

Written materials relating to an item on this agenda that are distributed to the legislative bodies within 72 hours before the item is to be considered at its regularly scheduled meeting will be made available for public inspection at the City Clerk's Office, 300 West Third Street 4th Floor during customary business hours. Agenda reports are also on the City of Oxnard web site at www.oxnard.org.



AGENDA
OXNARD CITY COUNCIL
PUBLIC WORKS AND TRANSPORTATION COMMITTEE
Council Chambers, 305 West Third Street
September 9, 2025
Regular Meeting - 6:45 PM to 8:15 PM

Zoom details to call-in for public comment during a meeting:

1. Dial Phone Number: (888) 475-4499
2. Enter Meeting ID: 837 1591 8326
3. Passcode: 010233

If you wish to speak during public comments or a particular item on the agenda, please sign-on by following the zoom call-in steps listed above. Once the presiding officer calls for public speakers, press *9 to raise your hand to inform the City Clerk you would like to speak during the public speaking section for that particular item on the agenda, while in the zoom waiting room. Press *6 when asked to unmute. Listen to the instructions provided virtually on the phone while on hold in the zoom waiting room. Please note that there is a slight time delay when viewing the meeting via television.

IN ACCORDANCE WITH ASSEMBLY BILL 2449, MEMBERS OF THE LEGISLATIVE BODY MAY MEET IN-PERSON OR REMOTELY. TO PARTICIPATE REMOTELY VISIT WWW.OXNARD.ORG.

To find out how you may provide public comment, please refer to the instructions below or at [www.https://www.oxnard.org/city-meetings/](https://www.oxnard.org/city-meetings/).

The public may view the meeting from home on Spectrum channel 10, Frontier channel 35, or YouTube at Youtube.com/oxnardnews. Video recordings of the meeting are typically available online following the meeting at the City's website at www.oxnard.org/city-meetings.

*Please see the link for the Measure M pre-recorded presentation video for each item listed on this agenda.

YOU MAY PARTICIPATE IN THE MEETING IN THE FOLLOWING WAYS:

1. ATTEND THE MEETING AT THE LOCATION LISTED ABOVE: Submit a speaker card to the City Clerk.
2. EMAIL COMMENTS OR SIGN UP TO SPEAK REMOTELY BEFORE THE MEETING
 - a. Submit a request to speak remotely by no later than 3 p.m. on the day of the meeting by using the form available at www.oxnard.org/citymeetings.
 - b. Submit an email to cityclerk@oxnard.org no later than 3 p.m. on the day of the meeting (indicate the agenda item number in the subject line). All email correspondence will be forwarded to the legislative body prior to the start of the meeting and made part of the legislative record.
 - c. Contact the City Clerk's Office at (805) 385-7803 to submit your request.

In compliance with the Americans with Disabilities Act, if you require special assistance to participate in a meeting, please contact the City Clerk's Office at 385-7803. Notice at least 72 hours prior to the meeting will enable the City to reasonably arrange for your accessibility to the meeting.

Agenda Item Time Estimates include: (Minutes for Presentation + Council Discussion + Public Comment)

3. PROVIDING PUBLIC COMMENTS REMOTELY DURING THE MEETING

- a. To provide public comment during the meeting dial (888) 475-4499 and enter the Meeting ID and Passcode listed above as the Zoom details for this meeting. When the presiding officer announces the particular item on the agenda you want to speak on, press *9 to raise your hand while in the zoom waiting room. Once called on, press *6 to unmute your phone.
- b. Public comments on agenda items will be taken following the announcement of the item. After the item is announced, members of the public may register or otherwise be recognized for the purpose of providing public comment.

Please review the Zoom instructions on the registration page to help ensure there are no technical difficulties during your comments and help you understand public comment procedures using Zoom. Detailed participation instructions can be found at www.oxnard.org/city-meetings.

In the event of a disruption which prevents a legislative body of the City of Oxnard from broadcasting a meeting using a call-in option or internet-based service option, or in the event of a disruption within the City's control which prevents members of the public from offering public comment using the call-in option or internet-based service option, the legislative body shall take no further action on items appearing on a meeting agenda until public access to the meeting via the call-in option or internet-based service option is restored. However, if any of the broadcast options are disrupted, but any of the other broadcast options is still available to the public, the legislative body may take further action on items appearing on a meeting agenda without waiting for the disrupted broadcast option(s) to be restored.

A. ROLL CALL, POSTING OF AGENDA, FLAG SALUTE

Consideration of Teleconference Participation pursuant to Assembly Bill 2449.

During this meeting, Vice Chair Teran will be participating remotely from the following location:
Hampton Inn Medford, 1122 Morrow Road, Medford, OR 97504

B. PUBLIC COMMENTS ON ITEMS NOT ON THE AGENDA AND NON-ACTION ITEMS

A person may address the legislative body only on matters not appearing on the agenda and within the subject matter jurisdiction of the legislative body, and on non-action items such as ceremonial items, report of city manager / executive director / secretary, and city council/ housing authority / successor agency / financing authority business / committee reports. Speaker requests shall be submitted as set forth on the first page of this agenda. Speakers are limited to three minutes. After 30 minutes, if all speakers have not had the opportunity to speak, the remaining speakers will be given an opportunity to speak prior to adjournment of the meeting. The legislative body cannot enter into a detailed discussion or take action on any items presented during public comments at this time. Such items may only be referred to the City Manager / Executive Director / Secretary for administrative action or scheduled on a subsequent agenda for discussion. Persons wishing to speak on public hearing items should do so at the time of the hearing.

C. CONSENT AGENDA

1. City Clerk Department

SUBJECT: Approval of Minutes.

RECOMMENDATION: That the Public Works and Transportation Committee approve the minutes of the July 8 and 22, 2025 regular meetings as presented.

Contact: Luly Lopez, (805) 385-7805

D. REPORTS

1. Public Works Department

SUBJECT: Multiple Agreements for On-Call Real Property Services and Right of Way Acquisition. (10 minutes)

RECOMMENDATION: That the Public Works and Transportation Committee recommend that the City Council approve and authorize the Mayor to execute the following Agreements, each with an initial term of one year from October 9, 2025 to October 8, 2026, with an option for four consecutive one-year period extensions ending October 8, 2030, for on-call Professional Real Property Services and Right of Way Acquisition:

1. Agreement 32600016 with Beacon Integrated Professional Resources, Inc. DBA Hamner, Jewell & Associates for a total amount not to exceed \$500,000;
2. Agreement 32600017 with Bender Rosenthal, Inc. for a total amount not to exceed \$500,000; and
3. Agreement 32600018 with Clark Land Resources, Inc. for a total amount not to exceed \$500,000.

Please click the following link to view the required Measure M pre-recorded presentation video:

<https://youtu.be/SUBv64OS10U>

Contact: Michael Wolfe, (805) 385-8055

2. Public Works Department

SUBJECT: Multiple Agreements for On-Call Landscape Architect Services. (10 minutes)

RECOMMENDATION: That the Public Works and Transportation Committee recommend that the City Council approve and authorize the Mayor to execute the following Agreements, each with an initial term of three years from October 8, 2025, to October 7, 2028, with an option for two consecutive one-year period extensions ending October 7, 2030, for on-call Professional Landscape Architect Services:

1. Agreement 32600006 with David Volz Design Landscape Architects, Inc. DBA David Volz Design for a total amount not to exceed \$750,000;
2. Agreement 32600007 with IDS Group, Inc. for a total amount not to exceed \$750,000;
3. Agreement 32600008 with Pacific Coast Land Design, Inc. for a total amount not to exceed \$750,000; and
4. Agreement 32600009 with RJM Design Group, Inc. for a total amount not to exceed \$750,000.

Please click the following link to view the required Measure M pre-recorded presentation video:

<https://youtu.be/WaVjQ2PNUz8>

Contact: Michael Wolfe, (805) 385-8055

3. Public Works Department

SUBJECT: FY 2025-26 Harbour Island Homeowners Association Donation to Waterways Maintenance Assessment District Zone 2 - Harbour Island (Agreement A-8597) and Budget Adjustment. (10 minutes)

RECOMMENDATION: That the Public Works and Transportation Committee recommend the City Council, acting as the legislative body of the Waterways Maintenance Assessment District, approve and authorize:

1. Acceptance of a \$17,400 donation from the Harbour Island Homeowners Association (HOA) to support landscape maintenance and on-call services within the Harbour Island linear park; and
2. Approval of Agreement A-8597, entered by and between the City of Oxnard and the Harbour Island Homeowners Association for the donation; and
3. Approval of associated budget appropriations within Waterways Maintenance Assessment District Zone 2 – Harbour Island Fund (120-40203801) to recognize the full amount of the donation revenue and to authorize expenditures up to the full amount of available funding consistent with the specific purposes outlined in the Agreement.

Please click the following link to view the required Measure M pre-recorded presentation video:

<https://youtu.be/7ki6L2HeNnE>

Contact: Michael Wolfe, (805) 385-8055

4. Public Works Department

SUBJECT: Purchase Orders with Gibbs International, Inc. and The Charles Machine Works, Inc. for Heavy Equipment for the Public Works Water Division. (10 minutes)

RECOMMENDATION: The Public Works and Transportation Committee recommends that the City Council approve and authorize the Purchasing Agent to execute two purchase orders for the following:

1. Gibbs International Inc. for a not-to-exceed value up to \$300,000.00 for the purchase of a 2026 HV607 SBA International Truck, 10-Ton Dump Truck (dump truck); and
2. The Charles Machine Works, Inc. for a not-to-exceed value up to \$700,000.00 for the purchase of a 2025 Kenworth T480 with a Ditch Witch Hydro Vacuum Truck/Excavator W8 Standard Package (vacuum truck).

Please click the following link to view the required Measure M pre-recorded presentation video:

<https://youtu.be/hx1wGtM7c0M>

Contact: Michael Wolfe, (805) 385-8055

5. Community Development Department

SUBJECT: Adopting the 2025 City of Oxnard Water System Design and Construction Standards and an Update to the 2002 City of Oxnard Standard Plates and Design Criteria. (10 minutes)

RECOMMENDATION: That the Public Works and Transportation Committee recommend that the City Council:

1. Adopt a resolution approving the 2025 Water System Design and Construction Standards and an update to the 2002 City of Oxnard Standard Plates and Design Criteria for public works construction; and
2. Delegating discretionary authority to the Public Works City Engineer to approve future revisions to the 2025 Water System Design and Construction Standards and 2002 City of Oxnard Standard Plates and Design Criteria; and
3. Authorizing the City Manager to take whatever actions are necessary and appropriate to carry out the purpose and intent of this resolution.

Please click the following link to view the required Measure M pre-recorded presentation video:

<https://youtu.be/w7zeGZJMfdk>

Contact: Michael Wolfe, Jeff Pengilley, (805) 385-8055, (805) 385-8208

E. ITEMS FOR FUTURE AGENDAS

F. ADJOURNMENT



**PUBLIC WORKS AND TRANSPORTATION COMMITTEE
AGENDA REPORT**

**CONSENT AGENDA
AGENDA ITEM NO. C.1**

DATE: September 9, 2025

TO: Public Works and Transportation Committee

FROM: Luly Lopez, City Clerk, (805) 385-7805, luly.lopez@oxnard.org

SUBJECT: Approval of Minutes.

RECOMMENDATION

That the Public Works and Transportation Committee approve the minutes of the July 8 and 22, 2025 regular meetings as presented.

BACKGROUND

Approval of minutes.

STRATEGIC PRIORITIES

This agenda item is a routine operational item or does not relate to the five strategic priorities adopted by City Council on March 16, 2021.

FINANCIAL IMPACT

There is no financial impact.

Prepared by: Luly Lopez, City Clerk

ATTACHMENTS

1. Minutes of Public Works and Transportation Committee for July 8 2025
2. Minutes of the Public Works and Transportation Committee for July 22 2025

MINUTES
OXNARD CITY COUNCIL
PUBLIC WORKS AND TRANSPORTATION COMMITTEE
Regular Meeting
July 8, 2025

Because there were no items requiring consideration on this date, there was no regular meeting.

LOURDES A. LÓPEZ
City Clerk

LUIS A. MC ARTHUR
Chair

MINUTES
OXNARD CITY COUNCIL
PUBLIC WORKS AND TRANSPORTATION COMMITTEE
Regular Meeting
July 22, 2025

A. ROLL CALL, POSTING OF AGENDA, FLAG SALUTE

At 6:49 p.m., Chair Luis A. Mc Arthur called to order the regular meeting of the Oxnard City Council Public Works and Transportation Committee in the City Hall Council Chambers at 305 West Third Street, Oxnard, California. The City Clerk called the roll and announced the posting of the agenda. Chair Luis A. Mc Arthur and Member Gabriela Basua were present. Member Gabe Teran participated remotely from Visalia Marriott at the Convention Center. Saluted the flag.

Staff members present were Alexander Nguyen, City Manager; Michelle McCarron, Assistant City Attorney; Michael Wolfe, Public Works Director; Tim Beaman, Assistant Public Works Director; Steve Howlett, Assistant Public Works Director; Brian Yanez, Assistant Public Works Director; Morgan Kessler, City Engineer; Eric Zetz, Environmental Resources Manager; Jose Arreola, Fleet Services Manager and Lourdes A. López, City Clerk.

Consideration of Teleconference Participation pursuant to Assembly Bill 2449.

B. PUBLIC COMMENTS ON ITEMS NOT ON THE AGENDA AND NON-ACTION ITEMS

Public comments were received from Ray Blattel (landscape maintenance districts).

C. CONSENT AGENDA

1. City Clerk Department

SUBJECT: Approval of Minutes.

RECOMMENDATION: That the Public Works and Transportation Committee approve the minutes of the June 24, and July 8, 2025.

No public comments were received.

It was moved by Member Basua, seconded by Member Teran, to approve the Information/Consent item as presented. VOTE: Basua, Teran and Mc Arthur voted in favor; the motion carried 3-0.

D. REPORTS

1. Public Works Department

SUBJECT: Agreement 32600022 with Parkhouse Tire Service, Inc. dba Parkhouse Tire, Inc. for Tire Retreading and Repair Services. (10 minutes)

RECOMMENDATION: That the Public Works and Transportation Committee recommend that the City Council approve and authorize the Mayor to execute an Agreement with Parkhouse Tire Service, Inc. dba Parkhouse Tire Inc. for a total amount not to exceed \$1,000,000 for an initial term of one year from September 4, 2025 to

September 3, 2026 with an option for four consecutive one-year period extensions ending September 3, 2030 to provide tire retread and repair services.

Assistant Public Works Director Yanez and Fleet Services Manager were available to answer the Committee's questions. No public comments were received.

It was moved by Member Basua, seconded by Member Teran, to approve the recommended action as presented. VOTE: Teran, Basua and Mc Arthur voted in favor; the motion carried 3-0.

2. Public Works Department

SUBJECT: Agreement 32600066 with Eurofins Eaton Analytical, LLC for Lab Testing Services. (10 minutes)

RECOMMENDATION: That the Public Works and Transportation Committee recommend that the City Council approve and authorize the Mayor to execute an Agreement with Eurofins Eaton Analytical, LLC for an initial term of one year from October 1, 2025, to September 30, 2026, with the option for four consecutive one-year period extensions ending September 30, 2030, for a total contract amount not to exceed \$2,325,000 for laboratory testing services for the Public Works Department.

Assistant Public Works Director Beaman presented and answered the Committee's questions. Discussion ensued among the Committee and staff. No public comments were received.

It was moved by Member Basua, seconded by Member Teran, to approve the recommended action as presented. VOTE: Basua, Mc Arthur and Teran voted in favor; the motion carried 3-0.

3. Public Works Department

SUBJECT: Agreement 32600021 with Joseph Garcia DBA Casamar Group LLC for On-Call Labor Compliance Services. (10 minutes)

RECOMMENDATION: That the Public Works and Transportation Committee recommend that the City Council approve and authorize the Mayor to execute an Agreement with Joseph Garcia DBA Casamar Group LLC for a total amount not to exceed \$1,000,000 with an initial term of one year from October 15, 2025, to October 14, 2026, with an option for four consecutive one-year period extensions ending October 14, 2030, for on-call labor compliance services.

The City Engineer was available to answer the Committee's questions. No public comments were received.

It was moved by Member Teran, seconded by Member Basua, to approve the recommended action as presented. VOTE: Mc Arthur, Teran and Basua voted in favor; the motion carried 3-0.

4. Public Works Department

SUBJECT: Agreement 32600043 with Arborpro Inc. for Urban Forestry Services. (10 minutes)

RECOMMENDATION: That the Public Works and Transportation Committee recommend that the City Council approve and authorize the Mayor to execute an Agreement with Arborpro Inc. for a total amount not to exceed \$363,186 with an initial term of two years from September 3, 2025 to September 2, 2027, with the option for one consecutive one-year period extension ending September 2, 2028, for Urban Forestry Services.

Assistant Public Works Director Howlett presented and answered the Committee's questions. Discussion ensued among the Committee and staff. No public comments were received.

It was moved by Chair Mc Arthur, seconded by Member Basua, to approve the recommended action as presented. VOTE: Teran, Basua and Mc Arthur voted in favor; the motion carried 3-0.

5. Public Works Department

SUBJECT: Information Technology Software Agreement 32600028 with Paradigm Software for Software for Scale House Operations for the Environmental Resources Division. (10 minutes)

RECOMMENDATION: That the Public Works and Transportation Committee recommend that the City Council approve and authorize the Mayor to execute an Information Technology Software Agreement with Paradigm Software for a total amount not to exceed \$504,325.98 for a term of five years ending September 30, 2030.

Environmental Resources Manager was available to answer the Committee's questions. No public comments were received.

It was moved by Member Basua, seconded by Member Teran, to approve the recommended action as presented. VOTE: Basua, Mc Arthur and Teran voted in favor; the motion carried 3-0.

E. ITEMS FOR FUTURE AGENDAS

No requests were made.

F. ADJOURNMENT

There being no further business on the agenda, and without objection, Chair Mc Arthur adjourned the meeting at 7:10 p.m.

LOURDES A. LÓPEZ
City Clerk

LUIS A. MC ARTHUR
Chair



PUBLIC WORKS AND TRANSPORTATION COMMITTEE AGENDA REPORT

REPORTS AGENDA ITEM NO. D.1

DATE: September 9, 2025

TO: Public Works and Transportation Committee

FROM: Michael Wolfe, Public Works Director, (805) 385-8055, michael.wolfe@oxnard.org

SUBJECT: Multiple Agreements for On-Call Real Property Services and Right of Way Acquisition. (10 minutes)

RECOMMENDATION

That the Public Works and Transportation Committee recommend that the City Council approve and authorize the Mayor to execute the following Agreements, each with an initial term of one year from October 9, 2025 to October 8, 2026, with an option for four consecutive one-year period extensions ending October 8, 2030, for on-call Professional Real Property Services and Right of Way Acquisition:

1. Agreement 32600016 with Beacon Integrated Professional Resources, Inc. DBA Hamner, Jewell & Associates for a total amount not to exceed \$500,000;
2. Agreement 32600017 with Bender Rosenthal, Inc. for a total amount not to exceed \$500,000; and
3. Agreement 32600018 with Clark Land Resources, Inc. for a total amount not to exceed \$500,000.

Please click the following link to view the required Measure M pre-recorded presentation video:

<https://youtu.be/SUBv64OS10U>

BACKGROUND

The Public Works Department (PW) utilizes professional consulting firms to provide licensed and/or technical expertise in various disciplines that support the development and implementation of the Capital Improvement Program (CIP) as well as other non-CIP projects. Utilization of these specialized contractors is necessary to provide services that supplement the skills, experience, and sometimes peak workload times of City staff. It is in the City's interest to have a pool of these professional service contractors available on-call for a range of technical disciplines so that services can be procured, and needed work can proceed, in fairly short order.

Pre-approved on-call professional service agreements reduce the amount of time necessary to procure service contractors and thus facilitate the timely completion of certain categories of CIP and other projects. The specific services covered under this request include, but are not limited to, performing preliminary property investigations, obtaining and reviewing preliminary title reports, obtaining and reviewing real property appraisals, and right-of-way consulting services.

There were two previous Real Property Services and Right of Way Acquisition on-call professional service agreements, and these two agreements expired on March 1, 2025, after their three-year contractual term. The total value of these agreements was \$500,000 each; of this amount, approximately \$255,230 of work was ordered as tasks across their three-year contractual terms.

DISCUSSION

On April 3, 2025, the Purchasing Division issued a Request for Proposal (RFP) 25-117 for On-Call Real Property Services and Right of Way Acquisition. Outreach efforts included direct notifications to three potential vendors, publication on www.PublicPurchase.com, and posting on the City's Purchasing website. The deadline for proposal submissions was May 13, 2025, and the City received a total of three proposals from the following vendors:

Clark Land Resources, Inc.	Bender Rosenthal, Inc.	Beacon Integrated Professional Resources, Inc. dba Hamner, Jewell & Associates
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A rating and selection process of the proposals was then performed by a panel that consisted of the Engineering Division Manager, a Senior Construction Project Manager, and a Construction Project Manager. Scoring criteria consisted of company profile, qualifications of proposed staff, relevant professional experience and performance, and overall responsiveness that best met the RFP criteria while being consistent with the City's municipal code. After a thorough review, the panel selected three firms to recommend for Agreement awards, with a determination that these vendors are the highest-ranked and qualified proposers based on the scoring criteria listed in the RFP and are consistent with the City's Purchasing Policy.

Following further review by the Purchasing Division, it was determined that these vendors meet all required City contractual requirements, including possession of a City business tax certificate, insurance certificates, and corporate filing with the California Secretary of State. Therefore, based upon the analysis and research performed to date, staff believes that the three recommended vendors are capable of successfully performing On-Call Professional Services to the City of Oxnard.

Services under these agreements will be acquired on an as-needed basis with individual task orders issued for each identified work requirement (task). These will be issued and managed by the Project Manager (PM) assigned to the project. Once a new requirement is identified, all contractors will be provided the Task Order requirement on which to provide a proposal, if they so choose. The contractors will then submit their respective proposals, which will include a description of the scope of work to be performed, the method by which the consultant plans on completing the work, and a cost and schedule for completion. It is the consultant's responsibility to determine the best and most cost-effective method to complete the work. Once the City has received all proposals, it will review each and make a selection of the firm based on factors that include price, experience, methods, and schedule.

STRATEGIC PRIORITIES

This agenda item supports the Infrastructure and Natural Resources strategy. The purpose of the Infrastructure and Natural Resources strategy is to preserve and improve our roads, utilities, parks, trees, water supply and natural resources through effective planning, prioritization, and an equitable and efficient use of available funding.

FINANCIAL IMPACT

The total cost for each agreement shall not exceed \$500,000 during the five-year term if all extension options are exercised. Funding for individual tasks will be sourced from projects identified in the City Council-approved CIP or, on rare occasions, for City Divisions with non-CIP project requirements (e.g. Facilities Maintenance division). The respective Project Manager will ensure sufficient funding is available in the approved budget for related tasks prior to initiating work orders or services performed. Subsequent fiscal year allocations will be requested during the annual budget process.

Prepared by: Morgan Kessler, City Engineer

ATTACHMENTS

1. Agreement 32600016
2. Agreement 32600017
3. Agreement 32600018
4. Prior Agreement Rate and Exhibits
5. Presentation

**ON-CALL PROFESSIONAL SERVICES AGREEMENT
BETWEEN
THE CITY OF OXNARD AND BEACON INTEGRATED PROFESSIONAL RESOURCES,
INC. DBA HAMNER, JEWELL & ASSOCIATES**

By This On-Call Professional Services Agreement ("Agreement"), the City of Oxnard ("City") agrees to engage the Services of Beacon Integrated Professional Resources, Inc. DBA Hamner, Jewell & Associates ("Consultant"), and Consultant agrees to perform the Services for City as herein described, for the compensation, during the term, and otherwise subject to the covenants and conditions herein set forth. City and Consultant may be individually referred to as "Party" or collectively as the "Parties."

1. [INTENTIONALLY OMMITED].

2. SUMMARY DESCRIPTION OF SERVICES.

Professional Service Consultant (Consultant) shall provide governmental real estate services, including but not limited to, property investigations and obtaining preliminary title reports; initial contacts with property owners; preparation and processing of easement, right-of-way, and sale agreements; obtaining real property appraisals; relocation services; property disposition; and such other services as may be required by the City of Oxnard (City). The Consultant shall provide services for various projects which include, but not be limited to, public buildings, housing, public work infrastructure and such other facilities as may be required.

The Services to be performed pursuant to this agreement will be limited to the particular professional services that are identified in the Scope of Services, attached hereto as Exhibit A. Consultant has been prequalified to perform the particular services required by the City and the City shall issue Task Orders describing the particular project or services required by the City to the prequalified consultants and consultants shall submit a responsive proposal to the City's Project Manager.

Consultant is not be the exclusive provider of services to the City. The City does not guarantee a specified amount of work under this on-call agreement.

3. PARTIES.

City of Oxnard, a general law and municipal corporation of the State of California, located at 300 West Third Street, Oxnard California 93030.

Beacon Integrated Professional Resources, Inc. DBA Hamner, Jewell & Associates, a corporation of the State of California, located at 3183 Duncan Road, Suite E, San Luis Obispo, CA 93401.

4. TERM OF AGREEMENT: From: October 9, 2025 To: October 8, 2026

- A. Time is of the essence in this Agreement
- B. The City shall have the option to exercise (4) consecutive (1) one-year term extensions, in accordance with the scope of work and terms and conditions of this Agreement. Any price negotiations, if allowed, shall be negotiated at the time of contract extension.
- C. This Agreement shall not exceed a total of five (5) years (including the initial term and any options to extend). The City in its sole discretion may exercise the option terms upon sixty (60) days written notice to the Consultant (or any other time if the parties so agree) in accordance with Section 12 of this Agreement. The option term shall be commenced by an amendment to this agreement.
- D. All Services required of Consultant under this Agreement shall be completed on or before the end of the term of the Agreement.

5. AGREEMENT AMOUNT NOT TO EXCEED: \$500,000.00 ¹

6. AGREEMENT EXHIBITS. The following documents memorialized below are the only exhibits to this Agreement and are incorporated by reference as though fully set forth herein. In the event of a conflict between the Exhibits and this Agreement, the Agreement controls.

- Exhibit A: Scope of Services and Task Order Template
- Exhibit B: Schedule of Compensation
- Exhibit C: Insurance Requirements: City Insurance Exhibit INS-A
- Exhibit D: Living Wage Policy
- Exhibit E: Prevailing Wage Policy

7. DESIGNATED REPRESENTATIVES. The Designated Representatives listed below shall be authorized to act on behalf of the named Party, be responsible for negotiations and contractual matters, and coordinate with each other to perform the Services under

¹ This is not a guaranteed dollar amount. No services or work performed pursuant to a Task Order shall exceed the "Not to Exceed" Amount of the Contract or the agreed upon amount stated in the Task Order.

this Agreement. Additionally, Consultant's Services shall be performed or immediately supervised by the Consultant's Representative:

City Designated Representative Name: KJ May Title: Construction Project Manager Senior Phone: 805-393-3871 Email: kuo.may@oxnard.org Address: 305 West Third Street, East Wing, Second Floor, Oxnard, CA 93030	Consultant Designated Representative Name: J.T. Katavich, RWA Title: Senior Associate Phone: 805-773-1459 Email: jtkatavich@hamner-jewell.com Address: 3183 Duncan Road, Suite E, San Luis Obispo, CA 93401
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8. CONTRACTUAL PREREQUISITIES. This Agreement must first be executed by the Consultant, after which the Agreement shall be approved as to form by the City Attorney, then executed by the Mayor, or an authorized person on behalf of the City, and if executed by the Mayor shall also be executed by the City Clerk.

- A. Consultant is advised that any recommendation for Agreement award is not binding on City until the Agreement is fully executed and approved by the City.
- B. All proof of a City tax certificate, insurance, and W-9 forms is required prior to execution of this Agreement.
- C. Consultant shall not perform any work under this Agreement until a proof of insurance has been provided to the City as required under Section 24 of this Agreement.

9. CONSULTANT'S SERVICES.

- A. Consultant shall perform only the type or category of services as set forth in the "Scope of Services," and pursuant to the information contained in the Task Orders issued pursuant to this agreement.
- B. Task Orders may only be modified in writing by the City's Project Manager or Designated Representative.
- C. The Services issued pursuant to a Task Order shall be coordinated with the designated City Project Manager set forth in Exhibit A and are subject to the direction of the City Manager or Department Director. Consultant hereby designates as its Project Manager, the individual identified in Section 7 of this Agreement, as the person responsible for the Services who shall coordinate with City's Project Manager in executing the Scope of Services and Task Order(s) under this Agreement.

- D. Under no circumstances shall the Consultant exceed the amount stated in the City's Task Order or perform additional work or services that are not included in the Task Order

10. COMPENSATION. City shall pay Consultant for the Services performed pursuant to the terms of this Agreement and based on the hourly rates and fees set forth in the "Schedule of Compensation," attached to and incorporated into this Agreement as "Exhibit B." Consultant's compensation shall not to exceed amount stated in the Task Order. Under no circumstances shall the Consultant perform work in excess of the amount stated in the Task Order or the not to exceed amount listed in Section 5 of this Agreement. Once this Agreement is executed, the Schedule of Compensation may only be modified by written Amendment pursuant to Section 13 of this Agreement, and may be subject to approval by the City Council.

- A. The maximum not to exceed amount for any individual Task Order issued pursuant to this Agreement shall be \$100,000.00 per Task Order or \$200,000, if the Task Order is associated with an identified and approved Capitol Improvement Project.
- B. Annual Rate and Fees adjustments must be requested in writing and shall not exceed 3% and are subject to approval by the City. Annual adjustments shall apply to Task Orders issued after the adjustment is approved and not retroactively to in progress Task Orders.

11. PAYMENT and INVOICES. The City shall pay all undisputed portions of any applicable invoice within thirty (30) days after receipt of an invoice. In the event the City disputes one or more items in an invoice, the City shall, within thirty (30) days after receipt of such invoice, notify the Consultant of the item(s) being disputed and the reason(s) therefore. The City may withhold payment for such disputed items until resolution of the dispute.

- A. Payment Request. Consultant shall submit a payment request to CITY by the end of each calendar month listing the Services provided, costs of those Services, and total amount due for the month. Invoices may be emailed to: pwinvoices@oxnard.org.
- B. Consultant's acceptance of final payment made pursuant to this Agreement shall constitute a release of City from all claims and liabilities for compensation to Consultant for anything completed, finished or relating to the Services. City's payment shall not constitute nor be deemed a release of the responsibility and liability of Consultant for the accuracy and competency of the information provided and/or the Services performed hereunder, nor shall such payment be deemed to be an assumption of responsibility or

liability by City for any defect or error in the Services performed by Consultant and its employees, agents and subcontracted Consultants.

- C. Consultant shall provide City with a completed Request for Taxpayer Identification Number and Certification, as issued by the Internal Revenue Service. If any sales tax is due for the Services performed by Consultant or materials or products provided to City by Consultant, Consultant shall pay the sales tax. City shall not reimburse Consultant for sales taxes paid by Consultant.
- D. **Non-Appropriation of Funds.** Payments to be made to Consultant by City for the Services performed within the current fiscal year are within the current fiscal budget and within an available, unexhausted and unencumbered appropriation of City. In the event City does not appropriate sufficient funds for payment of the Services beyond the current fiscal year, this Agreement shall cover payment for the Services only up to the conclusion of the last fiscal year in which City appropriated sufficient funds and shall automatically terminate at that fiscal year's conclusion.

12. OPTION TO EXTEND AGREEMENT. When in the City's best interest, this Agreement may only be extended, if the City, in its discretion, exercises an option term in accordance with Section 4 subparagraphs (B) and (C) of this Agreement. The initial term, plus any option to extend shall not exceed a total of five (5) years. **If no option to extend the Agreement appears in section 4(B), then this Agreement shall not be extended.**

13. MODIFICATION OF AGREEMENT. This Agreement may be amended, modified, or otherwise altered, or its provisions waived, only upon mutual consent of the Parties by written amendment. The City may request that the Consultant perform Extra Services. As used herein, "Extra Services" means any services, which are determined by the City to be necessary for the proper completion of the project, but which the Parties did not reasonably anticipate would be necessary at the execution of this Agreement or any Task Order issued under this Agreement. A written amendment signed by both Parties shall be required to authorize performance of and payment for Extra Services under this Agreement or Task Order.

14. TERMINATION OF AGREEMENT. City may terminate this Agreement at any time, with or without cause and without penalty, upon fifteen (15) calendar days' prior written notice pursuant to Section 22 of this Agreement. Such termination shall be effective on the date specified in the notice, or if no date is specified, then fifteen (15) calendar days from the date of the notice. City shall be liable to Consultant only for work done by Consultant up to and including the date of termination of this Agreement unless the termination is for cause, in which event Consultant need be compensated only to the extent required by

law. Consultant may terminate this Agreement at any time during the term of the Agreement by giving the City sixty (60) calendar days' prior written notice.

15. [RESERVED].

16. INDEPENDENT CONTRACTOR. Consultant is and shall at all times remain, as to City, a wholly independent contractor. Neither City nor any of its employees or agents shall have control over the conduct of Consultant or any of its employees, except as stated in this Agreement. Consultant has and shall retain the right to exercise full control over the employment, direction, means of performance, location, compensation and discharge of all persons assisting Consultant. This Agreement shall not be interpreted to prevent or preclude Consultant from rendering any Services for Consultant's own account or to any other person or entity as Consultant in its sole discretion shall determine; provided, however, that performing such Services shall not materially interfere with the Services the Consultant shall perform for the City. The City retains the right to provide general instructions to and observe the Consultant in the performance of all Services done on behalf of the City.

Consultant and its employees, subconsultants, and agents have no authority, express or implied, to act on behalf of City in any capacity, to incur any debt, obligation or liability on behalf of City, bind City in any manner, or otherwise act on behalf of City as an agent. Consultant and its employees are not employees of City. Consultant and its employees are not entitled to receive from City any of the benefits or rights afforded employees of City, including but not limited to reserve leave, sick leave, vacation leave, holiday leave, compensatory leave, Public Employees Retirement System benefits, and health, life, dental, long-term disability and workers' compensation insurance benefits. Consultant shall not, at any time or in any manner, represent that it or any of its agents, subconsultants, or employees are in any manner agents, subconsultants, or employees of City.

17. LAWFUL PERFORMANCE. Consultant shall abide by all federal, state, and local laws and regulations as may be related to the performance of duties under this Agreement. Consultant, at its sole expense, shall obtain and maintain during the term of this Agreement, all appropriate permits, licenses, and certificates that may be required in connection with the performance of Services under this Agreement.

18. SAFETY REQUIREMENTS. Consultant shall not perform any Services for the City when the Consultant is impaired by alcohol or a controlled substance. When there is reasonable cause to believe that any person has violated this provision, that person shall be immediately removed from the premises and be subject to any applicable civil and/or

criminal penalties under the City's Code and/or under state law. All work performed under this Agreement shall be performed in such a manner as to provide safety to the public. The City reserves the right to issue restraining or cease and desist orders to Consultant when unsafe or harmful acts are observed or reported relative to the performance of the work under this Agreement. The acceptance of Consultant 's work by City shall not operate as a release of the Consultant from such standard of care and workmanship.

19. STANDARD OF PERFORMANCE; WARRANTY. Consultant agrees to perform all Services required by this Agreement in a professional and competent manner, in accordance with the degree of skill and diligence which is normally employed by reputable professionals performing similar Services under similar conditions in the same or similar locality. Such Services shall also be performed in a manner which is reasonably satisfactory to City Project Manager, or designee (hereinafter the "Project Manager"), provided that discretion in determining what is satisfactory shall not alter the foregoing standard of care.

- A. In accordance with the standard of care set forth in the first sentence of Section 19, the Consultant agrees that it:
 - (1) Has thoroughly reviewed and considered the services and work to be performed; and
 - (2) Has reviewed the issues regarding the Scope of Services and Task Orders to be provided; and
 - (3) Has carefully considered how the services and related work should be performed; and
 - (4) Fully understands the facilities, difficulties and restrictions associated with performance of the services required by this Agreement.

20. OWNERSHIP OF CONSULTANT'S WORK PRODUCT, CONFIDENTIALITY & DISCLOSURE, RECORDS & WARRANTY. City shall be the owner of any and all technical documents and records, including, computations, plans, correspondence, and/or other pertinent data and information, both hard copy and electronic, gathered or prepared by Consultant in performance of this Agreement and shall be entitled to immediate possession of the same upon completion of the work under this Agreement, or at any earlier or later time when the same may be requested by City.

- A. Ownership of Documents. Every report, draft, work product, map, record, and other document reproduced, prepared, or caused to be prepared by the Consultant pursuant to or in connection with this Agreement shall be the exclusive property of the City.

- B. Deliverables. Consultant shall deliver to the City the studies, plans, specifications, or other documents as are identified in the Scope of Services or Task Order; and Consultant shall, upon completion of all work or termination of this Agreement, submit to the City all information developed in the course of the Consultant 's services. Consultant shall, in such time and in such form as the City may require, furnish reports concerning the status of Services required under this Agreement. Consultant shall, upon request by City and upon completion or termination of this Agreement, deliver to the City all material furnished to Consultant by the City.
- C. Records and Inspections. The Consultant shall maintain full and accurate records, with respect to all Services and matters covered under this Agreement. Books and records pertaining to costs shall be kept and prepared in accordance with generally accepted accounting principles. The City shall have free access at all reasonable times to such records, both hard copy and electronic, and the right to examine and audit the same and to make transcripts therefrom, and to inspect all program data, documents, proceedings, and activities.
- D. Confidentiality. Information that is exempt from disclosure to the public is confidential. This includes information relating to the past, present, or future affairs of the City or information belonging to a third party whose information is in the City's possession or control under obligations of confidentiality. Consultant may be granted access to information that is exempt from disclosure to the public (Government Code Section 7920.505) and may contain "trade secrets" (see Government Code Section 7924.510(f)) when it is necessary for Consultant to perform its obligations pursuant to this Agreement. If Consultant is granted such access to confidential information, Consultant shall not be considered to be a member of the public as that term is used in Government Code Section 7920.515.
- E. Disclosure of Information. Consultant shall not disclose, publish, or authorize others to disclose or publish, design data, drawings, specifications, reports, or other information pertaining to the projects assigned to Consultant by the City or other information to which the Consultant has had access during the term of this Agreement without the prior written approval of the City's Designated Representative during the term of this Agreement and for a period of two (2) years after the termination of this Agreement.
- F. No Warranty. Other than an obligation upon the City to deal in good faith, the City makes no warranties and shall bear no liability or responsibility for errors or omissions in any Confidential Information disclosed under this Agreement or for any business decisions made by Consultant in reliance on any Confidential Information disclosed under this Agreement.

21. NOTICE OF BREACH AND OPPORTUNITY TO CURE. Neither Party will be in breach of this Agreement where the breach is capable of being cured, or until written notice of the breach is received from the non-breaching Party. The Party charged with breach will have fifteen (15) calendar days from the date of receiving such notice in which to cure the breach or otherwise respond. If the circumstances leading to the charge that the Agreement was breached have not been cured or explained to the satisfaction of the other Party within fifteen (15) days from the date on which the breaching Party received notice of breach, the non-breaching Party may terminate this Agreement. Notice shall be given in the manner set forth in section 22.

22. NOTICE. All notices given or required to be given pursuant to this Agreement shall be in writing and may be given by personal delivery or by first-class mail. Notice sent by mail shall be addressed to each Party's Designated Representative as set forth above in Section 7. When addressed in accordance with this Section, such notice shall be deemed given upon deposit in the United States mail, postage prepaid. In all other instances, notices shall be deemed given at the time of actual delivery. Changes may be made in the names or addresses of persons to whom notices are to be given by giving notice in the manner prescribed in this Section.

23. INDEMNIFICATION, HOLD HARMLESS & DEFENSE. Except as set forth in Subsection A of this Section 23, and to the fullest extent permitted by law, Consultant shall immediately defend, indemnify, and hold harmless the City, its officers, employees, representatives, and agents (the "City Indemnitees"), from and against those actions, suits, proceedings, claims, demands, losses, costs, and expenses, including legal costs and reasonable attorneys' fees, for any personal injuries, deaths, or property damage, including property owned by the City (collectively "Claims") which may arise out of Consultant's negligence or willful misconduct in the performance of the services described in this Agreement, unless such Claims are proven to be caused by the negligence or willful misconduct of the City Indemnitees.

A. The provisions of this Subsection apply only in the event that Consultant is a design professional within the meaning of California Civil Code section 2782.8 ("Design Professional"). The term Design Professional, as defined in said section, is limited to licensed architects, licensed landscape architects, registered professional engineers, professional land surveyors, and the business entities that offer such services in accordance with the applicable provisions of the California Business and Professions Code.

(1) Notwithstanding the provisions of Section 23 above, to the extent that the services to be provided under this Agreement are those of a Design Professional, Consultant's duty to indemnify, hold harmless, and defend the City Indemnitees shall be limited to the extent that any Claims arise out of,

pertain to, or relate to the negligence, recklessness, or willful misconduct of the Consultant, its officers, agents, employees or subconsultants in the performance of the services described in this Agreement.

(2) In no event shall the costs of defense charged to Consultant exceed the Consultant's proportionate percentage of fault, except as otherwise set forth in said Civil Code section 2782.8, the provisions of which are incorporated into this Agreement by this reference. Nothing in this Subsection b shall be construed to require Consultant to provide indemnification for Claims caused by the active negligence or willful misconduct of the City Indemnitees

- B. The City does not and shall not waive any rights that it may have against Consultant under this Section, because of the acceptance by the City, or the deposit with the City, of any insurance policy or certificate required pursuant to this Agreement. The hold harmless and indemnification provisions of this Section 23 shall apply regardless of whether said insurance policies are determined to be applicable to the claim, demand, damage, liability, loss, cost, or expense described herein.
- C. The obligation to indemnify and defend, as set forth in this Section 23, is binding on the successors, assigns, or heirs of Consultant and shall survive the expiration or any early termination of this Agreement.

24. INSURANCE. Consultant shall obtain and maintain during the performance of any Services under this Agreement the insurance coverages listed within "Exhibit C", which is attached hereto and incorporated herein by this reference, unless the Risk Manager waives, in writing, the requirement that Consultant obtain and maintain such insurance coverages. Such insurance must be issued by a company satisfactory to the Risk Manager. Consultant shall, before performance of any Services pursuant to this Agreement, file with the Risk Manager evidence of insurance coverage as specified in "Exhibit C". Maintenance of insurance coverages by Consultant is a material element of this Agreement. Consultant's failure to maintain or renew insurance coverages or to provide renewal evidence shall be considered a material breach of this Agreement.

25. LIVING WAGE REQUIREMENTS. During the term of this Agreement, Consultant understands and agrees that if Living Wages are applicable, subject to the 2002 Oxnard City Council Living Wage Policy, attached as "Exhibit D" to this Agreement, Consultant will pay and/or provide the wages and/or benefits required therein to all of its employees engaged in whole or in part in performing the Services provided for by this Agreement. The Living Wage is updated on July 1 of each year, and the duty to pay the correct wage is the responsibility of the Consultant.

26. PREVAILING WAGE REQUIREMENTS. The payment of State prevailing wages as designated for Ventura County shall apply to public works projects. However, this section shall not apply to work performed on a public works project of twenty-five thousand dollars (\$25,000) or less when the project is for construction, alteration, demolition, installation, or repair work; or to work performed on a public works project of fifteen thousand dollars (\$15,000) or less when the project is for maintenance work. Prevailing wages are required to be paid to all workers, including subcontracted employees. For further information regarding Prevailing Wage Requirements please refer to “Exhibit E” attached to this Agreement.

- A. To determine if this Agreement is subject to compliance monitoring and enforcement, go to:
<https://www.dir.ca.gov/Public-Works/PublicWorksSB854FAQ.html>
- B. It is unlawful to split, or separate into small portions, work orders, projects, purchases, or public works projects for the purpose of evading these prevailing wage requirements.
- C. In the event that there is a difference between the amount of wages to be paid under the City of Oxnard’s local Living Wage requirements and the requirements of this provision, the wage rate that is the higher of the two shall be applicable to this Agreement. The duty to pay the correct wage is the responsibility of the Consultant.

27. [RESERVED].

28. SUBCONTRACTING. If Consultant requires the assistance of a subcontractor to render any Services under this Agreement, Consultant shall obtain prior written consent from the City before a subcontractor performs any service pursuant to this Agreement. All subcontractors shall be identified in the Scope of Work or Task Order attached to this Agreement as “Exhibit A”. Consultant is fully responsible for satisfactory completion of all its subcontractors’ work. All subcontractors shall be properly licensed and insured; and bonded, if applicable. Consultant shall be responsible for all liabilities regardless of nature, type, or cause, arising out of or resulting from or in connection with subcontractors performance pursuant to this Agreement or subcontractors failure to comply with any of its obligations in connection with this Agreement.

29. CONFLICT OF INTEREST. Consultant covenants that it does not have any interest, nor shall it acquire any interest, directly or indirectly, which would conflict in any manner with the performance of Consultant’s Services under this Agreement. Consultant further covenants that in the performance of Services under this Agreement, no officer, employee or agent of Consultant having such interest shall be employed by it. In the event the City determines that Consultant must disclose its financial interests by

completing and filing a Fair Political Practices Commission Form 700, Statement of Economic Interests, Consultant shall file such Form 700 with the City Clerk's Office pursuant to the written instructions provided by the City Clerk. Acquisition or maintenance of a conflicting interest by Consultant may result in termination of this Agreement by the City.

30. DISPUTES. Except as otherwise provided in these provisions, any dispute concerning a question of fact arising under this Agreement, shall be decided by the City's Designated Representative, who shall reduce this decision to writing and mail a copy to the Consultant. The decision of the City's Designated Representative shall be final and conclusive unless Consultant requests mediation within ten (10) calendar days. Pending final decision of a dispute, the Consultant shall proceed diligently with the performance of the Agreement and in accordance with the decision of the City's Designated Representative.

31. DISPUTE RESOLUTION. Should an unresolved dispute arise out of this Agreement, any Party may request that it be submitted to mediation. The Parties shall meet in mediation within a reasonable time not to exceed forty five (45) days of a request. The mediator shall be agreed to by the mediating Parties. In the absence of an Agreement on a mediator, the Parties shall each submit one name from mediators listed by the American Arbitration Association, the California State Board of Mediation and Conciliation, or other agreed-upon service. The mediator shall be selected by a "blindfold" process. The cost of mediation shall be borne equally by both Parties. Neither Party shall be deemed the prevailing Party. No Party shall be permitted to file a legal action without first meeting in mediation and making a good faith attempt to reach a mediated settlement. The mediation process, once commenced by a meeting with the mediator, shall last until Agreement is reached by the Parties but not more than sixty (60) calendar days, unless the maximum time is extended in writing by both Parties.

32. ASSIGNMENT. This Agreement is for the professional Services of Consultant. Any attempt by Consultant to assign the benefits or burdens of this Agreement without the prior written approval of City shall be prohibited and shall be null and void. Consultant's Services pursuant to this Agreement shall be provided by the Consultant's Designated Representative or directly under his/her supervision, and Consultant shall not assign another to supervise the Consultant's performance of this Agreement without the prior written approval of City, by and through the City's Designated Representative.

33. CARE OF WORK. Should Consultant discover any latent or unknown conditions materially differing from those inherent in the Services or as represented by the City, Consultant shall immediately inform the City of such fact and shall not provide any

Services, except at Consultant's risk, until written instructions are received from the Project Manager.

- 34. REPORTS.** Upon request by the Project Manager or as otherwise required by this Agreement, including but not limited to, the Scope of Services or Task Orders set forth in "Exhibit A", Consultant shall prepare and submit reports to the City concerning Consultant's performance of the Services required by this Agreement.
- 35. AUDIT.** City shall have the option of inspecting, auditing and/or reproducing all records and other written materials used by Consultant in preparing its billings to City as a condition precedent to any payment to Consultant, or for other purposes relating to the Agreement. Consultant will promptly furnish all documents requested by City. Additionally, if this Agreement is in excess of \$10,000, the State Auditor may examine and audit Consultant for a period of 3 years after final payment under the Agreement. Regardless of whether a State audit is permitted, Consultant shall maintain and preserve all such records for a period of at least 3 years after final payment under the Agreement or until an audit has been completed and accepted by City, whichever occurs later. Consultant shall maintain all such records in City or to promptly reimburse City for all reasonable costs incurred in conducting the audit at a location other than in City, including but not limited to expenses for personnel, salaries, private auditor, travel, lodging, meals and overhead. Consultant shall include a copy of this Section in all contracts with its subcontractors, and Consultant shall be responsible for immediately obtaining those records or other written material from its subcontractors upon a request by the State Auditor and/or City.
- 36. ADVERTISING AND PUBLICITY.** Consultant shall not use the name of or refer to City directly or indirectly in any advertisement, news release, or professional or trade publication without prior written approval from the City Manager. This Section shall survive the termination of this Agreement.
- 37. NONDISCRIMINATORY EMPLOYMENT.** Consultant shall not unlawfully discriminate against any individual based on race, color, religion or religious creed, national origin, ancestry, ethnic group identification, primary language, physical disability, mental disability, medical condition, genetic information, marital status, gender, gender identity, gender expression, sex, sexual orientation, age, immigration status, citizenship or military and veteran status. Consultant understands and agrees that it is bound by and will comply with all legal nondiscrimination mandates. For every subcontractor who will perform Services, Consultant shall be responsible for such subcontractor's compliance with this Section.

- 38. COVENANTS AND CONDITIONS.** Each term and each provision of this Agreement to be performed by Consultant shall be construed to be both a covenant and a condition.
- 39. WAIVER.** City's review or acceptance of, or payment for, work product prepared by Consultant under this Agreement will not be construed to operate as a waiver of any rights City may have under this Agreement or of any cause of action arising from Consultant's performance. A waiver by City of any breach of any term, covenant, or condition contained in this Agreement will not be deemed to be a waiver of any subsequent breach of the same or any other term, covenant, or condition contained in this Agreement, whether of the same or different character.
- 40. FORCE MAJEURE.** Neither the Consultant nor the City shall be responsible for any delay caused by any contingency beyond their control, including, but not limited to, war or insurrection, walkouts by the Party's own employees, fires, natural calamities, riots, or demands or requirements of governmental agencies other than the City.
- 41. GOVERNING LAW.** The terms of this Agreement shall be interpreted according to the laws of the State of California. Should litigation occur, venue shall be in the Superior Court of California, County of Ventura.
- 42. SEVERABILITY.** If any portion of this Agreement is declared by a court of competent jurisdiction to be invalid or unenforceable, then such portion will be deemed modified to the extent necessary in the opinion of the court to render such portion enforceable and, as so modified, such portion and the balance of this Agreement will continue in full force and effect and be enforceable.
- 43. INTEGRATED AGREEMENT.** This Agreement and the attached exhibits referenced herein to this Agreement represent the entire understanding between the Parties. No verbal Agreement or implied covenant shall be held to vary the provisions of this Agreement. This Agreement shall bind and inure to the benefit of the Parties to this Agreement and any subsequent successors and assigns.
- 44. NO THIRD-PARTY BENEFICIARY.** This Agreement shall not be construed to be an Agreement for the benefit of any third-party or parties, and no third party or parties shall have any claim or right of action under this Agreement.
- 45. AUTHORITY TO EXECUTE.** Each Party hereto expressly warrants and represents that the signatories to this Agreement have the authority to execute this Agreement on behalf of its corporation, partnership, business entity, or governmental entity, and warrants and

represents that the signatories have the authority to bind each Party to the performance of its obligations hereunder.

46. EXECUTION – COUNTERPARTS. This Agreement may be executed in any number of counterparts and each such duplicate counterpart shall constitute an original, but they shall not be effective nor enforceable unless and until it is executed with the handwritten signature or electronic signature of an authorized representative of each of the relevant Parties. No counterpart shall be deemed to be an original or presumed delivered unless and until the counterpart executed by the other Party to this Agreement is in the physical possession of the Party seeking enforcement thereof.

47. INCONSISTENT OR CONFLICTING TERMS. In the event of any contradictions or inconsistencies between any attached documents or exhibits incorporated by reference herein and the provisions of the Agreement itself, the terms of the Agreement shall control. Any exhibit that is attached and incorporated by reference shall be limited to the purposes for which it is attached, as specified in this Agreement. Any contractual terms or conditions contained in such exhibit imposing additional obligations on the City are not binding upon the City and City's Designated Representative unless specifically agreed to in writing, and initiated by City's Designated Representative, as to each additional contractual term or condition.

48. CAPTIONS AND HEADINGS. The captions and headings contained in this Agreement are provided for identification purposes only and shall not be interpreted to limit or define the content, scope, or intent of the provisions described under the respective caption or heading.

49. ACKNOWLEDGEMENT. By signing below, Consultant acknowledges that it has reviewed the City's Professional Services Agreement terms and conditions and insurance requirements and that Consultant hereby agrees to full compliance.

[Signatures on next page]

IN WITNESS WHEREOF, the Parties have entered into this Agreement effective on the date as written in Section 4 and upon signature of all Parties.

CITY OF OXNARD

**BEACON INTEGRATED
PROFESSIONAL RESOURCES, INC.
DBA HAMNER, JEWELL &
ASSOCIATES**

☐ Luis A. Mc Arthur, Mayor² _____ Date
☐ Jennifer Yates, Purchasing Manager³

Lillian D. Jewell, President _____ Date

J.T. Katavich, Secretary⁴ _____ Date

ATTEST:

Lourdes A. López, City Clerk _____ Date
(only if Mayor authorizes)

APPROVED AS TO FORM:

Stephen M. Fischer, _____ Date
City Attorney (always required)

² The City Council must authorize and the Mayor must execute any agreement over \$220,000.

³ The Purchasing Agent may execute any authorized agreement up to \$220,000.

⁴ The City requires the following for any contract:

- For a corporation, the signatures of the Board President, CEO or Vice President and of the Board Secretary, Assistant Secretary, CFO or Assistant Treasurer;

- For an LLC, the signatures of at least two managers of the LLC (company directors, not lower-level managers); or

- For a partnership, the signature of a partner. If the partnership is a limited partnership, the signer must be a general partner.

If the company has a different structure, or if the above-listed persons are not the appropriate signers, please submit to the City Attorney legally-binding documentation stating who can sign and bind your company.

EXHIBIT A

PROFESSIONAL SERVICE AGREEMENT (CITY of Oxnard and Beacon Integrated Professional Resources, Inc. DBA Hamner, Jewell & Associates)

SCOPE OF SERVICES

PROJECT MANAGER: KJ May
TITLE: Construction Project Manager Senior
PHONE: (805) 393-3871
EMAIL: kuo.may@oxnard.org

Professional Service Consultant (Consultant) shall provide governmental real estate services, including but not limited to, property investigations and obtaining preliminary title reports; initial contacts with property owners; preparation and processing of easement, right-of-way, and sale agreements; obtaining real property appraisals; relocation services; property disposition; and such other services as may be required by the City of Oxnard (City). The Consultant shall provide services for various projects which include, but not be limited to, public buildings, housing, public work infrastructure and such other facilities as may be required.

Services shall be provided by the Consultant on projects as authorized and directed by the City under a duly executed and approved Task Order. The task order proposal shall identify a concise schedule for completion of the Work. It is the Consultant's responsibility to determine the best and most cost-effective method to complete the task so that the assigned task order can be completed to the satisfaction of the City. Task orders will be negotiated as a lump sum amount per term based upon the hourly rate fee schedule as agreed to by the City and Consultant for all services and under agreement amount. Task order funds will be encumbered based on quote provided to the City by Consultant per task order. This Scope of Work will allow for additional professional services offered by Consultant and the services noted below shall not be restricted to those directly stated.

Project under this Agreement may involve one or more of the following Municipal Infrastructure Improvements:

- Domestic water distribution system;
- Sanitary sewer collection system;
- Storm drainage collection system;
- Arterial, collector and local streets;
- Transportation system;
- Building and other types of facilities;
- Public park improvements;
- Beach maintenance;

- Seawall and dredge maintenance;
- Railway platform maintenance.

The Scope of Work shall include, but not be limited to the following:

Subcategory 1.1 - Real Property Services

- Perform preliminary property investigations, including obtaining County Assessor information and review of previous correspondence and contacts with the Owner. Review project plans and visit sites with City Staff.
- Obtain and review preliminary title reports.
- Lead good faith negotiations to reach timely, amicable agreements. Be proactive in initial and follow-up contacts with property owners. Respond to the owner's requests for information and others follow through. Receive, review, and transmit information from property owners to the City.
- Obtain and review real property appraisals. Report format will comply with the standards of the Appraisal Institute.
- Perform other real estate consulting services and related matters as requested by the City.

Subcategory 1.2 - Right of Way Acquisition

- Prepare correspondence, diaries, forms, easement, right-of-entry, and/or right-of-way agreements, purchase offers, and deeds.
- Process documents for recordation of easements, agreements, and deeds. Close out files to support State, County, and/or Federal right-of-way certification. Assist with Caltrans certification as necessary.
- Contact and negotiate with lessees and handle any necessary subordination.
- Attend periodic coordination and other project meetings as necessary.
- Assure compliance with agreements during construction.
- Perform other right-of-way consulting services and related matters as requested by the City.

City of Oxnard

Insert Department Name

305 West Third Street, East Wing Oxnard, California 93030

TASK ORDER

All Task Orders must include a copy
of the vendor proposal/estimate

Task Order No.:	Agreement No.:
Task Order NTE Amount:	Agreement NTE Amount:
City Purchase Order No.:	Agreement Type:
Agreement Expiration Date:	
Prime Consultant:	Subconsultant(s):

PROJECT TITLE OR SPECIFICATION NO.:

PROJECT DESCRIPTION:

DESCRIPTION OF SERVICES TO BE PERFORMED UNDER THIS TASK ORDER:

TIME FOR COMPLETION OF SERVICES UNDER THIS TASK ORDER:

COMPENSATION FOR SERVICES SHALL NOT EXCEED THE TASK ORDER NTE AMOUNT.

City Project Manager:

Consultant Project Manager:

Services under this Task Order shall not proceed until this Task Order is executed by the City and Consultant and the City issues a Notice to Proceed. This Task Order may only be modified in writing and subject to City approval. Consultant shall not exceed the scope of the task order or NTE amount.

City of Oxnard

[Consultant]

[designated rep] Date

[Name & Title] Date

Insert Department
Assistant Director/Director Date

[Name & Title] Date

For internal City Use Only

Account Number and Project Number	Example 1011234-53200-CXXXX
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EXHIBIT B

PROFESSIONAL SERVICE AGREEMENT (CITY of Oxnard and Beacon Integrated Professional Resources, Inc. DBA Hamner, Jewell & Associates)

SCHEDULE OF COMPENSATION

Senior Associate – Lillian Jewell	\$288 an hour
Senior Associates II	\$145-210 an hour
Senior Associate I	\$140-190 an hour
Associates II (Acquisition/Relocation)	\$120-155 an hour
Associates I (Acquisition/Relocation)	\$95-140 an hour
Contract Administrators	\$120-180 an hour
Project Coordinators	\$95-135 an hour
Transaction/Escrow Coordinators	\$85-130 an hour
Transaction Assistants	\$85 an hour
Assistants/Clerical Support	\$75 an hour
Appraisers	Lump Sum Fee per Appraisal Assignment

These rates are inclusive of general office expenses, overhead, and profit. Reimbursable costs that may be passed through to the client as additional expenses include travel expenses (based upon the standard IRS mileage reimbursement rate for automobile travel, or actual expenses for rail or air travel), special handling fees such as certified, express mail, and courier delivery charges, postage, photography, copy and printing, certain project/client-specific telephone expenses, and other charges made by third parties in connection with performing the scope of services. Such third-party expenses may include, but are not limited to, such costs as moving bid fees, title and escrow company charges, notary fees, and appraisal fees. Fees charged by insurance companies for issuing insurance certificates for client per contract requirements will also be billed through to client for reimbursement. Per diem charges may apply in cases where the project area is more than two hours auto commuting time away from a Hamner, Jewell & Associates (HJA) office location.

All reimbursable and third-party expenses, mileage and travel costs will be passed through without mark-up. Statements for work shall be rendered monthly.

If HJA is called upon or compelled to provide support for litigation or other proceedings, or respond to subpoenas in any way whatsoever related to the work HJA has completed on client's behalf, client shall pay HJA for required time in accordance with the hourly rates and fees specified in this Fee Schedule, except, however, any time for court testimony and depositions shall be paid at a rate of \$500/hour for HJA Senior Associates, \$325/hour for HJA Associates, and \$200/hour for HJA support staff.

EXHIBIT C

PROFESSIONAL SERVICES AGREEMENT (CITY of Oxnard and Beacon Integrated Professional Resources, Inc. DBA Hamner, Jewell & Associates)

INSURANCE REQUIREMENTS

Prior to contract approval and beginning of services under this agreement, Consultant must procure, agree to maintain and supply evidence of insurance at the levels listed and in accordance with the other provisions listed in this document.

[SEE NEXT PAGES]

**INSURANCE REQUIREMENTS FOR CONSULTANTS
(WITH ERRORS AND OMISSIONS REQUIREMENT)**

1. Consultant shall obtain and maintain during the performance of any services under this Agreement the following insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of services hereunder by Consultant, its agents, representatives, employees or subconsultants.
 - a. Commercial General Liability Insurance, including Contractual Liability, in an amount not less than \$1,000,000 combined single limit for bodily injury and property damage for each claimant for general liability with coverage equivalent to Insurance Services Office Commercial General Liability Coverage (Occurrence Form CG 0001). If a general aggregate limit is used, that limit shall apply separately to the project or shall be twice the occurrence amount;
 - b. Business automobile liability insurance in an amount not less than \$1,000,000 combined single limit for bodily injury and property damage for each claimant for automobile liability with coverage equivalent to Insurance Services Office automobile liability coverage (Occurrence Form CA0001) covering Code No. 1, "any auto;"
 - c. Professional liability/errors and omissions insurance appropriate to Consultant's profession to a minimum coverage of \$1,000,000, with neither Consultant nor listed subconsultants having less than \$500,000 individually. The professional liability/errors and omissions insurance must be project specific with at least a one year extended reporting period, or longer upon request.
 - d. Workers' compensation insurance in compliance with the laws of the State of California, and employer's liability insurance in an amount not less than \$1,000,000 per claimant. Additionally, the workers' compensation policy shall include a waiver of all rights of subrogation which the insurer may have against the City.
2. Consultant shall, prior to performance of any services, file with the Risk Manager certificates of insurance with original endorsements effecting coverage required by this Exhibit INS-A. The certificates and endorsements for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. The certificates and endorsements are to be on the attached forms or on other forms approved by the Risk Manager. All certificates and endorsements are to be received and approved by the Risk Manager before commencement of services. City reserves the right to require complete certified copies of all required insurance policies at any time. The certificates of insurance and endorsements shall be sent via email. If you have not received your request or are having difficulty with electronic upload, contact insurance@oxnard.org
3. Consultant agrees that all insurance coverages shall be provided by a California admitted insurance carrier with an A.M. Best rating of A:VII or better and shall be endorsed to state that coverage may not be suspended, voided, canceled, or reduced in coverage or limits without 30 days' prior written notice to the Risk Manager. The Risk Manager shall not approve or accept any endorsement if the endorsement contains "best effort" modifiers or if the insurer is relieved from the responsibility to give such notice.
4. Consultant agrees that the commercial general liability and business automobile liability insurance policies shall be endorsed to name City, its City Council, officers, employees, agents and volunteers as additional insureds as respects: liability arising out of activities performed by or on behalf of Consultant; products and completed operations of Consultant; premises owned, occupied or used by Consultant; or automobiles owned, leased, hired or borrowed by Consultant. The coverage shall contain no special limitations on the scope of protection afforded to City, its City Council, officers, employees, agents and volunteers. The General Liability Special Endorsement Form and Automobile Liability Special Endorsement Form attached to this Exhibit INS-A or substitute forms containing the same information and acceptable to the Risk Manager shall be used to provide the endorsements (ISO form CG 2010 11/85 or if not available, CG 2010 with an edition date prior to 01/04 and CG 2037).
5. The coverages provided to City shall be primary and not contributing to or in excess of any existing City insurance or self-insurance coverages (this must be endorsed). Additionally, the workers' compensation policy shall include a waiver of all rights of subrogation which the insurer may have against the City. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to City, its City Council, officers, employees and volunteers. The insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.
6. The insurer shall declare any deductibles or self-insured retentions to and be approved by the Risk Manager. At the option of the Risk Manager, either the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects City, its City Council, officers, employees and volunteers, or the Consultant shall procure a bond guaranteeing payment of losses and related investigations, claim administration and defense expenses.
7. All insurance standards applicable to Consultant shall also be applicable to Consultant's subconsultants. Consultant agrees to maintain appropriate agreements with subconsultants and to provide proper evidence of coverage upon receipt of a written request from the Risk Manager.

INSTRUCTION FOR SUBMITTING INSURANCE CERTIFICATES AND ENDORSEMENT FORMS

Certificates of Insurance

The sample accord form on the following page is provided to facilitate your preparation and submission of certificates of insurance. You may use this or any industry form that shows coverage as broad as that shown on the attached sample. **Please note the certificate holder address must be as shown on the attached sample accord form with the contract number and insurance exhibit identification information completed.** Improperly addressed certificates may delay the contract start-up date because the City's practice is to return unidentifiable insurance certificates to the insured for clarification as to the contract number. **Cancellation provisions must be endorsed to the policy. Modifying the certificate does not change coverage or obligate the carrier to provide notice of cancellation.**

Endorsement Forms

Original endorsements are required for commercial general liability and business automobile liability insurance policies and must be attached to the applicable certificate of insurance. City preference is that the Consultant/insurer use the endorsement forms which are attached. Substitute forms will be accepted, however, as long as they include provisions comparable to the sample accord form.

INS-A.doc

Rev. 1/23

Rev. 1/23

AUTOMOBILE LIABILITY SPECIAL ENDORSEMENT FOR THE CITY OF OXNARD (the "City")		SUBMIT IN DUPLICATE	
		ENDORSEMENT NO.	ISSUE DATE (MM/DD/YY)
PRODUCER		POLICY INFORMATION: Insurance Company: Policy No.: Policy Period: (from) _____ (to) LOSS ADJUSTMENT EXPENSE ☐ Included in Limits ☐ In Addition to Limits	
Telephone: _____		☐ Deductible ☐ Self-Insured Retention (check which) of \$_____ with an Aggregate of \$_____ applies to, coverage. ☐ Per Occurrence ☐ Per Claim _____ (which)	
NAMED INSURED		APPLICABILITY. This insurance pertains to the operations, products and/or tenancy of the named insured under all written agreements and permits in force with the City unless checked here ☐ in which case only the following specific agreements and permits with the City are covered: CITY AGREEMENTS/PERMITS	
TYPE OF INSURANCE ☐ COMMERCIAL AUTO POLICY ☐ BUSINESS AUTO POLICY ☐ OTHER _____		OTHER PROVISIONS	
LIMIT OF LIABILITY \$ _____ per accident, for bodily injury and property damage.		CLAIMS: Underwriter's representative for claims pursuant to this insurance. Name: _____ Address: _____ Telephone: (_____) _____	
In consideration of the premium charged and notwithstanding any inconsistent statement in the policy to which this endorsement is attached or any endorsement now or hereafter attached thereto, insurance company agrees as follows: 1. INSURED. The City, its officers, agents, volunteers and employees are included as insureds with regard to liability and defense of suits arising from the operations, products and activities performed by or on behalf of the named insured. 2. CONTRIBUTION NOT REQUIRED. As respects: (a) work performed by the named insured for or on behalf of the City; or (b) products sold by the named insured to the City; or (c) premises leased by the named insured from the City, the insurance afforded by this policy shall be primary insurance as respects the City, its officers, agents, employees or volunteers; or stand in an unbroken chain of coverage excess of the named insured's scheduled underlying primary coverage. In either event, any other insurance maintained by the City, its officers, agents, employees or volunteers shall be in excess of this insurance and shall not contribute with it. 3. SEVERABILITY OF INTEREST. This Insurance applies separately to each insured against whom claim is made or suit is brought except with respect to the company's limits of liability. The inclusion of any person or organization as an insured shall not affect any right which such person or organization would have as a claimant if not so included. 4. CANCELLATION NOTICE. With respect to the interests of the City, this insurance shall not be canceled, or materially reduced in coverage or limits except after thirty (30) days prior written notice by receipted delivery has been given to the City. 5. PROVISIONS REGARDING THE INSURED'S DUTIES. Any failure to comply with reporting provisions of the policy or breaches or violations of warranties shall not affect coverage provided to the City, its officers, agents, employees or volunteers. 6. SCOPE OF COVERAGE. This policy, if primary, affords coverage at least as broad as: a. Insurance Services Office Automobile Liability Coverage, "occurrence" form CADD01, code ("any auto"); or b. If excess, affords coverage which is at least as broad as the primary insurance form referenced in the preceding section (1). Except as stated above nothing herein shall be held to waive, alter or extend any of the limits, conditions, agreements or exclusions of the policy to which this endorsement is attached.			
ENDORSEMENT HOLDER			
CITY OF OXNARD % Evident ID, Inc. 8520 Allison Pointe Blvd. Ste 223 PMB 5210 Indianapolis, Indiana 46250-4299 US		AUTHORIZED REPRESENTATIVE ☐ Broker/Agent ☐ Underwriter ☐ _____ I _____ (print/type name), warrant that I have authority to bind the above-mentioned insurance company and by my signature hereon do so bind this company to this endorsement. Signature _____ (original signature required) Telephone: () _____ Date Signed _____	

EXHIBIT D

PROFESSIONAL SERVICES AGREEMENT (CITY of Oxnard and Beacon Integrated Professional Resources, Inc. DBA Hamner, Jewell & Associates)

LIVING WAGE POLICY

Pursuant to the Living Wage Policy adopted July 9, 2002 by the City Council and effective October 1, 2002, the City Manager and City Attorney are directed to include the following language in all standard Consultant/Professional Services contracts that may be governed by the Living Wage Policy.

A. Consultant shall compensate any employee of Consultant who provides Services under this Agreement in accordance with the Living Wage Policy, attached hereto and incorporated herein by reference as the Living Wage Policy Exhibit. While this Agreement is in effect, Consultant shall pay such employee no less than \$20.06 per hour for each hour that such employee provides Services under this Agreement. In addition, while this Agreement is in effect, Consultant shall provide to such employee no less than 96 hours of paid leave per calendar year.

B. Consultant agrees to post, at a location readily accessible to those employees providing Services to the City, a copy of the Living Wage Policy adopted by City Council on July 9, 2002 and effective October 1, 2002.

C. If Consultant fails to compensate such employee pursuant to the Living Wage Policy, the City Manager or designee shall terminate this Agreement on written notice to Consultant, effective immediately.

D. In addition, if Consultant fails to comply with the Living Wage Policy in any manner, Consultant shall pay to City a fine of \$500 and shall pay to any employee providing Services under this Agreement a penalty of three times the amount or value of the compensation owed to such employee under the Living Wage Policy. Consultant shall pay such fine and penalty within fifteen (15) calendar days after the City Manager or designee provides written notice to Consultant of the amount owed.

**CITY OF OXNARD LIVING WAGE REQUIREMENTS
EFFECTIVE JULY 1, 2025**

Consultant shall compensate any employee of Consultant who provides Services under this Agreement in accordance with the Living Wage Policy, attached hereto and incorporated herein by reference as Exhibit D. While this Agreement is in effect, Consultant shall pay such employee no less than \$20.06 per hour for each hour that such employee provides Services under this Agreement. This hourly rate shall be adjusted on July 1, 2026, and each July 1 thereafter, according to the percentage change in the Consumer Price Index, all items, prepared by the Bureau of Labor Statistics for the Los Angeles area relating to all urban consumers (CPI-U), index base 1982-84=100, comparing May of the previous year to May of the current year. In addition, while this Agreement is in effect, Consultant shall provide to such employee no less than 96 hours of paid leave per calendar year.

- a. Consultant agrees to post, at a location readily accessible to those employees providing Services to the City, a copy of the Living Wage Policy adopted by the Oxnard City Council on July 9, 2002 and effective October 1, 2002.
- b. If Consultant fails to compensate such employee pursuant to the Living Wage Policy, the City Manager or designee shall terminate this Agreement on written notice to Consultant, effective immediately.
- c. In addition, if Consultant fails to comply with the Living Wage Policy in any manner, Consultant shall pay to City a fine of \$500 and shall pay to any employee providing Services under this Agreement a penalty of three times the amount or value of the compensation owed to such employee under the Living Wage Policy. Consultant shall pay such fine and penalty within fifteen (15) calendar days after the City Manager or designee provides written notice to Consultant of the amount owed.

EXHIBIT E

PROFESSIONAL SERVICES AGREEMENT (CITY of Oxnard and Beacon Integrated Professional Resources, Inc. DBA Hamner, Jewell & Associates)

PREVAILING WAGE

1. Consultant acknowledges that the Project defined in the Agreement between Consultant and City is a “public work” as defined in Division 2, Part 7, Chapter 1 of the California Labor Code (“Chapter 1”), and that this Agreement is subject to Chapter 1 and the rules and regulations established by the Director of Industrial Relations (“DIR”) implementing such statutes. Consultant shall perform the Project as a public work. Consultant shall comply with and be bound by all the terms, rules and regulations described in Chapter 1 and the DIR’s rules and regulations as though set forth in full herein.
2. Pursuant to Labor Code Section 1773.2, copies of the prevailing rate of per diem wages for each craft, classification, or type of worker needed to perform the Agreement are on file at City Hall and will be made available to any interested party on request. Consultant acknowledges receipt of a copy of the DIR determination of such prevailing rate of per diem wages, and Consultant shall post such rates at each job site covered by this Agreement.
3. Consultant is required to post job site notices, as prescribed by regulation. See Labor Code Section 1771.4(a)(2).
4. Consultant shall comply with and be bound by the provisions of Labor Code Sections 1774 and 1775 concerning the payment of prevailing rates of wages to workers and the penalties for failure to pay prevailing wages. Consultant shall, as a penalty to City, forfeit not more than \$200 for each calendar day or portion thereof for each worker paid less than the DIR’s determined prevailing rates for the work or craft in which the worker is employed pursuant to this Agreement by Consultant or any subcontractor. The Labor Commissioner shall determine the amount of the penalty as described in Section 1775.
5. Consultant shall comply with Labor Code Section 1776, which requires Consultant and each subcontractor to (1) keep accurate payroll records and verify such records in writing under penalty of perjury, (2) certify and make such payroll records available for inspection, and (3) inform City of the location of the records.
6. Consultant shall comply with Labor Code Sections 1777.5, 1777.6 and 1777.7 and California Administrative Code Title 8, Section 200 et seq. concerning the employment of apprentices on public works projects for all apprenticeable occupations. Before commencing work under this Agreement, Consultant shall provide City with a copy of the information submitted to any applicable apprenticeship program. Within 60 days after concluding the Project, Consultant and each of its subcontractors shall submit to City a

verified statement of the journeyman and apprentice hours performed under this Agreement.

7. Consultant may not be debarred or suspended throughout the Agreement Term pursuant to Labor Code Section 1777.1 or 1777.7. If he, she or it becomes debarred or suspended in the Agreement Term, Consultant must immediately notify City.

8. Consultant is not qualified to bid on, be listed in a Bid proposal, or engage in the performance of any contract for public work, as defined in Labor Code Sections 1720 through 1861, unless currently registered and qualified to perform public work pursuant to Labor Code Section 1725.5. Consultant shall continue without interruption to stay registered and qualified to perform public work pursuant to Section 1725.5 for the duration of the term of this Agreement. This provision does not apply to construction, alteration, demolition, installation or repair work of \$25,000 or less or to maintenance work of \$15,000 or less.

9. Consultant acknowledges that 8 hours labor constitutes a legal day's work. Consultant shall comply with and be bound by Labor Code Section 1810.

10. Consultant shall comply with and be bound by Labor Code Section 1813 concerning penalties for workers who work excess hours. Consultant shall, as a penalty to City, forfeit \$25 for each worker employed in the performance of this Agreement by Consultant or by any subcontractor for each calendar day during which such worker is required or permitted to work more than 8 hours in any calendar day and 40 hours in any one calendar week in violation of the provisions of Division 2, Part 7, Chapter 1, Article 3 of the Labor Code. Pursuant to Labor Code Section 1815, work performed by Consultant's employees in excess of 8 hours per day and 40 hours per week shall be permitted upon public work upon compensation for all hours worked in excess of 8 hours per day at not less than 1 ½ times the basic rate of pay.

11. The Project listed in the Agreement is subject to compliance monitoring and enforcement by the DIR.

12. Consultant shall be responsible for each and every one of its subcontractors' compliance with Chapter 1, the DIR's rules and regulations, and Labor Code Sections 1860 and 3700. Consultant shall include in the written contract between it and each subcontractor a copy of, and a requirement that each subcontractor shall comply with, those statutory provisions. Consultant shall be required to take all actions necessary to enforce such contractual provisions and ensure subcontractors' compliance, including without limitation, conducting a periodic review of the certified payroll records of each subcontractor, and upon becoming aware of the failure of the subcontractor to pay its workers the specified prevailing rate of wages, Consultant shall diligently take corrective action to halt or rectify any failure.

13. To the maximum extent, Consultant shall hold harmless, defend (with counsel approved by the City Attorney) and indemnify City, its legislative bodies, and its officials,

officers, employees and agents from any demand or claim for damages, compensation, fines, penalties or other amounts arising out of or incidental to any acts or omissions listed above by any person or entity (including Consultant, its subcontractors, and each of their officials, officers, employees and agents) in connection with any work undertaken or in connection with the Agreement, including without limitation the payment of all attorneys' fees and other related costs. All duties of Consultant under this Section shall survive Agreement termination.

**ON-CALL PROFESSIONAL SERVICES AGREEMENT
BETWEEN
THE CITY OF OXNARD AND BENDER ROSENTHAL, INC.**

By This On-Call Professional Services Agreement ("Agreement"), the City of Oxnard ("City") agrees to engage the Services of Bender Rosenthal, Inc. ("Consultant"), and Consultant agrees to perform the Services for City as herein described, for the compensation, during the term, and otherwise subject to the covenants and conditions herein set forth. City and Consultant may be individually referred to as "Party" or collectively as the "Parties."

1. [INTENTIONALLY OMITTED].

2. SUMMARY DESCRIPTION OF SERVICES.

Professional Service Consultant (Consultant) shall provide governmental real estate services, including but not limited to, property investigations and obtaining preliminary title reports; initial contacts with property owners; preparation and processing of easement, right-of-way, and sale agreements; obtaining real property appraisals; relocation services; property disposition; and such other services as may be required by the City of Oxnard (City). The Consultant shall provide services for various projects which include, but not be limited to, public buildings, housing, public work infrastructure and such other facilities as may be required.

The Services to be performed pursuant to this agreement will be limited to the particular professional services that are identified in the Scope of Services, attached hereto as Exhibit A. Consultant has been prequalified to perform the particular services required by the City and the City shall issue Task Orders describing the particular project or services required by the City to the prequalified consultants and consultants shall submit a responsive proposal to the City's Project Manager.

Consultant is not be the exclusive provider of services to the City. The City does not guarantee a specified amount of work under this on-call agreement.

3. PARTIES.

City of Oxnard, a general law and municipal corporation of the State of California, located at 300 West Third Street, Oxnard California 93030.

Bender Rosenthal, Inc. a corporation of the State of California, located at 2825 Watt Avenue, Suite 200, Sacramento, CA 95821.

4. TERM OF AGREEMENT: From: October 9, 2025 To: October 8, 2026

- A. Time is of the essence in this Agreement
- B. The City shall have the option to exercise (4) consecutive (1) one-year term extensions, in accordance with the scope of work and terms and conditions of this Agreement. Any price negotiations, if allowed, shall be negotiated at the time of contract extension.
- C. This Agreement shall not exceed a total of five (5) years (including the initial term and any options to extend). The City in its sole discretion may exercise the option terms upon sixty (60) days written notice to the Consultant (or any other time if the parties so agree) in accordance with Section 12 of this Agreement. The option term shall be commenced by an amendment to this agreement.
- D. All Services required of Consultant under this Agreement shall be completed on or before the end of the term of the Agreement.

5. AGREEMENT AMOUNT NOT TO EXCEED: \$500,000.00 ¹

6. AGREEMENT EXHIBITS. The following documents memorialized below are the only exhibits to this Agreement and are incorporated by reference as though fully set forth herein. In the event of a conflict between the Exhibits and this Agreement, the Agreement controls.

- Exhibit A: Scope of Services and Task Order Template
- Exhibit B: Schedule of Compensation
- Exhibit C: Insurance Requirements: City Insurance Exhibit INS-A
- Exhibit D: Living Wage Policy
- Exhibit E: Prevailing Wage Policy

7. DESIGNATED REPRESENTATIVES. The Designated Representatives listed below shall be authorized to act on behalf of the named Party, be responsible for negotiations and contractual matters, and coordinate with each other to perform the Services under this Agreement. Additionally, Consultant's Services shall be performed or immediately supervised by the Consultant's Representative:

¹ This is not a guaranteed dollar amount. No services or work performed pursuant to a Task Order shall exceed the "Not to Exceed" Amount of the Contract or the agreed upon amount stated in the Task Order.

City Designated Representative Name: KJ May Title: Construction Project Manager Senior Phone: 805-393-3871 Email: kuo.may@oxnard.org Address: 305 West Third Street, East Wing, Second Floor, Oxnard, CA 93030	Consultant Designated Representative Name: Renee Baur, PMP, CA RE Broker Title: Principal in Charge & Primary Contact Phone: (916) 978-4900 Ext. 2005 Email: r.baur@benderrosenthal.com Address: 2825 Watt Avenue, Suite 200, Sacramento, CA 95821
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8. CONTRACTUAL PREREQUISITIES. This Agreement must first be executed by the Consultant, after which the Agreement shall be approved as to form by the City Attorney, then executed by the Mayor, or an authorized person on behalf of the City, and if executed by the Mayor shall also be executed by the City Clerk.

- A. Consultant is advised that any recommendation for Agreement award is not binding on City until the Agreement is fully executed and approved by the City.
- B. All proof of a City tax certificate, insurance, and W-9 forms is required prior to execution of this Agreement.
- C. Consultant shall not perform any work under this Agreement until a proof of insurance has been provided to the City as required under Section 24 of this Agreement.

9. CONSULTANT'S SERVICES.

- A. Consultant shall perform only the type or category of services as set forth in the "Scope of Services," and pursuant to the information contained in the Task Orders issued pursuant to this agreement.
- B. Task Orders may only be modified in writing by the City's Project Manager or Designated Representative.
- C. The Services issued pursuant to a Task Order shall be coordinated with the designated City Project Manager set forth in Exhibit A and are subject to the direction of the City Manager or Department Director. Consultant hereby designates as its Project Manager, the individual identified in Section 7 of this Agreement, as the person responsible for the Services who shall coordinate with City's Project Manager in executing the Scope of Services and Task Order(s) under this Agreement.
- D. Under no circumstances shall the Consultant exceed the amount stated in the City's Task Order or perform additional work or services that are not included in the Task Order

10. COMPENSATION. City shall pay Consultant for the Services performed pursuant to the terms of this Agreement and based on the hourly rates and fees set forth in the "Schedule of Compensation," attached to and incorporated into this Agreement as "Exhibit B." Consultant's compensation shall not to exceed amount stated in the Task Order. Under no circumstances shall the Consultant perform work in excess of the amount stated in the Task Order or the not to exceed amount listed in Section 5 of this Agreement. Once this Agreement is executed, the Schedule of Compensation may only be modified by written Amendment pursuant to Section 13 of this Agreement, and may be subject to approval by the City Council.

- A. The maximum not to exceed amount for any individual Task Order issued pursuant to this Agreement shall be \$100,000.00 per Task Order or \$200,000, if the Task Order is associated with an identified and approved Capitol Improvement Project.
- B. Annual Rate and Fees adjustments must be requested in writing and shall not exceed 3% and are subject to approval by the City. Annual adjustments shall apply to Task Orders issued after the adjustment is approved and not retroactively to in progress Task Orders.

11. PAYMENT and INVOICES. The City shall pay all undisputed portions of any applicable invoice within thirty (30) days after receipt of an invoice. In the event the City disputes one or more items in an invoice, the City shall, within thirty (30) days after receipt of such invoice, notify the Consultant of the item(s) being disputed and the reason(s) therefore. The City may withhold payment for such disputed items until resolution of the dispute.

- A. Payment Request. Consultant shall submit a payment request to CITY by the end of each calendar month listing the Services provided, costs of those Services, and total amount due for the month. Invoices may be emailed to: pwinvoices@oxnard.org.
- B. Consultant's acceptance of final payment made pursuant to this Agreement shall constitute a release of City from all claims and liabilities for compensation to Consultant for anything completed, finished or relating to the Services. City's payment shall not constitute nor be deemed a release of the responsibility and liability of Consultant for the accuracy and competency of the information provided and/or the Services performed hereunder, nor shall such payment be deemed to be an assumption of responsibility or liability by City for any defect or error in the Services performed by Consultant and its employees, agents and subcontracted Consultants.
- C. Consultant shall provide City with a completed Request for Taxpayer Identification Number and Certification, as issued by the Internal Revenue Service. If any sales tax is due for the Services performed by Consultant or

materials or products provided to City by Consultant, Consultant shall pay the sales tax. City shall not reimburse Consultant for sales taxes paid by Consultant.

- D. **Non-Appropriation of Funds.** Payments to be made to Consultant by City for the Services performed within the current fiscal year are within the current fiscal budget and within an available, unexhausted and unencumbered appropriation of City. In the event City does not appropriate sufficient funds for payment of the Services beyond the current fiscal year, this Agreement shall cover payment for the Services only up to the conclusion of the last fiscal year in which City appropriated sufficient funds and shall automatically terminate at that fiscal year's conclusion.

12. OPTION TO EXTEND AGREEMENT. When in the City's best interest, this Agreement may only be extended, if the City, in its discretion, exercises an option term in accordance with Section 4 subparagraphs (B) and (C) of this Agreement. The initial term, plus any option to extend shall not exceed a total of five (5) years. **If no option to extend the Agreement appears in section 4(B), then this Agreement shall not be extended.**

13. MODIFICATION OF AGREEMENT. This Agreement may be amended, modified, or otherwise altered, or its provisions waived, only upon mutual consent of the Parties by written amendment. The City may request that the Consultant perform Extra Services. As used herein, "Extra Services" means any services, which are determined by the City to be necessary for the proper completion of the project, but which the Parties did not reasonably anticipate would be necessary at the execution of this Agreement or any Task Order issued under this Agreement. A written amendment signed by both Parties shall be required to authorize performance of and payment for Extra Services under this Agreement or Task Order.

14. TERMINATION OF AGREEMENT. City may terminate this Agreement at any time, with or without cause and without penalty, upon fifteen (15) calendar days' prior written notice pursuant to Section 22 of this Agreement. Such termination shall be effective on the date specified in the notice, or if no date is specified, then fifteen (15) calendar days from the date of the notice. City shall be liable to Consultant only for work done by Consultant up to and including the date of termination of this Agreement unless the termination is for cause, in which event Consultant need be compensated only to the extent required by law. Consultant may terminate this Agreement at any time during the term of the Agreement by giving the City sixty (60) calendar days' prior written notice.

15. [RESERVED].

16. INDEPENDENT CONTRACTOR. Consultant is and shall at all times remain, as to City, a wholly independent contractor. Neither City nor any of its employees or agents shall have control over the conduct of Consultant or any of its employees, except as stated in this Agreement. Consultant has and shall retain the right to exercise full control over the employment, direction, means of performance, location, compensation and discharge of all persons assisting Consultant. This Agreement shall not be interpreted to prevent or preclude Consultant from rendering any Services for Consultant's own account or to any other person or entity as Consultant in its sole discretion shall determine; provided, however, that performing such Services shall not materially interfere with the Services the Consultant shall perform for the City. The City retains the right to provide general instructions to and observe the Consultant in the performance of all Services done on behalf of the City.

Consultant and its employees, subconsultants, and agents have no authority, express or implied, to act on behalf of City in any capacity, to incur any debt, obligation or liability on behalf of City, bind City in any manner, or otherwise act on behalf of City as an agent. Consultant and its employees are not employees of City. Consultant and its employees are not entitled to receive from City any of the benefits or rights afforded employees of City, including but not limited to reserve leave, sick leave, vacation leave, holiday leave, compensatory leave, Public Employees Retirement System benefits, and health, life, dental, long-term disability and workers' compensation insurance benefits. Consultant shall not, at any time or in any manner, represent that it or any of its agents, subconsultants, or employees are in any manner agents, subconsultants, or employees of City.

17. LAWFUL PERFORMANCE. Consultant shall abide by all federal, state, and local laws and regulations as may be related to the performance of duties under this Agreement. Consultant, at its sole expense, shall obtain and maintain during the term of this Agreement, all appropriate permits, licenses, and certificates that may be required in connection with the performance of Services under this Agreement.

18. SAFETY REQUIREMENTS. Consultant shall not perform any Services for the City when the Consultant is impaired by alcohol or a controlled substance. When there is reasonable cause to believe that any person has violated this provision, that person shall be immediately removed from the premises and be subject to any applicable civil and/or criminal penalties under the City's Code and/or under state law. All work performed under this Agreement shall be performed in such a manner as to provide safety to the public. The City reserves the right to issue restraining or cease and desist orders to Consultant when unsafe or harmful acts are observed or reported relative to the performance of the work under this Agreement. The acceptance of Consultant's work

by City shall not operate as a release of the Consultant from such standard of care and workmanship.

19. STANDARD OF PERFORMANCE; WARRANTY. Consultant agrees to perform all Services required by this Agreement in a professional and competent manner, in accordance with the degree of skill and diligence which is normally employed by reputable professionals performing similar Services under similar conditions in the same or similar locality. Such Services shall also be performed in a manner which is reasonably satisfactory to City Project Manager, or designee (hereinafter the "Project Manager"), provided that discretion in determining what is satisfactory shall not alter the foregoing standard of care.

- A. In accordance with the standard of care set forth in the first sentence of Section 19, the Consultant agrees that it:
 - (1) Has thoroughly reviewed and considered the services and work to be performed; and
 - (2) Has reviewed the issues regarding the Scope of Services and Task Orders to be provided; and
 - (3) Has carefully considered how the services and related work should be performed; and
 - (4) Fully understands the facilities, difficulties and restrictions associated with performance of the services required by this Agreement.

20. OWNERSHIP OF CONSULTANT'S WORK PRODUCT, CONFIDENTIALITY & DISCLOSURE, RECORDS & WARRANTY. City shall be the owner of any and all technical documents and records, including, computations, plans, correspondence, and/or other pertinent data and information, both hard copy and electronic, gathered or prepared by Consultant in performance of this Agreement and shall be entitled to immediate possession of the same upon completion of the work under this Agreement, or at any earlier or later time when the same may be requested by City.

- A. Ownership of Documents. Every report, draft, work product, map, record, and other document reproduced, prepared, or caused to be prepared by the Consultant pursuant to or in connection with this Agreement shall be the exclusive property of the City.
- B. Deliverables. Consultant shall deliver to the City the studies, plans, specifications, or other documents as are identified in the Scope of Services or Task Order; and Consultant shall, upon completion of all work or termination of this Agreement, submit to the City all information developed in the course of the Consultant 's services. Consultant shall, in such time and in such form as the City may require, furnish reports concerning the

status of Services required under this Agreement. Consultant shall, upon request by City and upon completion or termination of this Agreement, deliver to the City all material furnished to Consultant by the City.

- C. Records and Inspections. The Consultant shall maintain full and accurate records, with respect to all Services and matters covered under this Agreement. Books and records pertaining to costs shall be kept and prepared in accordance with generally accepted accounting principles. The City shall have free access at all reasonable times to such records, both hard copy and electronic, and the right to examine and audit the same and to make transcripts therefrom, and to inspect all program data, documents, proceedings, and activities.
- D. Confidentiality. Information that is exempt from disclosure to the public is confidential. This includes information relating to the past, present, or future affairs of the City or information belonging to a third party whose information is in the City's possession or control under obligations of confidentiality. Consultant may be granted access to information that is exempt from disclosure to the public (Government Code Section 7920.505) and may contain "trade secrets" (see Government Code Section 7924.510(f)) when it is necessary for Consultant to perform its obligations pursuant to this Agreement. If Consultant is granted such access to confidential information, Consultant shall not be considered to be a member of the public as that term is used in Government Code Section 7920.515.
- E. Disclosure of Information. Consultant shall not disclose, publish, or authorize others to disclose or publish, design data, drawings, specifications, reports, or other information pertaining to the projects assigned to Consultant by the City or other information to which the Consultant has had access during the term of this Agreement without the prior written approval of the City's Designated Representative during the term of this Agreement and for a period of two (2) years after the termination of this Agreement.
- F. No Warranty. Other than an obligation upon the City to deal in good faith, the City makes no warranties and shall bear no liability or responsibility for errors or omissions in any Confidential Information disclosed under this Agreement or for any business decisions made by Consultant in reliance on any Confidential Information disclosed under this Agreement.

21. NOTICE OF BREACH AND OPPORTUNITY TO CURE. Neither Party will be in breach of this Agreement where the breach is capable of being cured, or until written notice of the breach is received from the non-breaching Party. The Party charged with breach will have fifteen (15) calendar days from the date of receiving such notice in which to cure the breach or otherwise respond. If the circumstances leading to the charge that the

Agreement was breached have not been cured or explained to the satisfaction of the other Party within fifteen (15) days from the date on which the breaching Party received notice of breach, the non-breaching Party may terminate this Agreement. Notice shall be given in the manner set forth in section 22.

22. NOTICE. All notices given or required to be given pursuant to this Agreement shall be in writing and may be given by personal delivery or by first-class mail. Notice sent by mail shall be addressed to each Party's Designated Representative as set forth above in Section 7. When addressed in accordance with this Section, such notice shall be deemed given upon deposit in the United States mail, postage prepaid. In all other instances, notices shall be deemed given at the time of actual delivery. Changes may be made in the names or addresses of persons to whom notices are to be given by giving notice in the manner prescribed in this Section.

23. INDEMNIFICATION, HOLD HARMLESS & DEFENSE. Except as set forth in Subsection A of this Section 23, and to the fullest extent permitted by law, Consultant shall immediately defend, indemnify, and hold harmless the City, its officers, employees, representatives, and agents (the "City Indemnitees"), from and against those actions, suits, proceedings, claims, demands, losses, costs, and expenses, including legal costs and reasonable attorneys' fees, for any personal injuries, deaths, or property damage, including property owned by the City (collectively "Claims") which may arise out of Consultant's negligence or willful misconduct in the performance of the services described in this Agreement, unless such Claims are proven to be caused by the negligence or willful misconduct of the City Indemnitees.

A. The provisions of this Subsection apply only in the event that Consultant is a design professional within the meaning of California Civil Code section 2782.8 ("Design Professional"). The term Design Professional, as defined in said section, is limited to licensed architects, licensed landscape architects, registered professional engineers, professional land surveyors, and the business entities that offer such services in accordance with the applicable provisions of the California Business and Professions Code.

(1) Notwithstanding the provisions of Section 23 above, to the extent that the services to be provided under this Agreement are those of a Design Professional, Consultant's duty to indemnify, hold harmless, and defend the City Indemnitees shall be limited to the extent that any Claims arise out of, pertain to, or relate to the negligence, recklessness, or willful misconduct of the Consultant, its officers, agents, employees or subconsultants in the performance of the services described in this Agreement.

(2) In no event shall the costs of defense charged to Consultant exceed the Consultant's proportionate percentage of fault, except as otherwise set forth

in said Civil Code section 2782.8, the provisions of which are incorporated into this Agreement by this reference. Nothing in this Subsection b shall be construed to require Consultant to provide indemnification for Claims caused by the active negligence or willful misconduct of the City Indemnitees

- B. The City does not and shall not waive any rights that it may have against Consultant under this Section, because of the acceptance by the City, or the deposit with the City, of any insurance policy or certificate required pursuant to this Agreement. The hold harmless and indemnification provisions of this Section 23 shall apply regardless of whether said insurance policies are determined to be applicable to the claim, demand, damage, liability, loss, cost, or expense described herein.
- C. The obligation to indemnify and defend, as set forth in this Section 23, is binding on the successors, assigns, or heirs of Consultant and shall survive the expiration or any early termination of this Agreement.

24.INSURANCE. Consultant shall obtain and maintain during the performance of any Services under this Agreement the insurance coverages listed within “Exhibit C”, which is attached hereto and incorporated herein by this reference, unless the Risk Manager waives, in writing, the requirement that Consultant obtain and maintain such insurance coverages. Such insurance must be issued by a company satisfactory to the Risk Manager. Consultant shall, before performance of any Services pursuant to this Agreement, file with the Risk Manager evidence of insurance coverage as specified in “Exhibit C”. Maintenance of insurance coverages by Consultant is a material element of this Agreement. Consultant’s failure to maintain or renew insurance coverages or to provide renewal evidence shall be considered a material breach of this Agreement.

25.LIVING WAGE REQUIREMENTS. During the term of this Agreement, Consultant understands and agrees that if Living Wages are applicable, subject to the 2002 Oxnard City Council Living Wage Policy, attached as “Exhibit D” to this Agreement, Consultant will pay and/or provide the wages and/or benefits required therein to all of its employees engaged in whole or in part in performing the Services provided for by this Agreement. The Living Wage is updated on July 1 of each year, and the duty to pay the correct wage is the responsibility of the Consultant.

26.PREVAILING WAGE REQUIREMENTS. The payment of State prevailing wages as designated for Ventura County shall apply to public works projects. However, this section shall not apply to work performed on a public works project of twenty-five thousand dollars (\$25,000) or less when the project is for construction, alteration, demolition, installation, or repair work; or to work performed on a public works project of fifteen thousand dollars (\$15,000) or less when the project is for maintenance work. Prevailing

wages are required to be paid to all workers, including subcontracted employees. For further information regarding Prevailing Wage Requirements please refer to “Exhibit E” attached to this Agreement.

- A. To determine if this Agreement is subject to compliance monitoring and enforcement, go to:
<https://www.dir.ca.gov/Public-Works/PublicWorksSB854FAQ.html>
- B. It is unlawful to split, or separate into small portions, work orders, projects, purchases, or public works projects for the purpose of evading these prevailing wage requirements.
- C. In the event that there is a difference between the amount of wages to be paid under the City of Oxnard’s local Living Wage requirements and the requirements of this provision, the wage rate that is the higher of the two shall be applicable to this Agreement. The duty to pay the correct wage is the responsibility of the Consultant.

27. [RESERVED].

28. SUBCONTRACTING. If Consultant requires the assistance of a subcontractor to render any Services under this Agreement, Consultant shall obtain prior written consent from the City before a subcontractor performs any service pursuant to this Agreement. All subcontractors shall be identified in the Scope of Work or Task Order attached to this Agreement as “Exhibit A”. Consultant is fully responsible for satisfactory completion of all its subcontractors’ work. All subcontractors shall be properly licensed and insured; and bonded, if applicable. Consultant shall be responsible for all liabilities regardless of nature, type, or cause, arising out of or resulting from or in connection with subcontractors performance pursuant to this Agreement or subcontractors failure to comply with any of its obligations in connection with this Agreement.

29. CONFLICT OF INTEREST. Consultant covenants that it does not have any interest, nor shall it acquire any interest, directly or indirectly, which would conflict in any manner with the performance of Consultant’s Services under this Agreement. Consultant further covenants that in the performance of Services under this Agreement, no officer, employee or agent of Consultant having such interest shall be employed by it. In the event the City determines that Consultant must disclose its financial interests by completing and filing a Fair Political Practices Commission Form 700, Statement of Economic Interests, Consultant shall file such Form 700 with the City Clerk’s Office pursuant to the written instructions provided by the City Clerk. Acquisition or maintenance of a conflicting interest by Consultant may result in termination of this Agreement by the City.

- 30. DISPUTES.** Except as otherwise provided in these provisions, any dispute concerning a question of fact arising under this Agreement, shall be decided by the City's Designated Representative, who shall reduce this decision to writing and mail a copy to the Consultant. The decision of the City's Designated Representative shall be final and conclusive unless Consultant requests mediation within ten (10) calendar days. Pending final decision of a dispute, the Consultant shall proceed diligently with the performance of the Agreement and in accordance with the decision of the City's Designated Representative.
- 31. DISPUTE RESOLUTION.** Should an unresolved dispute arise out of this Agreement, any Party may request that it be submitted to mediation. The Parties shall meet in mediation within a reasonable time not to exceed forty five (45) days of a request. The mediator shall be agreed to by the mediating Parties. In the absence of an Agreement on a mediator, the Parties shall each submit one name from mediators listed by the American Arbitration Association, the California State Board of Mediation and Conciliation, or other agreed-upon service. The mediator shall be selected by a "blindfold" process. The cost of mediation shall be borne equally by both Parties. Neither Party shall be deemed the prevailing Party. No Party shall be permitted to file a legal action without first meeting in mediation and making a good faith attempt to reach a mediated settlement. The mediation process, once commenced by a meeting with the mediator, shall last until Agreement is reached by the Parties but not more than sixty (60) calendar days, unless the maximum time is extended in writing by both Parties.
- 32. ASSIGNMENT.** This Agreement is for the professional Services of Consultant. Any attempt by Consultant to assign the benefits or burdens of this Agreement without the prior written approval of City shall be prohibited and shall be null and void. Consultant's Services pursuant to this Agreement shall be provided by the Consultant's Designated Representative or directly under his/her supervision, and Consultant shall not assign another to supervise the Consultant's performance of this Agreement without the prior written approval of City, by and through the City's Designated Representative.
- 33. CARE OF WORK.** Should Consultant discover any latent or unknown conditions materially differing from those inherent in the Services or as represented by the City, Consultant shall immediately inform the City of such fact and shall not provide any Services, except at Consultant's risk, until written instructions are received from the Project Manager.
- 34. REPORTS.** Upon request by the Project Manager or as otherwise required by this Agreement, including but not limited to, the Scope of Services or Task Orders set forth

in "Exhibit A", Consultant shall prepare and submit reports to the City concerning Consultant's performance of the Services required by this Agreement.

35. AUDIT. City shall have the option of inspecting, auditing and/or reproducing all records and other written materials used by Consultant in preparing its billings to City as a condition precedent to any payment to Consultant, or for other purposes relating to the Agreement. Consultant will promptly furnish all documents requested by City. Additionally, if this Agreement is in excess of \$10,000, the State Auditor may examine and audit Consultant for a period of 3 years after final payment under the Agreement. Regardless of whether a State audit is permitted, Consultant shall maintain and preserve all such records for a period of at least 3 years after final payment under the Agreement or until an audit has been completed and accepted by City, whichever occurs later. Consultant shall maintain all such records in City or to promptly reimburse City for all reasonable costs incurred in conducting the audit at a location other than in City, including but not limited to expenses for personnel, salaries, private auditor, travel, lodging, meals and overhead. Consultant shall include a copy of this Section in all contracts with its subcontractors, and Consultant shall be responsible for immediately obtaining those records or other written material from its subcontractors upon a request by the State Auditor and/or City.

36. ADVERTISING AND PUBLICITY. Consultant shall not use the name of or refer to City directly or indirectly in any advertisement, news release, or professional or trade publication without prior written approval from the City Manager. This Section shall survive the termination of this Agreement.

37. NONDISCRIMINATORY EMPLOYMENT. Consultant shall not unlawfully discriminate against any individual based on race, color, religion or religious creed, national origin, ancestry, ethnic group identification, primary language, physical disability, mental disability, medical condition, genetic information, marital status, gender, gender identity, gender expression, sex, sexual orientation, age, immigration status, citizenship or military and veteran status. Consultant understands and agrees that it is bound by and will comply with all legal nondiscrimination mandates. For every subcontractor who will perform Services, Consultant shall be responsible for such subcontractor's compliance with this Section.

38. COVENANTS AND CONDITIONS. Each term and each provision of this Agreement to be performed by Consultant shall be construed to be both a covenant and a condition.

39. WAIVER. City's review or acceptance of, or payment for, work product prepared by Consultant under this Agreement will not be construed to operate as a waiver of any

rights City may have under this Agreement or of any cause of action arising from Consultant's performance. A waiver by City of any breach of any term, covenant, or condition contained in this Agreement will not be deemed to be a waiver of any subsequent breach of the same or any other term, covenant, or condition contained in this Agreement, whether of the same or different character.

- 40. FORCE MAJEURE.** Neither the Consultant nor the City shall be responsible for any delay caused by any contingency beyond their control, including, but not limited to, war or insurrection, walkouts by the Party's own employees, fires, natural calamities, riots, or demands or requirements of governmental agencies other than the City.
- 41. GOVERNING LAW.** The terms of this Agreement shall be interpreted according to the laws of the State of California. Should litigation occur, venue shall be in the Superior Court of California, County of Ventura.
- 42. SEVERABILITY.** If any portion of this Agreement is declared by a court of competent jurisdiction to be invalid or unenforceable, then such portion will be deemed modified to the extent necessary in the opinion of the court to render such portion enforceable and, as so modified, such portion and the balance of this Agreement will continue in full force and effect and be enforceable.
- 43. INTEGRATED AGREEMENT.** This Agreement and the attached exhibits referenced herein to this Agreement represent the entire understanding between the Parties. No verbal Agreement or implied covenant shall be held to vary the provisions of this Agreement. This Agreement shall bind and inure to the benefit of the Parties to this Agreement and any subsequent successors and assigns.
- 44. NO THIRD-PARTY BENEFICIARY.** This Agreement shall not be construed to be an Agreement for the benefit of any third-party or parties, and no third party or parties shall have any claim or right of action under this Agreement.
- 45. AUTHORITY TO EXECUTE.** Each Party hereto expressly warrants and represents that the signatories to this Agreement have the authority to execute this Agreement on behalf of its corporation, partnership, business entity, or governmental entity, and warrants and represents that the signatories have the authority to bind each Party to the performance of its obligations hereunder.
- 46. EXECUTION – COUNTERPARTS.** This Agreement may be executed in any number of counterparts and each such duplicate counterpart shall constitute an original, but they shall not be effective nor enforceable unless and until it is executed with the handwritten

signature or electronic signature of an authorized representative of each of the relevant Parties. No counterpart shall be deemed to be an original or presumed delivered unless and until the counterpart executed by the other Party to this Agreement is in the physical possession of the Party seeking enforcement thereof.

47. INCONSISTENT OR CONFLICTING TERMS. In the event of any contradictions or inconsistencies between any attached documents or exhibits incorporated by reference herein and the provisions of the Agreement itself, the terms of the Agreement shall control. Any exhibit that is attached and incorporated by reference shall be limited to the purposes for which it is attached, as specified in this Agreement. Any contractual terms or conditions contained in such exhibit imposing additional obligations on the City are not binding upon the City and City's Designated Representative unless specifically agreed to in writing, and initiated by City's Designated Representative, as to each additional contractual term or condition.

48. CAPTIONS AND HEADINGS. The captions and headings contained in this Agreement are provided for identification purposes only and shall not be interpreted to limit or define the content, scope, or intent of the provisions described under the respective caption or heading.

49. ACKNOWLEDGEMENT. By signing below, Consultant acknowledges that it has reviewed the City's Professional Services Agreement terms and conditions and insurance requirements and that Consultant hereby agrees to full compliance.

[Signatures on next page]

IN WITNESS WHEREOF, the Parties have entered into this Agreement effective on the date as written in Section 4 and upon signature of all Parties.

CITY OF OXNARD

BENDER ROSENTHAL, INC.

☐ Luis A. Mc Arthur, Mayor¹ _____ Date
☐ Jennifer Yates, Purchasing Manager²

Renee Baur, CEO _____ Date

Sheila Bozin, _____ Date
Controller/Board Secretary ³

ATTEST:

Lourdes A. López, City Clerk _____ Date
(only if Mayor authorizes)

APPROVED AS TO FORM:

Stephen M. Fischer, _____ Date
City Attorney (always required)

¹ The City Council must authorize and the Mayor must execute any agreement over \$220,000.

² The Purchasing Agent may execute any authorized agreement up to \$220,000.

³ The City requires the following for any contract:

- For a corporation, the signatures of the Board President, CEO or Vice President and of the Board Secretary, Assistant Secretary, CFO or Assistant Treasurer;

- For an LLC, the signatures of at least two managers of the LLC (company directors, not lower-level managers); or

- For a partnership, the signature of a partner. If the partnership is a limited partnership, the signer must be a general partner.

If the company has a different structure, or if the above-listed persons are not the appropriate signers, please submit to the City Attorney legally-binding documentation stating who can sign and bind your company.

EXHIBIT A

PROFESSIONAL SERVICE AGREEMENT (CITY of Oxnard and Bender Rosenthal, Inc.)

SCOPE OF SERVICES

PROJECT MANAGER: KJ May
TITLE: Construction Project Manager Senior
PHONE: (805) 393-3871
EMAIL: kuo.may@oxnard.org

Professional Service Consultant (Consultant) shall provide governmental real estate services, including but not limited to, property investigations and obtaining preliminary title reports; initial contacts with property owners; preparation and processing of easement, right-of-way, and sale agreements; obtaining real property appraisals; relocation services; property disposition; and such other services as may be required by the City of Oxnard (City). The Consultant shall provide services for various projects which include, but not be limited to, public buildings, housing, public work infrastructure and such other facilities as may be required.

Services shall be provided by the Consultant on projects as authorized and directed by the City under a duly executed and approved Task Order. The task order proposal shall identify a concise schedule for completion of the Work. It is the Consultant's responsibility to determine the best and most cost-effective method to complete the task so that the assigned task order can be completed to the satisfaction of the City. Task orders will be negotiated as a lump sum amount per term based upon the hourly rate fee schedule as agreed to by the City and Consultant for all services and under agreement amount. Task order funds will be encumbered based on quote provided to the City by Consultant per task order. This Scope of Work will allow for additional professional services offered by Consultant and the services noted below shall not be restricted to those directly stated.

Project under this Agreement may involve one or more of the following Municipal Infrastructure Improvements:

- Domestic water distribution system;
- Sanitary sewer collection system;
- Storm drainage collection system;
- Arterial, collector and local streets;
- Transportation system;
- Building and other types of facilities;
- Public park improvements;
- Beach maintenance;
- Seawall and dredge maintenance;

- Railway platform maintenance.

The Scope of Work shall include, but not be limited to the following:

Subcategory 1.1 - Real Property Services

- Perform preliminary property investigations, including obtaining County Assessor information and review of previous correspondence and contacts with the Owner. Review project plans and visit sites with City Staff.
- Obtain and review preliminary title reports.
- Lead good faith negotiations to reach timely, amicable agreements. Be proactive in initial and follow-up contacts with property owners. Respond to the owner's requests for information and others follow through. Receive, review, and transmit information from property owners to the City.
- Obtain and review real property appraisals. Report format will comply with the standards of the Appraisal Institute.
- Perform other real estate consulting services and related matters as requested by the City.

Subcategory 1.2 - Right of Way Acquisition

- Prepare correspondence, diaries, forms, easement, right-of-entry, and/or right-of-way agreements, purchase offers, and deeds.
- Process documents for recordation of easements, agreements, and deeds. Close out files to support State, County, and/or Federal right-of-way certification. Assist with Caltrans certification as necessary.
- Contact and negotiate with lessees and handle any necessary subordination.
- Attend periodic coordination and other project meetings as necessary.
- Assure compliance with agreements during construction.
- Perform other right-of-way consulting services and related matters as requested by the City.

City of Oxnard

Insert Department Name

305 West Third Street, East Wing Oxnard, California 93030

TASK ORDER

All Task Orders must include a copy
of the vendor proposal/estimate

Task Order No.:	Agreement No.:
Task Order NTE Amount:	Agreement NTE Amount:
City Purchase Order No.:	Agreement Type:
Agreement Expiration Date:	
Prime Consultant:	Subconsultant(s):

PROJECT TITLE OR SPECIFICATION NO.:

PROJECT DESCRIPTION:

DESCRIPTION OF SERVICES TO BE PERFORMED UNDER THIS TASK ORDER:

TIME FOR COMPLETION OF SERVICES UNDER THIS TASK ORDER:

COMPENSATION FOR SERVICES SHALL NOT EXCEED THE TASK ORDER NTE AMOUNT.

City Project Manager:

Consultant Project Manager:

Services under this Task Order shall not proceed until this Task Order is executed by the City and Consultant and the City issues a Notice to Proceed. This Task Order may only be modified in writing and subject to City approval. Consultant shall not exceed the scope of the task order or NTE amount.

City of Oxnard

[Consultant]

[designated rep] Date

[Name & Title] Date

Insert Department
Assistant Director/Director Date

[Name & Title] Date

For internal City Use Only

Account Number and Project Number	Example 1011234-53200-CXXXX
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EXHIBIT B

PROFESSIONAL SERVICE AGREEMENT (CITY of Oxnard and Bender Rosenthal, Inc.)

SCHEDULE OF COMPENSATION

Principal Project Manager	\$258/hr.
Senior Project Manager	\$232/hr.
Project Manager	\$196/hr.
Assistant Project Manager	\$155/hr.
Sr. Designated Member (MAI/SRA/AI-GRS/ARA)	\$227/hr.*
Designated Member (MAI/SRA/AI-GRS/ARA)	\$201/hr.*
Senior Appraiser	\$181/hr.
Appraiser	\$155/hr.
Senior Right of Way Specialist	\$181/hr.
Senior Acquisition Agent	\$155/hr.
Acquisition Agent	\$124/hr.
Senior Project Coordinator	\$140/hr.
Project Coordinator	\$103/hr.
Senior Land Agent	\$129/hr.
Land Agent	\$103/hr.
Researcher	\$ 93/hr.
Administrative Support II	\$ 88/hr.
Administrative Support I	\$ 73/hr.

***NOTE:** For court or briefing preparation, depositions, any pre-trial conferences, court appearances, and related activities, the hourly rate is \$450.

Valuation Services, including appraisals, appraisal reviews, and waiver valuations will be billed as lump sum services with the fee determined upon receipt of the scope of work.

Subconsultant Invoices will be marked up by 5% for processing services.

Mileage/Postage at cost.

APPRAISAL UNIT FEES - INCLUDES ALL ODC		
Property Type	Low Cost	High Cost
Single Family Property	\$3,500	\$4,800
Multi Family Property	\$4,500	\$5,500
Commercial Property	\$4,500	\$5,500
Industrial Property	\$4,500	\$5,500
Agricultural Land	\$4,000	\$5,500
Vacant Property	\$3,200	\$5,000
Special Use Property	\$4,500	\$6,500
Railroad Property	\$6,000	\$7,500
Restricted Appraisal	\$2,800	\$4,000
Waiver Valuation	\$2,000	\$2,400
Independent Appraisal Review (Subconsultant)	\$1,500	\$2,500

NOTE: The above ranges represent an average. Should an appraisal assignment be exceptionally complex, or require extensive damage analysis, BRI would negotiate a separate fee for services.

ACQUISITION UNIT FEES	
Item Description	Cost
Permit to Enter / Right of Entry	\$1,200
Permit to Enter and Construct	\$1,800
Lease / License	\$2,000
Joint Use Agreement	\$2,000
Temporary Construction Easement	\$3,200
Partial Acquisition	\$3,500
Full Acquisition	\$3,500

OTHER ROW SERVICES - BASE UNIT FEES	
Item Description	Cost
Preliminary Title Report	\$900
Right of Way Estimate / Data Sheet	\$5,000
Escrow	\$1,200
Right of Way Certification	\$2,500

MILESTONE BILLING - TCE	
Item Description	Cost
Offer Package Sent	\$1,350
Sixty (60) days or when an agreement is reached, whichever is sooner	\$1,350
Final project closeout; files transmitted	\$500

MILESTONE BILLING - ACQUISITION	
Item Description	Cost
Offer Package Sent	\$1,500
Sixty (60) days or when an agreement is reached, whichever is sooner	\$1,500
Final project closeout; files transmitted	\$500

Project Management, Condemnation Support or Extended Escrow will be billed as Time & Materials.
 Subconsultant Invoices will be marked up by 5% for processing services.
 Those added fees are included here.

MILESTONE BILLING - ESCROW	
Item Description	Cost
Funds deposited into escrow	\$600
Escrow Closes	\$600

EXHIBIT C

PROFESSIONAL SERVICES AGREEMENT (CITY of Oxnard and Bender Rosenthal, Inc.)

INSURANCE REQUIREMENTS

Prior to contract approval and beginning of services under this agreement, Consultant must procure, agree to maintain and supply evidence of insurance at the levels listed and in accordance with the other provisions listed in this document.

[SEE NEXT PAGES]

**INSURANCE REQUIREMENTS FOR CONSULTANTS
(WITH ERRORS AND OMISSIONS REQUIREMENT)**

1. Consultant shall obtain and maintain during the performance of any services under this Agreement the following insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of services hereunder by Consultant, its agents, representatives, employees or subconsultants.

a. Commercial General Liability Insurance, including Contractual Liability, in an amount not less than \$1,000,000 combined single limit for bodily injury and property damage for each claimant for general liability with coverage equivalent to Insurance Services Office Commercial General Liability Coverage (Occurrence Form CG 0001). If a general aggregate limit is used, that limit shall apply separately to the project or shall be twice the occurrence amount;

b. Business automobile liability insurance in an amount not less than \$1,000,000 combined single limit for bodily injury and property damage for each claimant for automobile liability with coverage equivalent to Insurance Services Office automobile liability coverage (Occurrence Form CA0001) covering Code No. 1, "any auto;"

c. Professional liability/errors and omissions insurance appropriate to Consultant's profession to a minimum coverage of \$1,000,000, with neither Consultant nor listed subconsultants having less than \$500,000 individually. The professional liability/errors and omissions insurance must be project specific with at least a one year extended reporting period, or longer upon request.

d. Workers' compensation insurance in compliance with the laws of the State of California, and employer's liability insurance in an amount not less than \$1,000,000 per claimant. Additionally, the workers' compensation policy shall include a waiver of all rights of subrogation which the insurer may have against the City.

2. Consultant shall, prior to performance of any services, file with the Risk Manager certificates of insurance with original endorsements effecting coverage required by this Exhibit INS-A. The certificates and endorsements for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. The certificates and endorsements are to be on the attached forms or on other forms approved by the Risk Manager. All certificates and endorsements are to be received and approved by the Risk Manager before commencement of services. City reserves the right to require complete certified copies of all required insurance policies at any time. The certificates of insurance and endorsements shall be sent via email. If you have not received your request or are having difficulty with electronic upload, contact insurance@oxnard.org

3. Consultant agrees that all insurance coverages shall be provided by a California admitted insurance carrier with an A.M. Best rating of A:VII or better and shall be endorsed to state that coverage may not be suspended, voided, canceled, or reduced in coverage or limits without 30 days' prior written notice to the Risk Manager. The Risk Manager shall not approve or accept any endorsement if the endorsement contains "best effort" modifiers or if the insurer is relieved from the responsibility to give such notice.

4. Consultant agrees that the commercial general liability and business automobile liability insurance policies shall be endorsed to name City, its City Council, officers, employees, agents and volunteers as additional insureds as respects: liability arising out of activities performed by or on behalf of Consultant; products and completed operations of Consultant; premises owned, occupied or used by Consultant; or automobiles owned, leased, hired or borrowed by Consultant. The coverage shall contain no special limitations on the scope of protection afforded to City, its City Council, officers, employees, agents and volunteers. The General Liability Special Endorsement Form and Automobile Liability Special Endorsement Form attached to this Exhibit INS-A or substitute forms containing the same information and acceptable to the Risk Manager shall be used to provide the endorsements (ISO form CG 2010 11/85 or if not available, CG 2010 with an edition date prior to 01/04 and CG 2037).

5. The coverages provided to City shall be primary and not contributing to or in excess of any existing City insurance or self-insurance coverages (this must be endorsed). Additionally, the workers' compensation policy shall include a waiver of all rights of subrogation which the insurer may have against the City. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to City, its City Council, officers, employees and volunteers. The insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

6. The insurer shall declare any deductibles or self-insured retentions to and be approved by the Risk Manager. At the option of the Risk Manager, either the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects City, its City Council, officers, employees and volunteers, or the Consultant shall procure a bond guaranteeing payment of losses and related investigations, claim administration and defense expenses.

7. All insurance standards applicable to Consultant shall also be applicable to Consultant's subconsultants. Consultant agrees to maintain appropriate agreements with subconsultants and to provide proper evidence of coverage upon receipt of a written request from the Risk Manager.

1/23

INSTRUCTION FOR SUBMITTING INSURANCE CERTIFICATES AND ENDORSEMENT FORMS

Certificates of Insurance

The sample accord form on the following page is provided to facilitate your preparation and submission of certificates of insurance. You may use this or any industry form that shows coverage as broad as that shown on the attached sample. **Please note the certificate holder address must be as shown on the attached sample accord form with the contract number and insurance exhibit identification information completed.** Improperly addressed certificates may delay the contract start-up date because the City's practice is to return unidentifiable insurance certificates to the insured for clarification as to the contract number. **Cancellation provisions must be endorsed to the policy. Modifying the certificate does not change coverage or obligate the carrier to provide notice of cancellation.**

Endorsement Forms

Original endorsements are required for commercial general liability and business automobile liability insurance policies and must be attached to the applicable certificate of insurance. City preference is that the Consultant/insurer use the endorsement forms which are attached. Substitute forms will be accepted, however, as long as they include provisions comparable to the sample accord form.

INS-A.doc

ACORD CERTIFICATE OF INSURANCE					ISSUE DATE (MM/DD/YY)
PRODUCER		THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.			
CODE	SUB-CODE	COMPANIES AFFORDING INSURANCE COVERAGE			
INSURED		COMPANY LETTER A SPECIFY COMPANY NAMES IN THIS SPACE			
		COMPANY LETTER B			
COVERAGES THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.					
CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
A	GENERAL LIABILITY [x] COMMERCIAL GENERAL LIABILITY [] CLAIMS MADE [x] OCCUR. [x] OWNER'S & CONTRACTOR'S PROT.				GENERAL AGGREGATE \$1,000,000 PRODUCTS COMP/OP AGG. \$1,000,000 PERSONAL & ADV. INJURY \$1,000,000 EACH OCCURRENCE \$1,000,000 FIRE DAMAGE (Any one fire) \$ MED. EXPENSE (Any one person) \$
A	AUTOMOBILE LIABILITY [x] ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS HIRED AUTOS NON-OWNED AUTOS GARAGE LIABILITY				COMBINED SINGLE LIMIT \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE \$
A	EXCESS LIABILITY UMBRELLA FORM OTHER THAN UMBRELLA FORM				EACH OCCURRENCE \$ AGGREGATE \$
A	WORKERS' COMPENSATION AND EMPLOYERS' LIABILITY				STATUTORY LIMITS EACH ACCIDENT \$1,000,000 DISEASE-POLICY LIMIT \$1,000,000 DISEASE-EACH EMPLOYEE \$1,000,000
A	OTHER Errors and omissions insurance or malpractice insurance available for the insured's profession				Minimum coverage \$1,000,000 Each consultant/ & listed sub-consultant \$500,000
DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/RESTRICTIONS/SPECIAL ITEMS					
CERTIFICATE HOLDER CITY OF OXNARD % Evident ID, Inc. 8520 Allison Pointe Blvd. Ste 223 PMB 5210 Indianapolis, Indiana 46250-4299 US			CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.		
			AUTHORIZED REPRESENTATIVE		

Rev 1/23

INS-A doc

INS-A.doc

EXHIBIT D

PROFESSIONAL SERVICES AGREEMENT (CITY of Oxnard and Bender Rosenthal, Inc.)

LIVING WAGE POLICY

Pursuant to the Living Wage Policy adopted July 9, 2002 by the City Council and effective October 1, 2002, the City Manager and City Attorney are directed to include the following language in all standard Consultant/Professional Services contracts that may be governed by the Living Wage Policy.

- A. Consultant shall compensate any employee of Consultant who provides Services under this Agreement in accordance with the Living Wage Policy, attached hereto and incorporated herein by reference as the Living Wage Policy Exhibit. While this Agreement is in effect, Consultant shall pay such employee no less than \$20.06 per hour for each hour that such employee provides Services under this Agreement. In addition, while this Agreement is in effect, Consultant shall provide to such employee no less than 96 hours of paid leave per calendar year.
- B. Consultant agrees to post, at a location readily accessible to those employees providing Services to the City, a copy of the Living Wage Policy adopted by City Council on July 9, 2002 and effective October 1, 2002.
- C. If Consultant fails to compensate such employee pursuant to the Living Wage Policy, the City Manager or designee shall terminate this Agreement on written notice to Consultant, effective immediately.
- D. In addition, if Consultant fails to comply with the Living Wage Policy in any manner, Consultant shall pay to City a fine of \$500 and shall pay to any employee providing Services under this Agreement a penalty of three times the amount or value of the compensation owed to such employee under the Living Wage Policy. Consultant shall pay such fine and penalty within fifteen (15) calendar days after the City Manager or designee provides written notice to Consultant of the amount owed.

**CITY OF OXNARD LIVING WAGE REQUIREMENTS
EFFECTIVE JULY 1, 2025**

Consultant shall compensate any employee of Consultant who provides Services under this Agreement in accordance with the Living Wage Policy, attached hereto and incorporated herein by reference as Exhibit D. While this Agreement is in effect, Consultant shall pay such employee no less than \$20.06 per hour for each hour that such employee provides Services under this Agreement. This hourly rate shall be adjusted on July 1, 2026, and each July 1 thereafter, according to the percentage change in the Consumer Price Index, all items, prepared by the Bureau of Labor Statistics for the Los Angeles area relating to all urban consumers (CPI-U), index base 1982-84=100, comparing May of the previous year to May of the current year. In addition, while this Agreement is in effect, Consultant shall provide to such employee no less than 96 hours of paid leave per calendar year.

a. Consultant agrees to post, at a location readily accessible to those employees providing Services to the City, a copy of the Living Wage Policy adopted by the Oxnard City Council on July 9, 2002 and effective October 1, 2002.

b. If Consultant fails to compensate such employee pursuant to the Living Wage Policy, the City Manager or designee shall terminate this Agreement on written notice to Consultant, effective immediately.

c. In addition, if Consultant fails to comply with the Living Wage Policy in any manner, Consultant shall pay to City a fine of \$500 and shall pay to any employee providing Services under this Agreement a penalty of three times the amount or value of the compensation owed to such employee under the Living Wage Policy. Consultant shall pay such fine and penalty within fifteen (15) calendar days after the City Manager or designee provides written notice to Consultant of the amount owed.

EXHIBIT E

PROFESSIONAL SERVICES AGREEMENT (CITY of Oxnard and Bender Rosenthal, Inc.)

PREVAILING WAGE

1. Consultant acknowledges that the Project defined in the Agreement between Consultant and City is a “public work” as defined in Division 2, Part 7, Chapter 1 of the California Labor Code (“Chapter 1”), and that this Agreement is subject to Chapter 1 and the rules and regulations established by the Director of Industrial Relations (“DIR”) implementing such statutes. Consultant shall perform the Project as a public work. Consultant shall comply with and be bound by all the terms, rules and regulations described in Chapter 1 and the DIR’s rules and regulations as though set forth in full herein.
2. Pursuant to Labor Code Section 1773.2, copies of the prevailing rate of per diem wages for each craft, classification, or type of worker needed to perform the Agreement are on file at City Hall and will be made available to any interested party on request. Consultant acknowledges receipt of a copy of the DIR determination of such prevailing rate of per diem wages, and Consultant shall post such rates at each job site covered by this Agreement.
3. Consultant is required to post job site notices, as prescribed by regulation. See Labor Code Section 1771.4(a)(2).
4. Consultant shall comply with and be bound by the provisions of Labor Code Sections 1774 and 1775 concerning the payment of prevailing rates of wages to workers and the penalties for failure to pay prevailing wages. Consultant shall, as a penalty to City, forfeit not more than \$200 for each calendar day or portion thereof for each worker paid less than the DIR’s determined prevailing rates for the work or craft in which the worker is employed pursuant to this Agreement by Consultant or any subcontractor. The Labor Commissioner shall determine the amount of the penalty as described in Section 1775.
5. Consultant shall comply with Labor Code Section 1776, which requires Consultant and each subcontractor to (1) keep accurate payroll records and verify such records in writing under penalty of perjury, (2) certify and make such payroll records available for inspection, and (3) inform City of the location of the records.
6. Consultant shall comply with Labor Code Sections 1777.5, 1777.6 and 1777.7 and California Administrative Code Title 8, Section 200 et seq. concerning the employment of apprentices on public works projects for all apprenticeable occupations. Before commencing work under this Agreement, Consultant shall provide City with a copy of the information submitted to any applicable apprenticeship program. Within 60 days after concluding the Project, Consultant and each of its subcontractors shall submit to City a verified statement of the journeyman and apprentice hours performed under this Agreement.

7. Consultant may not be debarred or suspended throughout the Agreement Term pursuant to Labor Code Section 1777.1 or 1777.7. If he, she or it becomes debarred or suspended in the Agreement Term, Consultant must immediately notify City.
8. Consultant is not qualified to bid on, be listed in a Bid proposal, or engage in the performance of any contract for public work, as defined in Labor Code Sections 1720 through 1861, unless currently registered and qualified to perform public work pursuant to Labor Code Section 1725.5. Consultant shall continue without interruption to stay registered and qualified to perform public work pursuant to Section 1725.5 for the duration of the term of this Agreement. This provision does not apply to construction, alteration, demolition, installation or repair work of \$25,000 or less or to maintenance work of \$15,000 or less.
9. Consultant acknowledges that 8 hours labor constitutes a legal day's work. Consultant shall comply with and be bound by Labor Code Section 1810.
10. Consultant shall comply with and be bound by Labor Code Section 1813 concerning penalties for workers who work excess hours. Consultant shall, as a penalty to City, forfeit \$25 for each worker employed in the performance of this Agreement by Consultant or by any subcontractor for each calendar day during which such worker is required or permitted to work more than 8 hours in any calendar day and 40 hours in any one calendar week in violation of the provisions of Division 2, Part 7, Chapter 1, Article 3 of the Labor Code. Pursuant to Labor Code Section 1815, work performed by Consultant's employees in excess of 8 hours per day and 40 hours per week shall be permitted upon public work upon compensation for all hours worked in excess of 8 hours per day at not less than 1 ½ times the basic rate of pay.
11. The Project listed in the Agreement is subject to compliance monitoring and enforcement by the DIR.
12. Consultant shall be responsible for each and every one of its subcontractors' compliance with Chapter 1, the DIR's rules and regulations, and Labor Code Sections 1860 and 3700. Consultant shall include in the written contract between it and each subcontractor a copy of, and a requirement that each subcontractor shall comply with, those statutory provisions. Consultant shall be required to take all actions necessary to enforce such contractual provisions and ensure subcontractors' compliance, including without limitation, conducting a periodic review of the certified payroll records of each subcontractor, and upon becoming aware of the failure of the subcontractor to pay its workers the specified prevailing rate of wages, Consultant shall diligently take corrective action to halt or rectify any failure.
13. To the maximum extent, Consultant shall hold harmless, defend (with counsel approved by the City Attorney) and indemnify City, its legislative bodies, and its officials, officers, employees and agents from any demand or claim for damages, compensation, fines, penalties or other amounts arising out of or incidental to any acts or omissions listed

above by any person or entity (including Consultant, its subcontractors, and each of their officials, officers, employees and agents) in connection with any work undertaken or in connection with the Agreement, including without limitation the payment of all attorneys' fees and other related costs. All duties of Consultant under this Section shall survive Agreement termination.

**ON-CALL PROFESSIONAL SERVICES AGREEMENT
BETWEEN
THE CITY OF OXNARD AND CLARK LAND RESOURCES, INC.**

By This On-Call Professional Services Agreement ("Agreement"), the City of Oxnard ("City") agrees to engage the Services of Clark Land Resources, Inc. ("Consultant"), and Consultant agrees to perform the Services for City as herein described, for the compensation, during the term, and otherwise subject to the covenants and conditions herein set forth. City and Consultant may be individually referred to as "Party" or collectively as the "Parties."

1. [INTENTIONALLY OMMITED].

2. SUMMARY DESCRIPTION OF SERVICES.

Professional Service Consultant (Consultant) shall provide governmental real estate services, including but not limited to, property investigations and obtaining preliminary title reports; initial contacts with property owners; preparation and processing of easement, right-of-way, and sale agreements; obtaining real property appraisals; relocation services; property disposition; and such other services as may be required by the City of Oxnard (City). The Consultant shall provide services for various projects which include, but not be limited to, public buildings, housing, public work infrastructure and such other facilities as may be required.

The Services to be performed pursuant to this agreement will be limited to the particular professional services that are identified in the Scope of Services, attached hereto as Exhibit A. Consultant has been prequalified to perform the particular services required by the City and the City shall issue Task Orders describing the particular project or services required by the City to the prequalified consultants and consultants shall submit a responsive proposal to the City's Project Manager.

Consultant is not be the exclusive provider of services to the City. The City does not guarantee a specified amount of work under this on-call agreement.

3. PARTIES.

City of Oxnard, a general law and municipal corporation of the State of California, located at 300 West Third Street, Oxnard California 93030.

Clark Land Resources, Inc. a corporation of the State of California, located at 10065 Old Grove Rd, Suite 200, San Diego, CA 92131.

4. TERM OF AGREEMENT: From: October 9, 2025 To: October 8, 2026

- A. Time is of the essence in this Agreement
- B. The City shall have the option to exercise (4) consecutive (1) one-year term extensions, in accordance with the scope of work and terms and conditions of this Agreement. Any price negotiations, if allowed, shall be negotiated at the time of contract extension.
- C. This Agreement shall not exceed a total of five (5) years (including the initial term and any options to extend). The City in its sole discretion may exercise the option terms upon sixty (60) days written notice to the Consultant (or any other time if the parties so agree) in accordance with Section 12 of this Agreement. The option term shall be commenced by an amendment to this agreement.
- D. All Services required of Consultant under this Agreement shall be completed on or before the end of the term of the Agreement.

5. AGREEMENT AMOUNT NOT TO EXCEED: \$500,000.00 ¹

6. AGREEMENT EXHIBITS. The following documents memorialized below are the only exhibits to this Agreement and are incorporated by reference as though fully set forth herein. In the event of a conflict between the Exhibits and this Agreement, the Agreement controls.

- Exhibit A: Scope of Services and Task Order Template
- Exhibit B: Schedule of Compensation
- Exhibit C: Insurance Requirements: City Insurance Exhibit INS-A
- Exhibit D: Living Wage Policy
- Exhibit E: Prevailing Wage Policy

7. DESIGNATED REPRESENTATIVES. The Designated Representatives listed below shall be authorized to act on behalf of the named Party, be responsible for negotiations and contractual matters, and coordinate with each other to perform the Services under this Agreement. Additionally, Consultant's Services shall be performed or immediately supervised by the Consultant's Representative:

¹ This is not a guaranteed dollar amount. No services or work performed pursuant to a Task Order shall exceed the "Not to Exceed" Amount of the Contract or the agreed upon amount stated in the Task Order.

City Designated Representative Name: KJ May Title: Construction Project Manager Senior Phone: 805-393-3871 Email: kuo.may@oxnard.org Address: 305 West Third Street, East Wing, Second Floor, Oxnard, CA 93030	Consultant Designated Representative Name: Shad Thielman Title: Project Manager Phone: (858) 349-6664 Email: shad.thielman@clarklandresources.com Address: 10065 Old Grove Rd, Suite 200, San Diego, CA 92131
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8. CONTRACTUAL PREREQUISITIES. This Agreement must first be executed by the Consultant, after which the Agreement shall be approved as to form by the City Attorney, then executed by the Mayor, or an authorized person on behalf of the City, and if executed by the Mayor shall also be executed by the City Clerk.

- A. Consultant is advised that any recommendation for Agreement award is not binding on City until the Agreement is fully executed and approved by the City.
- B. All proof of a City tax certificate, insurance, and W-9 forms is required prior to execution of this Agreement.
- C. Consultant shall not perform any work under this Agreement until a proof of insurance has been provided to the City as required under Section 24 of this Agreement.

9. CONSULTANT'S SERVICES.

- A. Consultant shall perform only the type or category of services as set forth in the "Scope of Services," and pursuant to the information contained in the Task Orders issued pursuant to this agreement.
- B. Task Orders may only be modified in writing by the City's Project Manager or Designated Representative.
- C. The Services issued pursuant to a Task Order shall be coordinated with the designated City Project Manager set forth in Exhibit A and are subject to the direction of the City Manager or Department Director. Consultant hereby designates as its Project Manager, the individual identified in Section 7 of this Agreement, as the person responsible for the Services who shall coordinate with City's Project Manager in executing the Scope of Services and Task Order(s) under this Agreement.
- D. Under no circumstances shall the Consultant exceed the amount stated in the City's Task Order or perform additional work or services that are not included in the Task Order

10. COMPENSATION. City shall pay Consultant for the Services performed pursuant to the terms of this Agreement and based on the hourly rates and fees set forth in the "Schedule of Compensation," attached to and incorporated into this Agreement as "Exhibit B." Consultant's compensation shall not to exceed amount stated in the Task Order. Under no circumstances shall the Consultant perform work in excess of the amount stated in the Task Order or the not to exceed amount listed in Section 5 of this Agreement. Once this Agreement is executed, the Schedule of Compensation may only be modified by written Amendment pursuant to Section 13 of this Agreement, and may be subject to approval by the City Council.

- A. The maximum not to exceed amount for any individual Task Order issued pursuant to this Agreement shall be \$100,000.00 per Task Order or \$200,000, if the Task Order is associated with an identified and approved Capitol Improvement Project.
- B. Annual Rate and Fees adjustments must be requested in writing and shall not exceed 3% and are subject to approval by the City. Annual adjustments shall apply to Task Orders issued after the adjustment is approved and not retroactively to in progress Task Orders.

11. PAYMENT and INVOICES. The City shall pay all undisputed portions of any applicable invoice within thirty (30) days after receipt of an invoice. In the event the City disputes one or more items in an invoice, the City shall, within thirty (30) days after receipt of such invoice, notify the Consultant of the item(s) being disputed and the reason(s) therefore. The City may withhold payment for such disputed items until resolution of the dispute.

- A. Payment Request. Consultant shall submit a payment request to CITY by the end of each calendar month listing the Services provided, costs of those Services, and total amount due for the month. Invoices may be emailed to: pwinvoices@oxnard.org.
- B. Consultant's acceptance of final payment made pursuant to this Agreement shall constitute a release of City from all claims and liabilities for compensation to Consultant for anything completed, finished or relating to the Services. City's payment shall not constitute nor be deemed a release of the responsibility and liability of Consultant for the accuracy and competency of the information provided and/or the Services performed hereunder, nor shall such payment be deemed to be an assumption of responsibility or liability by City for any defect or error in the Services performed by Consultant and its employees, agents and subcontracted Consultants.
- C. Consultant shall provide City with a completed Request for Taxpayer Identification Number and Certification, as issued by the Internal Revenue Service. If any sales tax is due for the Services performed by Consultant or

materials or products provided to City by Consultant, Consultant shall pay the sales tax. City shall not reimburse Consultant for sales taxes paid by Consultant.

- D. **Non-Appropriation of Funds.** Payments to be made to Consultant by City for the Services performed within the current fiscal year are within the current fiscal budget and within an available, unexhausted and unencumbered appropriation of City. In the event City does not appropriate sufficient funds for payment of the Services beyond the current fiscal year, this Agreement shall cover payment for the Services only up to the conclusion of the last fiscal year in which City appropriated sufficient funds and shall automatically terminate at that fiscal year's conclusion.

12. OPTION TO EXTEND AGREEMENT. When in the City's best interest, this Agreement may only be extended, if the City, in its discretion, exercises an option term in accordance with Section 4 subparagraphs (B) and (C) of this Agreement. The initial term, plus any option to extend shall not exceed a total of five (5) years. **If no option to extend the Agreement appears in section 4(B), then this Agreement shall not be extended.**

13. MODIFICATION OF AGREEMENT. This Agreement may be amended, modified, or otherwise altered, or its provisions waived, only upon mutual consent of the Parties by written amendment. The City may request that the Consultant perform Extra Services. As used herein, "Extra Services" means any services, which are determined by the City to be necessary for the proper completion of the project, but which the Parties did not reasonably anticipate would be necessary at the execution of this Agreement or any Task Order issued under this Agreement. A written amendment signed by both Parties shall be required to authorize performance of and payment for Extra Services under this Agreement or Task Order.

14. TERMINATION OF AGREEMENT. City may terminate this Agreement at any time, with or without cause and without penalty, upon fifteen (15) calendar days' prior written notice pursuant to Section 22 of this Agreement. Such termination shall be effective on the date specified in the notice, or if no date is specified, then fifteen (15) calendar days from the date of the notice. City shall be liable to Consultant only for work done by Consultant up to and including the date of termination of this Agreement unless the termination is for cause, in which event Consultant need be compensated only to the extent required by law. Consultant may terminate this Agreement at any time during the term of the Agreement by giving the City sixty (60) calendar days' prior written notice.

15. [RESERVED].

16. INDEPENDENT CONTRACTOR. Consultant is and shall at all times remain, as to City, a wholly independent contractor. Neither City nor any of its employees or agents shall have control over the conduct of Consultant or any of its employees, except as stated in this Agreement. Consultant has and shall retain the right to exercise full control over the employment, direction, means of performance, location, compensation and discharge of all persons assisting Consultant. This Agreement shall not be interpreted to prevent or preclude Consultant from rendering any Services for Consultant's own account or to any other person or entity as Consultant in its sole discretion shall determine; provided, however, that performing such Services shall not materially interfere with the Services the Consultant shall perform for the City. The City retains the right to provide general instructions to and observe the Consultant in the performance of all Services done on behalf of the City.

Consultant and its employees, subconsultants, and agents have no authority, express or implied, to act on behalf of City in any capacity, to incur any debt, obligation or liability on behalf of City, bind City in any manner, or otherwise act on behalf of City as an agent. Consultant and its employees are not employees of City. Consultant and its employees are not entitled to receive from City any of the benefits or rights afforded employees of City, including but not limited to reserve leave, sick leave, vacation leave, holiday leave, compensatory leave, Public Employees Retirement System benefits, and health, life, dental, long-term disability and workers' compensation insurance benefits. Consultant shall not, at any time or in any manner, represent that it or any of its agents, subconsultants, or employees are in any manner agents, subconsultants, or employees of City.

17. LAWFUL PERFORMANCE. Consultant shall abide by all federal, state, and local laws and regulations as may be related to the performance of duties under this Agreement. Consultant, at its sole expense, shall obtain and maintain during the term of this Agreement, all appropriate permits, licenses, and certificates that may be required in connection with the performance of Services under this Agreement.

18. SAFETY REQUIREMENTS. Consultant shall not perform any Services for the City when the Consultant is impaired by alcohol or a controlled substance. When there is reasonable cause to believe that any person has violated this provision, that person shall be immediately removed from the premises and be subject to any applicable civil and/or criminal penalties under the City's Code and/or under state law. All work performed under this Agreement shall be performed in such a manner as to provide safety to the public. The City reserves the right to issue restraining or cease and desist orders to Consultant when unsafe or harmful acts are observed or reported relative to the performance of the work under this Agreement. The acceptance of Consultant's work

by City shall not operate as a release of the Consultant from such standard of care and workmanship.

19. STANDARD OF PERFORMANCE; WARRANTY. Consultant agrees to perform all Services required by this Agreement in a professional and competent manner, in accordance with the degree of skill and diligence which is normally employed by reputable professionals performing similar Services under similar conditions in the same or similar locality. Such Services shall also be performed in a manner which is reasonably satisfactory to City Project Manager, or designee (hereinafter the "Project Manager"), provided that discretion in determining what is satisfactory shall not alter the foregoing standard of care.

- A. In accordance with the standard of care set forth in the first sentence of Section 19, the Consultant agrees that it:
 - (1) Has thoroughly reviewed and considered the services and work to be performed; and
 - (2) Has reviewed the issues regarding the Scope of Services and Task Orders to be provided; and
 - (3) Has carefully considered how the services and related work should be performed; and
 - (4) Fully understands the facilities, difficulties and restrictions associated with performance of the services required by this Agreement.

20. OWNERSHIP OF CONSULTANT'S WORK PRODUCT, CONFIDENTIALITY & DISCLOSURE, RECORDS & WARRANTY. City shall be the owner of any and all technical documents and records, including, computations, plans, correspondence, and/or other pertinent data and information, both hard copy and electronic, gathered or prepared by Consultant in performance of this Agreement and shall be entitled to immediate possession of the same upon completion of the work under this Agreement, or at any earlier or later time when the same may be requested by City.

- A. Ownership of Documents. Every report, draft, work product, map, record, and other document reproduced, prepared, or caused to be prepared by the Consultant pursuant to or in connection with this Agreement shall be the exclusive property of the City.
- B. Deliverables. Consultant shall deliver to the City the studies, plans, specifications, or other documents as are identified in the Scope of Services or Task Order; and Consultant shall, upon completion of all work or termination of this Agreement, submit to the City all information developed in the course of the Consultant 's services. Consultant shall, in such time and in such form as the City may require, furnish reports concerning the

status of Services required under this Agreement. Consultant shall, upon request by City and upon completion or termination of this Agreement, deliver to the City all material furnished to Consultant by the City.

- C. Records and Inspections. The Consultant shall maintain full and accurate records, with respect to all Services and matters covered under this Agreement. Books and records pertaining to costs shall be kept and prepared in accordance with generally accepted accounting principles. The City shall have free access at all reasonable times to such records, both hard copy and electronic, and the right to examine and audit the same and to make transcripts therefrom, and to inspect all program data, documents, proceedings, and activities.
- D. Confidentiality. Information that is exempt from disclosure to the public is confidential. This includes information relating to the past, present, or future affairs of the City or information belonging to a third party whose information is in the City's possession or control under obligations of confidentiality. Consultant may be granted access to information that is exempt from disclosure to the public (Government Code Section 7920.505) and may contain "trade secrets" (see Government Code Section 7924.510(f)) when it is necessary for Consultant to perform its obligations pursuant to this Agreement. If Consultant is granted such access to confidential information, Consultant shall not be considered to be a member of the public as that term is used in Government Code Section 7920.515.
- E. Disclosure of Information. Consultant shall not disclose, publish, or authorize others to disclose or publish, design data, drawings, specifications, reports, or other information pertaining to the projects assigned to Consultant by the City or other information to which the Consultant has had access during the term of this Agreement without the prior written approval of the City's Designated Representative during the term of this Agreement and for a period of two (2) years after the termination of this Agreement.
- F. No Warranty. Other than an obligation upon the City to deal in good faith, the City makes no warranties and shall bear no liability or responsibility for errors or omissions in any Confidential Information disclosed under this Agreement or for any business decisions made by Consultant in reliance on any Confidential Information disclosed under this Agreement.

21. NOTICE OF BREACH AND OPPORTUNITY TO CURE. Neither Party will be in breach of this Agreement where the breach is capable of being cured, or until written notice of the breach is received from the non-breaching Party. The Party charged with breach will have fifteen (15) calendar days from the date of receiving such notice in which to cure the breach or otherwise respond. If the circumstances leading to the charge that the

Agreement was breached have not been cured or explained to the satisfaction of the other Party within fifteen (15) days from the date on which the breaching Party received notice of breach, the non-breaching Party may terminate this Agreement. Notice shall be given in the manner set forth in section 22.

22. NOTICE. All notices given or required to be given pursuant to this Agreement shall be in writing and may be given by personal delivery or by first-class mail. Notice sent by mail shall be addressed to each Party's Designated Representative as set forth above in Section 7. When addressed in accordance with this Section, such notice shall be deemed given upon deposit in the United States mail, postage prepaid. In all other instances, notices shall be deemed given at the time of actual delivery. Changes may be made in the names or addresses of persons to whom notices are to be given by giving notice in the manner prescribed in this Section.

23. INDEMNIFICATION, HOLD HARMLESS & DEFENSE. Except as set forth in Subsection A of this Section 23, and to the fullest extent permitted by law, Consultant shall immediately defend, indemnify, and hold harmless the City, its officers, employees, representatives, and agents (the "City Indemnitees"), from and against those actions, suits, proceedings, claims, demands, losses, costs, and expenses, including legal costs and reasonable attorneys' fees, for any personal injuries, deaths, or property damage, including property owned by the City (collectively "Claims") which may arise out of Consultant's negligence or willful misconduct in the performance of the services described in this Agreement, unless such Claims are proven to be caused by the negligence or willful misconduct of the City Indemnitees.

A. The provisions of this Subsection apply only in the event that Consultant is a design professional within the meaning of California Civil Code section 2782.8 ("Design Professional"). The term Design Professional, as defined in said section, is limited to licensed architects, licensed landscape architects, registered professional engineers, professional land surveyors, and the business entities that offer such services in accordance with the applicable provisions of the California Business and Professions Code.

(1) Notwithstanding the provisions of Section 23 above, to the extent that the services to be provided under this Agreement are those of a Design Professional, Consultant's duty to indemnify, hold harmless, and defend the City Indemnitees shall be limited to the extent that any Claims arise out of, pertain to, or relate to the negligence, recklessness, or willful misconduct of the Consultant, its officers, agents, employees or subconsultants in the performance of the services described in this Agreement.

(2) In no event shall the costs of defense charged to Consultant exceed the Consultant's proportionate percentage of fault, except as otherwise set forth

in said Civil Code section 2782.8, the provisions of which are incorporated into this Agreement by this reference. Nothing in this Subsection b shall be construed to require Consultant to provide indemnification for Claims caused by the active negligence or willful misconduct of the City Indemnitees

- B. The City does not and shall not waive any rights that it may have against Consultant under this Section, because of the acceptance by the City, or the deposit with the City, of any insurance policy or certificate required pursuant to this Agreement. The hold harmless and indemnification provisions of this Section 23 shall apply regardless of whether said insurance policies are determined to be applicable to the claim, demand, damage, liability, loss, cost, or expense described herein.
- C. The obligation to indemnify and defend, as set forth in this Section 23, is binding on the successors, assigns, or heirs of Consultant and shall survive the expiration or any early termination of this Agreement.

24.INSURANCE. Consultant shall obtain and maintain during the performance of any Services under this Agreement the insurance coverages listed within “Exhibit C”, which is attached hereto and incorporated herein by this reference, unless the Risk Manager waives, in writing, the requirement that Consultant obtain and maintain such insurance coverages. Such insurance must be issued by a company satisfactory to the Risk Manager. Consultant shall, before performance of any Services pursuant to this Agreement, file with the Risk Manager evidence of insurance coverage as specified in “Exhibit C”. Maintenance of insurance coverages by Consultant is a material element of this Agreement. Consultant’s failure to maintain or renew insurance coverages or to provide renewal evidence shall be considered a material breach of this Agreement.

25.LIVING WAGE REQUIREMENTS. During the term of this Agreement, Consultant understands and agrees that if Living Wages are applicable, subject to the 2002 Oxnard City Council Living Wage Policy, attached as “Exhibit D” to this Agreement, Consultant will pay and/or provide the wages and/or benefits required therein to all of its employees engaged in whole or in part in performing the Services provided for by this Agreement. The Living Wage is updated on July 1 of each year, and the duty to pay the correct wage is the responsibility of the Consultant.

26.PREVAILING WAGE REQUIREMENTS. The payment of State prevailing wages as designated for Ventura County shall apply to public works projects. However, this section shall not apply to work performed on a public works project of twenty-five thousand dollars (\$25,000) or less when the project is for construction, alteration, demolition, installation, or repair work; or to work performed on a public works project of fifteen thousand dollars (\$15,000) or less when the project is for maintenance work. Prevailing

wages are required to be paid to all workers, including subcontracted employees. For further information regarding Prevailing Wage Requirements please refer to “Exhibit E” attached to this Agreement.

- A. To determine if this Agreement is subject to compliance monitoring and enforcement, go to:
<https://www.dir.ca.gov/Public-Works/PublicWorksSB854FAQ.html>
- B. It is unlawful to split, or separate into small portions, work orders, projects, purchases, or public works projects for the purpose of evading these prevailing wage requirements.
- C. In the event that there is a difference between the amount of wages to be paid under the City of Oxnard’s local Living Wage requirements and the requirements of this provision, the wage rate that is the higher of the two shall be applicable to this Agreement. The duty to pay the correct wage is the responsibility of the Consultant.

27. [RESERVED].

28. SUBCONTRACTING. If Consultant requires the assistance of a subcontractor to render any Services under this Agreement, Consultant shall obtain prior written consent from the City before a subcontractor performs any service pursuant to this Agreement. All subcontractors shall be identified in the Scope of Work or Task Order attached to this Agreement as “Exhibit A”. Consultant is fully responsible for satisfactory completion of all its subcontractors’ work. All subcontractors shall be properly licensed and insured; and bonded, if applicable. Consultant shall be responsible for all liabilities regardless of nature, type, or cause, arising out of or resulting from or in connection with subcontractors performance pursuant to this Agreement or subcontractors failure to comply with any of its obligations in connection with this Agreement.

29. CONFLICT OF INTEREST. Consultant covenants that it does not have any interest, nor shall it acquire any interest, directly or indirectly, which would conflict in any manner with the performance of Consultant’s Services under this Agreement. Consultant further covenants that in the performance of Services under this Agreement, no officer, employee or agent of Consultant having such interest shall be employed by it. In the event the City determines that Consultant must disclose its financial interests by completing and filing a Fair Political Practices Commission Form 700, Statement of Economic Interests, Consultant shall file such Form 700 with the City Clerk’s Office pursuant to the written instructions provided by the City Clerk. Acquisition or maintenance of a conflicting interest by Consultant may result in termination of this Agreement by the City.

- 30. DISPUTES.** Except as otherwise provided in these provisions, any dispute concerning a question of fact arising under this Agreement, shall be decided by the City's Designated Representative, who shall reduce this decision to writing and mail a copy to the Consultant. The decision of the City's Designated Representative shall be final and conclusive unless Consultant requests mediation within ten (10) calendar days. Pending final decision of a dispute, the Consultant shall proceed diligently with the performance of the Agreement and in accordance with the decision of the City's Designated Representative.
- 31. DISPUTE RESOLUTION.** Should an unresolved dispute arise out of this Agreement, any Party may request that it be submitted to mediation. The Parties shall meet in mediation within a reasonable time not to exceed forty five (45) days of a request. The mediator shall be agreed to by the mediating Parties. In the absence of an Agreement on a mediator, the Parties shall each submit one name from mediators listed by the American Arbitration Association, the California State Board of Mediation and Conciliation, or other agreed-upon service. The mediator shall be selected by a "blindfold" process. The cost of mediation shall be borne equally by both Parties. Neither Party shall be deemed the prevailing Party. No Party shall be permitted to file a legal action without first meeting in mediation and making a good faith attempt to reach a mediated settlement. The mediation process, once commenced by a meeting with the mediator, shall last until Agreement is reached by the Parties but not more than sixty (60) calendar days, unless the maximum time is extended in writing by both Parties.
- 32. ASSIGNMENT.** This Agreement is for the professional Services of Consultant. Any attempt by Consultant to assign the benefits or burdens of this Agreement without the prior written approval of City shall be prohibited and shall be null and void. Consultant's Services pursuant to this Agreement shall be provided by the Consultant's Designated Representative or directly under his/her supervision, and Consultant shall not assign another to supervise the Consultant's performance of this Agreement without the prior written approval of City, by and through the City's Designated Representative.
- 33. CARE OF WORK.** Should Consultant discover any latent or unknown conditions materially differing from those inherent in the Services or as represented by the City, Consultant shall immediately inform the City of such fact and shall not provide any Services, except at Consultant's risk, until written instructions are received from the Project Manager.
- 34. REPORTS.** Upon request by the Project Manager or as otherwise required by this Agreement, including but not limited to, the Scope of Services or Task Orders set forth

in "Exhibit A", Consultant shall prepare and submit reports to the City concerning Consultant's performance of the Services required by this Agreement.

35. AUDIT. City shall have the option of inspecting, auditing and/or reproducing all records and other written materials used by Consultant in preparing its billings to City as a condition precedent to any payment to Consultant, or for other purposes relating to the Agreement. Consultant will promptly furnish all documents requested by City. Additionally, if this Agreement is in excess of \$10,000, the State Auditor may examine and audit Consultant for a period of 3 years after final payment under the Agreement. Regardless of whether a State audit is permitted, Consultant shall maintain and preserve all such records for a period of at least 3 years after final payment under the Agreement or until an audit has been completed and accepted by City, whichever occurs later. Consultant shall maintain all such records in City or to promptly reimburse City for all reasonable costs incurred in conducting the audit at a location other than in City, including but not limited to expenses for personnel, salaries, private auditor, travel, lodging, meals and overhead. Consultant shall include a copy of this Section in all contracts with its subcontractors, and Consultant shall be responsible for immediately obtaining those records or other written material from its subcontractors upon a request by the State Auditor and/or City.

36. ADVERTISING AND PUBLICITY. Consultant shall not use the name of or refer to City directly or indirectly in any advertisement, news release, or professional or trade publication without prior written approval from the City Manager. This Section shall survive the termination of this Agreement.

37. NONDISCRIMINATORY EMPLOYMENT. Consultant shall not unlawfully discriminate against any individual based on race, color, religion or religious creed, national origin, ancestry, ethnic group identification, primary language, physical disability, mental disability, medical condition, genetic information, marital status, gender, gender identity, gender expression, sex, sexual orientation, age, immigration status, citizenship or military and veteran status. Consultant understands and agrees that it is bound by and will comply with all legal nondiscrimination mandates. For every subcontractor who will perform Services, Consultant shall be responsible for such subcontractor's compliance with this Section.

38. COVENANTS AND CONDITIONS. Each term and each provision of this Agreement to be performed by Consultant shall be construed to be both a covenant and a condition.

39. WAIVER. City's review or acceptance of, or payment for, work product prepared by Consultant under this Agreement will not be construed to operate as a waiver of any

rights City may have under this Agreement or of any cause of action arising from Consultant's performance. A waiver by City of any breach of any term, covenant, or condition contained in this Agreement will not be deemed to be a waiver of any subsequent breach of the same or any other term, covenant, or condition contained in this Agreement, whether of the same or different character.

40. FORCE MAJEURE. Neither the Consultant nor the City shall be responsible for any delay caused by any contingency beyond their control, including, but not limited to, war or insurrection, walkouts by the Party's own employees, fires, natural calamities, riots, or demands or requirements of governmental agencies other than the City.

41. GOVERNING LAW. The terms of this Agreement shall be interpreted according to the laws of the State of California. Should litigation occur, venue shall be in the Superior Court of California, County of Ventura.

42. SEVERABILITY. If any portion of this Agreement is declared by a court of competent jurisdiction to be invalid or unenforceable, then such portion will be deemed modified to the extent necessary in the opinion of the court to render such portion enforceable and, as so modified, such portion and the balance of this Agreement will continue in full force and effect and be enforceable.

43. INTEGRATED AGREEMENT. This Agreement and the attached exhibits referenced herein to this Agreement represent the entire understanding between the Parties. No verbal Agreement or implied covenant shall be held to vary the provisions of this Agreement. This Agreement shall bind and inure to the benefit of the Parties to this Agreement and any subsequent successors and assigns.

44. NO THIRD-PARTY BENEFICIARY. This Agreement shall not be construed to be an Agreement for the benefit of any third-party or parties, and no third party or parties shall have any claim or right of action under this Agreement.

45. AUTHORITY TO EXECUTE. Each Party hereto expressly warrants and represents that the signatories to this Agreement have the authority to execute this Agreement on behalf of its corporation, partnership, business entity, or governmental entity, and warrants and represents that the signatories have the authority to bind each Party to the performance of its obligations hereunder.

46. EXECUTION – COUNTERPARTS. This Agreement may be executed in any number of counterparts and each such duplicate counterpart shall constitute an original, but they shall not be effective nor enforceable unless and until it is executed with the handwritten

signature or electronic signature of an authorized representative of each of the relevant Parties. No counterpart shall be deemed to be an original or presumed delivered unless and until the counterpart executed by the other Party to this Agreement is in the physical possession of the Party seeking enforcement thereof.

47. INCONSISTENT OR CONFLICTING TERMS. In the event of any contradictions or inconsistencies between any attached documents or exhibits incorporated by reference herein and the provisions of the Agreement itself, the terms of the Agreement shall control. Any exhibit that is attached and incorporated by reference shall be limited to the purposes for which it is attached, as specified in this Agreement. Any contractual terms or conditions contained in such exhibit imposing additional obligations on the City are not binding upon the City and City's Designated Representative unless specifically agreed to in writing, and initiated by City's Designated Representative, as to each additional contractual term or condition.

48. CAPTIONS AND HEADINGS. The captions and headings contained in this Agreement are provided for identification purposes only and shall not be interpreted to limit or define the content, scope, or intent of the provisions described under the respective caption or heading.

49. ACKNOWLEDGEMENT. By signing below, Consultant acknowledges that it has reviewed the City's Professional Services Agreement terms and conditions and insurance requirements and that Consultant hereby agrees to full compliance.

[Signatures on next page]

IN WITNESS WHEREOF, the Parties have entered into this Agreement effective on the date as written in Section 4 and upon signature of all Parties.

CITY OF OXNARD

CLARK LAND RESOURCES, INC.

☐ Luis A. Mc Arthur, Mayor¹ _____ Date
☐ Jennifer Yates, Purchasing Manager²

Linda L. Clark, _____ Date
CEO and Board President

Sue Cope, _____ Date
Corporate Secretary,³

ATTEST:

Lourdes A. López, City Clerk _____ Date
(only if Mayor authorizes)

APPROVED AS TO FORM:

Stephen M. Fischer, _____ Date
City Attorney (always required)

¹ The City Council must authorize and the Mayor must execute any agreement over \$220,000.

² The Purchasing Agent may execute any authorized agreement up to \$220,000.

³ The City requires the following for any contract:

- For a corporation, the signatures of the Board President, CEO or Vice President and of the Board Secretary, Assistant Secretary, CFO or Assistant Treasurer;

- For an LLC, the signatures of at least two managers of the LLC (company directors, not lower-level managers); or

- For a partnership, the signature of a partner. If the partnership is a limited partnership, the signer must be a general partner.

If the company has a different structure, or if the above-listed persons are not the appropriate signers, please submit to the City Attorney legally-binding documentation stating who can sign and bind your company.

EXHIBIT A

PROFESSIONAL SERVICE AGREEMENT (CITY of Oxnard and Clark Land Resources, Inc.)

SCOPE OF SERVICES

PROJECT MANAGER: KJ May
TITLE: Construction Project Manager Senior
PHONE: (805) 393-3871
EMAIL: kuo.may@oxnard.org

Professional Service Consultant (Consultant) shall provide governmental real estate services, including but not limited to, property investigations and obtaining preliminary title reports; initial contacts with property owners; preparation and processing of easement, right-of-way, and sale agreements; obtaining real property appraisals; relocation services; property disposition; and such other services as may be required by the City of Oxnard (City). The Consultant shall provide services for various projects which include, but not be limited to, public buildings, housing, public work infrastructure and such other facilities as may be required.

Services shall be provided by the Consultant on projects as authorized and directed by the City under a duly executed and approved Task Order. The task order proposal shall identify a concise schedule for completion of the Work. It is the Consultant's responsibility to determine the best and most cost-effective method to complete the task so that the assigned task order can be completed to the satisfaction of the City. Task orders will be negotiated as a lump sum amount per term based upon the hourly rate fee schedule as agreed to by the City and Consultant for all services and under agreement amount. Task order funds will be encumbered based on quote provided to the City by Consultant per task order. This Scope of Work will allow for additional professional services offered by Consultant and the services noted below shall not be restricted to those directly stated.

Project under this Agreement may involve one or more of the following Municipal Infrastructure Improvements:

- Domestic water distribution system;
- Sanitary sewer collection system;
- Storm drainage collection system;
- Arterial, collector and local streets;
- Transportation system;
- Building and other types of facilities;
- Public park improvements;
- Beach maintenance;
- Seawall and dredge maintenance;

- Railway platform maintenance.

The Scope of Work shall include, but not be limited to the following:

Subcategory 1.1 - Real Property Services

- Perform preliminary property investigations, including obtaining County Assessor information and review of previous correspondence and contacts with the Owner. Review project plans and visit sites with City Staff.
- Obtain and review preliminary title reports.
- Lead good faith negotiations to reach timely, amicable agreements. Be proactive in initial and follow-up contacts with property owners. Respond to the owner's requests for information and others follow through. Receive, review, and transmit information from property owners to the City.
- Obtain and review real property appraisals. Report format will comply with the standards of the Appraisal Institute.
- Perform other real estate consulting services and related matters as requested by the City.

Subcategory 1.2 - Right of Way Acquisition

- Prepare correspondence, diaries, forms, easement, right-of-entry, and/or right-of-way agreements, purchase offers, and deeds.
- Process documents for recordation of easements, agreements, and deeds. Close out files to support State, County, and/or Federal right-of-way certification. Assist with Caltrans certification as necessary.
- Contact and negotiate with lessees and handle any necessary subordination.
- Attend periodic coordination and other project meetings as necessary.
- Assure compliance with agreements during construction.
- Perform other right-of-way consulting services and related matters as requested by the City.

City of Oxnard

Insert Department Name

305 West Third Street, East Wing Oxnard, California 93030

TASK ORDER

All Task Orders must include a copy
of the vendor proposal/estimate

Task Order No.:	Agreement No.:
Task Order NTE Amount:	Agreement NTE Amount:
City Purchase Order No.:	Agreement Type:
Agreement Expiration Date:	
Prime Consultant:	Subconsultant(s):

PROJECT TITLE OR SPECIFICATION NO.:

PROJECT DESCRIPTION:

DESCRIPTION OF SERVICES TO BE PERFORMED UNDER THIS TASK ORDER:

TIME FOR COMPLETION OF SERVICES UNDER THIS TASK ORDER:

COMPENSATION FOR SERVICES SHALL NOT EXCEED THE TASK ORDER NTE AMOUNT.

City Project Manager:

Consultant Project Manager:

Services under this Task Order shall not proceed until this Task Order is executed by the City and Consultant and the City issues a Notice to Proceed. This Task Order may only be modified in writing and subject to City approval. Consultant shall not exceed the scope of the task order or NTE amount.

City of Oxnard

[Consultant]

[designated rep] Date

[Name & Title] Date

Insert Department
Assistant Director/Director Date

[Name & Title] Date

For internal City Use Only

Account Number and Project Number	Example 1011234-53200-CXXXX
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EXHIBIT B

PROFESSIONAL SERVICE AGREEMENT
(CITY of Oxnard and Clark Land Resources, Inc.)

SCHEDULE OF COMPENSATION

Clark Land Resources, Inc.	
Position/Title	Suggested Rate
Principal in Charge	\$245
Broker, Technical Advisor/QA/QC	\$230
Program Manager	\$220
Sr. Project Manager	\$211
Project Manager	\$191
Assistant Project Manager/Senior Right of Way or Sr. Relocation Agent	\$185
Task Lead/Supervisors	\$160
Right of Way or Relocation Agent or GIS Specialist	\$140
Jr. Right of Way Agent/Relocation Specialist	\$113
Right of Way Assistant/Technician	\$100
Contract Administrator	\$150
Title Researcher	\$118
Clerical	\$98
Direct Costs	
Mileage	@ IRS allowable rate and time of mileage accrued
Outside Data Services	\$100 per month during length of executed task order.
Copies	8.5x11 @ .15 cents per copy. Larger sizes at cost.
Appraisals	\$2,500 (typical appraisal reviews) \$4,500 (typical non-complex) \$8,000 (typical moderately complex) \$15,000 (typical complex)

All above rates do not include title reports, litigation guarantees, or expert witness for Eminent Domain court cases. These rates can be provided when those services are needed.

EXHIBIT C

PROFESSIONAL SERVICES AGREEMENT (CITY of Oxnard and Clark Land Resources, Inc.)

INSURANCE REQUIREMENTS

Prior to contract approval and beginning of services under this agreement, Consultant must procure, agree to maintain and supply evidence of insurance at the levels listed and in accordance with the other provisions listed in this document.

[SEE NEXT PAGES]

**INSURANCE REQUIREMENTS FOR CONSULTANTS
(WITH ERRORS AND OMISSIONS REQUIREMENT)**

1. Consultant shall obtain and maintain during the performance of any services under this Agreement the following insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of services hereunder by Consultant, its agents, representatives, employees or subconsultants.
 - a. Commercial General Liability Insurance, including Contractual Liability, in an amount not less than \$1,000,000 combined single limit for bodily injury and property damage for each claimant for general liability with coverage equivalent to Insurance Services Office Commercial General Liability Coverage (Occurrence Form CG 0001). If a general aggregate limit is used, that limit shall apply separately to the project or shall be twice the occurrence amount;
 - b. Business automobile liability insurance in an amount not less than \$1,000,000 combined single limit for bodily injury and property damage for each claimant for automobile liability with coverage equivalent to Insurance Services Office automobile liability coverage (Occurrence Form CA0001) covering Code No. 1, "any auto;"
 - c. Professional liability/errors and omissions insurance appropriate to Consultant's profession to a minimum coverage of \$1,000,000, with neither Consultant nor listed subconsultants having less than \$500,000 individually. The professional liability/errors and omissions insurance must be project specific with at least a one year extended reporting period, or longer upon request.
 - d. Workers' compensation insurance in compliance with the laws of the State of California, and employer's liability insurance in an amount not less than \$1,000,000 per claimant. Additionally, the workers' compensation policy shall include a waiver of all rights of subrogation which the insurer may have against the City.
2. Consultant shall, prior to performance of any services, file with the Risk Manager certificates of insurance with original endorsements effecting coverage required by this Exhibit INS-A. The certificates and endorsements for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. The certificates and endorsements are to be on the attached forms or on other forms approved by the Risk Manager. All certificates and endorsements are to be received and approved by the Risk Manager before commencement of services. City reserves the right to require complete certified copies of all required insurance policies at any time. The certificates of insurance and endorsements shall be sent via email. If you have not received your request or are having difficulty with electronic upload, contact insurance@oxnard.org
3. Consultant agrees that all insurance coverages shall be provided by a California admitted insurance carrier with an A.M. Best rating of A:VII or better and shall be endorsed to state that coverage may not be suspended, voided, canceled, or reduced in coverage or limits without 30 days' prior written notice to the Risk Manager. The Risk Manager shall not approve or accept any endorsement if the endorsement contains "best effort" modifiers or if the insurer is relieved from the responsibility to give such notice.
4. Consultant agrees that the commercial general liability and business automobile liability insurance policies shall be endorsed to name City, its City Council, officers, employees, agents and volunteers as additional insureds as respects: liability arising out of activities performed by or on behalf of Consultant; products and completed operations of Consultant; premises owned, occupied or used by Consultant; or automobiles owned, leased, hired or borrowed by Consultant. The coverage shall contain no special limitations on the scope of protection afforded to City, its City Council, officers, employees, agents and volunteers. The General Liability Special Endorsement Form and Automobile Liability Special Endorsement Form attached to this Exhibit INS-A or substitute forms containing the same information and acceptable to the Risk Manager shall be used to provide the endorsements (ISO form CG 2010 11/85 or if not available, CG 2010 with an edition date prior to 01/04 and CG 2037).
5. The coverages provided to City shall be primary and not contributing to or in excess of any existing City insurance or self-insurance coverages (this must be endorsed). Additionally, the workers' compensation policy shall include a waiver of all rights of subrogation which the insurer may have against the City. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to City, its City Council, officers, employees and volunteers. The insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.
6. The insurer shall declare any deductibles or self-insured retentions to and be approved by the Risk Manager. At the option of the Risk Manager, either the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects City, its City Council, officers, employees and volunteers, or the Consultant shall procure a bond guaranteeing payment of losses and related investigations, claim administration and defense expenses.
7. All insurance standards applicable to Consultant shall also be applicable to Consultant's subconsultants. Consultant agrees to maintain appropriate agreements with subconsultants and to provide proper evidence of coverage upon receipt of a written request from the Risk Manager.

INSTRUCTION FOR SUBMITTING INSURANCE CERTIFICATES AND ENDORSEMENT FORMS

Certificates of Insurance

The sample accord form on the following page is provided to facilitate your preparation and submission of certificates of insurance. You may use this or any industry form that shows coverage as broad as that shown on the attached sample. **Please note the certificate holder address must be as shown on the attached sample accord form with the contract number and insurance exhibit identification information completed.** Improperly addressed certificates may delay the contract start-up date because the City's practice is to return unidentifiable insurance certificates to the insured for clarification as to the contract number. **Cancellation provisions must be endorsed to the policy. Modifying the certificate does not change coverage or obligate the carrier to provide notice of cancellation.**

Endorsement Forms

Original endorsements are required for commercial general liability and business automobile liability insurance policies and must be attached to the applicable certificate of insurance. City preference is that the Consultant/insurer use the endorsement forms which are attached. Substitute forms will be accepted, however, as long as they include provisions comparable to the sample accord form.

INS-A.doc

ACORD CERTIFICATE OF INSURANCE					ISSUE DATE (MM/DD/YY)
PRODUCER		THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.			
CODE	SUB-CODE	COMPANIES AFFORDING INSURANCE COVERAGE			
INSURED		COMPANY LETTER A SPECIFY COMPANY NAMES IN THIS SPACE COMPANY LETTER B			
COVERAGES THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.					
CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
A	GENERAL LIABILITY ☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS MADE ☒ OCCUR. ☒ OWNER'S & CONTRACTOR'S PROT.				GENERAL AGGREGATE \$1,000,000 PRODUCTS COMP/OP AGG. \$1,000,000 PERSONAL & ADV. INJURY \$1,000,000 EACH OCCURRENCE \$1,000,000 FIRE DAMAGE (Any one fire) \$ MED. EXPENSE (Any one person) \$
A	AUTOMOBILE LIABILITY ☒ ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS HIRED AUTOS NON-OWNED AUTOS GARAGE LIABILITY				COMBINED SINGLE LIMIT \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE \$
A	EXCESS LIABILITY UMBRELLA FORM OTHER THAN UMBRELLA FORM				EACH OCCURRENCE \$ AGGREGATE \$
A	WORKERS' COMPENSATION AND EMPLOYERS' LIABILITY				STATUTORY LIMITS EACH ACCIDENT \$1,000,000 DISEASE-POLICY LIMIT \$1,000,000 DISEASE-EACH EMPLOYEE \$1,000,000
A	OTHER Errors and omissions insurance or malpractice insurance available for the insured's profession				Minimum coverage \$1,000,000 Each consultant/ & listed sub-consultant \$500,000
DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/RESTRICTIONS/SPECIAL ITEMS					
CERTIFICATE HOLDER CITY OF OXNARD % Evident ID, Inc. 8520 Allison Pointe Blvd. Ste 223 PMB 5210 Indianapolis, Indiana 46250-4299 US			CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES. AUTHORIZED REPRESENTATIVE		

Rev 1/23

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EXHIBIT D

PROFESSIONAL SERVICES AGREEMENT (CITY of Oxnard and Clark Land Resources, Inc.)

LIVING WAGE POLICY

Pursuant to the Living Wage Policy adopted July 9, 2002 by the City Council and effective October 1, 2002, the City Manager and City Attorney are directed to include the following language in all standard Consultant/Professional Services contracts that may be governed by the Living Wage Policy.

A. Consultant shall compensate any employee of Consultant who provides Services under this Agreement in accordance with the Living Wage Policy, attached hereto and incorporated herein by reference as the Living Wage Policy Exhibit. While this Agreement is in effect, Consultant shall pay such employee no less than \$20.06 per hour for each hour that such employee provides Services under this Agreement. In addition, while this Agreement is in effect, Consultant shall provide to such employee no less than 96 hours of paid leave per calendar year.

B. Consultant agrees to post, at a location readily accessible to those employees providing Services to the City, a copy of the Living Wage Policy adopted by City Council on July 9, 2002 and effective October 1, 2002.

C. If Consultant fails to compensate such employee pursuant to the Living Wage Policy, the City Manager or designee shall terminate this Agreement on written notice to Consultant, effective immediately.

D. In addition, if Consultant fails to comply with the Living Wage Policy in any manner, Consultant shall pay to City a fine of \$500 and shall pay to any employee providing Services under this Agreement a penalty of three times the amount or value of the compensation owed to such employee under the Living Wage Policy. Consultant shall pay such fine and penalty within fifteen (15) calendar days after the City Manager or designee provides written notice to Consultant of the amount owed.

**CITY OF OXNARD LIVING WAGE REQUIREMENTS
EFFECTIVE JULY 1, 2025**

Consultant shall compensate any employee of Consultant who provides Services under this Agreement in accordance with the Living Wage Policy, attached hereto and incorporated herein by reference as Exhibit D. While this Agreement is in effect, Consultant shall pay such employee no less than \$20.06 per hour for each hour that such employee provides Services under this Agreement. This hourly rate shall be adjusted on July 1, 2026, and each July 1 thereafter, according to the percentage change in the Consumer Price Index, all items, prepared by the Bureau of Labor Statistics for the Los Angeles area relating to all urban consumers (CPI-U), index base 1982-84=100, comparing May of the previous year to May of the current year. In addition, while this Agreement is in effect, Consultant shall provide to such employee no less than 96 hours of paid leave per calendar year.

- a. Consultant agrees to post, at a location readily accessible to those employees providing Services to the City, a copy of the Living Wage Policy adopted by the Oxnard City Council on July 9, 2002 and effective October 1, 2002.
- b. If Consultant fails to compensate such employee pursuant to the Living Wage Policy, the City Manager or designee shall terminate this Agreement on written notice to Consultant, effective immediately.
- c. In addition, if Consultant fails to comply with the Living Wage Policy in any manner, Consultant shall pay to City a fine of \$500 and shall pay to any employee providing Services under this Agreement a penalty of three times the amount or value of the compensation owed to such employee under the Living Wage Policy. Consultant shall pay such fine and penalty within fifteen (15) calendar days after the City Manager or designee provides written notice to Consultant of the amount owed.

EXHIBIT E

PROFESSIONAL SERVICES AGREEMENT (CITY of Oxnard and Clark Land Resources, Inc.)

PREVAILING WAGE

1. Consultant acknowledges that the Project defined in the Agreement between Consultant and City is a “public work” as defined in Division 2, Part 7, Chapter 1 of the California Labor Code (“Chapter 1”), and that this Agreement is subject to Chapter 1 and the rules and regulations established by the Director of Industrial Relations (“DIR”) implementing such statutes. Consultant shall perform the Project as a public work. Consultant shall comply with and be bound by all the terms, rules and regulations described in Chapter 1 and the DIR’s rules and regulations as though set forth in full herein.
2. Pursuant to Labor Code Section 1773.2, copies of the prevailing rate of per diem wages for each craft, classification, or type of worker needed to perform the Agreement are on file at City Hall and will be made available to any interested party on request. Consultant acknowledges receipt of a copy of the DIR determination of such prevailing rate of per diem wages, and Consultant shall post such rates at each job site covered by this Agreement.
3. Consultant is required to post job site notices, as prescribed by regulation. See Labor Code Section 1771.4(a)(2).
4. Consultant shall comply with and be bound by the provisions of Labor Code Sections 1774 and 1775 concerning the payment of prevailing rates of wages to workers and the penalties for failure to pay prevailing wages. Consultant shall, as a penalty to City, forfeit not more than \$200 for each calendar day or portion thereof for each worker paid less than the DIR’s determined prevailing rates for the work or craft in which the worker is employed pursuant to this Agreement by Consultant or any subcontractor. The Labor Commissioner shall determine the amount of the penalty as described in Section 1775.
5. Consultant shall comply with Labor Code Section 1776, which requires Consultant and each subcontractor to (1) keep accurate payroll records and verify such records in writing under penalty of perjury, (2) certify and make such payroll records available for inspection, and (3) inform City of the location of the records.
6. Consultant shall comply with Labor Code Sections 1777.5, 1777.6 and 1777.7 and California Administrative Code Title 8, Section 200 et seq. concerning the employment of apprentices on public works projects for all apprenticeable occupations. Before commencing work under this Agreement, Consultant shall provide City with a copy of the information submitted to any applicable apprenticeship program. Within 60 days after concluding the Project, Consultant and each of its subcontractors shall submit to City a verified statement of the journeyman and apprentice hours performed under this Agreement.

7. Consultant may not be debarred or suspended throughout the Agreement Term pursuant to Labor Code Section 1777.1 or 1777.7. If he, she or it becomes debarred or suspended in the Agreement Term, Consultant must immediately notify City.
8. Consultant is not qualified to bid on, be listed in a Bid proposal, or engage in the performance of any contract for public work, as defined in Labor Code Sections 1720 through 1861, unless currently registered and qualified to perform public work pursuant to Labor Code Section 1725.5. Consultant shall continue without interruption to stay registered and qualified to perform public work pursuant to Section 1725.5 for the duration of the term of this Agreement. This provision does not apply to construction, alteration, demolition, installation or repair work of \$25,000 or less or to maintenance work of \$15,000 or less.
9. Consultant acknowledges that 8 hours labor constitutes a legal day's work. Consultant shall comply with and be bound by Labor Code Section 1810.
10. Consultant shall comply with and be bound by Labor Code Section 1813 concerning penalties for workers who work excess hours. Consultant shall, as a penalty to City, forfeit \$25 for each worker employed in the performance of this Agreement by Consultant or by any subcontractor for each calendar day during which such worker is required or permitted to work more than 8 hours in any calendar day and 40 hours in any one calendar week in violation of the provisions of Division 2, Part 7, Chapter 1, Article 3 of the Labor Code. Pursuant to Labor Code Section 1815, work performed by Consultant's employees in excess of 8 hours per day and 40 hours per week shall be permitted upon public work upon compensation for all hours worked in excess of 8 hours per day at not less than 1 ½ times the basic rate of pay.
11. The Project listed in the Agreement is subject to compliance monitoring and enforcement by the DIR.
12. Consultant shall be responsible for each and every one of its subcontractors' compliance with Chapter 1, the DIR's rules and regulations, and Labor Code Sections 1860 and 3700. Consultant shall include in the written contract between it and each subcontractor a copy of, and a requirement that each subcontractor shall comply with, those statutory provisions. Consultant shall be required to take all actions necessary to enforce such contractual provisions and ensure subcontractors' compliance, including without limitation, conducting a periodic review of the certified payroll records of each subcontractor, and upon becoming aware of the failure of the subcontractor to pay its workers the specified prevailing rate of wages, Consultant shall diligently take corrective action to halt or rectify any failure.
13. To the maximum extent, Consultant shall hold harmless, defend (with counsel approved by the City Attorney) and indemnify City, its legislative bodies, and its officials, officers, employees and agents from any demand or claim for damages, compensation, fines, penalties or other amounts arising out of or incidental to any acts or omissions listed

above by any person or entity (including Consultant, its subcontractors, and each of their officials, officers, employees and agents) in connection with any work undertaken or in connection with the Agreement, including without limitation the payment of all attorneys' fees and other related costs. All duties of Consultant under this Section shall survive Agreement termination.

RATES AND COSTS EXHIBIT

Hamner, Jewell & Associates is committed to providing the most cost effective, quality real estate services available. At all times, by pre-directive, our clients may structure and direct our efforts and general time expenditures so as to maintain control of the course of our scope of work and the cost of our services. We will bill only for time and costs actually expended in accomplishing the project goals in the most efficient and professional manner.

Our Fiscal Year 2021-2022 Rate Schedule, effective July 1, 2021, fixed for each position title through the fiscal year, is as follows:

Managing Senior Associate	\$288 an hour
Senior Associates II/Project Managers	\$175 an hour
Senior Associates I	\$155 an hour
Associates II (Acquisition/Relocation)	\$135 an hour
Associates I (Acquisition/Relocation)	\$120 an hour
Contract Administrators	\$175 an hour
Project Coordinators	\$135 an hour
Transaction/Escrow Coordinators	\$110 an hour
Transaction Assistants	\$ 75 an hour
Assistants/Clerical Support	\$ 52 an hour
Appraisers	Lump Sum Fee per Appraisal Assignment

These rates are inclusive of general office expenses, overhead, and profit. Reimbursable costs that may be passed through to the client as additional expenses include special handling fees such as certified, express mail, and courier delivery charges, postage, photography, copy and printing, certain project/client-specific telephone expenses, and other charges made by third parties in connection with performing the scope of services. Such third party expenses may include, but are not limited to, such costs as moving bid fees, title and escrow company charges, notary fees, and appraisal fees. Fees charged by insurance companies for issuing insurance certificates for client per contract requirements will also be billed through to client for reimbursement. No Per Diem charges will apply in cases where the project area is within two hours auto commuting time away from a Hamner, Jewell & Associates ("HJA") office location.

All reimbursable and third party expenses will be billed to the client at cost plus 10%, with appropriate invoices or other appropriate documentation provided for reference, unless mark-up is contractually restricted. Mileage and travel costs will be passed through without mark-up.

Statements for work shall be rendered monthly. Payments are due within 30 days.

If HJA is called upon or compelled to provide support for litigation or other proceedings, or respond to subpoenas in any way whatsoever related to the work HJA has completed on client's behalf, client shall pay HJA for required time in accordance with the hourly rates and fees specified in this Fee Schedule, except, however, any time for court testimony and depositions shall be paid at a rate of \$400/hour for HJA Senior Associates, \$250/hour for HJA Associates, and \$150/hour for HJA support staff. HJA shall additionally be reimbursed for all out-of-pocket and overhead expenses in connection with such proceedings. This provision shall survive the term of the contract and shall be binding without restriction or otherwise stated contract budget limitations.

Rates may be adjusted. Publication and distribution of this rate schedule shall be deemed such annual notice with regard to annual rate adjustment contractual provisions.



EXHIBIT A -1
BILLING RATES EFFECTIVE JANUARY 1, 2023

Engineering

Designer	\$95
Senior Designer.....	\$135
Assistant Engineer I	\$120
Assistant Engineer II	\$135
Associate Engineer	\$160
Senior Engineer I.....	\$175
Senior Engineer II.....	\$190
Principal Engineer I	\$210
Principal Engineer II	\$230

General

Technical/Clerical Support	\$80
Testimony (Trial or Deposition) .. 2.5 x Hourly Rate	
Special Consultant	\$250
<i>(Principal with specialized skills in engineering, geomatics or planning)</i>	
Outside Consultant.....	Cost + 10%
Reimbursable Expenses	Cost + 10%

Geomatics (Surveying & Mapping)

Surveying Technician	\$95
Assistant Surveyor I.....	\$120
Assistant Surveyor II.....	\$135
Associate Surveyor.....	\$160
Senior Surveyor I.....	\$175
Senior Surveyor II.....	\$190
Principal Surveyor I	\$210
Principal Surveyor II	\$230
One-Man Survey Crew	\$175
Two-Man Survey Crew	\$255
Three-Man Survey Crew	\$360
One-Man Survey Crew (Prevailing Wage)	\$185
Two-Man Survey Crew (Prevailing Wage)	\$280
Three-Man Survey Crew (Prevailing Wage) ..	\$420

- * The above billing rates are for straight time (non-overtime) work. Overtime and Saturdays will be charged at 150% of the standard hourly rates. Sundays and holidays will be charged at 200% of the standard hourly rates.
- * 'Prevailing Wage' rates are used for field work on projects subject to federal or state prevailing wage law and are subject to increases in accordance with the CA Dept of Industrial Relations.
- * The above billing rates are subject to change annually for multiple-year contracts in conjunction with labor cost increases.

An Employee Owned Company

Multiple Agreements for On-Call Real Property Services and Right of Way Acquisition

Public Works and Transportation Committee
September 9, 2025

Morgan Kessler, PE
City Engineer

That the Public Works and Transportation Committee recommend that the City Council approve and authorize the Mayor to execute the following Agreements, each with an initial term of three years from October 9, 2025, to October 8, 2028, with an option for two consecutive one-year period extensions ending October 8, 2030, for on-call Professional Real Property Services and Right of Way Acquisition:

1. Agreement 32600016 with Beacon Integrated Professional Resources, Inc. DBA Hamner, Jewell & Associates for a total amount not to exceed \$500,000;
2. Agreement 32600017 with Bender Rosenthal, Inc. for a total amount not to exceed \$500,000; and
3. Agreement 32600018 with Clark Land Resources, Inc. for a total amount not to exceed \$500,000.

- The Public Works Department (PW) utilizes professional consulting firms to provide licensed, technical expertise in various disciplines that support the Capital Improvement Program (CIP).
- Utilization of these specialized contractors is necessary to provide services that supplement the skills, experience, and sometimes peak workload times of City staff.
- It is in the City's interest to have a pool of these professional service contractors available on-call so that work can proceed in fairly short order.
- On-call professional service agreements reduce the amount of time to procure service contractors, and facilitate the timely completion of CIP and other projects.

- These specialized services include but are not limited to;
 - Perform project related preliminary property investigations, including obtaining County Assessor information.
 - Obtain and review preliminary title reports.
 - Obtain and review real property appraisals.
 - Perform other real estate consulting services.
 - Prepare correspondence, diaries, forms, easement, right-of-entry, and/or right-of-way agreements, purchase offers, and deeds.
 - Process documents for recordation of easements, agreements, and deeds.
 - Perform other right-of-way consulting services and related matters as requested by the City.

- The Purchasing Department released Request for Proposals (RFP) 25-117 for On-Call Real Property Services and Right of Way Acquisition.
 - Released April 3, 2025
 - Due date May 13, 2025
- RFP 25-117 was directly sent to three potential vendors and published on www.PublicPurchase.com as well as the City's Purchasing website.

- The qualifications were reviewed by:
 - Engineering Division (Division Manager),
 - Senior Construction Project Manager,
 - Construction Project Manager
- Clark Land Resources, Inc., Bender Rosenthal, Inc., and Beacon Integrated Professional Resources, Inc. DBA Hamner, Jewell & Associates have qualified and recommended for selection based on the following scoring criteria:
 - Company profile
 - Assigned staff
 - Relevant experience
 - Overall responsiveness

- The total cost for each agreement shall not exceed \$500,000 during the five-year term if all extension options are exercised.
- Funding will be per identified in the CIP, or by Division Adopted Budget.
- The respective Division/Project Manager will ensure sufficient funding is available for each task.
- Subsequent fiscal year allocations will be requested during the annual budget process.



End of Presentation



PUBLIC WORKS AND TRANSPORTATION COMMITTEE AGENDA REPORT

REPORTS AGENDA ITEM NO. D.2

DATE: September 9, 2025

TO: Public Works and Transportation Committee

FROM: Michael Wolfe, Public Works Director, (805) 385-8055, michael.wolfe@oxnard.org

SUBJECT: Multiple Agreements for On-Call Landscape Architect Services. (10 minutes)

RECOMMENDATION

That the Public Works and Transportation Committee recommend that the City Council approve and authorize the Mayor to execute the following Agreements, each with an initial term of three years from October 8, 2025, to October 7, 2028, with an option for two consecutive one-year period extensions ending October 7, 2030, for on-call Professional Landscape Architect Services:

1. Agreement 32600006 with David Volz Design Landscape Architects, Inc. DBA David Volz Design for a total amount not to exceed \$750,000;
2. Agreement 32600007 with IDS Group, Inc. for a total amount not to exceed \$750,000;
3. Agreement 32600008 with Pacific Coast Land Design, Inc. for a total amount not to exceed \$750,000; and
4. Agreement 32600009 with RJM Design Group, Inc. for a total amount not to exceed \$750,000.

Please click the following link to view the required Measure M pre-recorded presentation video:

<https://youtu.be/WaVjQ2PNUz8>

BACKGROUND

The Public Works Department (PW) utilizes professional consulting firms to provide licensed and/or technical expertise in various disciplines that support the development and implementation of the Capital Improvement Program (CIP) as well as other non-CIP projects. Utilization of these specialized contractors is necessary to provide services that supplement the skills, experience, and sometimes peak workload times of City staff. It is in the City's interest to have a pool of these professional service contractors available on-call for a range of technical disciplines so that services can be procured, and needed work can proceed, in fairly short order.

Pre-approved on-call professional service agreements reduce the amount of time necessary to procure service contractors and thus facilitate the timely completion of certain categories of CIP and other projects. The specific services covered under this request include but are not limited to, general architectural design services, landscape & parks design; producing reports, studies, master plans, conceptual designs, permitting requirements, budget estimates, preliminary studies, public outreach, renderings, drawings, specifications, estimates, scopes of work, and other professional architectural services including utility coordination and design services.

This is the first instance Oxnard has issued landscape architect-specific professional on-call agreements. As such, the historical usage costs for these services is difficult to separate out from previous general architectural

contract expenditures. Over the next several years, it is anticipated that an increasing amount of landscape architecture services will be needed to support CIP projects (e.g. Citywide Playground Replacement). The projected agreement amount per vendor, \$750k, should conservatively be sufficient to cover the anticipated needs in the current and near-future CIP; the actual amounts used may be less, and the next year or two will provide usage data so future agreement values may be adjusted.

DISCUSSION

On March 24, 2025, the Purchasing Division issued a Request for Proposal (RFP) 25-106 for On-Call Landscape Architect Services. Outreach efforts included direct notifications to three potential vendors, publication on www.PublicPurchase.com, and posting on the City's Purchasing website. The deadline for proposal submissions was April 15, 2025, and the City received a total of 14 proposals, which included the four awarded vendors:

A rating and selection process of the proposals was then performed by a panel that consisted of the Engineering Division Manager, a Senior Construction Project Manager, and a Construction Project Manager. Scoring criteria consisted of company profile, qualifications of proposed staff, relevant professional experience and performance, and overall responsiveness that best met the RFP criteria while being consistent with the City's municipal code. After a thorough review, the panel selected four firms to recommend for Agreement awards, with a determination that these vendors are the highest-ranked proposers based on the scoring criteria listed in the RFP and are consistent with the City's Purchasing Policy. The four recommended firms are:

David Volz Design Landscape Architect, Inc. DBA David Volz Design
IDS Group
Pacific Coast Land Design, Inc.
RJM Design Group, Inc.

Following further review by the Purchasing Division, it was determined that these vendors meet all required City contractual requirements, including possession of a City business tax certificate, insurance certificates, and corporate filing with the California Secretary of State. Therefore, based upon the analysis and research performed to date, staff believes that the four recommended vendors are capable of successfully performing On-Call Professional Services to the City of Oxnard.

Services under these agreements will be acquired on an as-needed basis with individual task orders issued for each identified work requirement (task). These will be issued and managed by the Project Manager (PM) assigned to the project. Once a new requirement is identified, all contractors will be provided the Task Order requirement on which to provide a proposal, if they so choose. The contractors will then submit their respective proposals, which will include a description of the scope of work to be performed, the method by which the consultant plans on completing the work, and a cost and schedule for completion. It is the consultant's responsibility to determine the best and most cost-effective method to complete the work. Once the City has received all proposals, they will review each and make a selection of the firm based on factors that include price, experience, methods, and schedule.

STRATEGIC PRIORITIES

This agenda item supports the Infrastructure and Natural Resources strategy. The purpose of the Infrastructure and Natural Resources strategy is to preserve and improve our roads, utilities, parks, trees, water supply and natural resources through effective planning, prioritization, and an equitable and efficient use of available funding.

FINANCIAL IMPACT

The total cost for each agreement shall not exceed \$750,000 in total for up to five years if all extension options are exercised. Funding for individual tasks will be sourced from projects identified in the City Council-approved CIP or, on rare occasions, for City Divisions with non-CIP project requirements (e.g., Parks division). The respective Project Manager will ensure sufficient funding is available in the approved budget for related tasks prior to initiating work orders or services performed. Subsequent fiscal year allocations will be requested during the annual budget process.

Prepared by: Morgan Kessler, City Engineer

ATTACHMENTS

1. Agreement 32600006
2. Agreement 32600007
3. Agreement 32600008
4. Agreement 32600009
5. Prior Agreements Rate and Exhibits
6. Presentation

**ON-CALL PROFESSIONAL SERVICES AGREEMENT
BETWEEN
THE CITY OF OXNARD AND DAVID VOLZ DESIGN LANDSCAPE ARCHITECTS, INC.
DBA DAVID VOLZ DESIGN**

By This On-Call Professional Services Agreement (“Agreement”), the City of Oxnard (“City”) agrees to engage the Services of David Volz Design Landscape Architects, Inc. DBA David Volz Design (“Consultant”), and Consultant agrees to perform the Services for City as herein described, for the compensation, during the term, and otherwise subject to the covenants and conditions herein set forth. City and Consultant may be individually referred to as “Party” or collectively as the “Parties.”

1. [INTENTIONALLY OMITTED].

2. SUMMARY DESCRIPTION OF SERVICES.

Landscape Architectural Consultant shall provide landscape architectural design services, including but not limited to, the design of parkway and median landscapes, design of landscapes around public buildings, design of public parks, design for playgrounds including surfaces and playground equipment layout, conduct public engagement to communicate the project proposals to neighborhood council and residents, review and provide recommendations for landscape standards, feasibility/concept plan studies and recommendations; preliminary design reports; hiring and managing applicable subconsultants and engineering disciplines as required; preparation of construction plans, specifications and estimates (opinions of construction cost); research of utilities and other records; and such other services as may be required by the CITY.

The Services to be performed pursuant to this agreement will be limited to the particular professional services that are identified in the Scope of Services, attached hereto as Exhibit A. Consultant has been prequalified to perform the particular services required by the City and the City shall issue Task Orders describing the particular project or services required by the City to the prequalified consultants and consultants shall submit a responsive proposal to the City’s Project Manager.

Consultant is not the exclusive provider of services to the City. The City does not guarantee a specified amount of work under this on-call agreement.

3. PARTIES.

City of Oxnard, a general law and municipal corporation of the State of California, located at 300 West Third Street, Oxnard California 93030.

David Volz Design Landscape Architects, Inc. DBA David Volz Design, a corporation of the State of California, located at 151 Kalmus Drive, M8, Costa Mesa, CA 92626.

4. TERM OF AGREEMENT: From: October 8, 2025 To: October 7, 2028

- A. Time is of the essence in this Agreement
- B. The City shall have the option to exercise (2) consecutive (1) one-year term extensions, in accordance with the scope of work and terms and conditions of this Agreement. Any price negotiations, if allowed, shall be negotiated at the time of contract extension.
- C. This Agreement shall not exceed a total of five (5) years (including the initial term and any options to extend). The City in its sole discretion may exercise the option terms upon sixty (60) days written notice to the Consultant (or any other time if the parties so agree) in accordance with Section 12 of this Agreement. The option term shall be commenced by an amendment to this agreement.
- D. All Services required of Consultant under this Agreement shall be completed on or before the end of the term of the Agreement.

5. AGREEMENT AMOUNT NOT TO EXCEED: \$750,000.00 ¹

6. AGREEMENT EXHIBITS. The following documents memorialized below are the only exhibits to this Agreement and are incorporated by reference as though fully set forth herein. In the event of a conflict between the Exhibits and this Agreement, the Agreement controls.

- Exhibit A: Scope of Services and Task Order Template
- Exhibit B: Schedule of Compensation
- Exhibit C: Insurance Requirements: City Insurance Exhibit INS-A
- Exhibit D: Living Wage Policy
- Exhibit E: Prevailing Wage Policy

7. DESIGNATED REPRESENTATIVES. The Designated Representatives listed below shall be authorized to act on behalf of the named Party, be responsible for negotiations and contractual matters, and coordinate with each other to perform the Services under this Agreement. Additionally, Consultant's Services shall be performed or immediately supervised by the Consultant's Representative:

¹ This is not a guaranteed dollar amount. No services or work performed pursuant to a Task Order shall exceed the "Not to Exceed" Amount of the Contract or the agreed upon amount stated in the Task Order.

City Designated Representative Name: Petros Gazazyan Title: Construction Project Manager Phone: 805-509-9110 Email: petros.gazazyan@oxnard.org Address: 305 West Third Street, East Wing, Second Floor, Oxnard, CA 93030	Consultant Designated Representative Name: Eric Sterling Title: President, RLA Phone: (714) 641-1300 Email: esterling@dvolzdesign.com Address: 151 Kalmus Drive, M8 Costa Mesa, CA 92626
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8. CONTRACTUAL PREREQUISITIES. This Agreement must first be executed by the Consultant, after which the Agreement shall be approved as to form by the City Attorney, then executed by the Mayor, or an authorized person on behalf of the City, and if executed by the Mayor shall also be executed by the City Clerk.

- A. Consultant is advised that any recommendation for Agreement award is not binding on City until the Agreement is fully executed and approved by the City.
- B. All proof of a City tax certificate, insurance, and W-9 forms is required prior to execution of this Agreement.
- C. Consultant shall not perform any work under this Agreement until a proof of insurance has been provided to the City as required under Section 24 of this Agreement.

9. CONSULTANT'S SERVICES.

- A. Consultant shall perform only the type or category of services as set forth in the "Scope of Services," and pursuant to the information contained in the Task Orders issued pursuant to this agreement.
- B. Task Orders may only be modified in writing by the City's Project Manager or Designated Representative.
- C. The Services issued pursuant to a Task Order shall be coordinated with the designated City Project Manager set forth in Exhibit A and are subject to the direction of the City Manager or Department Director. Consultant hereby designates as its Project Manager, the individual identified in Section 7 of this Agreement, as the person responsible for the Services who shall coordinate with City's Project Manager in executing the Scope of Services and Task Order(s) under this Agreement.
- D. Under no circumstances shall the Consultant exceed the amount stated in the City's Task Order or perform additional work or services that are not included in the Task Order

10. COMPENSATION. City shall pay Consultant for the Services performed pursuant to the terms of this Agreement and based on the hourly rates and fees set forth in the "Schedule of Compensation," attached to and incorporated into this Agreement as

“Exhibit B.” Consultant’s compensation shall not to exceed amount stated in the Task Order. Under no circumstances shall the Consultant perform work in excess of the amount stated in the Task Order or the not to exceed amount listed in Section 5 of this Agreement. Once this Agreement is executed, the Schedule of Compensation may only be modified by written Amendment pursuant to Section 13 of this Agreement, and may be subject to approval by the City Council.

- A. The maximum not to exceed amount for any individual Task Order issued pursuant to this Agreement shall be \$100,000.00 per Task Order or \$200,000, if the Task Order is associated with an identified and approved Capitol Improvement Project.
- B. Annual Rate and Fees adjustments must be requested in writing and shall not exceed 3% and are subject to approval by the City. Annual adjustments shall apply to Task Orders issued after the adjustment is approved and not retroactively to in progress Task Orders.

11. PAYMENT and INVOICES. The City shall pay all undisputed portions of any applicable invoice within thirty (30) days after receipt of an invoice. In the event the City disputes one or more items in an invoice, the City shall, within thirty (30) days after receipt of such invoice, notify the Consultant of the item(s) being disputed and the reason(s) therefore. The City may withhold payment for such disputed items until resolution of the dispute.

- A. Payment Request. Consultant shall submit a payment request to CITY by the end of each calendar month listing the Services provided, costs of those Services, and total amount due for the month. Invoices may be emailed to: pwinvoices@oxnard.org.
- B. Consultant’s acceptance of final payment made pursuant to this Agreement shall constitute a release of City from all claims and liabilities for compensation to Consultant for anything completed, finished or relating to the Services. City’s payment shall not constitute nor be deemed a release of the responsibility and liability of Consultant for the accuracy and competency of the information provided and/or the Services performed hereunder, nor shall such payment be deemed to be an assumption of responsibility or liability by City for any defect or error in the Services performed by Consultant and its employees, agents and subcontracted Consultants.
- C. Consultant shall provide City with a completed Request for Taxpayer Identification Number and Certification, as issued by the Internal Revenue Service. If any sales tax is due for the Services performed by Consultant or materials or products provided to City by Consultant, Consultant shall pay the sales tax. City shall not reimburse Consultant for sales taxes paid by Consultant.

D. **Non-Appropriation of Funds.** Payments to be made to Consultant by City for the Services performed within the current fiscal year are within the current fiscal budget and within an available, unexhausted and unencumbered appropriation of City. In the event City does not appropriate sufficient funds for payment of the Services beyond the current fiscal year, this Agreement shall cover payment for the Services only up to the conclusion of the last fiscal year in which City appropriated sufficient funds and shall automatically terminate at that fiscal year's conclusion.

12. OPTION TO EXTEND AGREEMENT. When in the City's best interest, this Agreement may only be extended, if the City, in its discretion, exercises an option term in accordance with Section 4 subparagraphs (B) and (C) of this Agreement. The initial term, plus any option to extend shall not exceed a total of five (5) years. **If no option to extend the Agreement appears in section 4(B), then this Agreement shall not be extended.**

13. MODIFICATION OF AGREEMENT. This Agreement may be amended, modified, or otherwise altered, or its provisions waived, only upon mutual consent of the Parties by written amendment. The City may request that the Consultant perform Extra Services. As used herein, "Extra Services" means any services, which are determined by the City to be necessary for the proper completion of the project, but which the Parties did not reasonably anticipate would be necessary at the execution of this Agreement or any Task Order issued under this Agreement. A written amendment signed by both Parties shall be required to authorize performance of and payment for Extra Services under this Agreement or Task Order.

14. TERMINATION OF AGREEMENT. City may terminate this Agreement at any time, with or without cause and without penalty, upon fifteen (15) calendar days' prior written notice pursuant to Section 22 of this Agreement. Such termination shall be effective on the date specified in the notice, or if no date is specified, then fifteen (15) calendar days from the date of the notice. City shall be liable to Consultant only for work done by Consultant up to and including the date of termination of this Agreement unless the termination is for cause, in which event Consultant need be compensated only to the extent required by law. Consultant may terminate this Agreement at any time during the term of the Agreement by giving the City sixty (60) calendar days' prior written notice.

15. [RESERVED].

16. INDEPENDENT CONTRACTOR. Consultant is and shall at all times remain, as to City, a wholly independent contractor. Neither City nor any of its employees or agents shall have control over the conduct of Consultant or any of its employees, except as stated in this Agreement. Consultant has and shall retain the right to exercise full control over the

employment, direction, means of performance, location, compensation and discharge of all persons assisting Consultant. This Agreement shall not be interpreted to prevent or preclude Consultant from rendering any Services for Consultant's own account or to any other person or entity as Consultant in its sole discretion shall determine; provided, however, that performing such Services shall not materially interfere with the Services the Consultant shall perform for the City. The City retains the right to provide general instructions to and observe the Consultant in the performance of all Services done on behalf of the City.

Consultant and its employees, subconsultants, and agents have no authority, express or implied, to act on behalf of City in any capacity, to incur any debt, obligation or liability on behalf of City, bind City in any manner, or otherwise act on behalf of City as an agent. Consultant and its employees are not employees of City. Consultant and its employees are not entitled to receive from City any of the benefits or rights afforded employees of City, including but not limited to reserve leave, sick leave, vacation leave, holiday leave, compensatory leave, Public Employees Retirement System benefits, and health, life, dental, long-term disability and workers' compensation insurance benefits. Consultant shall not, at any time or in any manner, represent that it or any of its agents, subconsultants, or employees are in any manner agents, subconsultants, or employees of City.

17. LAWFUL PERFORMANCE. Consultant shall abide by all federal, state, and local laws and regulations as may be related to the performance of duties under this Agreement. Consultant, at its sole expense, shall obtain and maintain during the term of this Agreement, all appropriate permits, licenses, and certificates that may be required in connection with the performance of Services under this Agreement.

18. SAFETY REQUIREMENTS. Consultant shall not perform any Services for the City when the Consultant is impaired by alcohol or a controlled substance. When there is reasonable cause to believe that any person has violated this provision, that person shall be immediately removed from the premises and be subject to any applicable civil and/or criminal penalties under the City's Code and/or under state law. All work performed under this Agreement shall be performed in such a manner as to provide safety to the public. The City reserves the right to issue restraining or cease and desist orders to Consultant when unsafe or harmful acts are observed or reported relative to the performance of the work under this Agreement. The acceptance of Consultant's work by City shall not operate as a release of the Consultant from such standard of care and workmanship.

19. STANDARD OF PERFORMANCE; WARRANTY. Consultant agrees to perform all Services required by this Agreement in a professional and competent manner, in accordance with the degree of skill and diligence which is normally employed by

reputable professionals performing similar Services under similar conditions in the same or similar locality. Such Services shall also be performed in a manner which is reasonably satisfactory to City Project Manager, or designee (hereinafter the "Project Manager"), provided that discretion in determining what is satisfactory shall not alter the foregoing standard of care.

- A. In accordance with the standard of care set forth in the first sentence of Section 19, the Consultant agrees that it:
 - (1) Has thoroughly reviewed and considered the services and work to be performed; and
 - (2) Has reviewed the issues regarding the Scope of Services and Task Orders to be provided; and
 - (3) Has carefully considered how the services and related work should be performed; and
 - (4) Fully understands the facilities, difficulties and restrictions associated with performance of the services required by this Agreement.

20. OWNERSHIP OF CONSULTANT'S WORK PRODUCT, CONFIDENTIALITY & DISCLOSURE, RECORDS & WARRANTY. City shall be the owner of any and all technical documents and records, including, computations, plans, correspondence, and/or other pertinent data and information, both hard copy and electronic, gathered or prepared by Consultant in performance of this Agreement and shall be entitled to immediate possession of the same upon completion of the work under this Agreement, or at any earlier or later time when the same may be requested by City.

- A. Ownership of Documents. Every report, draft, work product, map, record, and other document reproduced, prepared, or caused to be prepared by the Consultant pursuant to or in connection with this Agreement shall be the exclusive property of the City.
- B. Deliverables. Consultant shall deliver to the City the studies, plans, specifications, or other documents as are identified in the Scope of Services or Task Order; and Consultant shall, upon completion of all work or termination of this Agreement, submit to the City all information developed in the course of the Consultant's services. Consultant shall, in such time and in such form as the City may require, furnish reports concerning the status of Services required under this Agreement. Consultant shall, upon request by City and upon completion or termination of this Agreement, deliver to the City all material furnished to Consultant by the City.
- C. Records and Inspections. The Consultant shall maintain full and accurate records, with respect to all Services and matters covered under this Agreement. Books and records pertaining to costs shall be kept and prepared in accordance with generally accepted accounting principles. The City shall have free access at all reasonable times to such records, both

hard copy and electronic, and the right to examine and audit the same and to make transcripts therefrom, and to inspect all program data, documents, proceedings, and activities.

- D. Confidentiality. Information that is exempt from disclosure to the public is confidential. This includes information relating to the past, present, or future affairs of the City or information belonging to a third party whose information is in the City's possession or control under obligations of confidentiality. Consultant may be granted access to information that is exempt from disclosure to the public (Government Code Section 7920.505) and may contain "trade secrets" (see Government Code Section 7924.510(f)) when it is necessary for Consultant to perform its obligations pursuant to this Agreement. If Consultant is granted such access to confidential information, Consultant shall not be considered to be a member of the public as that term is used in Government Code Section 7920.515.
- E. Disclosure of Information. Consultant shall not disclose, publish, or authorize others to disclose or publish, design data, drawings, specifications, reports, or other information pertaining to the projects assigned to Consultant by the City or other information to which the Consultant has had access during the term of this Agreement without the prior written approval of the City's Designated Representative during the term of this Agreement and for a period of two (2) years after the termination of this Agreement.
- F. No Warranty. Other than an obligation upon the City to deal in good faith, the City makes no warranties and shall bear no liability or responsibility for errors or omissions in any Confidential Information disclosed under this Agreement or for any business decisions made by Consultant in reliance on any Confidential Information disclosed under this Agreement.

21. NOTICE OF BREACH AND OPPORTUNITY TO CURE. Neither Party will be in breach of this Agreement where the breach is capable of being cured, or until written notice of the breach is received from the non-breaching Party. The Party charged with breach will have fifteen (15) calendar days from the date of receiving such notice in which to cure the breach or otherwise respond. If the circumstances leading to the charge that the Agreement was breached have not been cured or explained to the satisfaction of the other Party within fifteen (15) days from the date on which the breaching Party received notice of breach, the non-breaching Party may terminate this Agreement. Notice shall be given in the manner set forth in section 22.

22. NOTICE. All notices given or required to be given pursuant to this Agreement shall be in writing and may be given by personal delivery or by first-class mail. Notice sent by mail shall be addressed to each Party's Designated Representative as set forth above in Section 7. When addressed in accordance with this Section, such notice shall be deemed given upon deposit in the United States mail, postage prepaid. In all other

instances, notices shall be deemed given at the time of actual delivery. Changes may be made in the names or addresses of persons to whom notices are to be given by giving notice in the manner prescribed in this Section.

23. INDEMNIFICATION, HOLD HARMLESS & DEFENSE. Except as set forth in Subsection A of this Section 23, and to the fullest extent permitted by law, Consultant shall immediately defend, indemnify, and hold harmless the City, its officers, employees, representatives, and agents (the "City Indemnitees"), from and against those actions, suits, proceedings, claims, demands, losses, costs, and expenses, including legal costs and reasonable attorneys' fees, for any personal injuries, deaths, or property damage, including property owned by the City (collectively "Claims") which may arise out of Consultant's negligence or willful misconduct in the performance of the services described in this Agreement, unless such Claims are proven to be caused by the negligence or willful misconduct of the City Indemnitees.

A. The provisions of this Subsection apply only in the event that Consultant is a design professional within the meaning of California Civil Code section 2782.8 ("Design Professional"). The term Design Professional, as defined in said section, is limited to licensed architects, licensed landscape architects, registered professional engineers, professional land surveyors, and the business entities that offer such services in accordance with the applicable provisions of the California Business and Professions Code.

(1) Notwithstanding the provisions of Section 23 above, to the extent that the services to be provided under this Agreement are those of a Design Professional, Consultant's duty to indemnify, hold harmless, and defend the City Indemnitees shall be limited to the extent that any Claims arise out of, pertain to, or relate to the negligence, recklessness, or willful misconduct of the Consultant, its officers, agents, employees or subconsultants in the performance of the services described in this Agreement.

(2) In no event shall the costs of defense charged to Consultant exceed the Consultant's proportionate percentage of fault, except as otherwise set forth in said Civil Code section 2782.8, the provisions of which are incorporated into this Agreement by this reference. Nothing in this Subsection b shall be construed to require Consultant to provide indemnification for Claims caused by the active negligence or willful misconduct of the City Indemnitees

B. The City does not and shall not waive any rights that it may have against Consultant under this Section, because of the acceptance by the City, or the deposit with the City, of any insurance policy or certificate required pursuant to this Agreement. The hold harmless and indemnification provisions of this Section 23 shall apply regardless of whether said insurance policies are determined to be applicable to the claim, demand, damage, liability, loss, cost, or expense described herein.

- C. The obligation to indemnify and defend, as set forth in this Section 23, is binding on the successors, assigns, or heirs of Consultant and shall survive the expiration or any early termination of this Agreement.

24.INSURANCE. Consultant shall obtain and maintain during the performance of any Services under this Agreement the insurance coverages listed within “Exhibit C”, which is attached hereto and incorporated herein by this reference, unless the Risk Manager waives, in writing, the requirement that Consultant obtain and maintain such insurance coverages. Such insurance must be issued by a company satisfactory to the Risk Manager. Consultant shall, before performance of any Services pursuant to this Agreement, file with the Risk Manager evidence of insurance coverage as specified in “Exhibit C”. Maintenance of insurance coverages by Consultant is a material element of this Agreement. Consultant’s failure to maintain or renew insurance coverages or to provide renewal evidence shall be considered a material breach of this Agreement.

25.LIVING WAGE REQUIREMENTS. During the term of this Agreement, Consultant understands and agrees that if Living Wages are applicable, subject to the 2002 Oxnard City Council Living Wage Policy, attached as “Exhibit D” to this Agreement, Consultant will pay and/or provide the wages and/or benefits required therein to all of its employees engaged in whole or in part in performing the Services provided for by this Agreement. The Living Wage is updated on July 1 of each year, and the duty to pay the correct wage is the responsibility of the Consultant.

26.PREVAILING WAGE REQUIREMENTS. The payment of State prevailing wages as designated for Ventura County shall apply to public works projects. However, this section shall not apply to work performed on a public works project of twenty-five thousand dollars (\$25,000) or less when the project is for construction, alteration, demolition, installation, or repair work; or to work performed on a public works project of fifteen thousand dollars (\$15,000) or less when the project is for maintenance work. Prevailing wages are required to be paid to all workers, including subcontracted employees. For further information regarding Prevailing Wage Requirements please refer to Exhibit “E” attached to this Agreement.

- A. To determine if this Agreement is subject to compliance monitoring and enforcement, go to:
<https://www.dir.ca.gov/Public-Works/PublicWorksSB854FAQ.html>
- B. It is unlawful to split, or separate into small portions, work orders, projects, purchases, or public works projects for the purpose of evading these prevailing wage requirements.
- C. In the event that there is a difference between the amount of wages to be paid under the City of Oxnard’s local Living Wage requirements and the requirements of this provision, the wage rate that is the higher of the two

shall be applicable to this Agreement. The duty to pay the correct wage is the responsibility of the Consultant.

27. [RESERVED].

28. SUBCONTRACTING. If Consultant requires the assistance of a subcontractor to render any Services under this Agreement, Consultant shall obtain prior written consent from the City before a subcontractor performs any service pursuant to this Agreement. All subcontractors shall be identified in the Scope of Work or Task Order attached to this Agreement as "Exhibit A". Consultant is fully responsible for satisfactory completion of all its subcontractors' work. All subcontractors shall be properly licensed and insured; and bonded, if applicable. Consultant shall be responsible for all liabilities regardless of nature, type, or cause, arising out of or resulting from or in connection with subcontractors performance pursuant to this Agreement or subcontractors failure to comply with any of its obligations in connection with this Agreement.

29. CONFLICT OF INTEREST. Consultant covenants that it does not have any interest, nor shall it acquire any interest, directly or indirectly, which would conflict in any manner with the performance of Consultant's Services under this Agreement. Consultant further covenants that in the performance of Services under this Agreement, no officer, employee or agent of Consultant having such interest shall be employed by it. In the event the City determines that Consultant must disclose its financial interests by completing and filing a Fair Political Practices Commission Form 700, Statement of Economic Interests, Consultant shall file such Form 700 with the City Clerk's Office pursuant to the written instructions provided by the City Clerk. Acquisition or maintenance of a conflicting interest by Consultant may result in termination of this Agreement by the City.

30. DISPUTES. Except as otherwise provided in these provisions, any dispute concerning a question of fact arising under this Agreement, shall be decided by the City's Designated Representative, who shall reduce this decision to writing and mail a copy to the Consultant. The decision of the City's Designated Representative shall be final and conclusive unless Consultant requests mediation within ten (10) calendar days. Pending final decision of a dispute, the Consultant shall proceed diligently with the performance of the Agreement and in accordance with the decision of the City's Designated Representative.

31. DISPUTE RESOLUTION. Should an unresolved dispute arise out of this Agreement, any Party may request that it be submitted to mediation. The Parties shall meet in mediation within a reasonable time not to exceed forty-five (45) days of a request. The mediator shall be agreed to by the mediating Parties. In the absence of an Agreement on a mediator, the Parties shall each submit one name from mediators listed by the

American Arbitration Association, the California State Board of Mediation and Conciliation, or other agreed-upon service. The mediator shall be selected by a "blindfold" process. The cost of mediation shall be borne equally by both Parties. Neither Party shall be deemed the prevailing Party. No Party shall be permitted to file a legal action without first meeting in mediation and making a good faith attempt to reach a mediated settlement. The mediation process, once commenced by a meeting with the mediator, shall last until Agreement is reached by the Parties but not more than sixty (60) calendar days, unless the maximum time is extended in writing by both Parties.

32.ASSIGNMENT. This Agreement is for the professional Services of Consultant. Any attempt by Consultant to assign the benefits or burdens of this Agreement without the prior written approval of City shall be prohibited and shall be null and void. Consultant's Services pursuant to this Agreement shall be provided by the Consultant's Designated Representative or directly under his/her supervision, and Consultant shall not assign another to supervise the Consultant's performance of this Agreement without the prior written approval of City, by and through the City's Designated Representative.

33.CARE OF WORK. Should Consultant discover any latent or unknown conditions materially differing from those inherent in the Services or as represented by the City, Consultant shall immediately inform the City of such fact and shall not provide any Services, except at Consultant's risk, until written instructions are received from the Project Manager.

34.REPORTS. Upon request by the Project Manager or as otherwise required by this Agreement, including but not limited to, the Scope of Services or Task Orders set forth in Exhibit "A", Consultant shall prepare and submit reports to the City concerning Consultant's performance of the Services required by this Agreement.

35.AUDIT. City shall have the option of inspecting, auditing and/or reproducing all records and other written materials used by Consultant in preparing its billings to City as a condition precedent to any payment to Consultant, or for other purposes relating to the Agreement. Consultant will promptly furnish all documents requested by City. Additionally, if this Agreement is in excess of \$10,000, the State Auditor may examine and audit Consultant for a period of 3 years after final payment under the Agreement. Regardless of whether a State audit is permitted, Consultant shall maintain and preserve all such records for a period of at least 3 years after final payment under the Agreement or until an audit has been completed and accepted by City, whichever occurs later. Consultant shall maintain all such records in City or to promptly reimburse City for all reasonable costs incurred in conducting the audit at a location other than in City, including but not limited to expenses for personnel, salaries, private auditor, travel, lodging, meals and overhead. Consultant shall include a copy of this Section in all contracts with its subcontractors, and Consultant shall be responsible for immediately

obtaining those records or other written material from its subcontractors upon a request by the State Auditor and/or City.

36. ADVERTISING AND PUBLICITY. Consultant shall not use the name of or refer to City directly or indirectly in any advertisement, news release, or professional or trade publication without prior written approval from the City Manager. This Section shall survive the termination of this Agreement.

37. NONDISCRIMINATORY EMPLOYMENT. Consultant shall not unlawfully discriminate against any individual based on race, color, religion or religious creed, national origin, ancestry, ethnic group identification, primary language, physical disability, mental disability, medical condition, genetic information, marital status, gender, gender identity, gender expression, sex, sexual orientation, age, immigration status, citizenship or military and veteran status. Consultant understands and agrees that it is bound by and will comply with all legal nondiscrimination mandates. For every subcontractor who will perform Services, Consultant shall be responsible for such subcontractor's compliance with this Section.

38. COVENANTS AND CONDITIONS. Each term and each provision of this Agreement to be performed by Consultant shall be construed to be both a covenant and a condition.

39. WAIVER. City's review or acceptance of, or payment for, work product prepared by Consultant under this Agreement will not be construed to operate as a waiver of any rights City may have under this Agreement or of any cause of action arising from Consultant's performance. A waiver by City of any breach of any term, covenant, or condition contained in this Agreement will not be deemed to be a waiver of any subsequent breach of the same or any other term, covenant, or condition contained in this Agreement, whether of the same or different character.

40. FORCE MAJEURE. Neither the Consultant nor the City shall be responsible for any delay caused by any contingency beyond their control, including, but not limited to, war or insurrection, walkouts by the Party's own employees, fires, natural calamities, riots, or demands or requirements of governmental agencies other than the City.

41. GOVERNING LAW. The terms of this Agreement shall be interpreted according to the laws of the State of California. Should litigation occur, venue shall be in the Superior Court of California, County of Ventura.

42. SEVERABILITY. If any portion of this Agreement is declared by a court of competent jurisdiction to be invalid or unenforceable, then such portion will be deemed modified to the extent necessary in the opinion of the court to render such portion enforceable and,

as so modified, such portion and the balance of this Agreement will continue in full force and effect and be enforceable.

43. INTEGRATED AGREEMENT. This Agreement and the attached exhibits referenced herein to this Agreement represent the entire understanding between the Parties. No verbal Agreement or implied covenant shall be held to vary the provisions of this Agreement. This Agreement shall bind and inure to the benefit of the Parties to this Agreement and any subsequent successors and assigns.

44. NO THIRD-PARTY BENEFICIARY. This Agreement shall not be construed to be an Agreement for the benefit of any third-party or parties, and no third party or parties shall have any claim or right of action under this Agreement.

45. AUTHORITY TO EXECUTE. Each Party hereto expressly warrants and represents that the signatories to this Agreement have the authority to execute this Agreement on behalf of its corporation, partnership, business entity, or governmental entity, and warrants and represents that the signatories have the authority to bind each Party to the performance of its obligations hereunder.

46. EXECUTION – COUNTERPARTS. This Agreement may be executed in any number of counterparts and each such duplicate counterpart shall constitute an original, but they shall not be effective nor enforceable unless and until it is executed with the handwritten signature or electronic signature of an authorized representative of each of the relevant Parties. No counterpart shall be deemed to be an original or presumed delivered unless and until the counterpart executed by the other Party to this Agreement is in the physical possession of the Party seeking enforcement thereof.

47. INCONSISTENT OR CONFLICTING TERMS. In the event of any contradictions or inconsistencies between any attached documents or exhibits incorporated by reference herein and the provisions of the Agreement itself, the terms of the Agreement shall control. Any exhibit that is attached and incorporated by reference shall be limited to the purposes for which it is attached, as specified in this Agreement. Any contractual terms or conditions contained in such exhibit imposing additional obligations on the City are not binding upon the City and City's Designated Representative unless specifically agreed to in writing, and initiated by City's Designated Representative, as to each additional contractual term or condition.

48. CAPTIONS AND HEADINGS. The captions and headings contained in this Agreement are provided for identification purposes only and shall not be interpreted to limit or define the content, scope, or intent of the provisions described under the respective caption or heading.

49.ACKNOWLEDGEMENT. By signing below, Consultant acknowledges that it has reviewed the City's Professional Services Agreement terms and conditions and insurance requirements and that Consultant hereby agrees to full compliance.

[Signatures on next page]

IN WITNESS WHEREOF, the Parties have entered into this Agreement effective on the date as written in Section 4 and upon signature of all Parties.

CITY OF OXNARD

**DAVID VOLZ DESIGN LANDSCAPE
ARCHITECTS, INC. DBA DAVID
VOLZ DESIGN**

☐ Luis A. Mc Arthur, Mayor ² _____ Date
☐ Jennifer Hiraoka, Purchasing Manager ³

Eric Sterling, President _____ Date

Jamie Graham, Secretary, ⁴ _____ Date

ATTEST:

Lourdes A. López, City Clerk _____ Date
(only if Mayor authorizes)

APPROVED AS TO FORM:

Stephen M. Fischer, _____ Date
City Attorney (always required)

² The City Council must authorize and the Mayor must execute any agreement over \$220,000.

³ The Purchasing Agent may execute any authorized agreement up to \$220,000.

⁴ The City requires the following for any contract:

- For a corporation, the signatures of the Board President, CEO or Vice President and of the Board Secretary, Assistant Secretary, CFO or Assistant Treasurer;
 - For an LLC, the signatures of at least two managers of the LLC (company directors, not lower-level managers); or
 - For a partnership, the signature of a partner. If the partnership is a limited partnership, the signer must be a general partner.
- If the company has a different structure, or if the above-listed persons are not the appropriate signers, please submit to the City Attorney legally-binding documentation stating who can sign and bind your company.

EXHIBIT A

PROFESSIONAL SERVICE AGREEMENT (CITY of Oxnard and David Volz Design Landscape Architects, Inc. DBA David Volz Design)

SCOPE OF SERVICES

PROJECT MANAGER:

Petros Gazazyan
petros.gazazyan@oxnard.org
805-509-9110

General Scope of Work:

The Landscape Architectural Consultant (Consultant) shall provide landscape architectural design services, including but not limited to, the design of parkway and median landscapes, design of landscapes around public buildings, design of public parks, design for playgrounds including surfaces and playground equipment layout, conduct public engagement to communicate the project proposals to neighborhood council and residents, review and provide recommendations for landscape standards, feasibility/concept plan studies and recommendations; preliminary design reports; hiring and managing applicable subconsultants and engineering disciplines as required; preparation of construction plans, specifications and estimates (opinions of construction cost); research of utilities and other records; and such other services as may be required by the CITY. Consultant shall provide services on projects as authorized and directed by CITY under a duly executed and approved Task Order. Consultant shall, in the performance of this Agreement, maintain close communications with the City Project Manager or his/her representative. No services shall be performed on any specific project until the CITY has issued a signed Task Order to Consultant for that particular project.

Work Tasks:

Upon request by CITY, Consultant will perform the following tasks for needed improvements to municipal infrastructure facilities, as applicable for individual projects:

1. The Consultant shall be a State of California Licensed Landscape Architect, experienced in public agency landscape and irrigation improvements and maintenance operations.
2. The Consultant shall provide on-call services to consult with City Staff to address a variety of technical issues including but not limited to field reviews, landscape evaluations, irrigation system evaluation, plant material quality reviews, budgeting,

and conceptual design of potential solutions and costs

3. The Consultant shall provide design services (Schematic Design, Design Development, and Construction Documents) for the preparation of plans, specifications, and estimates for landscape improvements, renovations, and Capital Improvement Projects including, but not limited to, landscaping, irrigation (including conversion of potable to recycled water irrigation), site amenities, public art, and landscape and water quality improvements for such facilities as parks, median islands, parkways, sports fields, open spaces, trails, habitat areas and related facilities.

4. The Consultant shall provide design services during construction, including periodic site visits, review of shop drawings, and preparing responses to contractor's RFIs, provide drafting and computer-aided drafting support, perform record drawing, utility, or other searches, perform field investigations and design surveying, prepare record ("as built") drawing, and attend project meetings as necessary.

5. The Consultant shall assist Staff with the review and improvement of the City Code requirements for landscaping and irrigation-related water conservation and water quality, the Landscape Maintenance Specifications, the Tree Maintenance Specifications, the Rodent Control Specifications, and other similar work efforts.

Projects under this Agreement may involve one or more of the following Municipal Infrastructure Improvements:

- Storm drainage collection systems including WQMP and Drainage Reports;
- Post-construction stormwater mitigation systems;
- Arterial, collector, and local streets;
- Transportation system;
- Buildings and other types of facilities;
- Public Park improvements;
- Beach maintenance;
- Other undertakings to be determined.

Individual Project Task Order:

Upon request by CITY, Consultant shall submit for CITY review an individual project proposal including all information required to complete a Task Order for the individual project.

Task Order proposal shall identify the specific tasks to be performed by the Consultant. Tasks shall be listed in chronological order reflecting the entire scope of work as requested by the CITY, along with an estimated cost per task and a combined total Not-to-Exceed cost.

Proposals shall contain the names and titles of Consultant's personnel assigned to perform the work and specifically identify the individual who will be the Project Manager.

Proposals shall contain a project schedule indicating the various tasks and estimated time required to complete each task. Consultant's project schedule shall reflect all work to be

performed by the Consultant from initial execution through completion.

City of Oxnard

Insert Department Name

305 West Third Street, East Wing Oxnard, California 93030

TASK ORDER

All Task Orders must include a copy
of the vendor proposal/estimate

Task Order No.:	Agreement No.:
Task Order NTE Amount:	Agreement NTE Amount:
City Purchase Order No.:	Agreement Type:
Agreement Expiration Date:	
Prime Consultant:	Subconsultant(s):

PROJECT TITLE OR SPECIFICATION NO.:

PROJECT DESCRIPTION:

DESCRIPTION OF SERVICES TO BE PERFORMED UNDER THIS TASK ORDER:

TIME FOR COMPLETION OF SERVICES UNDER THIS TASK ORDER:

COMPENSATION FOR SERVICES SHALL NOT EXCEED THE TASK ORDER NTE AMOUNT.

City Project Manager:

Consultant Project Manager:

Services under this Task Order shall not proceed until this Task Order is executed by the City and Consultant and the City issues a Notice to Proceed. This Task Order may only be modified in writing and subject to City approval. Consultant shall not exceed the scope of the task order or NTE amount.

City of Oxnard

[Consultant]

[designated rep] Date

[Name & Title] Date

Insert Department
Assistant Director/Director Date

[Name & Title] Date

For internal City Use Only

Account Number and Project Number	Example 1011234-53200-CXXXX
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EXHIBIT B

PROFESSIONAL SERVICE AGREEMENT (CITY of Oxnard and David Volz Design Landscape Architects, Inc. DBA David Volz Design)

SCHEDULE OF COMPENSATION

HOURLY RATES SCHEDULE

Principals	\$230/hr
Director of Design	\$200/hr
Senior Landscape Architects	\$175/hr
Director of GIS	\$165/hr
Landscape Architect	\$160/hr
Plan Check	\$160/hr
Senior Landscape Designer	\$155/hr
Senior GIS Analyst	\$155/hr
Landscape Designer	\$140/hr
GIS Analyst	\$140/hr
Project Designer/CADD Technicians I, II, III	\$110, 120, 130/hr
GIS Technicians I, II, III	\$110, 120, 130/hr
Administration	\$110/hr

1. Only services specifically noted in the scope of services are included in the fee schedule. Services such as construction survey, utility potholing, etc. are not included.
2. See the subconsultant proposals attached for proposed services and additional excluded services.
3. Addition to the above the services and fees will be required if construction exceeds the twelve consecutive calendar months. Construction period service will require more fees if construction exceed the length of construction previously mentioned.
4. The following project expenses will be billed at cost in addition to the professional fees listed above:
 - Printing, copying, scanning, graphic, photography and reproduction services
 - Delivery, shipping and courier charges
 - Subconsultant fees and expenses
 - Agency fees, permits, plan check and inspection fees
5. The reimbursable allowance will only be billed as-needed.

EXHIBIT C

PROFESSIONAL SERVICES AGREEMENT (CITY of Oxnard and David Volz Design Landscape Architects, Inc. DBA David Volz Design)

INSURANCE REQUIREMENTS

Prior to contract approval and beginning of services under this agreement, Consultant must procure, agree to maintain and supply evidence of insurance at the levels listed and in accordance with the other provisions listed in this document.

[SEE NEXT PAGES]

**INSURANCE REQUIREMENTS FOR CONSULTANTS
(WITH ERRORS AND OMISSIONS REQUIREMENT)**

1. Consultant shall obtain and maintain during the performance of any services under this Agreement the following insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of services hereunder by Consultant, its agents, representatives, employees or subconsultants.

a. Commercial General Liability Insurance, including Contractual Liability, in an amount not less than \$1,000,000 combined single limit for bodily injury and property damage for each claimant for general liability with coverage equivalent to Insurance Services Office Commercial General Liability Coverage (Occurrence Form CG 0001). If a general aggregate limit is used, that limit shall apply separately to the project or shall be twice the occurrence amount;

b. Business automobile liability insurance in an amount not less than \$1,000,000 combined single limit for bodily injury and property damage for each claimant for automobile liability with coverage equivalent to Insurance Services Office automobile liability coverage (Occurrence Form CA0001) covering Code No. 1, "any auto;"

c. Professional liability/errors and omissions insurance appropriate to Consultant's profession to a minimum coverage of \$1,000,000, with neither Consultant nor listed subconsultants having less than \$500,000 individually. The professional liability/errors and omissions insurance must be project specific with at least a one year extended reporting period, or longer upon request.

d. Workers' compensation insurance in compliance with the laws of the State of California, and employer's liability insurance in an amount not less than \$1,000,000 per claimant. Additionally, the workers' compensation policy shall include a waiver of all rights of subrogation which the insurer may have against the City.

2. Consultant shall, prior to performance of any services, file with the Risk Manager certificates of insurance with original endorsements effecting coverage required by this Exhibit INS-A. The certificates and endorsements for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. The certificates and endorsements are to be on the attached forms or on other forms approved by the Risk Manager. All certificates and endorsements are to be received and approved by the Risk Manager before commencement of services. City reserves the right to require complete certified copies of all required insurance policies at any time. The certificates of insurance and endorsements shall be sent via email. If you have not received your request or are having difficulty with electronic upload, contact insurance@oxnard.org

3. Consultant agrees that all insurance coverages shall be provided by a California admitted insurance carrier with an A.M. Best rating of A:VII or better and shall be endorsed to state that coverage may not be suspended, voided, canceled, or reduced in coverage or limits without 30 days' prior written notice to the Risk Manager. The Risk Manager shall not approve or accept any endorsement if the endorsement contains "best effort" modifiers or if the insurer is relieved from the responsibility to give such notice.

4. Consultant agrees that the commercial general liability and business automobile liability insurance policies shall be endorsed to name City, its City Council, officers, employees, agents and volunteers as additional insureds as respects: liability arising out of activities performed by or on behalf of Consultant; products and completed operations of Consultant; premises owned, occupied or used by Consultant; or automobiles owned, leased, hired or borrowed by Consultant. The coverage shall contain no special limitations on the scope of protection afforded to City, its City Council, officers, employees, agents and volunteers. The General Liability Special Endorsement Form and Automobile Liability Special Endorsement Form attached to this Exhibit INS-A or substitute forms containing the same information and acceptable to the Risk Manager shall be used to provide the endorsements (ISO form CG 2010 11/85 or if not available, CG 2010 with an edition date prior to 01/04 and CG 2037).

5. The coverages provided to City shall be primary and not contributing to or in excess of any existing City insurance or self-insurance coverages (this must be endorsed). Additionally, the workers' compensation policy shall include a waiver of all rights of subrogation which the insurer may have against the City. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to City, its City Council, officers, employees and volunteers. The insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

6. The insurer shall declare any deductibles or self-insured retentions to and be approved by the Risk Manager. At the option of the Risk Manager, either the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects City, its City Council, officers, employees and volunteers, or the Consultant shall procure a bond guaranteeing payment of losses and related investigations, claim administration and defense expenses.

7. All insurance standards applicable to Consultant shall also be applicable to Consultant's subconsultants. Consultant agrees to maintain appropriate agreements with subconsultants and to provide proper evidence of coverage upon receipt of a written request from the Risk Manager.

INSTRUCTION FOR SUBMITTING INSURANCE CERTIFICATES AND ENDORSEMENT FORMS*Certificates of Insurance*

The sample accord form on the following page is provided to facilitate your preparation and submission of certificates of insurance. You may use this or any industry form that shows coverage as broad as that shown on the attached sample. **Please note the certificate holder address must be as shown on the attached sample accord form with the contract number and insurance exhibit identification information completed.** Improperly addressed certificates may delay the contract start-up date because the City's practice is to return unidentifiable insurance certificates to the insured for clarification as to the contract number. **Cancellation provisions must be endorsed to the policy. Modifying the certificate does not change coverage or obligate the carrier to provide notice of cancellation.**

Endorsement Forms

Original endorsements are required for commercial general liability and business automobile liability insurance policies and must be attached to the applicable certificate of insurance. City preference is that the Consultant/insurer use the endorsement forms which are attached. Substitute forms will be accepted, however, as long as they include provisions comparable to the sample accord form.

INS-A.doc

Exhibit INS-A

ACORD CERTIFICATE OF INSURANCE						ISSUE DATE (MM/DD/YY)	
PRODUCER				THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.			
CODE		SUB-CODE		COMPANIES AFFORDING INSURANCE COVERAGE			
INSURED				COMPANY LETTER A SPECIFY COMPANY NAMES IN THIS SPACE			
				COMPANY LETTER B			
COVERAGES THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.							
CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS		
A	GENERAL LIABILITY [x] COMMERCIAL GENERAL LIABILITY [] CLAIMS MADE [x] OCCUR. [x] OWNER'S & CONTRACTOR'S PROT.				GENERAL AGGREGATE	\$1,000,000	
					PRODUCTS COMP/OP AGG.	\$1,000,000	
					PERSONAL & ADV. INJURY	\$1,000,000	
					EACH OCCURRENCE	\$1,000,000	
					FIRE DAMAGE (Any one fire)	\$	
					MED. EXPENSE (Any one person)	\$	
A	AUTOMOBILE LIABILITY [x] ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS HIRED AUTOS NON-OWNED AUTOS GARAGE LIABILITY				COMBINED SINGLE LIMIT	\$1,000,000	
					BODILY INJURY (Per person)	\$	
					BODILY INJURY (Per accident)	\$	
					PROPERTY DAMAGE	\$	
A	EXCESS LIABILITY UMBRELLA FORM OTHER THAN UMBRELLA FORM				EACH OCCURRENCE	\$	
					AGGREGATE	\$	
A	WORKERS' COMPENSATION AND EMPLOYERS' LIABILITY				STATUTORY LIMITS		
					EACH ACCIDENT	\$1,000,000	
					DISEASE-POLICY LIMIT	\$1,000,000	
					DISEASE-EACH EMPLOYEE	\$1,000,000	
A	OTHER Errors and omissions insurance or malpractice insurance available for the insured's profession				Minimum coverage	\$1,000,000	
					Each consultant/ & listed sub-consultant	\$500,000	
DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/RESTRICTIONS/SPECIAL ITEMS							
CERTIFICATE HOLDER CITY OF OXNARD % Evident ID, Inc. 8520 Allison Pointe Blvd. Ste 223 PMB 5210 Indianapolis, Indiana 46250-4299 US				CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.			
				AUTHORIZED REPRESENTATIVE			

Rev. 1/23

INS-A.doc

EXHIBIT D

PROFESSIONAL SERVICES AGREEMENT (CITY of Oxnard and David Volz Design Landscape Architects, Inc. DBA David Volz Design)

LIVING WAGE POLICY

Pursuant to the Living Wage Policy adopted July 9, 2002 by the City Council and effective October 1, 2002, the City Manager and City Attorney are directed to include the following language in all standard Consultant/Professional Services contracts that may be governed by the Living Wage Policy.

- A. Consultant shall compensate any employee of Consultant who provides Services under this Agreement in accordance with the Living Wage Policy, attached hereto and incorporated herein by reference as the Living Wage Policy Exhibit. While this Agreement is in effect, Consultant shall pay such employee no less than \$20.06 per hour for each hour that such employee provides Services under this Agreement. In addition, while this Agreement is in effect, Consultant shall provide to such employee no less than 96 hours of paid leave per calendar year.
- B. Consultant agrees to post, at a location readily accessible to those employees providing Services to the City, a copy of the Living Wage Policy adopted by City Council on July 9, 2002 and effective October 1, 2002.
- C. If Consultant fails to compensate such employee pursuant to the Living Wage Policy, the City Manager or designee shall terminate this Agreement on written notice to Consultant, effective immediately.
- D. In addition, if Consultant fails to comply with the Living Wage Policy in any manner, Consultant shall pay to City a fine of \$500 and shall pay to any employee providing Services under this Agreement a penalty of three times the amount or value of the compensation owed to such employee under the Living Wage Policy. Consultant shall pay such fine and penalty within fifteen (15) calendar days after the City Manager or designee provides written notice to Consultant of the amount owed.

**CITY OF OXNARD LIVING WAGE REQUIREMENTS
EFFECTIVE JULY 1, 2025**

Consultant shall compensate any employee of Consultant who provides Services under this Agreement in accordance with the Living Wage Policy, attached hereto and incorporated herein by reference as Exhibit D. While this Agreement is in effect, Consultant shall pay such employee no less than \$20.06 per hour for each hour that such employee provides Services under this Agreement. This hourly rate shall be adjusted on July 1, 2026, and each July 1 thereafter, according to the percentage change in the Consumer Price Index, all items, prepared by the Bureau of Labor Statistics for the Los Angeles area relating to all urban consumers (CPI-U), index base 1982-84=100, comparing May of the previous year to May of the current year. In addition, while this Agreement is in effect, Consultant shall provide to such employee no less than 96 hours of paid leave per calendar year.

- a. Consultant agrees to post, at a location readily accessible to those employees providing Services to the City, a copy of the Living Wage Policy adopted by the Oxnard City Council on July 9, 2002 and effective October 1, 2002.
- b. If Consultant fails to compensate such employee pursuant to the Living Wage Policy, the City Manager or designee shall terminate this Agreement on written notice to Consultant, effective immediately.
- c. In addition, if Consultant fails to comply with the Living Wage Policy in any manner, Consultant shall pay to City a fine of \$500 and shall pay to any employee providing Services under this Agreement a penalty of three times the amount or value of the compensation owed to such employee under the Living Wage Policy. Consultant shall pay such fine and penalty within fifteen (15) calendar days after the City Manager or designee provides written notice to Consultant of the amount owed.

EXHIBIT E

PROFESSIONAL SERVICES AGREEMENT (CITY of Oxnard and David Volz Design Landscape Architects, Inc. DBA David Volz Design)

PREVAILING WAGE

1. Consultant acknowledges that the Project defined in the Agreement between Consultant and City is a “public work” as defined in Division 2, Part 7, Chapter 1 of the California Labor Code (“Chapter 1”), and that this Agreement is subject to Chapter 1 and the rules and regulations established by the Director of Industrial Relations (“DIR”) implementing such statutes. Consultant shall perform the Project as a public work. Consultant shall comply with and be bound by all the terms, rules and regulations described in Chapter 1 and the DIR’s rules and regulations as though set forth in full herein.

2. Pursuant to Labor Code Section 1773.2, copies of the prevailing rate of per diem wages for each craft, classification, or type of worker needed to perform the Agreement are on file at City Hall and will be made available to any interested party on request. Consultant acknowledges receipt of a copy of the DIR determination of such prevailing rate of per diem wages, and Consultant shall post such rates at each job site covered by this Agreement.

3. Consultant is required to post job site notices, as prescribed by regulation. See Labor Code Section 1771.4(a)(2).

4. Consultant shall comply with and be bound by the provisions of Labor Code Sections 1774 and 1775 concerning the payment of prevailing rates of wages to workers and the penalties for failure to pay prevailing wages. Consultant shall, as a penalty to City, forfeit not more than \$200 for each calendar day or portion thereof for each worker paid less than the DIR’s determined prevailing rates for the work or craft in which the worker is employed pursuant to this Agreement by Consultant or any subcontractor. The Labor Commissioner shall determine the amount of the penalty as described in Section 1775.

5. Consultant shall comply with Labor Code Section 1776, which requires Consultant and each subcontractor to (1) keep accurate payroll records and verify such records in writing under penalty of perjury, (2) certify and make such payroll records available for inspection, and (3) inform City of the location of the records.

6. Consultant shall comply with Labor Code Sections 1777.5, 1777.6 and 1777.7 and California Administrative Code Title 8, Section 200 et seq. concerning the employment of apprentices on public works projects for all apprenticeable occupations. Before commencing work under this Agreement, Consultant shall provide City with a copy of the information submitted to any applicable apprenticeship program. Within 60 days after concluding the Project, Consultant and each of its subcontractors shall submit to City a verified statement of the journeyman and apprentice hours performed under this Agreement.

7. Consultant may not be debarred or suspended throughout the Agreement Term pursuant to Labor Code Section 1777.1 or 1777.7. If he, she or it becomes debarred or suspended in the Agreement Term, Consultant must immediately notify City.

8. Consultant is not qualified to bid on, be listed in a Bid proposal, or engage in the performance of any contract for public work, as defined in Labor Code Sections 1720 through 1861, unless currently registered and qualified to perform public work pursuant to Labor Code Section 1725.5. Consultant shall continue without interruption to stay registered and qualified to perform public work pursuant to Section 1725.5 for the duration of the term of this Agreement. This provision does not apply to construction, alteration, demolition, installation or repair work of \$25,000 or less or to maintenance work of \$15,000 or less.

9. Consultant acknowledges that 8 hours labor constitutes a legal day's work. Consultant shall comply with and be bound by Labor Code Section 1810.

10. Consultant shall comply with and be bound by Labor Code Section 1813 concerning penalties for workers who work excess hours. Consultant shall, as a penalty to City, forfeit \$25 for each worker employed in the performance of this Agreement by Consultant or by any subcontractor for each calendar day during which such worker is required or permitted to work more than 8 hours in any calendar day and 40 hours in any one calendar week in violation of the provisions of Division 2, Part 7, Chapter 1, Article 3 of the Labor Code. Pursuant to Labor Code Section 1815, work performed by Consultant's employees in excess of 8 hours per day and 40 hours per week shall be permitted upon public work upon compensation for all hours worked in excess of 8 hours per day at not less than 1 ½ times the basic rate of pay.

11. The Project listed in the Agreement is subject to compliance monitoring and enforcement by the DIR.

12. Consultant shall be responsible for each and every one of its subcontractors' compliance with Chapter 1, the DIR's rules and regulations, and Labor Code Sections 1860 and 3700. Consultant shall include in the written contract between it and each subcontractor a copy of, and a requirement that each subcontractor shall comply with, those statutory provisions. Consultant shall be required to take all actions necessary to enforce such contractual provisions and ensure subcontractors' compliance, including without limitation, conducting a periodic review of the certified payroll records of each subcontractor, and upon becoming aware of the failure of the subcontractor to pay its workers the specified prevailing rate of wages, Consultant shall diligently take corrective action to halt or rectify any failure.

13. To the maximum extent, Consultant shall hold harmless, defend (with counsel approved by the City Attorney) and indemnify City, its legislative bodies, and its officials, officers, employees and agents from any demand or claim for damages, compensation, fines, penalties or other amounts arising out of or incidental to any acts or omissions listed above by any person or entity (including Consultant, its subcontractors, and each of their officials, officers, employees and agents) in connection with any work undertaken or in connection with the Agreement, including without limitation the payment of all attorneys' fees and other related costs. All duties of Consultant under this Section shall survive Agreement termination.

**ON-CALL PROFESSIONAL SERVICES AGREEMENT
BETWEEN
THE CITY OF OXNARD AND IDS GROUP, INC.**

By This On-Call Professional Services Agreement (“Agreement”), the City of Oxnard (“City”) agrees to engage the Services of IDS Group, Inc. (“Consultant”), and Consultant agrees to perform the Services for City as herein described, for the compensation, during the term, and otherwise subject to the covenants and conditions herein set forth. City and Consultant may be individually referred to as “Party” or collectively as the “Parties.”

1. [INTENTIONALLY OMITTED].

2. SUMMARY DESCRIPTION OF SERVICES.

Landscape Architectural Consultant shall provide landscape architectural design services, including but not limited to, the design of parkway and median landscapes, design of landscapes around public buildings, design of public parks, design for playgrounds including surfaces and playground equipment layout, conduct public engagement to communicate the project proposals to neighborhood council and residents, review and provide recommendations for landscape standards, feasibility/concept plan studies and recommendations; preliminary design reports; hiring and managing applicable subconsultants and engineering disciplines as required; preparation of construction plans, specifications and estimates (opinions of construction cost); research of utilities and other records; and such other services as may be required by the CITY.

The Services to be performed pursuant to this agreement will be limited to the particular professional services that are identified in the Scope of Services, attached hereto as Exhibit A. Consultant has been prequalified to perform the particular services required by the City and the City shall issue Task Orders describing the particular project or services required by the City to the prequalified consultants and consultants shall submit a responsive proposal to the City’s Project Manager.

Consultant is not the exclusive provider of services to the City. The City does not guarantee a specified amount of work under this on-call agreement.

3. PARTIES.

City of Oxnard, a general law and municipal corporation of the State of California, located at 300 West Third Street, Oxnard California 93030.

IDS Group, Inc., a corporation of the State of California, located at 1 Peters Canyon Rd., Suite 130, Irvine, CA 92606.

4. TERM OF AGREEMENT: From: October 8, 2025 To: October 7, 2028

- A. Time is of the essence in this Agreement
- B. The City shall have the option to exercise (2) consecutive (1) one-year term extensions, in accordance with the scope of work and terms and conditions of this Agreement. Any price negotiations, if allowed, shall be negotiated at the time of contract extension.
- C. This Agreement shall not exceed a total of five (5) years (including the initial term and any options to extend). The City in its sole discretion may exercise the option terms upon sixty (60) days written notice to the Consultant (or any other time if the parties so agree) in accordance with Section 12 of this Agreement. The option term shall be commenced by an amendment to this agreement.
- D. All Services required of Consultant under this Agreement shall be completed on or before the end of the term of the Agreement.

5. AGREEMENT AMOUNT NOT TO EXCEED: \$750,000.00 ¹

6. AGREEMENT EXHIBITS. The following documents memorialized below are the only exhibits to this Agreement and are incorporated by reference as though fully set forth herein. In the event of a conflict between the Exhibits and this Agreement, the Agreement controls.

- Exhibit A: Scope of Services and Task Order Template
- Exhibit B: Schedule of Compensation
- Exhibit C: Insurance Requirements: City Insurance Exhibit INS-A
- Exhibit D: Living Wage Policy
- Exhibit E: Prevailing Wage Policy

7. DESIGNATED REPRESENTATIVES. The Designated Representatives listed below shall be authorized to act on behalf of the named Party, be responsible for negotiations and contractual matters, and coordinate with each other to perform the Services under this Agreement. Additionally, Consultant's Services shall be performed or immediately supervised by the Consultant's Representative:

¹ This is not a guaranteed dollar amount. No services or work performed pursuant to a Task Order shall exceed the "Not to Exceed" Amount of the Contract or the agreed upon amount stated in the Task Order.

City Designated Representative Name: Petros Gazazyan Title: Construction Project Manager Phone: 805-509-9110 Email: petros.gazazyan@oxnard.org Address: 305 West Third Street, East Wing, Second Floor, Oxnard, CA 93030	Consultant Designated Representative Name: Said Hilmy, PhD, PE, SE, LEED AP Title: Principal/Contract Administrator Phone: (949) 387-8500 x116 Email: said.hilmy@idsgi.com Address: 1 Peters Canyon Road, Suite 130, Irvine, CA 92606
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8. CONTRACTUAL PREREQUISITIES. This Agreement must first be executed by the Consultant, after which the Agreement shall be approved as to form by the City Attorney, then executed by the Mayor, or an authorized person on behalf of the City, and if executed by the Mayor shall also be executed by the City Clerk.

- A. Consultant is advised that any recommendation for Agreement award is not binding on City until the Agreement is fully executed and approved by the City.
- B. All proof of a City tax certificate, insurance, and W-9 forms is required prior to execution of this Agreement.
- C. Consultant shall not perform any work under this Agreement until a proof of insurance has been provided to the City as required under Section 24 of this Agreement.

9. CONSULTANT'S SERVICES.

- A. Consultant shall perform only the type or category of services as set forth in the "Scope of Services," and pursuant to the information contained in the Task Orders issued pursuant to this agreement.
- B. Task Orders may only be modified in writing by the City's Project Manager or Designated Representative.
- C. The Services issued pursuant to a Task Order shall be coordinated with the designated City Project Manager set forth in Exhibit A and are subject to the direction of the City Manager or Department Director. Consultant hereby designates as its Project Manager, the individual identified in Section 7 of this Agreement, as the person responsible for the Services who shall coordinate with City's Project Manager in executing the Scope of Services and Task Order(s) under this Agreement.
- D. Under no circumstances shall the Consultant exceed the amount stated in the City's Task Order or perform additional work or services that are not included in the Task Order

10. COMPENSATION. City shall pay Consultant for the Services performed pursuant to the terms of this Agreement and based on the hourly rates and fees set forth in the

“Schedule of Compensation,” attached to and incorporated into this Agreement as “Exhibit B.” Consultant’s compensation shall not to exceed amount stated in the Task Order. Under no circumstances shall the Consultant perform work in excess of the amount stated in the Task Order or the not to exceed amount listed in Section 5 of this Agreement. Once this Agreement is executed, the Schedule of Compensation may only be modified by written Amendment pursuant to Section 13 of this Agreement, and may be subject to approval by the City Council.

- A. The maximum not to exceed amount for any individual Task Order issued pursuant to this Agreement shall be \$100,000.00 per Task Order or \$200,000, if the Task Order is associated with an identified and approved Capitol Improvement Project.
- B. Annual Rate and Fees adjustments must be requested in writing and shall not exceed 3% and are subject to approval by the City. Annual adjustments shall apply to Task Orders issued after the adjustment is approved and not retroactively to in progress Task Orders.

11. PAYMENT and INVOICES. The City shall pay all undisputed portions of any applicable invoice within thirty (30) days after receipt of an invoice. In the event the City disputes one or more items in an invoice, the City shall, within thirty (30) days after receipt of such invoice, notify the Consultant of the item(s) being disputed and the reason(s) therefore. The City may withhold payment for such disputed items until resolution of the dispute.

- A. Payment Request. Consultant shall submit a payment request to CITY by the end of each calendar month listing the Services provided, costs of those Services, and total amount due for the month. Invoices may be emailed to: pwinvoices@oxnard.org.
- B. Consultant’s acceptance of final payment made pursuant to this Agreement shall constitute a release of City from all claims and liabilities for compensation to Consultant for anything completed, finished or relating to the Services. City’s payment shall not constitute nor be deemed a release of the responsibility and liability of Consultant for the accuracy and competency of the information provided and/or the Services performed hereunder, nor shall such payment be deemed to be an assumption of responsibility or liability by City for any defect or error in the Services performed by Consultant and its employees, agents and subcontracted Consultants.
- C. Consultant shall provide City with a completed Request for Taxpayer Identification Number and Certification, as issued by the Internal Revenue Service. If any sales tax is due for the Services performed by Consultant or materials or products provided to City by Consultant, Consultant shall pay

the sales tax. City shall not reimburse Consultant for sales taxes paid by Consultant.

- D. **Non-Appropriation of Funds.** Payments to be made to Consultant by City for the Services performed within the current fiscal year are within the current fiscal budget and within an available, unexhausted and unencumbered appropriation of City. In the event City does not appropriate sufficient funds for payment of the Services beyond the current fiscal year, this Agreement shall cover payment for the Services only up to the conclusion of the last fiscal year in which City appropriated sufficient funds and shall automatically terminate at that fiscal year's conclusion.

12. OPTION TO EXTEND AGREEMENT. When in the City's best interest, this Agreement may only be extended, if the City, in its discretion, exercises an option term in accordance with Section 4 subparagraphs (B) and (C) of this Agreement. The initial term, plus any option to extend shall not exceed a total of five (5) years. **If no option to extend the Agreement appears in section 4(B), then this Agreement shall not be extended.**

13. MODIFICATION OF AGREEMENT. This Agreement may be amended, modified, or otherwise altered, or its provisions waived, only upon mutual consent of the Parties by written amendment. The City may request that the Consultant perform Extra Services. As used herein, "Extra Services" means any services, which are determined by the City to be necessary for the proper completion of the project, but which the Parties did not reasonably anticipate would be necessary at the execution of this Agreement or any Task Order issued under this Agreement. A written amendment signed by both Parties shall be required to authorize performance of and payment for Extra Services under this Agreement or Task Order.

14. TERMINATION OF AGREEMENT. City may terminate this Agreement at any time, with or without cause and without penalty, upon fifteen (15) calendar days' prior written notice pursuant to Section 22 of this Agreement. Such termination shall be effective on the date specified in the notice, or if no date is specified, then fifteen (15) calendar days from the date of the notice. City shall be liable to Consultant only for work done by Consultant up to and including the date of termination of this Agreement unless the termination is for cause, in which event Consultant need be compensated only to the extent required by law. Consultant may terminate this Agreement at any time during the term of the Agreement by giving the City sixty (60) calendar days' prior written notice.

15. [RESERVED].

16. INDEPENDENT CONTRACTOR. Consultant is and shall at all times remain, as to City, a wholly independent contractor. Neither City nor any of its employees or agents shall have control over the conduct of Consultant or any of its employees, except as stated in this Agreement. Consultant has and shall retain the right to exercise full control over the employment, direction, means of performance, location, compensation and discharge of all persons assisting Consultant. This Agreement shall not be interpreted to prevent or preclude Consultant from rendering any Services for Consultant's own account or to any other person or entity as Consultant in its sole discretion shall determine; provided, however, that performing such Services shall not materially interfere with the Services the Consultant shall perform for the City. The City retains the right to provide general instructions to and observe the Consultant in the performance of all Services done on behalf of the City.

Consultant and its employees, subconsultants, and agents have no authority, express or implied, to act on behalf of City in any capacity, to incur any debt, obligation or liability on behalf of City, bind City in any manner, or otherwise act on behalf of City as an agent. Consultant and its employees are not employees of City. Consultant and its employees are not entitled to receive from City any of the benefits or rights afforded employees of City, including but not limited to reserve leave, sick leave, vacation leave, holiday leave, compensatory leave, Public Employees Retirement System benefits, and health, life, dental, long-term disability and workers' compensation insurance benefits. Consultant shall not, at any time or in any manner, represent that it or any of its agents, subconsultants, or employees are in any manner agents, subconsultants, or employees of City.

17. LAWFUL PERFORMANCE. Consultant shall abide by all federal, state, and local laws and regulations as may be related to the performance of duties under this Agreement. Consultant, at its sole expense, shall obtain and maintain during the term of this Agreement, all appropriate permits, licenses, and certificates that may be required in connection with the performance of Services under this Agreement.

18. SAFETY REQUIREMENTS. Consultant shall not perform any Services for the City when the Consultant is impaired by alcohol or a controlled substance. When there is reasonable cause to believe that any person has violated this provision, that person shall be immediately removed from the premises and be subject to any applicable civil and/or criminal penalties under the City's Code and/or under state law. All work performed under this Agreement shall be performed in such a manner as to provide safety to the public. The City reserves the right to issue restraining or cease and desist orders to Consultant when unsafe or harmful acts are observed or reported relative to the performance of the work under this Agreement. The acceptance of Consultant's work

by City shall not operate as a release of the Consultant from such standard of care and workmanship.

19. STANDARD OF PERFORMANCE; WARRANTY. Consultant agrees to perform all Services required by this Agreement in a professional and competent manner, in accordance with the degree of skill and diligence which is normally employed by reputable professionals performing similar Services under similar conditions in the same or similar locality. Such Services shall also be performed in a manner which is reasonably satisfactory to City Project Manager, or designee (hereinafter the "Project Manager"), provided that discretion in determining what is satisfactory shall not alter the foregoing standard of care.

- A. In accordance with the standard of care set forth in the first sentence of Section 19, the Consultant agrees that it:
 - (1) Has thoroughly reviewed and considered the services and work to be performed; and
 - (2) Has reviewed the issues regarding the Scope of Services and Task Orders to be provided; and
 - (3) Has carefully considered how the services and related work should be performed; and
 - (4) Fully understands the facilities, difficulties and restrictions associated with performance of the services required by this Agreement.

20. OWNERSHIP OF CONSULTANT'S WORK PRODUCT, CONFIDENTIALITY & DISCLOSURE, RECORDS & WARRANTY. City shall be the owner of any and all technical documents and records, including, computations, plans, correspondence, and/or other pertinent data and information, both hard copy and electronic, gathered or prepared by Consultant in performance of this Agreement and shall be entitled to immediate possession of the same upon completion of the work under this Agreement, or at any earlier or later time when the same may be requested by City.

- A. Ownership of Documents. Every report, draft, work product, map, record, and other document reproduced, prepared, or caused to be prepared by the Consultant pursuant to or in connection with this Agreement shall be the exclusive property of the City.
- B. Deliverables. Consultant shall deliver to the City the studies, plans, specifications, or other documents as are identified in the Scope of Services or Task Order; and Consultant shall, upon completion of all work or termination of this Agreement, submit to the City all information developed in the course of the Consultant's services. Consultant shall, in such time and in such form as the City may require, furnish reports concerning the status of Services required under this Agreement. Consultant shall, upon

request by City and upon completion or termination of this Agreement, deliver to the City all material furnished to Consultant by the City.

- C. Records and Inspections. The Consultant shall maintain full and accurate records, with respect to all Services and matters covered under this Agreement. Books and records pertaining to costs shall be kept and prepared in accordance with generally accepted accounting principles. The City shall have free access at all reasonable times to such records, both hard copy and electronic, and the right to examine and audit the same and to make transcripts therefrom, and to inspect all program data, documents, proceedings, and activities.
- D. Confidentiality. Information that is exempt from disclosure to the public is confidential. This includes information relating to the past, present, or future affairs of the City or information belonging to a third party whose information is in the City's possession or control under obligations of confidentiality. Consultant may be granted access to information that is exempt from disclosure to the public (Government Code Section 7920.505) and may contain "trade secrets" (see Government Code Section 7924.510(f)) when it is necessary for Consultant to perform its obligations pursuant to this Agreement. If Consultant is granted such access to confidential information, Consultant shall not be considered to be a member of the public as that term is used in Government Code Section 7920.515.
- E. Disclosure of Information. Consultant shall not disclose, publish, or authorize others to disclose or publish, design data, drawings, specifications, reports, or other information pertaining to the projects assigned to Consultant by the City or other information to which the Consultant has had access during the term of this Agreement without the prior written approval of the City's Designated Representative during the term of this Agreement and for a period of two (2) years after the termination of this Agreement.
- F. No Warranty. Other than an obligation upon the City to deal in good faith, the City makes no warranties and shall bear no liability or responsibility for errors or omissions in any Confidential Information disclosed under this Agreement or for any business decisions made by Consultant in reliance on any Confidential Information disclosed under this Agreement.

21. NOTICE OF BREACH AND OPPORTUNITY TO CURE. Neither Party will be in breach of this Agreement where the breach is capable of being cured, or until written notice of the breach is received from the non-breaching Party. The Party charged with breach will have fifteen (15) calendar days from the date of receiving such notice in which to cure the breach or otherwise respond. If the circumstances leading to the charge that the Agreement was breached have not been cured or explained to the satisfaction of the other Party within fifteen (15) days from the date on which the breaching Party received

notice of breach, the non-breaching Party may terminate this Agreement. Notice shall be given in the manner set forth in section 22.

22. NOTICE. All notices given or required to be given pursuant to this Agreement shall be in writing and may be given by personal delivery or by first-class mail. Notice sent by mail shall be addressed to each Party's Designated Representative as set forth above in Section 7. When addressed in accordance with this Section, such notice shall be deemed given upon deposit in the United States mail, postage prepaid. In all other instances, notices shall be deemed given at the time of actual delivery. Changes may be made in the names or addresses of persons to whom notices are to be given by giving notice in the manner prescribed in this Section.

23. INDEMNIFICATION, HOLD HARMLESS & DEFENSE. Except as set forth in Subsection A of this Section 23, and to the fullest extent permitted by law, Consultant shall immediately defend, indemnify, and hold harmless the City, its officers, employees, representatives, and agents (the "City Indemnitees"), from and against those actions, suits, proceedings, claims, demands, losses, costs, and expenses, including legal costs and reasonable attorneys' fees, for any personal injuries, deaths, or property damage, including property owned by the City (collectively "Claims") which may arise out of Consultant's negligence or willful misconduct in the performance of the services described in this Agreement, unless such Claims are proven to be caused by the negligence or willful misconduct of the City Indemnitees.

A. The provisions of this Subsection apply only in the event that Consultant is a design professional within the meaning of California Civil Code section 2782.8 ("Design Professional"). The term Design Professional, as defined in said section, is limited to licensed architects, licensed landscape architects, registered professional engineers, professional land surveyors, and the business entities that offer such services in accordance with the applicable provisions of the California Business and Professions Code.

(1) Notwithstanding the provisions of Section 23 above, to the extent that the services to be provided under this Agreement are those of a Design Professional, Consultant's duty to indemnify, hold harmless, and defend the City Indemnitees shall be limited to the extent that any Claims arise out of, pertain to, or relate to the negligence, recklessness, or willful misconduct of the Consultant, its officers, agents, employees or subconsultants in the performance of the services described in this Agreement.

(2) In no event shall the costs of defense charged to Consultant exceed the Consultant's proportionate percentage of fault, except as otherwise set forth in said Civil Code section 2782.8, the provisions of which are incorporated into this Agreement by this reference. Nothing in this Subsection b shall be

construed to require Consultant to provide indemnification for Claims caused by the active negligence or willful misconduct of the City Indemnitees

- B. The City does not and shall not waive any rights that it may have against Consultant under this Section, because of the acceptance by the City, or the deposit with the City, of any insurance policy or certificate required pursuant to this Agreement. The hold harmless and indemnification provisions of this Section 23 shall apply regardless of whether said insurance policies are determined to be applicable to the claim, demand, damage, liability, loss, cost, or expense described herein.
- C. The obligation to indemnify and defend, as set forth in this Section 23, is binding on the successors, assigns, or heirs of Consultant and shall survive the expiration or any early termination of this Agreement.

24.INSURANCE. Consultant shall obtain and maintain during the performance of any Services under this Agreement the insurance coverages listed within “Exhibit C”, which is attached hereto and incorporated herein by this reference, unless the Risk Manager waives, in writing, the requirement that Consultant obtain and maintain such insurance coverages. Such insurance must be issued by a company satisfactory to the Risk Manager. Consultant shall, before performance of any Services pursuant to this Agreement, file with the Risk Manager evidence of insurance coverage as specified in “Exhibit C”. Maintenance of insurance coverages by Consultant is a material element of this Agreement. Consultant’s failure to maintain or renew insurance coverages or to provide renewal evidence shall be considered a material breach of this Agreement.

25.LIVING WAGE REQUIREMENTS. During the term of this Agreement, Consultant understands and agrees that if Living Wages are applicable, subject to the 2002 Oxnard City Council Living Wage Policy, attached as “Exhibit D” to this Agreement, Consultant will pay and/or provide the wages and/or benefits required therein to all of its employees engaged in whole or in part in performing the Services provided for by this Agreement. The Living Wage is updated on July 1 of each year, and the duty to pay the correct wage is the responsibility of the Consultant.

26.PREVAILING WAGE REQUIREMENTS. The payment of State prevailing wages as designated for Ventura County shall apply to public works projects. However, this section shall not apply to work performed on a public works project of twenty-five thousand dollars (\$25,000) or less when the project is for construction, alteration, demolition, installation, or repair work; or to work performed on a public works project of fifteen thousand dollars (\$15,000) or less when the project is for maintenance work. Prevailing wages are required to be paid to all workers, including subcontracted employees. For further information regarding Prevailing Wage Requirements please refer to Exhibit “E” attached to this Agreement.

- A. To determine if this Agreement is subject to compliance monitoring and enforcement, go to:
<https://www.dir.ca.gov/Public-Works/PublicWorksSB854FAQ.html>
- B. It is unlawful to split, or separate into small portions, work orders, projects, purchases, or public works projects for the purpose of evading these prevailing wage requirements.
- C. In the event that there is a difference between the amount of wages to be paid under the City of Oxnard's local Living Wage requirements and the requirements of this provision, the wage rate that is the higher of the two shall be applicable to this Agreement. The duty to pay the correct wage is the responsibility of the Consultant.

27. [RESERVED].

28. SUBCONTRACTING. If Consultant requires the assistance of a subcontractor to render any Services under this Agreement, Consultant shall obtain prior written consent from the City before a subcontractor performs any service pursuant to this Agreement. All subcontractors shall be identified in the Scope of Work or Task Order attached to this Agreement as "Exhibit A". Consultant is fully responsible for satisfactory completion of all its subcontractors' work. All subcontractors shall be properly licensed and insured; and bonded, if applicable. Consultant shall be responsible for all liabilities regardless of nature, type, or cause, arising out of or resulting from or in connection with subcontractors performance pursuant to this Agreement or subcontractors failure to comply with any of its obligations in connection with this Agreement.

29. CONFLICT OF INTEREST. Consultant covenants that it does not have any interest, nor shall it acquire any interest, directly or indirectly, which would conflict in any manner with the performance of Consultant's Services under this Agreement. Consultant further covenants that in the performance of Services under this Agreement, no officer, employee or agent of Consultant having such interest shall be employed by it. In the event the City determines that Consultant must disclose its financial interests by completing and filing a Fair Political Practices Commission Form 700, Statement of Economic Interests, Consultant shall file such Form 700 with the City Clerk's Office pursuant to the written instructions provided by the City Clerk. Acquisition or maintenance of a conflicting interest by Consultant may result in termination of this Agreement by the City.

30. DISPUTES. Except as otherwise provided in these provisions, any dispute concerning a question of fact arising under this Agreement, shall be decided by the City's Designated Representative, who shall reduce this decision to writing and mail a copy to the Consultant. The decision of the City's Designated Representative shall be final and

conclusive unless Consultant requests mediation within ten (10) calendar days. Pending final decision of a dispute, the Consultant shall proceed diligently with the performance of the Agreement and in accordance with the decision of the City's Designated Representative.

31. DISPUTE RESOLUTION. Should an unresolved dispute arise out of this Agreement, any Party may request that it be submitted to mediation. The Parties shall meet in mediation within a reasonable time not to exceed forty-five (45) days of a request. The mediator shall be agreed to by the mediating Parties. In the absence of an Agreement on a mediator, the Parties shall each submit one name from mediators listed by the American Arbitration Association, the California State Board of Mediation and Conciliation, or other agreed-upon service. The mediator shall be selected by a "blindfold" process. The cost of mediation shall be borne equally by both Parties. Neither Party shall be deemed the prevailing Party. No Party shall be permitted to file a legal action without first meeting in mediation and making a good faith attempt to reach a mediated settlement. The mediation process, once commenced by a meeting with the mediator, shall last until Agreement is reached by the Parties but not more than sixty (60) calendar days, unless the maximum time is extended in writing by both Parties.

32. ASSIGNMENT. This Agreement is for the professional Services of Consultant. Any attempt by Consultant to assign the benefits or burdens of this Agreement without the prior written approval of City shall be prohibited and shall be null and void. Consultant's Services pursuant to this Agreement shall be provided by the Consultant's Designated Representative or directly under his/her supervision, and Consultant shall not assign another to supervise the Consultant's performance of this Agreement without the prior written approval of City, by and through the City's Designated Representative.

33. CARE OF WORK. Should Consultant discover any latent or unknown conditions materially differing from those inherent in the Services or as represented by the City, Consultant shall immediately inform the City of such fact and shall not provide any Services, except at Consultant's risk, until written instructions are received from the Project Manager.

34. REPORTS. Upon request by the Project Manager or as otherwise required by this Agreement, including but not limited to, the Scope of Services or Task Orders set forth in Exhibit "A", Consultant shall prepare and submit reports to the City concerning Consultant's performance of the Services required by this Agreement.

35. AUDIT. City shall have the option of inspecting, auditing and/or reproducing all records and other written materials used by Consultant in preparing its billings to City as a condition precedent to any payment to Consultant, or for other purposes relating to the

Agreement. Consultant will promptly furnish all documents requested by City. Additionally, if this Agreement is in excess of \$10,000, the State Auditor may examine and audit Consultant for a period of 3 years after final payment under the Agreement. Regardless of whether a State audit is permitted, Consultant shall maintain and preserve all such records for a period of at least 3 years after final payment under the Agreement or until an audit has been completed and accepted by City, whichever occurs later. Consultant shall maintain all such records in City or to promptly reimburse City for all reasonable costs incurred in conducting the audit at a location other than in City, including but not limited to expenses for personnel, salaries, private auditor, travel, lodging, meals and overhead. Consultant shall include a copy of this Section in all contracts with its subcontractors, and Consultant shall be responsible for immediately obtaining those records or other written material from its subcontractors upon a request by the State Auditor and/or City.

36. ADVERTISING AND PUBLICITY. Consultant shall not use the name of or refer to City directly or indirectly in any advertisement, news release, or professional or trade publication without prior written approval from the City Manager. This Section shall survive the termination of this Agreement.

37. NONDISCRIMINATORY EMPLOYMENT. Consultant shall not unlawfully discriminate against any individual based on race, color, religion or religious creed, national origin, ancestry, ethnic group identification, primary language, physical disability, mental disability, medical condition, genetic information, marital status, gender, gender identity, gender expression, sex, sexual orientation, age, immigration status, citizenship or military and veteran status. Consultant understands and agrees that it is bound by and will comply with all legal nondiscrimination mandates. For every subcontractor who will perform Services, Consultant shall be responsible for such subcontractor's compliance with this Section.

38. COVENANTS AND CONDITIONS. Each term and each provision of this Agreement to be performed by Consultant shall be construed to be both a covenant and a condition.

39. WAIVER. City's review or acceptance of, or payment for, work product prepared by Consultant under this Agreement will not be construed to operate as a waiver of any rights City may have under this Agreement or of any cause of action arising from Consultant's performance. A waiver by City of any breach of any term, covenant, or condition contained in this Agreement will not be deemed to be a waiver of any subsequent breach of the same or any other term, covenant, or condition contained in this Agreement, whether of the same or different character.

- 40. FORCE MAJEURE.** Neither the Consultant nor the City shall be responsible for any delay caused by any contingency beyond their control, including, but not limited to, war or insurrection, walkouts by the Party's own employees, fires, natural calamities, riots, or demands or requirements of governmental agencies other than the City.
- 41. GOVERNING LAW.** The terms of this Agreement shall be interpreted according to the laws of the State of California. Should litigation occur, venue shall be in the Superior Court of California, County of Ventura.
- 42. SEVERABILITY.** If any portion of this Agreement is declared by a court of competent jurisdiction to be invalid or unenforceable, then such portion will be deemed modified to the extent necessary in the opinion of the court to render such portion enforceable and, as so modified, such portion and the balance of this Agreement will continue in full force and effect and be enforceable.
- 43. INTEGRATED AGREEMENT.** This Agreement and the attached exhibits referenced herein to this Agreement represent the entire understanding between the Parties. No verbal Agreement or implied covenant shall be held to vary the provisions of this Agreement. This Agreement shall bind and inure to the benefit of the Parties to this Agreement and any subsequent successors and assigns.
- 44. NO THIRD-PARTY BENEFICIARY.** This Agreement shall not be construed to be an Agreement for the benefit of any third-party or parties, and no third party or parties shall have any claim or right of action under this Agreement.
- 45. AUTHORITY TO EXECUTE.** Each Party hereto expressly warrants and represents that the signatories to this Agreement have the authority to execute this Agreement on behalf of its corporation, partnership, business entity, or governmental entity, and warrants and represents that the signatories have the authority to bind each Party to the performance of its obligations hereunder.
- 46. EXECUTION – COUNTERPARTS.** This Agreement may be executed in any number of counterparts and each such duplicate counterpart shall constitute an original, but they shall not be effective nor enforceable unless and until it is executed with the handwritten signature or electronic signature of an authorized representative of each of the relevant Parties. No counterpart shall be deemed to be an original or presumed delivered unless and until the counterpart executed by the other Party to this Agreement is in the physical possession of the Party seeking enforcement thereof.
- 47. INCONSISTENT OR CONFLICTING TERMS.** In the event of any contradictions or inconsistencies between any attached documents or exhibits incorporated by reference

herein and the provisions of the Agreement itself, the terms of the Agreement shall control. Any exhibit that is attached and incorporated by reference shall be limited to the purposes for which it is attached, as specified in this Agreement. Any contractual terms or conditions contained in such exhibit imposing additional obligations on the City are not binding upon the City and City's Designated Representative unless specifically agreed to in writing, and initiated by City's Designated Representative, as to each additional contractual term or condition.

48. CAPTIONS AND HEADINGS. The captions and headings contained in this Agreement are provided for identification purposes only and shall not be interpreted to limit or define the content, scope, or intent of the provisions described under the respective caption or heading.

49. ACKNOWLEDGEMENT. By signing below, Consultant acknowledges that it has reviewed the City's Professional Services Agreement terms and conditions and insurance requirements and that Consultant hereby agrees to full compliance.

[Signatures on next page]

IN WITNESS WHEREOF, the Parties have entered into this Agreement effective on the date as written in Section 4 and upon signature of all Parties.

CITY OF OXNARD

IDS GROUP, INC.

☐ Luis A. Mc Arthur, Mayor ² _____ Date
☐ Jennifer Hiraoka, Purchasing Manager ³

 Said Hilmy, President _____ Date

 Rami Elhassan,
 Secretary,⁴ _____ Date

ATTEST:

 Lourdes A. López, City Clerk _____ Date
 (only if Mayor authorizes)

APPROVED AS TO FORM:

 Stephen M. Fischer, _____ Date
 City Attorney (always required)

² The City Council must authorize and the Mayor must execute any agreement over \$220,000.

³ The Purchasing Agent may execute any authorized agreement up to \$220,000.

⁴ The City requires the following for any contract:

- For a corporation, the signatures of the Board President, CEO or Vice President and of the Board Secretary, Assistant Secretary, CFO or Assistant Treasurer;
- For an LLC, the signatures of at least two managers of the LLC (company directors, not lower-level managers); or
- For a partnership, the signature of a partner. If the partnership is a limited partnership, the signer must be a general partner.

If the company has a different structure, or if the above-listed persons are not the appropriate signers, please submit to the City Attorney legally-binding documentation stating who can sign and bind your company.

EXHIBIT A

PROFESSIONAL SERVICE AGREEMENT (CITY of Oxnard and IDS Group, Inc.)

SCOPE OF SERVICES

PROJECT MANAGER:

Petros Gazazyan
petros.gazazyan@oxnard.org
805-509-9110

General Scope of Work:

The Landscape Architectural Consultant (Consultant) shall provide landscape architectural design services, including but not limited to, the design of parkway and median landscapes, design of landscapes around public buildings, design of public parks, design for playgrounds including surfaces and playground equipment layout, conduct public engagement to communicate the project proposals to neighborhood council and residents, review and provide recommendations for landscape standards, feasibility/concept plan studies and recommendations; preliminary design reports; hiring and managing applicable subconsultants and engineering disciplines as required; preparation of construction plans, specifications and estimates (opinions of construction cost); research of utilities and other records; and such other services as may be required by the CITY. Consultant shall provide services on projects as authorized and directed by CITY under a duly executed and approved Task Order. Consultant shall, in the performance of this Agreement, maintain close communications with the City Project Manager or his/her representative. No services shall be performed on any specific project until the CITY has issued a signed Task Order to Consultant for that particular project.

Work Tasks:

Upon request by CITY, Consultant will perform the following tasks for needed improvements to municipal infrastructure facilities, as applicable for individual projects:

1. The Consultant shall be a State of California Licensed Landscape Architect, experienced in public agency landscape and irrigation improvements and maintenance operations.
2. The Consultant shall provide on-call services to consult with City Staff to address a variety of technical issues including but not limited to field reviews, landscape evaluations, irrigation system evaluation, plant material quality reviews, budgeting, and conceptual design of potential solutions and costs

3. The Consultant shall provide design services (Schematic Design, Design Development, and Construction Documents) for the preparation of plans, specifications, and estimates for landscape improvements, renovations, and Capital Improvement Projects including, but not limited to, landscaping, irrigation (including conversion of potable to recycled water irrigation), site amenities, public art, and landscape and water quality improvements for such facilities as parks, median islands, parkways, sports fields, open spaces, trails, habitat areas and related facilities.

4. The Consultant shall provide design services during construction, including periodic site visits, review of shop drawings, and preparing responses to contractor's RFIs, provide drafting and computer-aided drafting support, perform record drawing, utility, or other searches, perform field investigations and design surveying, prepare record ("as built") drawing, and attend project meetings as necessary.

5. The Consultant shall assist Staff with the review and improvement of the City Code requirements for landscaping and irrigation-related water conservation and water quality, the Landscape Maintenance Specifications, the Tree Maintenance Specifications, the Rodent Control Specifications, and other similar work efforts.

Projects under this Agreement may involve one or more of the following Municipal Infrastructure Improvements:

- Storm drainage collection systems including WQMP and Drainage Reports;
- Post-construction stormwater mitigation systems;
- Arterial, collector, and local streets;
- Transportation system;
- Buildings and other types of facilities;
- Public Park improvements;
- Beach maintenance;
- Other undertakings to be determined.

Individual Project Task Order:

Upon request by CITY, Consultant shall submit for CITY review an individual project proposal including all information required to complete a Task Order for the individual project.

Task Order proposal shall identify the specific tasks to be performed by the Consultant. Tasks shall be listed in chronological order reflecting the entire scope of work as requested by the CITY, along with an estimated cost per task and a combined total Not-to-Exceed cost.

Proposals shall contain the names and titles of Consultant's personnel assigned to perform the work and specifically identify the individual who will be the Project Manager.

Proposals shall contain a project schedule indicating the various tasks and estimated time required to complete each task. Consultant's project schedule shall reflect all work to be

performed by the Consultant from initial execution through completion.

City of Oxnard

Insert Department Name

305 West Third Street, East Wing Oxnard, California 93030

TASK ORDER

All Task Orders must include a copy
of the vendor proposal/estimate

Task Order No.:	Agreement No.:
Task Order NTE Amount:	Agreement NTE Amount:
City Purchase Order No.:	Agreement Type:
Agreement Expiration Date:	
Prime Consultant:	Subconsultant(s):

PROJECT TITLE OR SPECIFICATION NO.:

PROJECT DESCRIPTION:

DESCRIPTION OF SERVICES TO BE PERFORMED UNDER THIS TASK ORDER:

TIME FOR COMPLETION OF SERVICES UNDER THIS TASK ORDER:

COMPENSATION FOR SERVICES SHALL NOT EXCEED THE TASK ORDER NTE AMOUNT.

City Project Manager:

Consultant Project Manager:

Services under this Task Order shall not proceed until this Task Order is executed by the City and Consultant and the City issues a Notice to Proceed. This Task Order may only be modified in writing and subject to City approval. Consultant shall not exceed the scope of the task order or NTE amount.

City of Oxnard

[Consultant]

[designated rep] Date

[Name & Title] Date

Insert Department
Assistant Director/Director Date

[Name & Title] Date

For internal City Use Only

Account Number and Project Number	Example 1011234-53200-CXXXX
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EXHIBIT B

PROFESSIONAL SERVICE AGREEMENT (CITY of Oxnard and IDS Group, Inc.)

SCHEDULE OF COMPENSATION

Architectural		Engineering	
Title	Hourly Rate	Title	Hourly Rate
Principal	\$235.00	Principal	\$235.00
Associate Principal	\$225.00	Associate Principal	\$223.00
Senior Project Manager	\$215.00	Senior Project Manager	\$215.00
Project Manager	\$200.00	Project Manager	\$200.00
Senior Architect (RA)	\$195.00	Senior Project Engineer (SE)	\$195.00
Architect (RA)	\$175.00	Senior Project Engineer (PE)	\$190.00
Senior Designer	\$170.00	Engineer (SE)	\$190.00
Designer	\$160.00	Engineer (PE)	\$175.00
Job Captain	\$140.00	Senior Designer	\$170.00
BIM Designer	\$139.00	Designer	\$160.00
CAD Drafting	\$120.00	BIM Designer	\$139.00
Senior Planner	\$211.00	CAD Drafting	\$120.00
Planner	\$175.00	QA/QC Manager	\$214.00
Sr. Landscape Architect (RA)	\$150.00	Senior Office Administration	\$75.00
Landscape Architect (RA)	\$125.00	Administration and Accounting	\$70.00
QA/QC Manager	\$214.00		
Senior Office Administration	\$75.00		
Administration and Accounting	\$70.00		

Surveying		Preconstruction/Cost Estimation	
Title	Hourly Rate	Title	Hourly Rate
Two-Person Survey Crew	\$310.00	Senior Cost Estimator	\$175.00
Senior Surveyor (In house)	\$200.00	Cost Estimator	\$170.00
Lead Surveyor (In house)	\$110.00		

Expenses such as, but not limited to, plan check fees, permits, inspections, testing services, title company fees, special delivery charges, plotting/ presentation boards, maps, aerial photographs, and reprographics/ illustrations that may be required for community or other stakeholder presentations shall be billed to the owner at the Consultant's direct cost.

EXHIBIT C

PROFESSIONAL SERVICES AGREEMENT (CITY of Oxnard and IDS Group, Inc.)

INSURANCE REQUIREMENTS

Prior to contract approval and beginning of services under this agreement, Consultant must procure, agree to maintain and supply evidence of insurance at the levels listed and in accordance with the other provisions listed in this document.

[SEE NEXT PAGES]

**INSURANCE REQUIREMENTS FOR CONSULTANTS
(WITH ERRORS AND OMISSIONS REQUIREMENT)**

1. Consultant shall obtain and maintain during the performance of any services under this Agreement the following insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of services hereunder by Consultant, its agents, representatives, employees or subconsultants.

a. Commercial General Liability Insurance, including Contractual Liability, in an amount not less than \$1,000,000 combined single limit for bodily injury and property damage for each claimant for general liability with coverage equivalent to Insurance Services Office Commercial General Liability Coverage (Occurrence Form CG 0001). If a general aggregate limit is used, that limit shall apply separately to the project or shall be twice the occurrence amount;

b. Business automobile liability insurance in an amount not less than \$1,000,000 combined single limit for bodily injury and property damage for each claimant for automobile liability with coverage equivalent to Insurance Services Office automobile liability coverage (Occurrence Form CA0001) covering Code No. 1, "any auto;"

c. Professional liability/errors and omissions insurance appropriate to Consultant's profession to a minimum coverage of \$1,000,000, with neither Consultant nor listed subconsultants having less than \$500,000 individually. The professional liability/errors and omissions insurance must be project specific with at least a one year extended reporting period, or longer upon request.

d. Workers' compensation insurance in compliance with the laws of the State of California, and employer's liability insurance in an amount not less than \$1,000,000 per claimant. Additionally, the workers' compensation policy shall include a waiver of all rights of subrogation which the insurer may have against the City.

2. Consultant shall, prior to performance of any services, file with the Risk Manager certificates of insurance with original endorsements effecting coverage required by this Exhibit INS-A. The certificates and endorsements for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. The certificates and endorsements are to be on the attached forms or on other forms approved by the Risk Manager. All certificates and endorsements are to be received and approved by the Risk Manager before commencement of services. City reserves the right to require complete certified copies of all required insurance policies at any time. The certificates of insurance and endorsements shall be sent via email. If you have not received your request or are having difficulty with electronic upload, contact insurance@oxnard.org

3. Consultant agrees that all insurance coverages shall be provided by a California admitted insurance carrier with an A.M. Best rating of A:VII or better and shall be endorsed to state that coverage may not be suspended, voided, canceled, or reduced in coverage or limits without 30 days' prior written notice to the Risk Manager. The Risk Manager shall not approve or accept any endorsement if the endorsement contains "best effort" modifiers or if the insurer is relieved from the responsibility to give such notice.

4. Consultant agrees that the commercial general liability and business automobile liability insurance policies shall be endorsed to name City, its City Council, officers, employees, agents and volunteers as additional insureds as respects: liability arising out of activities performed by or on behalf of Consultant; products and completed operations of Consultant; premises owned, occupied or used by Consultant; or automobiles owned, leased, hired or borrowed by Consultant. The coverage shall contain no special limitations on the scope of protection afforded to City, its City Council, officers, employees, agents and volunteers. The General Liability Special Endorsement Form and Automobile Liability Special Endorsement Form attached to this Exhibit INS-A or substitute forms containing the same information and acceptable to the Risk Manager shall be used to provide the endorsements (ISO form CG 2010 11/85 or if not available, CG 2010 with an edition date prior to 01/04 and CG 2037).

5. The coverages provided to City shall be primary and not contributing to or in excess of any existing City insurance or self-insurance coverages (this must be endorsed). Additionally, the workers' compensation policy shall include a waiver of all rights of subrogation which the insurer may have against the City. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to City, its City Council, officers, employees and volunteers. The insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

6. The insurer shall declare any deductibles or self-insured retentions to and be approved by the Risk Manager. At the option of the Risk Manager, either the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects City, its City Council, officers, employees and volunteers, or the Consultant shall procure a bond guaranteeing payment of losses and related investigations, claim administration and defense expenses.

7. All insurance standards applicable to Consultant shall also be applicable to Consultant's subconsultants. Consultant agrees to maintain appropriate agreements with subconsultants and to provide proper evidence of coverage upon receipt of a written request from the Risk Manager.

INSTRUCTION FOR SUBMITTING INSURANCE CERTIFICATES AND ENDORSEMENT FORMS*Certificates of Insurance*

The sample accord form on the following page is provided to facilitate your preparation and submission of certificates of insurance. You may use this or any industry form that shows coverage as broad as that shown on the attached sample. **Please note the certificate holder address must be as shown on the attached sample accord form with the contract number and insurance exhibit identification information completed.** Improperly addressed certificates may delay the contract start-up date because the City's practice is to return unidentifiable insurance certificates to the insured for clarification as to the contract number. **Cancellation provisions must be endorsed to the policy. Modifying the certificate does not change coverage or obligate the carrier to provide notice of cancellation.**

Endorsement Forms

Original endorsements are required for commercial general liability and business automobile liability insurance policies and must be attached to the applicable certificate of insurance. City preference is that the Consultant/insurer use the endorsement forms which are attached. Substitute forms will be accepted, however, as long as they include provisions comparable to the sample accord form.

INS-A.doc

Exhibit INS-A

ACORD CERTIFICATE OF INSURANCE				ISSUE DATE (MM/DD/YY)	
PRODUCER		THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.			
CODE	SUB-CODE	COMPANIES AFFORDING INSURANCE COVERAGE			
INSURED		COMPANY LETTER A SPECIFY COMPANY NAMES IN THIS SPACE			
		COMPANY LETTER B			
COVERAGES THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.					
CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
A	GENERAL LIABILITY [x] COMMERCIAL GENERAL LIABILITY [] CLAIMS MADE [x] OCCUR. [x] OWNER'S & CONTRACTOR'S PROT.				GENERAL AGGREGATE \$1,000,000 PRODUCTS COMP/OP AGG. \$1,000,000 PERSONAL & ADV. INJURY \$1,000,000 EACH OCCURRENCE \$1,000,000 FIRE DAMAGE (Any one fire) \$ MED. EXPENSE (Any one person) \$
A	AUTOMOBILE LIABILITY [x] ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS HIRED AUTOS NON-OWNED AUTOS GARAGE LIABILITY				COMBINED SINGLE \$1,000,000 LIMIT BODILY INJURY \$ (Per person) BODILY INJURY \$ (Per accident) PROPERTY DAMAGE \$
A	EXCESS LIABILITY UMBRELLA FORM OTHER THAN UMBRELLA FORM				EACH OCCURRENCE \$ AGGREGATE \$
A	WORKERS' COMPENSATION AND EMPLOYERS' LIABILITY				STATUTORY LIMITS EACH ACCIDENT \$1,000,000 DISEASE-POLICY LIMIT \$1,000,000 DISEASE-EACH EMPLOYEE \$1,000,000
A	OTHER Errors and omissions insurance or malpractice insurance available for the insured's profession				Minimum coverage \$1,000,000 Each consultant/ & listed sub-consultant \$500,000
DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/RESTRICTIONS/SPECIAL ITEMS					
CERTIFICATE HOLDER CITY OF OXNARD % Evident ID, Inc. 8520 Allison Pointe Blvd. Ste 223 PMB 5210 Indianapolis, Indiana 46250-4299 US			CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.		
			AUTHORIZED REPRESENTATIVE		

Rev. 1/23

INS-A.doc

EXHIBIT D

PROFESSIONAL SERVICES AGREEMENT (CITY of Oxnard and IDS Group, Inc.)

LIVING WAGE POLICY

Pursuant to the Living Wage Policy adopted July 9, 2002 by the City Council and effective October 1, 2002, the City Manager and City Attorney are directed to include the following language in all standard Consultant/Professional Services contracts that may be governed by the Living Wage Policy.

- A. Consultant shall compensate any employee of Consultant who provides Services under this Agreement in accordance with the Living Wage Policy, attached hereto and incorporated herein by reference as the Living Wage Policy Exhibit. While this Agreement is in effect, Consultant shall pay such employee no less than \$20.06 per hour for each hour that such employee provides Services under this Agreement. In addition, while this Agreement is in effect, Consultant shall provide to such employee no less than 96 hours of paid leave per calendar year.
- B. Consultant agrees to post, at a location readily accessible to those employees providing Services to the City, a copy of the Living Wage Policy adopted by City Council on July 9, 2002 and effective October 1, 2002.
- C. If Consultant fails to compensate such employee pursuant to the Living Wage Policy, the City Manager or designee shall terminate this Agreement on written notice to Consultant, effective immediately.
- D. In addition, if Consultant fails to comply with the Living Wage Policy in any manner, Consultant shall pay to City a fine of \$500 and shall pay to any employee providing Services under this Agreement a penalty of three times the amount or value of the compensation owed to such employee under the Living Wage Policy. Consultant shall pay such fine and penalty within fifteen (15) calendar days after the City Manager or designee provides written notice to Consultant of the amount owed.

**CITY OF OXNARD LIVING WAGE REQUIREMENTS
EFFECTIVE JULY 1, 2025**

Consultant shall compensate any employee of Consultant who provides Services under this Agreement in accordance with the Living Wage Policy, attached hereto and incorporated herein by reference as Exhibit D. While this Agreement is in effect, Consultant shall pay such employee no less than \$20.06 per hour for each hour that such employee provides Services under this Agreement. This hourly rate shall be adjusted on July 1, 2026, and each July 1 thereafter, according to the percentage change in the Consumer Price Index, all items, prepared by the Bureau of Labor Statistics for the Los Angeles area relating to all urban consumers (CPI-U), index base 1982-84=100, comparing May of the previous year to May of the current year. In addition, while this Agreement is in effect, Consultant shall provide to such employee no less than 96 hours of paid leave per calendar year.

a. Consultant agrees to post, at a location readily accessible to those employees providing Services to the City, a copy of the Living Wage Policy adopted by the Oxnard City Council on July 9, 2002 and effective October 1, 2002.

b. If Consultant fails to compensate such employee pursuant to the Living Wage Policy, the City Manager or designee shall terminate this Agreement on written notice to Consultant, effective immediately.

c. In addition, if Consultant fails to comply with the Living Wage Policy in any manner, Consultant shall pay to City a fine of \$500 and shall pay to any employee providing Services under this Agreement a penalty of three times the amount or value of the compensation owed to such employee under the Living Wage Policy. Consultant shall pay such fine and penalty within fifteen (15) calendar days after the City Manager or designee provides written notice to Consultant of the amount owed.

EXHIBIT E

PROFESSIONAL SERVICES AGREEMENT (CITY of Oxnard and IDS Group, Inc.) PREVAILING WAGE

1. Consultant acknowledges that the Project defined in the Agreement between Consultant and City is a “public work” as defined in Division 2, Part 7, Chapter 1 of the California Labor Code (“Chapter 1”), and that this Agreement is subject to Chapter 1 and the rules and regulations established by the Director of Industrial Relations (“DIR”) implementing such statutes. Consultant shall perform the Project as a public work. Consultant shall comply with and be bound by all the terms, rules and regulations described in Chapter 1 and the DIR’s rules and regulations as though set forth in full herein.
2. Pursuant to Labor Code Section 1773.2, copies of the prevailing rate of per diem wages for each craft, classification, or type of worker needed to perform the Agreement are on file at City Hall and will be made available to any interested party on request. Consultant acknowledges receipt of a copy of the DIR determination of such prevailing rate of per diem wages, and Consultant shall post such rates at each job site covered by this Agreement.
3. Consultant is required to post job site notices, as prescribed by regulation. See Labor Code Section 1771.4(a)(2).
4. Consultant shall comply with and be bound by the provisions of Labor Code Sections 1774 and 1775 concerning the payment of prevailing rates of wages to workers and the penalties for failure to pay prevailing wages. Consultant shall, as a penalty to City, forfeit not more than \$200 for each calendar day or portion thereof for each worker paid less than the DIR’s determined prevailing rates for the work or craft in which the worker is employed pursuant to this Agreement by Consultant or any subcontractor. The Labor Commissioner shall determine the amount of the penalty as described in Section 1775.
5. Consultant shall comply with Labor Code Section 1776, which requires Consultant and each subcontractor to (1) keep accurate payroll records and verify such records in writing under penalty of perjury, (2) certify and make such payroll records available for inspection, and (3) inform City of the location of the records.
6. Consultant shall comply with Labor Code Sections 1777.5, 1777.6 and 1777.7 and California Administrative Code Title 8, Section 200 et seq. concerning the employment of apprentices on public works projects for all apprenticeable occupations. Before commencing work under this Agreement, Consultant shall provide City with a copy of the information submitted to any applicable apprenticeship program. Within 60 days after concluding the Project, Consultant and each of its subcontractors shall submit to City a verified statement of the journeyman and apprentice hours performed under this Agreement.

7. Consultant may not be debarred or suspended throughout the Agreement Term pursuant to Labor Code Section 1777.1 or 1777.7. If he, she or it becomes debarred or suspended in the Agreement Term, Consultant must immediately notify City.

8. Consultant is not qualified to bid on, be listed in a Bid proposal, or engage in the performance of any contract for public work, as defined in Labor Code Sections 1720 through 1861, unless currently registered and qualified to perform public work pursuant to Labor Code Section 1725.5. Consultant shall continue without interruption to stay registered and qualified to perform public work pursuant to Section 1725.5 for the duration of the term of this Agreement. This provision does not apply to construction, alteration, demolition, installation or repair work of \$25,000 or less or to maintenance work of \$15,000 or less.

9. Consultant acknowledges that 8 hours labor constitutes a legal day's work. Consultant shall comply with and be bound by Labor Code Section 1810.

10. Consultant shall comply with and be bound by Labor Code Section 1813 concerning penalties for workers who work excess hours. Consultant shall, as a penalty to City, forfeit \$25 for each worker employed in the performance of this Agreement by Consultant or by any subcontractor for each calendar day during which such worker is required or permitted to work more than 8 hours in any calendar day and 40 hours in any one calendar week in violation of the provisions of Division 2, Part 7, Chapter 1, Article 3 of the Labor Code. Pursuant to Labor Code Section 1815, work performed by Consultant's employees in excess of 8 hours per day and 40 hours per week shall be permitted upon public work upon compensation for all hours worked in excess of 8 hours per day at not less than 1 ½ times the basic rate of pay.

11. The Project listed in the Agreement is subject to compliance monitoring and enforcement by the DIR.

12. Consultant shall be responsible for each and every one of its subcontractors' compliance with Chapter 1, the DIR's rules and regulations, and Labor Code Sections 1860 and 3700. Consultant shall include in the written contract between it and each subcontractor a copy of, and a requirement that each subcontractor shall comply with, those statutory provisions. Consultant shall be required to take all actions necessary to enforce such contractual provisions and ensure subcontractors' compliance, including without limitation, conducting a periodic review of the certified payroll records of each subcontractor, and upon becoming aware of the failure of the subcontractor to pay its workers the specified prevailing rate of wages, Consultant shall diligently take corrective action to halt or rectify any failure.

13. To the maximum extent, Consultant shall hold harmless, defend (with counsel approved by the City Attorney) and indemnify City, its legislative bodies, and its officials, officers, employees and agents from any demand or claim for damages, compensation, fines, penalties or other amounts arising out of or incidental to any acts or omissions listed above by any person or entity (including Consultant, its subcontractors, and each of their officials, officers, employees and agents) in connection with any work undertaken or in connection with the Agreement, including without limitation the payment of all attorneys' fees and other related costs. All duties of Consultant under this Section shall survive Agreement termination.

**ON-CALL PROFESSIONAL SERVICES AGREEMENT
BETWEEN
THE CITY OF OXNARD AND PACIFIC COAST LAND DESIGN, INC.**

By This On-Call Professional Services Agreement (“Agreement”), the City of Oxnard (“City”) agrees to engage the Services of Pacific Coast Land Design, Inc. (“Consultant”), and Consultant agrees to perform the Services for City as herein described, for the compensation, during the term, and otherwise subject to the covenants and conditions herein set forth. City and Consultant may be individually referred to as “Party” or collectively as the “Parties.”

1. [INTENTIONALLY OMITTED].

2. SUMMARY DESCRIPTION OF SERVICES.

Landscape Architectural Consultant shall provide landscape architectural design services, including but not limited to, the design of parkway and median landscapes, design of landscapes around public buildings, design of public parks, design for playgrounds including surfaces and playground equipment layout, conduct public engagement to communicate the project proposals to neighborhood council and residents, review and provide recommendations for landscape standards, feasibility/concept plan studies and recommendations; preliminary design reports; hiring and managing applicable subconsultants and engineering disciplines as required; preparation of construction plans, specifications and estimates (opinions of construction cost); research of utilities and other records; and such other services as may be required by the CITY.

The Services to be performed pursuant to this agreement will be limited to the particular professional services that are identified in the Scope of Services, attached hereto as Exhibit A. Consultant has been prequalified to perform the particular services required by the City and the City shall issue Task Orders describing the particular project or services required by the City to the prequalified consultants and consultants shall submit a responsive proposal to the City’s Project Manager.

Consultant is not the exclusive provider of services to the City. The City does not guarantee a specified amount of work under this on-call agreement.

3. PARTIES.

City of Oxnard, a general law and municipal corporation of the State of California, located at 300 West Third Street, Oxnard California 93030.

Pacific Coast Land Design, Inc., a corporation of the State of California, located at 461 E. Main Street, Ventura, CA 93001.

4. TERM OF AGREEMENT: From: October 8, 2025 To: October 7, 2028

- A. Time is of the essence in this Agreement
- B. The City shall have the option to exercise (2) consecutive (1) one-year term extensions, in accordance with the scope of work and terms and conditions of this Agreement. Any price negotiations, if allowed, shall be negotiated at the time of contract extension.
- C. This Agreement shall not exceed a total of five (5) years (including the initial term and any options to extend). The City in its sole discretion may exercise the option terms upon sixty (60) days written notice to the Consultant (or any other time if the parties so agree) in accordance with Section 12 of this Agreement. The option term shall be commenced by an amendment to this agreement.
- D. All Services required of Consultant under this Agreement shall be completed on or before the end of the term of the Agreement.

5. AGREEMENT AMOUNT NOT TO EXCEED: \$750,000.00 ¹

6. AGREEMENT EXHIBITS. The following documents memorialized below are the only exhibits to this Agreement and are incorporated by reference as though fully set forth herein. In the event of a conflict between the Exhibits and this Agreement, the Agreement controls.

- Exhibit A: Scope of Services and Task Order Template
- Exhibit B: Schedule of Compensation
- Exhibit C: Insurance Requirements: City Insurance Exhibit INS-A
- Exhibit D: Living Wage Policy
- Exhibit E: Prevailing Wage Policy

7. DESIGNATED REPRESENTATIVES. The Designated Representatives listed below shall be authorized to act on behalf of the named Party, be responsible for negotiations and contractual matters, and coordinate with each other to perform the Services under this Agreement. Additionally, Consultant's Services shall be performed or immediately supervised by the Consultant's Representative:

¹ This is not a guaranteed dollar amount. No services or work performed pursuant to a Task Order shall exceed the "Not to Exceed" Amount of the Contract or the agreed upon amount stated in the Task Order.

City Designated Representative Name: Petros Gazazyan Title: Construction Project Manager Phone: 805-509-9110 Email: petros.gazazyan@oxnard.org Address: 305 West Third Street, East Wing, Second Floor, Oxnard, CA 93030	Consultant Designated Representative Name: Mike Zielsdorf Title: Managing Principal/CEO/CFO Phone: (805) 715-4204 Email: mike@pc-ld.com Address: 461 E. Main Street, Ventura, CA 93001
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8. CONTRACTUAL PREREQUISITIES. This Agreement must first be executed by the Consultant, after which the Agreement shall be approved as to form by the City Attorney, then executed by the Mayor, or an authorized person on behalf of the City, and if executed by the Mayor shall also be executed by the City Clerk.

- A. Consultant is advised that any recommendation for Agreement award is not binding on City until the Agreement is fully executed and approved by the City.
- B. All proof of a City tax certificate, insurance, and W-9 forms is required prior to execution of this Agreement.
- C. Consultant shall not perform any work under this Agreement until a proof of insurance has been provided to the City as required under Section 24 of this Agreement.

9. CONSULTANT'S SERVICES.

- A. Consultant shall perform only the type or category of services as set forth in the "Scope of Services," and pursuant to the information contained in the Task Orders issued pursuant to this agreement.
- B. Task Orders may only be modified in writing by the City's Project Manager or Designated Representative.
- C. The Services issued pursuant to a Task Order shall be coordinated with the designated City Project Manager set forth in Exhibit A and are subject to the direction of the City Manager or Department Director. Consultant hereby designates as its Project Manager, the individual identified in Section 7 of this Agreement, as the person responsible for the Services who shall coordinate with City's Project Manager in executing the Scope of Services and Task Order(s) under this Agreement.
- D. Under no circumstances shall the Consultant exceed the amount stated in the City's Task Order or perform additional work or services that are not included in the Task Order

10. COMPENSATION. City shall pay Consultant for the Services performed pursuant to the terms of this Agreement and based on the hourly rates and fees set forth in the "Schedule of Compensation," attached to and incorporated into this Agreement as

“Exhibit B.” Consultant’s compensation shall not to exceed amount stated in the Task Order. Under no circumstances shall the Consultant perform work in excess of the amount stated in the Task Order or the not to exceed amount listed in Section 5 of this Agreement. Once this Agreement is executed, the Schedule of Compensation may only be modified by written Amendment pursuant to Section 13 of this Agreement, and may be subject to approval by the City Council.

- A. The maximum not to exceed amount for any individual Task Order issued pursuant to this Agreement shall be \$100,000.00 per Task Order or \$200,000, if the Task Order is associated with an identified and approved Capitol Improvement Project.
- B. Annual Rate and Fees adjustments must be requested in writing and shall not exceed 3% and are subject to approval by the City. Annual adjustments shall apply to Task Orders issued after the adjustment is approved and not retroactively to in progress Task Orders.

11. PAYMENT and INVOICES. The City shall pay all undisputed portions of any applicable invoice within thirty (30) days after receipt of an invoice. In the event the City disputes one or more items in an invoice, the City shall, within thirty (30) days after receipt of such invoice, notify the Consultant of the item(s) being disputed and the reason(s) therefore. The City may withhold payment for such disputed items until resolution of the dispute.

- A. Payment Request. Consultant shall submit a payment request to CITY by the end of each calendar month listing the Services provided, costs of those Services, and total amount due for the month. Invoices may be emailed to: pwinvoices@oxnard.org.
- B. Consultant’s acceptance of final payment made pursuant to this Agreement shall constitute a release of City from all claims and liabilities for compensation to Consultant for anything completed, finished or relating to the Services. City’s payment shall not constitute nor be deemed a release of the responsibility and liability of Consultant for the accuracy and competency of the information provided and/or the Services performed hereunder, nor shall such payment be deemed to be an assumption of responsibility or liability by City for any defect or error in the Services performed by Consultant and its employees, agents and subcontracted Consultants.
- C. Consultant shall provide City with a completed Request for Taxpayer Identification Number and Certification, as issued by the Internal Revenue Service. If any sales tax is due for the Services performed by Consultant or materials or products provided to City by Consultant, Consultant shall pay the sales tax. City shall not reimburse Consultant for sales taxes paid by Consultant.

D. **Non-Appropriation of Funds.** Payments to be made to Consultant by City for the Services performed within the current fiscal year are within the current fiscal budget and within an available, unexhausted and unencumbered appropriation of City. In the event City does not appropriate sufficient funds for payment of the Services beyond the current fiscal year, this Agreement shall cover payment for the Services only up to the conclusion of the last fiscal year in which City appropriated sufficient funds and shall automatically terminate at that fiscal year's conclusion.

12. OPTION TO EXTEND AGREEMENT. When in the City's best interest, this Agreement may only be extended, if the City, in its discretion, exercises an option term in accordance with Section 4 subparagraphs (B) and (C) of this Agreement. The initial term, plus any option to extend shall not exceed a total of five (5) years. **If no option to extend the Agreement appears in section 4(B), then this Agreement shall not be extended.**

13. MODIFICATION OF AGREEMENT. This Agreement may be amended, modified, or otherwise altered, or its provisions waived, only upon mutual consent of the Parties by written amendment. The City may request that the Consultant perform Extra Services. As used herein, "Extra Services" means any services, which are determined by the City to be necessary for the proper completion of the project, but which the Parties did not reasonably anticipate would be necessary at the execution of this Agreement or any Task Order issued under this Agreement. A written amendment signed by both Parties shall be required to authorize performance of and payment for Extra Services under this Agreement or Task Order.

14. TERMINATION OF AGREEMENT. City may terminate this Agreement at any time, with or without cause and without penalty, upon fifteen (15) calendar days' prior written notice pursuant to Section 22 of this Agreement. Such termination shall be effective on the date specified in the notice, or if no date is specified, then fifteen (15) calendar days from the date of the notice. City shall be liable to Consultant only for work done by Consultant up to and including the date of termination of this Agreement unless the termination is for cause, in which event Consultant need be compensated only to the extent required by law. Consultant may terminate this Agreement at any time during the term of the Agreement by giving the City sixty (60) calendar days' prior written notice.

15. [RESERVED].

16. INDEPENDENT CONTRACTOR. Consultant is and shall at all times remain, as to City, a wholly independent contractor. Neither City nor any of its employees or agents shall have control over the conduct of Consultant or any of its employees, except as stated in this Agreement. Consultant has and shall retain the right to exercise full control over the

employment, direction, means of performance, location, compensation and discharge of all persons assisting Consultant. This Agreement shall not be interpreted to prevent or preclude Consultant from rendering any Services for Consultant's own account or to any other person or entity as Consultant in its sole discretion shall determine; provided, however, that performing such Services shall not materially interfere with the Services the Consultant shall perform for the City. The City retains the right to provide general instructions to and observe the Consultant in the performance of all Services done on behalf of the City.

Consultant and its employees, subconsultants, and agents have no authority, express or implied, to act on behalf of City in any capacity, to incur any debt, obligation or liability on behalf of City, bind City in any manner, or otherwise act on behalf of City as an agent. Consultant and its employees are not employees of City. Consultant and its employees are not entitled to receive from City any of the benefits or rights afforded employees of City, including but not limited to reserve leave, sick leave, vacation leave, holiday leave, compensatory leave, Public Employees Retirement System benefits, and health, life, dental, long-term disability and workers' compensation insurance benefits. Consultant shall not, at any time or in any manner, represent that it or any of its agents, subconsultants, or employees are in any manner agents, subconsultants, or employees of City.

17. LAWFUL PERFORMANCE. Consultant shall abide by all federal, state, and local laws and regulations as may be related to the performance of duties under this Agreement. Consultant, at its sole expense, shall obtain and maintain during the term of this Agreement, all appropriate permits, licenses, and certificates that may be required in connection with the performance of Services under this Agreement.

18. SAFETY REQUIREMENTS. Consultant shall not perform any Services for the City when the Consultant is impaired by alcohol or a controlled substance. When there is reasonable cause to believe that any person has violated this provision, that person shall be immediately removed from the premises and be subject to any applicable civil and/or criminal penalties under the City's Code and/or under state law. All work performed under this Agreement shall be performed in such a manner as to provide safety to the public. The City reserves the right to issue restraining or cease and desist orders to Consultant when unsafe or harmful acts are observed or reported relative to the performance of the work under this Agreement. The acceptance of Consultant's work by City shall not operate as a release of the Consultant from such standard of care and workmanship.

19. STANDARD OF PERFORMANCE; WARRANTY. Consultant agrees to perform all Services required by this Agreement in a professional and competent manner, in accordance with the degree of skill and diligence which is normally employed by

reputable professionals performing similar Services under similar conditions in the same or similar locality. Such Services shall also be performed in a manner which is reasonably satisfactory to City Project Manager, or designee (hereinafter the "Project Manager"), provided that discretion in determining what is satisfactory shall not alter the foregoing standard of care.

- A. In accordance with the standard of care set forth in the first sentence of Section 19, the Consultant agrees that it:
 - (1) Has thoroughly reviewed and considered the services and work to be performed; and
 - (2) Has reviewed the issues regarding the Scope of Services and Task Orders to be provided; and
 - (3) Has carefully considered how the services and related work should be performed; and
 - (4) Fully understands the facilities, difficulties and restrictions associated with performance of the services required by this Agreement.

20. OWNERSHIP OF CONSULTANT'S WORK PRODUCT, CONFIDENTIALITY & DISCLOSURE, RECORDS & WARRANTY. City shall be the owner of any and all technical documents and records, including, computations, plans, correspondence, and/or other pertinent data and information, both hard copy and electronic, gathered or prepared by Consultant in performance of this Agreement and shall be entitled to immediate possession of the same upon completion of the work under this Agreement, or at any earlier or later time when the same may be requested by City.

- A. Ownership of Documents. Every report, draft, work product, map, record, and other document reproduced, prepared, or caused to be prepared by the Consultant pursuant to or in connection with this Agreement shall be the exclusive property of the City.
- B. Deliverables. Consultant shall deliver to the City the studies, plans, specifications, or other documents as are identified in the Scope of Services or Task Order; and Consultant shall, upon completion of all work or termination of this Agreement, submit to the City all information developed in the course of the Consultant's services. Consultant shall, in such time and in such form as the City may require, furnish reports concerning the status of Services required under this Agreement. Consultant shall, upon request by City and upon completion or termination of this Agreement, deliver to the City all material furnished to Consultant by the City.
- C. Records and Inspections. The Consultant shall maintain full and accurate records, with respect to all Services and matters covered under this Agreement. Books and records pertaining to costs shall be kept and prepared in accordance with generally accepted accounting principles. The City shall have free access at all reasonable times to such records, both

hard copy and electronic, and the right to examine and audit the same and to make transcripts therefrom, and to inspect all program data, documents, proceedings, and activities.

- D. Confidentiality. Information that is exempt from disclosure to the public is confidential. This includes information relating to the past, present, or future affairs of the City or information belonging to a third party whose information is in the City's possession or control under obligations of confidentiality. Consultant may be granted access to information that is exempt from disclosure to the public (Government Code Section 7920.505) and may contain "trade secrets" (see Government Code Section 7924.510(f)) when it is necessary for Consultant to perform its obligations pursuant to this Agreement. If Consultant is granted such access to confidential information, Consultant shall not be considered to be a member of the public as that term is used in Government Code Section 7920.515.
- E. Disclosure of Information. Consultant shall not disclose, publish, or authorize others to disclose or publish, design data, drawings, specifications, reports, or other information pertaining to the projects assigned to Consultant by the City or other information to which the Consultant has had access during the term of this Agreement without the prior written approval of the City's Designated Representative during the term of this Agreement and for a period of two (2) years after the termination of this Agreement.
- F. No Warranty. Other than an obligation upon the City to deal in good faith, the City makes no warranties and shall bear no liability or responsibility for errors or omissions in any Confidential Information disclosed under this Agreement or for any business decisions made by Consultant in reliance on any Confidential Information disclosed under this Agreement.

21. NOTICE OF BREACH AND OPPORTUNITY TO CURE. Neither Party will be in breach of this Agreement where the breach is capable of being cured, or until written notice of the breach is received from the non-breaching Party. The Party charged with breach will have fifteen (15) calendar days from the date of receiving such notice in which to cure the breach or otherwise respond. If the circumstances leading to the charge that the Agreement was breached have not been cured or explained to the satisfaction of the other Party within fifteen (15) days from the date on which the breaching Party received notice of breach, the non-breaching Party may terminate this Agreement. Notice shall be given in the manner set forth in section 22.

22. NOTICE. All notices given or required to be given pursuant to this Agreement shall be in writing and may be given by personal delivery or by first-class mail. Notice sent by mail shall be addressed to each Party's Designated Representative as set forth above in Section 7. When addressed in accordance with this Section, such notice shall be deemed given upon deposit in the United States mail, postage prepaid. In all other

instances, notices shall be deemed given at the time of actual delivery. Changes may be made in the names or addresses of persons to whom notices are to be given by giving notice in the manner prescribed in this Section.

23. INDEMNIFICATION, HOLD HARMLESS & DEFENSE. Except as set forth in Subsection A of this Section 23, and to the fullest extent permitted by law, Consultant shall immediately defend, indemnify, and hold harmless the City, its officers, employees, representatives, and agents (the "City Indemnitees"), from and against those actions, suits, proceedings, claims, demands, losses, costs, and expenses, including legal costs and reasonable attorneys' fees, for any personal injuries, deaths, or property damage, including property owned by the City (collectively "Claims") which may arise out of Consultant's negligence or willful misconduct in the performance of the services described in this Agreement, unless such Claims are proven to be caused by the negligence or willful misconduct of the City Indemnitees.

A. The provisions of this Subsection apply only in the event that Consultant is a design professional within the meaning of California Civil Code section 2782.8 ("Design Professional"). The term Design Professional, as defined in said section, is limited to licensed architects, licensed landscape architects, registered professional engineers, professional land surveyors, and the business entities that offer such services in accordance with the applicable provisions of the California Business and Professions Code.

(1) Notwithstanding the provisions of Section 23 above, to the extent that the services to be provided under this Agreement are those of a Design Professional, Consultant's duty to indemnify, hold harmless, and defend the City Indemnitees shall be limited to the extent that any Claims arise out of, pertain to, or relate to the negligence, recklessness, or willful misconduct of the Consultant, its officers, agents, employees or subconsultants in the performance of the services described in this Agreement.

(2) In no event shall the costs of defense charged to Consultant exceed the Consultant's proportionate percentage of fault, except as otherwise set forth in said Civil Code section 2782.8, the provisions of which are incorporated into this Agreement by this reference. Nothing in this Subsection b shall be construed to require Consultant to provide indemnification for Claims caused by the active negligence or willful misconduct of the City Indemnitees

B. The City does not and shall not waive any rights that it may have against Consultant under this Section, because of the acceptance by the City, or the deposit with the City, of any insurance policy or certificate required pursuant to this Agreement. The hold harmless and indemnification provisions of this Section 23 shall apply regardless of whether said insurance policies are determined to be applicable to the claim, demand, damage, liability, loss, cost, or expense described herein.

- C. The obligation to indemnify and defend, as set forth in this Section 23, is binding on the successors, assigns, or heirs of Consultant and shall survive the expiration or any early termination of this Agreement.

24. INSURANCE. Consultant shall obtain and maintain during the performance of any Services under this Agreement the insurance coverages listed within “Exhibit C”, which is attached hereto and incorporated herein by this reference, unless the Risk Manager waives, in writing, the requirement that Consultant obtain and maintain such insurance coverages. Such insurance must be issued by a company satisfactory to the Risk Manager. Consultant shall, before performance of any Services pursuant to this Agreement, file with the Risk Manager evidence of insurance coverage as specified in “Exhibit C”. Maintenance of insurance coverages by Consultant is a material element of this Agreement. Consultant’s failure to maintain or renew insurance coverages or to provide renewal evidence shall be considered a material breach of this Agreement.

25. LIVING WAGE REQUIREMENTS. During the term of this Agreement, Consultant understands and agrees that if Living Wages are applicable, subject to the 2002 Oxnard City Council Living Wage Policy, attached as “Exhibit D” to this Agreement, Consultant will pay and/or provide the wages and/or benefits required therein to all of its employees engaged in whole or in part in performing the Services provided for by this Agreement. The Living Wage is updated on July 1 of each year, and the duty to pay the correct wage is the responsibility of the Consultant.

26. PREVAILING WAGE REQUIREMENTS. The payment of State prevailing wages as designated for Ventura County shall apply to public works projects. However, this section shall not apply to work performed on a public works project of twenty-five thousand dollars (\$25,000) or less when the project is for construction, alteration, demolition, installation, or repair work; or to work performed on a public works project of fifteen thousand dollars (\$15,000) or less when the project is for maintenance work. Prevailing wages are required to be paid to all workers, including subcontracted employees. For further information regarding Prevailing Wage Requirements please refer to Exhibit “E” attached to this Agreement.

- A. To determine if this Agreement is subject to compliance monitoring and enforcement, go to:
<https://www.dir.ca.gov/Public-Works/PublicWorksSB854FAQ.html>
- B. It is unlawful to split, or separate into small portions, work orders, projects, purchases, or public works projects for the purpose of evading these prevailing wage requirements.
- C. In the event that there is a difference between the amount of wages to be paid under the City of Oxnard’s local Living Wage requirements and the requirements of this provision, the wage rate that is the higher of the two

shall be applicable to this Agreement. The duty to pay the correct wage is the responsibility of the Consultant.

27. [RESERVED].

28. SUBCONTRACTING. If Consultant requires the assistance of a subcontractor to render any Services under this Agreement, Consultant shall obtain prior written consent from the City before a subcontractor performs any service pursuant to this Agreement. All subcontractors shall be identified in the Scope of Work or Task Order attached to this Agreement as "Exhibit A". Consultant is fully responsible for satisfactory completion of all its subcontractors' work. All subcontractors shall be properly licensed and insured; and bonded, if applicable. Consultant shall be responsible for all liabilities regardless of nature, type, or cause, arising out of or resulting from or in connection with subcontractors performance pursuant to this Agreement or subcontractors failure to comply with any of its obligations in connection with this Agreement.

29. CONFLICT OF INTEREST. Consultant covenants that it does not have any interest, nor shall it acquire any interest, directly or indirectly, which would conflict in any manner with the performance of Consultant's Services under this Agreement. Consultant further covenants that in the performance of Services under this Agreement, no officer, employee or agent of Consultant having such interest shall be employed by it. In the event the City determines that Consultant must disclose its financial interests by completing and filing a Fair Political Practices Commission Form 700, Statement of Economic Interests, Consultant shall file such Form 700 with the City Clerk's Office pursuant to the written instructions provided by the City Clerk. Acquisition or maintenance of a conflicting interest by Consultant may result in termination of this Agreement by the City.

30. DISPUTES. Except as otherwise provided in these provisions, any dispute concerning a question of fact arising under this Agreement, shall be decided by the City's Designated Representative, who shall reduce this decision to writing and mail a copy to the Consultant. The decision of the City's Designated Representative shall be final and conclusive unless Consultant requests mediation within ten (10) calendar days. Pending final decision of a dispute, the Consultant shall proceed diligently with the performance of the Agreement and in accordance with the decision of the City's Designated Representative.

31. DISPUTE RESOLUTION. Should an unresolved dispute arise out of this Agreement, any Party may request that it be submitted to mediation. The Parties shall meet in mediation within a reasonable time not to exceed forty-five (45) days of a request. The mediator shall be agreed to by the mediating Parties. In the absence of an Agreement on a mediator, the Parties shall each submit one name from mediators listed by the

American Arbitration Association, the California State Board of Mediation and Conciliation, or other agreed-upon service. The mediator shall be selected by a "blindfold" process. The cost of mediation shall be borne equally by both Parties. Neither Party shall be deemed the prevailing Party. No Party shall be permitted to file a legal action without first meeting in mediation and making a good faith attempt to reach a mediated settlement. The mediation process, once commenced by a meeting with the mediator, shall last until Agreement is reached by the Parties but not more than sixty (60) calendar days, unless the maximum time is extended in writing by both Parties.

32. ASSIGNMENT. This Agreement is for the professional Services of Consultant. Any attempt by Consultant to assign the benefits or burdens of this Agreement without the prior written approval of City shall be prohibited and shall be null and void. Consultant's Services pursuant to this Agreement shall be provided by the Consultant's Designated Representative or directly under his/her supervision, and Consultant shall not assign another to supervise the Consultant's performance of this Agreement without the prior written approval of City, by and through the City's Designated Representative.

33. CARE OF WORK. Should Consultant discover any latent or unknown conditions materially differing from those inherent in the Services or as represented by the City, Consultant shall immediately inform the City of such fact and shall not provide any Services, except at Consultant's risk, until written instructions are received from the Project Manager.

34. REPORTS. Upon request by the Project Manager or as otherwise required by this Agreement, including but not limited to, the Scope of Services or Task Orders set forth in Exhibit "A", Consultant shall prepare and submit reports to the City concerning Consultant's performance of the Services required by this Agreement.

35. AUDIT. City shall have the option of inspecting, auditing and/or reproducing all records and other written materials used by Consultant in preparing its billings to City as a condition precedent to any payment to Consultant, or for other purposes relating to the Agreement. Consultant will promptly furnish all documents requested by City. Additionally, if this Agreement is in excess of \$10,000, the State Auditor may examine and audit Consultant for a period of 3 years after final payment under the Agreement. Regardless of whether a State audit is permitted, Consultant shall maintain and preserve all such records for a period of at least 3 years after final payment under the Agreement or until an audit has been completed and accepted by City, whichever occurs later. Consultant shall maintain all such records in City or to promptly reimburse City for all reasonable costs incurred in conducting the audit at a location other than in City, including but not limited to expenses for personnel, salaries, private auditor, travel, lodging, meals and overhead. Consultant shall include a copy of this Section in all contracts with its subcontractors, and Consultant shall be responsible for immediately

obtaining those records or other written material from its subcontractors upon a request by the State Auditor and/or City.

- 36. ADVERTISING AND PUBLICITY.** Consultant shall not use the name of or refer to City directly or indirectly in any advertisement, news release, or professional or trade publication without prior written approval from the City Manager. This Section shall survive the termination of this Agreement.
- 37. NONDISCRIMINATORY EMPLOYMENT.** Consultant shall not unlawfully discriminate against any individual based on race, color, religion or religious creed, national origin, ancestry, ethnic group identification, primary language, physical disability, mental disability, medical condition, genetic information, marital status, gender, gender identity, gender expression, sex, sexual orientation, age, immigration status, citizenship or military and veteran status. Consultant understands and agrees that it is bound by and will comply with all legal nondiscrimination mandates. For every subcontractor who will perform Services, Consultant shall be responsible for such subcontractor's compliance with this Section.
- 38. COVENANTS AND CONDITIONS.** Each term and each provision of this Agreement to be performed by Consultant shall be construed to be both a covenant and a condition.
- 39. WAIVER.** City's review or acceptance of, or payment for, work product prepared by Consultant under this Agreement will not be construed to operate as a waiver of any rights City may have under this Agreement or of any cause of action arising from Consultant's performance. A waiver by City of any breach of any term, covenant, or condition contained in this Agreement will not be deemed to be a waiver of any subsequent breach of the same or any other term, covenant, or condition contained in this Agreement, whether of the same or different character.
- 40. FORCE MAJEURE.** Neither the Consultant nor the City shall be responsible for any delay caused by any contingency beyond their control, including, but not limited to, war or insurrection, walkouts by the Party's own employees, fires, natural calamities, riots, or demands or requirements of governmental agencies other than the City.
- 41. GOVERNING LAW.** The terms of this Agreement shall be interpreted according to the laws of the State of California. Should litigation occur, venue shall be in the Superior Court of California, County of Ventura.
- 42. SEVERABILITY.** If any portion of this Agreement is declared by a court of competent jurisdiction to be invalid or unenforceable, then such portion will be deemed modified to the extent necessary in the opinion of the court to render such portion enforceable and, as so modified, such portion and the balance of this Agreement will continue in full force and effect and be enforceable.

- 43. INTEGRATED AGREEMENT.** This Agreement and the attached exhibits referenced herein to this Agreement represent the entire understanding between the Parties. No verbal Agreement or implied covenant shall be held to vary the provisions of this Agreement. This Agreement shall bind and inure to the benefit of the Parties to this Agreement and any subsequent successors and assigns.
- 44. NO THIRD-PARTY BENEFICIARY.** This Agreement shall not be construed to be an Agreement for the benefit of any third-party or parties, and no third party or parties shall have any claim or right of action under this Agreement.
- 45. AUTHORITY TO EXECUTE.** Each Party hereto expressly warrants and represents that the signatories to this Agreement have the authority to execute this Agreement on behalf of its corporation, partnership, business entity, or governmental entity, and warrants and represents that the signatories have the authority to bind each Party to the performance of its obligations hereunder.
- 46. EXECUTION – COUNTERPARTS.** This Agreement may be executed in any number of counterparts and each such duplicate counterpart shall constitute an original, but they shall not be effective nor enforceable unless and until it is executed with the handwritten signature or electronic signature of an authorized representative of each of the relevant Parties. No counterpart shall be deemed to be an original or presumed delivered unless and until the counterpart executed by the other Party to this Agreement is in the physical possession of the Party seeking enforcement thereof.
- 47. INCONSISTENT OR CONFLICTING TERMS.** In the event of any contradictions or inconsistencies between any attached documents or exhibits incorporated by reference herein and the provisions of the Agreement itself, the terms of the Agreement shall control. Any exhibit that is attached and incorporated by reference shall be limited to the purposes for which it is attached, as specified in this Agreement. Any contractual terms or conditions contained in such exhibit imposing additional obligations on the City are not binding upon the City and City's Designated Representative unless specifically agreed to in writing, and initiated by City's Designated Representative, as to each additional contractual term or condition.
- 48. CAPTIONS AND HEADINGS.** The captions and headings contained in this Agreement are provided for identification purposes only and shall not be interpreted to limit or define the content, scope, or intent of the provisions described under the respective caption or heading.

49.ACKNOWLEDGEMENT. By signing below, Consultant acknowledges that it has reviewed the City's Professional Services Agreement terms and conditions and insurance requirements and that Consultant hereby agrees to full compliance.

[Signatures on next page]

IN WITNESS WHEREOF, the Parties have entered into this Agreement effective on the date as written in Section 4 and upon signature of all Parties.

CITY OF OXNARD

PACIFIC COAST LAND DESIGN, INC.

☐ Luis A. Mc Arthur, Mayor² _____ Date
☐ Jennifer Hiraoka, Purchasing Manager³

Mike Zielsdorf, CEO _____ Date

Mike Zielsdorf, CFO,⁴ _____ Date

ATTEST:

Lourdes A. López, City Clerk _____ Date
(only if Mayor authorizes)

APPROVED AS TO FORM:

Stephen M. Fischer, _____ Date
City Attorney (always required)

² The City Council must authorize and the Mayor must execute any agreement over \$220,000.

³ The Purchasing Agent may execute any authorized agreement up to \$220,000.

⁴ The City requires the following for any contract:

- For a corporation, the signatures of the Board President, CEO or Vice President and of the Board Secretary, Assistant Secretary, CFO or Assistant Treasurer;
 - For an LLC, the signatures of at least two managers of the LLC (company directors, not lower-level managers); or
 - For a partnership, the signature of a partner. If the partnership is a limited partnership, the signer must be a general partner.
- If the company has a different structure, or if the above-listed persons are not the appropriate signers, please submit to the City Attorney legally-binding documentation stating who can sign and bind your company.

EXHIBIT A

PROFESSIONAL SERVICE AGREEMENT (CITY of Oxnard and Pacific Coast Land Design, Inc.)

SCOPE OF SERVICES

PROJECT MANAGER:

Petros Gazazyan
petros.gazazyan@oxnard.org
805-509-9110

General Scope of Work:

The Landscape Architectural Consultant (Consultant) shall provide landscape architectural design services, including but not limited to, the design of parkway and median landscapes, design of landscapes around public buildings, design of public parks, design for playgrounds including surfaces and playground equipment layout, conduct public engagement to communicate the project proposals to neighborhood council and residents, review and provide recommendations for landscape standards, feasibility/concept plan studies and recommendations; preliminary design reports; hiring and managing applicable subconsultants and engineering disciplines as required; preparation of construction plans, specifications and estimates (opinions of construction cost); research of utilities and other records; and such other services as may be required by the CITY. Consultant shall provide services on projects as authorized and directed by CITY under a duly executed and approved Task Order. Consultant shall, in the performance of this Agreement, maintain close communications with the City Project Manager or his/her representative. No services shall be performed on any specific project until the CITY has issued a signed Task Order to Consultant for that particular project.

Work Tasks:

Upon request by CITY, Consultant will perform the following tasks for needed improvements to municipal infrastructure facilities, as applicable for individual projects:

1. The Consultant shall be a State of California Licensed Landscape Architect, experienced in public agency landscape and irrigation improvements and maintenance operations.
2. The Consultant shall provide on-call services to consult with City Staff to address a variety of technical issues including but not limited to field reviews, landscape evaluations, irrigation system evaluation, plant material quality reviews, budgeting, and conceptual design of potential solutions and costs

3. The Consultant shall provide design services (Schematic Design, Design Development, and Construction Documents) for the preparation of plans, specifications, and estimates for landscape improvements, renovations, and Capital Improvement Projects including, but not limited to, landscaping, irrigation (including conversion of potable to recycled water irrigation), site amenities, public art, and landscape and water quality improvements for such facilities as parks, median islands, parkways, sports fields, open spaces, trails, habitat areas and related facilities.

4. The Consultant shall provide design services during construction, including periodic site visits, review of shop drawings, and preparing responses to contractor's RFIs, provide drafting and computer-aided drafting support, perform record drawing, utility, or other searches, perform field investigations and design surveying, prepare record ("as built") drawing, and attend project meetings as necessary.

5. The Consultant shall assist Staff with the review and improvement of the City Code requirements for landscaping and irrigation-related water conservation and water quality, the Landscape Maintenance Specifications, the Tree Maintenance Specifications, the Rodent Control Specifications, and other similar work efforts.

Projects under this Agreement may involve one or more of the following Municipal Infrastructure Improvements:

- Storm drainage collection systems including WQMP and Drainage Reports;
- Post-construction stormwater mitigation systems;
- Arterial, collector, and local streets;
- Transportation system;
- Buildings and other types of facilities;
- Public Park improvements;
- Beach maintenance;
- Other undertakings to be determined.

Individual Project Task Order:

Upon request by CITY, Consultant shall submit for CITY review an individual project proposal including all information required to complete a Task Order for the individual project.

Task Order proposal shall identify the specific tasks to be performed by the Consultant. Tasks shall be listed in chronological order reflecting the entire scope of work as requested by the CITY, along with an estimated cost per task and a combined total Not-to-Exceed cost.

Proposals shall contain the names and titles of Consultant's personnel assigned to perform the work and specifically identify the individual who will be the Project Manager.

Proposals shall contain a project schedule indicating the various tasks and estimated time required to complete each task. Consultant's project schedule shall reflect all work to be performed by the Consultant from initial execution through completion.

City of Oxnard

Insert Department Name

305 West Third Street, East Wing Oxnard, California 93030

TASK ORDER

All Task Orders must include a copy
of the vendor proposal/estimate

Task Order No.:	Agreement No.:
Task Order NTE Amount:	Agreement NTE Amount:
City Purchase Order No.:	Agreement Type:
Agreement Expiration Date:	
Prime Consultant:	Subconsultant(s):

PROJECT TITLE OR SPECIFICATION NO.:

PROJECT DESCRIPTION:

DESCRIPTION OF SERVICES TO BE PERFORMED UNDER THIS TASK ORDER:

TIME FOR COMPLETION OF SERVICES UNDER THIS TASK ORDER:

COMPENSATION FOR SERVICES SHALL NOT EXCEED THE TASK ORDER NTE AMOUNT.

City Project Manager:

Consultant Project Manager:

Services under this Task Order shall not proceed until this Task Order is executed by the City and Consultant and the City issues a Notice to Proceed. This Task Order may only be modified in writing and subject to City approval. Consultant shall not exceed the scope of the task order or NTE amount.

City of Oxnard

[Consultant]

[designated rep] Date

[Name & Title] Date

Insert Department
Assistant Director/Director Date

[Name & Title] Date

For internal City Use Only

Account Number and Project Number	Example 1011234-53200-CXXXX
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EXHIBIT B
PROFESSIONAL SERVICE AGREEMENT
(CITY of Oxnard and Pacific Coast Land Design, Inc.)

SCHEDULE OF COMPENSATION

**HOURLY BILLING
RATES**

Listed below is the current schedule of hourly rates for work to be carried out under the On-Call Landscape Architect Services agreement. The listed hourly rates are defined by billing classification and staff labor rate and include all direct and indirect expenses and fees. This rate schedule will be honored for the duration of the On-Call Landscape Architect Services agreement. (Audited total billing rates including direct labor, fringe, indirect costs, fee/profit, and overhead expenses can be provided for review upon request.)

Pacific Coast Land Design, Inc. (PCLD)

Principal.....	\$195.00/hr
Senior Associate	\$170.00/hr
Associate.....	\$135.00/hr
Landscape Designer	\$115.00/hr
Administrative	\$75.00/hr

Encompass Consultant Group (ECG)

Billing rates for Civil and/or Survey to be per separately awarded ECG on-call contract.

Oaktopia

ISA-Certified Arborist	\$200.00/hr
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**PROJECT RELATED
REIMBURSABLE EXPENSES**

Listed below are expenses that PCLD typically bills to a project if incurred during the course of a project that is initiated from the On-Call Landscape Architecture Services agreement. PCLD will provide estimates of reimbursable expenses as part of the proposed scope of work for a given project. Reimbursable project costs will not be accrued until authorized by the City of Oxnard contract administrator.

- Reproduction of all documents, including postage and shipping charges, shall be paid for at cost.
- Special tests required due to site conditions.
- Sub-consultant services for work which the landscape architect is not licensed to provide (Reimbursable costs shall not include any costs arising from the administration or supervision of performance of the sub-consultant).

EXHIBIT C

PROFESSIONAL SERVICES AGREEMENT (CITY of Oxnard and Pacific Coast Land Design, Inc.)

INSURANCE REQUIREMENTS

Prior to contract approval and beginning of services under this agreement, Consultant must procure, agree to maintain and supply evidence of insurance at the levels listed and in accordance with the other provisions listed in this document.

[SEE NEXT PAGES]

**INSURANCE REQUIREMENTS FOR CONSULTANTS
(WITH ERRORS AND OMISSIONS REQUIREMENT)**

1. Consultant shall obtain and maintain during the performance of any services under this Agreement the following insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of services hereunder by Consultant, its agents, representatives, employees or subconsultants.

a. Commercial General Liability Insurance, including Contractual Liability, in an amount not less than \$1,000,000 combined single limit for bodily injury and property damage for each claimant for general liability with coverage equivalent to Insurance Services Office Commercial General Liability Coverage (Occurrence Form CG 0001). If a general aggregate limit is used, that limit shall apply separately to the project or shall be twice the occurrence amount;

b. Business automobile liability insurance in an amount not less than \$1,000,000 combined single limit for bodily injury and property damage for each claimant for automobile liability with coverage equivalent to Insurance Services Office automobile liability coverage (Occurrence Form CA0001) covering Code No. 1, "any auto;"

c. Professional liability/errors and omissions insurance appropriate to Consultant's profession to a minimum coverage of \$1,000,000, with neither Consultant nor listed subconsultants having less than \$500,000 individually. The professional liability/errors and omissions insurance must be project specific with at least a one year extended reporting period, or longer upon request.

d. Workers' compensation insurance in compliance with the laws of the State of California, and employer's liability insurance in an amount not less than \$1,000,000 per claimant. Additionally, the workers' compensation policy shall include a waiver of all rights of subrogation which the insurer may have against the City.

2. Consultant shall, prior to performance of any services, file with the Risk Manager certificates of insurance with original endorsements effecting coverage required by this Exhibit INS-A. The certificates and endorsements for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. The certificates and endorsements are to be on the attached forms or on other forms approved by the Risk Manager. All certificates and endorsements are to be received and approved by the Risk Manager before commencement of services. City reserves the right to require complete certified copies of all required insurance policies at any time. The certificates of insurance and endorsements shall be sent via email. If you have not received your request or are having difficulty with electronic upload, contact insurance@oxnard.org

3. Consultant agrees that all insurance coverages shall be provided by a California admitted insurance carrier with an A.M. Best rating of A:VII or better and shall be endorsed to state that coverage may not be suspended, voided, canceled, or reduced in coverage or limits without 30 days' prior written notice to the Risk Manager. The Risk Manager shall not approve or accept any endorsement if the endorsement contains "best effort" modifiers or if the insurer is relieved from the responsibility to give such notice.

4. Consultant agrees that the commercial general liability and business automobile liability insurance policies shall be endorsed to name City, its City Council, officers, employees, agents and volunteers as additional insureds as respects: liability arising out of activities performed by or on behalf of Consultant; products and completed operations of Consultant; premises owned, occupied or used by Consultant; or automobiles owned, leased, hired or borrowed by Consultant. The coverage shall contain no special limitations on the scope of protection afforded to City, its City Council, officers, employees, agents and volunteers. The General Liability Special Endorsement Form and Automobile Liability Special Endorsement Form attached to this Exhibit INS-A or substitute forms containing the same information and acceptable to the Risk Manager shall be used to provide the endorsements (ISO form CG 2010 11/85 or if not available, CG 2010 with an edition date prior to 01/04 and CG 2037).

5. The coverages provided to City shall be primary and not contributing to or in excess of any existing City insurance or self-insurance coverages (this must be endorsed). Additionally, the workers' compensation policy shall include a waiver of all rights of subrogation which the insurer may have against the City. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to City, its City Council, officers, employees and volunteers. The insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

6. The insurer shall declare any deductibles or self-insured retentions to and be approved by the Risk Manager. At the option of the Risk Manager, either the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects City, its City Council, officers, employees and volunteers, or the Consultant shall procure a bond guaranteeing payment of losses and related investigations, claim administration and defense expenses.

7. All insurance standards applicable to Consultant shall also be applicable to Consultant's subconsultants. Consultant agrees to maintain appropriate agreements with subconsultants and to provide proper evidence of coverage upon receipt of a written request from the Risk Manager.

INSTRUCTION FOR SUBMITTING INSURANCE CERTIFICATES AND ENDORSEMENT FORMS*Certificates of Insurance*

The sample accord form on the following page is provided to facilitate your preparation and submission of certificates of insurance. You may use this or any industry form that shows coverage as broad as that shown on the attached sample. **Please note the certificate holder address must be as shown on the attached sample accord form with the contract number and insurance exhibit identification information completed.** Improperly addressed certificates may delay the contract start-up date because the City's practice is to return unidentifiable insurance certificates to the insured for clarification as to the contract number. **Cancellation provisions must be endorsed to the policy. Modifying the certificate does not change coverage or obligate the carrier to provide notice of cancellation.**

Endorsement Forms

Original endorsements are required for commercial general liability and business automobile liability insurance policies and must be attached to the applicable certificate of insurance. City preference is that the Consultant/insurer use the endorsement forms which are attached. Substitute forms will be accepted, however, as long as they include provisions comparable to the sample accord form.

INS-A.doc

Exhibit INS-A

ACORD CERTIFICATE OF INSURANCE						ISSUE DATE (MM/DD/YY)	
PRODUCER			THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.				
CODE		SUB-CODE		COMPANIES AFFORDING INSURANCE COVERAGE			
INSURED		COMPANY LETTER A		SPECIFY COMPANY NAMES IN THIS SPACE			
		COMPANY LETTER B					
COVERAGES THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.							
CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS		
A	GENERAL LIABILITY ☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS MADE ☒ OCCUR. ☒ OWNER'S & CONTRACTOR'S PROT.				GENERAL AGGREGATE \$1,000,000 PRODUCTS COMP/OP AGG. \$1,000,000 PERSONAL & ADV. INJURY \$1,000,000 EACH OCCURRENCE \$1,000,000 FIRE DAMAGE (Any one fire) \$ MED. EXPENSE (Any one person) \$		
A	AUTOMOBILE LIABILITY ☒ ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS HIRED AUTOS NON-OWNED AUTOS GARAGE LIABILITY				COMBINED SINGLE LIMIT \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE \$		
A	EXCESS LIABILITY UMBRELLA FORM OTHER THAN UMBRELLA FORM				EACH OCCURRENCE \$ AGGREGATE \$		
A	WORKERS' COMPENSATION AND EMPLOYERS' LIABILITY				STATUTORY LIMITS EACH ACCIDENT \$1,000,000 DISEASE-POLICY LIMIT \$1,000,000 DISEASE-EACH EMPLOYEE \$1,000,000		
A	OTHER Errors and omissions insurance or malpractice insurance available for the insured's profession				Minimum coverage \$1,000,000 Each consultant/ & listed sub-consultant \$500,000		
DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/RESTRICTIONS/SPECIAL ITEMS							
CERTIFICATE HOLDER CITY OF OXNARD % Evident ID, Inc. 8520 Allison Pointe Blvd. Ste 223 PMB 5210 Indianapolis, Indiana 46250-4299 US			CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.				
AUTHORIZED REPRESENTATIVE							

Rev. 1/23

INS-A.doc

EXHIBIT D

PROFESSIONAL SERVICES AGREEMENT (CITY of Oxnard and Pacific Coast Land Design, Inc.)

LIVING WAGE POLICY

Pursuant to the Living Wage Policy adopted July 9, 2002 by the City Council and effective October 1, 2002, the City Manager and City Attorney are directed to include the following language in all standard Consultant/Professional Services contracts that may be governed by the Living Wage Policy.

- A. Consultant shall compensate any employee of Consultant who provides Services under this Agreement in accordance with the Living Wage Policy, attached hereto and incorporated herein by reference as the Living Wage Policy Exhibit. While this Agreement is in effect, Consultant shall pay such employee no less than \$20.06 per hour for each hour that such employee provides Services under this Agreement. In addition, while this Agreement is in effect, Consultant shall provide to such employee no less than 96 hours of paid leave per calendar year.
- B. Consultant agrees to post, at a location readily accessible to those employees providing Services to the City, a copy of the Living Wage Policy adopted by City Council on July 9, 2002 and effective October 1, 2002.
- C. If Consultant fails to compensate such employee pursuant to the Living Wage Policy, the City Manager or designee shall terminate this Agreement on written notice to Consultant, effective immediately.
- D. In addition, if Consultant fails to comply with the Living Wage Policy in any manner, Consultant shall pay to City a fine of \$500 and shall pay to any employee providing Services under this Agreement a penalty of three times the amount or value of the compensation owed to such employee under the Living Wage Policy. Consultant shall pay such fine and penalty within fifteen (15) calendar days after the City Manager or designee provides written notice to Consultant of the amount owed.

**CITY OF OXNARD LIVING WAGE REQUIREMENTS
EFFECTIVE JULY 1, 2025**

Consultant shall compensate any employee of Consultant who provides Services under this Agreement in accordance with the Living Wage Policy, attached hereto and incorporated herein by reference as Exhibit D. While this Agreement is in effect, Consultant shall pay such employee no less than \$20.06 per hour for each hour that such employee provides Services under this Agreement. This hourly rate shall be adjusted on July 1, 2026, and each July 1 thereafter, according to the percentage change in the Consumer Price Index, all items, prepared by the Bureau of Labor Statistics for the Los Angeles area relating to all urban consumers (CPI-U), index base 1982-84=100, comparing May of the previous year to May of the current year. In addition, while this Agreement is in effect, Consultant shall provide to such employee no less than 96 hours of paid leave per calendar year.

a. Consultant agrees to post, at a location readily accessible to those employees providing Services to the City, a copy of the Living Wage Policy adopted by the Oxnard City Council on July 9, 2002 and effective October 1, 2002.

b. If Consultant fails to compensate such employee pursuant to the Living Wage Policy, the City Manager or designee shall terminate this Agreement on written notice to Consultant, effective immediately.

c. In addition, if Consultant fails to comply with the Living Wage Policy in any manner, Consultant shall pay to City a fine of \$500 and shall pay to any employee providing Services under this Agreement a penalty of three times the amount or value of the compensation owed to such employee under the Living Wage Policy. Consultant shall pay such fine and penalty within fifteen (15) calendar days after the City Manager or designee provides written notice to Consultant of the amount owed.

EXHIBIT E

PROFESSIONAL SERVICES AGREEMENT (CITY of Oxnard and Pacific Coast Land Design, Inc.)

PREVAILING WAGE

1. Consultant acknowledges that the Project defined in the Agreement between Consultant and City is a “public work” as defined in Division 2, Part 7, Chapter 1 of the California Labor Code (“Chapter 1”), and that this Agreement is subject to Chapter 1 and the rules and regulations established by the Director of Industrial Relations (“DIR”) implementing such statutes. Consultant shall perform the Project as a public work. Consultant shall comply with and be bound by all the terms, rules and regulations described in Chapter 1 and the DIR’s rules and regulations as though set forth in full herein.
2. Pursuant to Labor Code Section 1773.2, copies of the prevailing rate of per diem wages for each craft, classification, or type of worker needed to perform the Agreement are on file at City Hall and will be made available to any interested party on request. Consultant acknowledges receipt of a copy of the DIR determination of such prevailing rate of per diem wages, and Consultant shall post such rates at each job site covered by this Agreement.
3. Consultant is required to post job site notices, as prescribed by regulation. See Labor Code Section 1771.4(a)(2).
4. Consultant shall comply with and be bound by the provisions of Labor Code Sections 1774 and 1775 concerning the payment of prevailing rates of wages to workers and the penalties for failure to pay prevailing wages. Consultant shall, as a penalty to City, forfeit not more than \$200 for each calendar day or portion thereof for each worker paid less than the DIR’s determined prevailing rates for the work or craft in which the worker is employed pursuant to this Agreement by Consultant or any subcontractor. The Labor Commissioner shall determine the amount of the penalty as described in Section 1775.
5. Consultant shall comply with Labor Code Section 1776, which requires Consultant and each subcontractor to (1) keep accurate payroll records and verify such records in writing under penalty of perjury, (2) certify and make such payroll records available for inspection, and (3) inform City of the location of the records.
6. Consultant shall comply with Labor Code Sections 1777.5, 1777.6 and 1777.7 and California Administrative Code Title 8, Section 200 et seq. concerning the employment of apprentices on public works projects for all apprenticeable occupations. Before commencing work under this Agreement, Consultant shall provide City with a copy of the information submitted to any applicable apprenticeship program. Within 60 days after concluding the Project, Consultant and each of its subcontractors shall submit to City a verified statement of the journeyman and apprentice hours performed under this Agreement.

7. Consultant may not be debarred or suspended throughout the Agreement Term pursuant to Labor Code Section 1777.1 or 1777.7. If he, she or it becomes debarred or suspended in the Agreement Term, Consultant must immediately notify City.

8. Consultant is not qualified to bid on, be listed in a Bid proposal, or engage in the performance of any contract for public work, as defined in Labor Code Sections 1720 through 1861, unless currently registered and qualified to perform public work pursuant to Labor Code Section 1725.5. Consultant shall continue without interruption to stay registered and qualified to perform public work pursuant to Section 1725.5 for the duration of the term of this Agreement. This provision does not apply to construction, alteration, demolition, installation or repair work of \$25,000 or less or to maintenance work of \$15,000 or less.

9. Consultant acknowledges that 8 hours labor constitutes a legal day's work. Consultant shall comply with and be bound by Labor Code Section 1810.

10. Consultant shall comply with and be bound by Labor Code Section 1813 concerning penalties for workers who work excess hours. Consultant shall, as a penalty to City, forfeit \$25 for each worker employed in the performance of this Agreement by Consultant or by any subcontractor for each calendar day during which such worker is required or permitted to work more than 8 hours in any calendar day and 40 hours in any one calendar week in violation of the provisions of Division 2, Part 7, Chapter 1, Article 3 of the Labor Code. Pursuant to Labor Code Section 1815, work performed by Consultant's employees in excess of 8 hours per day and 40 hours per week shall be permitted upon public work upon compensation for all hours worked in excess of 8 hours per day at not less than 1 ½ times the basic rate of pay.

11. The Project listed in the Agreement is subject to compliance monitoring and enforcement by the DIR.

12. Consultant shall be responsible for each and every one of its subcontractors' compliance with Chapter 1, the DIR's rules and regulations, and Labor Code Sections 1860 and 3700. Consultant shall include in the written contract between it and each subcontractor a copy of, and a requirement that each subcontractor shall comply with, those statutory provisions. Consultant shall be required to take all actions necessary to enforce such contractual provisions and ensure subcontractors' compliance, including without limitation, conducting a periodic review of the certified payroll records of each subcontractor, and upon becoming aware of the failure of the subcontractor to pay its workers the specified prevailing rate of wages, Consultant shall diligently take corrective action to halt or rectify any failure.

13. To the maximum extent, Consultant shall hold harmless, defend (with counsel approved by the City Attorney) and indemnify City, its legislative bodies, and its officials, officers, employees and agents from any demand or claim for damages, compensation, fines, penalties or other amounts arising out of or incidental to any acts or omissions listed above by any person or entity (including Consultant, its subcontractors, and each of their officials, officers, employees and agents) in connection with any work undertaken or in connection with the Agreement, including without limitation the payment of all attorneys' fees and other related costs. All duties of Consultant under this Section shall survive Agreement termination.

**ON-CALL PROFESSIONAL SERVICES AGREEMENT
BETWEEN
THE CITY OF OXNARD AND RJM DESIGN GROUP, INC.**

By This On-Call Professional Services Agreement (“Agreement”), the City of Oxnard (“City”) agrees to engage the Services of RJM Design Group, Inc. (“Consultant”), and Consultant agrees to perform the Services for City as herein described, for the compensation, during the term, and otherwise subject to the covenants and conditions herein set forth. City and Consultant may be individually referred to as “Party” or collectively as the “Parties.”

1. [INTENTIONALLY OMITTED].

2. SUMMARY DESCRIPTION OF SERVICES.

Landscape Architectural Consultant shall provide landscape architectural design services, including but not limited to, the design of parkway and median landscapes, design of landscapes around public buildings, design of public parks, design for playgrounds including surfaces and playground equipment layout, conduct public engagement to communicate the project proposals to neighborhood council and residents, review and provide recommendations for landscape standards, feasibility/concept plan studies and recommendations; preliminary design reports; hiring and managing applicable subconsultants and engineering disciplines as required; preparation of construction plans, specifications and estimates (opinions of construction cost); research of utilities and other records; and such other services as may be required by the CITY.

The Services to be performed pursuant to this agreement will be limited to the particular professional services that are identified in the Scope of Services, attached hereto as Exhibit A. Consultant has been prequalified to perform the particular services required by the City and the City shall issue Task Orders describing the particular project or services required by the City to the prequalified consultants and consultants shall submit a responsive proposal to the City’s Project Manager.

Consultant is not the exclusive provider of services to the City. The City does not guarantee a specified amount of work under this on-call agreement.

3. PARTIES.

City of Oxnard, a general law and municipal corporation of the State of California, located at 300 West Third Street, Oxnard California 93030.

RJM Design Group, Inc., a corporation of the State of California, located at 31591 Camino Capistrano, San Juan Capistrano, CA 92675.

4. TERM OF AGREEMENT: From: October 8, 2025 To: October 7, 2028

- A. Time is of the essence in this Agreement
- B. The City shall have the option to exercise (2) consecutive (1) one-year term extensions, in accordance with the scope of work and terms and conditions of this Agreement. Any price negotiations, if allowed, shall be negotiated at the time of contract extension.
- C. This Agreement shall not exceed a total of five (5) years (including the initial term and any options to extend). The City in its sole discretion may exercise the option terms upon sixty (60) days written notice to the Consultant (or any other time if the parties so agree) in accordance with Section 12 of this Agreement. The option term shall be commenced by an amendment to this agreement.
- D. All Services required of Consultant under this Agreement shall be completed on or before the end of the term of the Agreement.

5. AGREEMENT AMOUNT NOT TO EXCEED: \$750,000.00 ¹

6. AGREEMENT EXHIBITS. The following documents memorialized below are the only exhibits to this Agreement and are incorporated by reference as though fully set forth herein. In the event of a conflict between the Exhibits and this Agreement, the Agreement controls.

- Exhibit A: Scope of Services and Task Order Template
- Exhibit B: Schedule of Compensation
- Exhibit C: Insurance Requirements: City Insurance Exhibit INS-A
- Exhibit D: Living Wage Policy
- Exhibit E: Prevailing Wage Policy

7. DESIGNATED REPRESENTATIVES. The Designated Representatives listed below shall be authorized to act on behalf of the named Party, be responsible for negotiations and contractual matters, and coordinate with each other to perform the Services under this Agreement. Additionally, Consultant's Services shall be performed or immediately supervised by the Consultant's Representative:

¹ This is not a guaranteed dollar amount. No services or work performed pursuant to a Task Order shall exceed the "Not to Exceed" Amount of the Contract or the agreed upon amount stated in the Task Order.

City Designated Representative Name: Petros Gazazyan Title: Construction Project Manager Phone: 805-509-9110 Email: petros.gazazyan@oxnard.org Address: 305 West Third Street, East Wing, Second Floor, Oxnard, CA 93030	Consultant Designated Representative Name: Larry P. Ryan Title: President Phone: (949) 493-2600 Email: larryr@rjmdesigngroup.com Address: 31591 Camino Capistrano, San Juan Capistrano, CA 92675
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8. CONTRACTUAL PREREQUISITIES. This Agreement must first be executed by the Consultant, after which the Agreement shall be approved as to form by the City Attorney, then executed by the Mayor, or an authorized person on behalf of the City, and if executed by the Mayor shall also be executed by the City Clerk.

- A. Consultant is advised that any recommendation for Agreement award is not binding on City until the Agreement is fully executed and approved by the City.
- B. All proof of a City tax certificate, insurance, and W-9 forms is required prior to execution of this Agreement.
- C. Consultant shall not perform any work under this Agreement until a proof of insurance has been provided to the City as required under Section 24 of this Agreement.

9. CONSULTANT'S SERVICES.

- A. Consultant shall perform only the type or category of services as set forth in the "Scope of Services," and pursuant to the information contained in the Task Orders issued pursuant to this agreement.
- B. Task Orders may only be modified in writing by the City's Project Manager or Designated Representative.
- C. The Services issued pursuant to a Task Order shall be coordinated with the designated City Project Manager set forth in Exhibit A and are subject to the direction of the City Manager or Department Director. Consultant hereby designates as its Project Manager, the individual identified in Section 7 of this Agreement, as the person responsible for the Services who shall coordinate with City's Project Manager in executing the Scope of Services and Task Order(s) under this Agreement.
- D. Under no circumstances shall the Consultant exceed the amount stated in the City's Task Order or perform additional work or services that are not included in the Task Order

10. COMPENSATION. City shall pay Consultant for the Services performed pursuant to the terms of this Agreement and based on the hourly rates and fees set forth in the "Schedule of Compensation," attached to and incorporated into this Agreement as

“Exhibit B.” Consultant’s compensation shall not to exceed amount stated in the Task Order. Under no circumstances shall the Consultant perform work in excess of the amount stated in the Task Order or the not to exceed amount listed in Section 5 of this Agreement. Once this Agreement is executed, the Schedule of Compensation may only be modified by written Amendment pursuant to Section 13 of this Agreement, and may be subject to approval by the City Council.

- A. The maximum not to exceed amount for any individual Task Order issued pursuant to this Agreement shall be \$100,000.00 per Task Order or \$200,000, if the Task Order is associated with an identified and approved Capitol Improvement Project.
- B. Annual Rate and Fees adjustments must be requested in writing and shall not exceed 3% and are subject to approval by the City. Annual adjustments shall apply to Task Orders issued after the adjustment is approved and not retroactively to in progress Task Orders.

11. PAYMENT and INVOICES. The City shall pay all undisputed portions of any applicable invoice within thirty (30) days after receipt of an invoice. In the event the City disputes one or more items in an invoice, the City shall, within thirty (30) days after receipt of such invoice, notify the Consultant of the item(s) being disputed and the reason(s) therefore. The City may withhold payment for such disputed items until resolution of the dispute.

- A. Payment Request. Consultant shall submit a payment request to CITY by the end of each calendar month listing the Services provided, costs of those Services, and total amount due for the month. Invoices may be emailed to: pwinvoices@oxnard.org.
- B. Consultant’s acceptance of final payment made pursuant to this Agreement shall constitute a release of City from all claims and liabilities for compensation to Consultant for anything completed, finished or relating to the Services. City’s payment shall not constitute nor be deemed a release of the responsibility and liability of Consultant for the accuracy and competency of the information provided and/or the Services performed hereunder, nor shall such payment be deemed to be an assumption of responsibility or liability by City for any defect or error in the Services performed by Consultant and its employees, agents and subcontracted Consultants.
- C. Consultant shall provide City with a completed Request for Taxpayer Identification Number and Certification, as issued by the Internal Revenue Service. If any sales tax is due for the Services performed by Consultant or materials or products provided to City by Consultant, Consultant shall pay the sales tax. City shall not reimburse Consultant for sales taxes paid by Consultant.

D. **Non-Appropriation of Funds.** Payments to be made to Consultant by City for the Services performed within the current fiscal year are within the current fiscal budget and within an available, unexhausted and unencumbered appropriation of City. In the event City does not appropriate sufficient funds for payment of the Services beyond the current fiscal year, this Agreement shall cover payment for the Services only up to the conclusion of the last fiscal year in which City appropriated sufficient funds and shall automatically terminate at that fiscal year's conclusion.

12. OPTION TO EXTEND AGREEMENT. When in the City's best interest, this Agreement may only be extended, if the City, in its discretion, exercises an option term in accordance with Section 4 subparagraphs (B) and (C) of this Agreement. The initial term, plus any option to extend shall not exceed a total of five (5) years. **If no option to extend the Agreement appears in section 4(B), then this Agreement shall not be extended.**

13. MODIFICATION OF AGREEMENT. This Agreement may be amended, modified, or otherwise altered, or its provisions waived, only upon mutual consent of the Parties by written amendment. The City may request that the Consultant perform Extra Services. As used herein, "Extra Services" means any services, which are determined by the City to be necessary for the proper completion of the project, but which the Parties did not reasonably anticipate would be necessary at the execution of this Agreement or any Task Order issued under this Agreement. A written amendment signed by both Parties shall be required to authorize performance of and payment for Extra Services under this Agreement or Task Order.

14. TERMINATION OF AGREEMENT. City may terminate this Agreement at any time, with or without cause and without penalty, upon fifteen (15) calendar days' prior written notice pursuant to Section 22 of this Agreement. Such termination shall be effective on the date specified in the notice, or if no date is specified, then fifteen (15) calendar days from the date of the notice. City shall be liable to Consultant only for work done by Consultant up to and including the date of termination of this Agreement unless the termination is for cause, in which event Consultant need be compensated only to the extent required by law. Consultant may terminate this Agreement at any time during the term of the Agreement by giving the City sixty (60) calendar days' prior written notice.

15. [RESERVED].

16. INDEPENDENT CONTRACTOR. Consultant is and shall at all times remain, as to City, a wholly independent contractor. Neither City nor any of its employees or agents shall have control over the conduct of Consultant or any of its employees, except as stated in this Agreement. Consultant has and shall retain the right to exercise full control over the

employment, direction, means of performance, location, compensation and discharge of all persons assisting Consultant. This Agreement shall not be interpreted to prevent or preclude Consultant from rendering any Services for Consultant's own account or to any other person or entity as Consultant in its sole discretion shall determine; provided, however, that performing such Services shall not materially interfere with the Services the Consultant shall perform for the City. The City retains the right to provide general instructions to and observe the Consultant in the performance of all Services done on behalf of the City.

Consultant and its employees, subconsultants, and agents have no authority, express or implied, to act on behalf of City in any capacity, to incur any debt, obligation or liability on behalf of City, bind City in any manner, or otherwise act on behalf of City as an agent. Consultant and its employees are not employees of City. Consultant and its employees are not entitled to receive from City any of the benefits or rights afforded employees of City, including but not limited to reserve leave, sick leave, vacation leave, holiday leave, compensatory leave, Public Employees Retirement System benefits, and health, life, dental, long-term disability and workers' compensation insurance benefits. Consultant shall not, at any time or in any manner, represent that it or any of its agents, subconsultants, or employees are in any manner agents, subconsultants, or employees of City.

17. LAWFUL PERFORMANCE. Consultant shall abide by all federal, state, and local laws and regulations as may be related to the performance of duties under this Agreement. Consultant, at its sole expense, shall obtain and maintain during the term of this Agreement, all appropriate permits, licenses, and certificates that may be required in connection with the performance of Services under this Agreement.

18. SAFETY REQUIREMENTS. Consultant shall not perform any Services for the City when the Consultant is impaired by alcohol or a controlled substance. When there is reasonable cause to believe that any person has violated this provision, that person shall be immediately removed from the premises and be subject to any applicable civil and/or criminal penalties under the City's Code and/or under state law. All work performed under this Agreement shall be performed in such a manner as to provide safety to the public. The City reserves the right to issue restraining or cease and desist orders to Consultant when unsafe or harmful acts are observed or reported relative to the performance of the work under this Agreement. The acceptance of Consultant's work by City shall not operate as a release of the Consultant from such standard of care and workmanship.

19. STANDARD OF PERFORMANCE; WARRANTY. Consultant agrees to perform all Services required by this Agreement in a professional and competent manner, in accordance with the degree of skill and diligence which is normally employed by

reputable professionals performing similar Services under similar conditions in the same or similar locality. Such Services shall also be performed in a manner which is reasonably satisfactory to City Project Manager, or designee (hereinafter the "Project Manager"), provided that discretion in determining what is satisfactory shall not alter the foregoing standard of care.

- A. In accordance with the standard of care set forth in the first sentence of Section 19, the Consultant agrees that it:
 - (1) Has thoroughly reviewed and considered the services and work to be performed; and
 - (2) Has reviewed the issues regarding the Scope of Services and Task Orders to be provided; and
 - (3) Has carefully considered how the services and related work should be performed; and
 - (4) Fully understands the facilities, difficulties and restrictions associated with performance of the services required by this Agreement.

20. OWNERSHIP OF CONSULTANT'S WORK PRODUCT, CONFIDENTIALITY & DISCLOSURE, RECORDS & WARRANTY. City shall be the owner of any and all technical documents and records, including, computations, plans, correspondence, and/or other pertinent data and information, both hard copy and electronic, gathered or prepared by Consultant in performance of this Agreement and shall be entitled to immediate possession of the same upon completion of the work under this Agreement, or at any earlier or later time when the same may be requested by City.

- A. Ownership of Documents. Every report, draft, work product, map, record, and other document reproduced, prepared, or caused to be prepared by the Consultant pursuant to or in connection with this Agreement shall be the exclusive property of the City.
- B. Deliverables. Consultant shall deliver to the City the studies, plans, specifications, or other documents as are identified in the Scope of Services or Task Order; and Consultant shall, upon completion of all work or termination of this Agreement, submit to the City all information developed in the course of the Consultant's services. Consultant shall, in such time and in such form as the City may require, furnish reports concerning the status of Services required under this Agreement. Consultant shall, upon request by City and upon completion or termination of this Agreement, deliver to the City all material furnished to Consultant by the City.
- C. Records and Inspections. The Consultant shall maintain full and accurate records, with respect to all Services and matters covered under this Agreement. Books and records pertaining to costs shall be kept and prepared in accordance with generally accepted accounting principles. The City shall have free access at all reasonable times to such records, both

hard copy and electronic, and the right to examine and audit the same and to make transcripts therefrom, and to inspect all program data, documents, proceedings, and activities.

- D. Confidentiality. Information that is exempt from disclosure to the public is confidential. This includes information relating to the past, present, or future affairs of the City or information belonging to a third party whose information is in the City's possession or control under obligations of confidentiality. Consultant may be granted access to information that is exempt from disclosure to the public (Government Code Section 7920.505) and may contain "trade secrets" (see Government Code Section 7924.510(f)) when it is necessary for Consultant to perform its obligations pursuant to this Agreement. If Consultant is granted such access to confidential information, Consultant shall not be considered to be a member of the public as that term is used in Government Code Section 7920.515.
- E. Disclosure of Information. Consultant shall not disclose, publish, or authorize others to disclose or publish, design data, drawings, specifications, reports, or other information pertaining to the projects assigned to Consultant by the City or other information to which the Consultant has had access during the term of this Agreement without the prior written approval of the City's Designated Representative during the term of this Agreement and for a period of two (2) years after the termination of this Agreement.
- F. No Warranty. Other than an obligation upon the City to deal in good faith, the City makes no warranties and shall bear no liability or responsibility for errors or omissions in any Confidential Information disclosed under this Agreement or for any business decisions made by Consultant in reliance on any Confidential Information disclosed under this Agreement.

21. NOTICE OF BREACH AND OPPORTUNITY TO CURE. Neither Party will be in breach of this Agreement where the breach is capable of being cured, or until written notice of the breach is received from the non-breaching Party. The Party charged with breach will have fifteen (15) calendar days from the date of receiving such notice in which to cure the breach or otherwise respond. If the circumstances leading to the charge that the Agreement was breached have not been cured or explained to the satisfaction of the other Party within fifteen (15) days from the date on which the breaching Party received notice of breach, the non-breaching Party may terminate this Agreement. Notice shall be given in the manner set forth in section 22.

22. NOTICE. All notices given or required to be given pursuant to this Agreement shall be in writing and may be given by personal delivery or by first-class mail. Notice sent by mail shall be addressed to each Party's Designated Representative as set forth above in Section 7. When addressed in accordance with this Section, such notice shall be deemed given upon deposit in the United States mail, postage prepaid. In all other

instances, notices shall be deemed given at the time of actual delivery. Changes may be made in the names or addresses of persons to whom notices are to be given by giving notice in the manner prescribed in this Section.

23. INDEMNIFICATION, HOLD HARMLESS & DEFENSE. Except as set forth in Subsection A of this Section 23, and to the fullest extent permitted by law, Consultant shall immediately defend, indemnify, and hold harmless the City, its officers, employees, representatives, and agents (the "City Indemnitees"), from and against those actions, suits, proceedings, claims, demands, losses, costs, and expenses, including legal costs and reasonable attorneys' fees, for any personal injuries, deaths, or property damage, including property owned by the City (collectively "Claims") which may arise out of Consultant's negligence or willful misconduct in the performance of the services described in this Agreement, unless such Claims are proven to be caused by the negligence or willful misconduct of the City Indemnitees.

A. The provisions of this Subsection apply only in the event that Consultant is a design professional within the meaning of California Civil Code section 2782.8 ("Design Professional"). The term Design Professional, as defined in said section, is limited to licensed architects, licensed landscape architects, registered professional engineers, professional land surveyors, and the business entities that offer such services in accordance with the applicable provisions of the California Business and Professions Code.

(1) Notwithstanding the provisions of Section 23 above, to the extent that the services to be provided under this Agreement are those of a Design Professional, Consultant's duty to indemnify, hold harmless, and defend the City Indemnitees shall be limited to the extent that any Claims arise out of, pertain to, or relate to the negligence, recklessness, or willful misconduct of the Consultant, its officers, agents, employees or subconsultants in the performance of the services described in this Agreement.

(2) In no event shall the costs of defense charged to Consultant exceed the Consultant's proportionate percentage of fault, except as otherwise set forth in said Civil Code section 2782.8, the provisions of which are incorporated into this Agreement by this reference. Nothing in this Subsection b shall be construed to require Consultant to provide indemnification for Claims caused by the active negligence or willful misconduct of the City Indemnitees

B. The City does not and shall not waive any rights that it may have against Consultant under this Section, because of the acceptance by the City, or the deposit with the City, of any insurance policy or certificate required pursuant to this Agreement. The hold harmless and indemnification provisions of this Section 23 shall apply regardless of whether said insurance policies are determined to be applicable to the claim, demand, damage, liability, loss, cost, or expense described herein.

- C. The obligation to indemnify and defend, as set forth in this Section 23, is binding on the successors, assigns, or heirs of Consultant and shall survive the expiration or any early termination of this Agreement.

24.INSURANCE. Consultant shall obtain and maintain during the performance of any Services under this Agreement the insurance coverages listed within “Exhibit C”, which is attached hereto and incorporated herein by this reference, unless the Risk Manager waives, in writing, the requirement that Consultant obtain and maintain such insurance coverages. Such insurance must be issued by a company satisfactory to the Risk Manager. Consultant shall, before performance of any Services pursuant to this Agreement, file with the Risk Manager evidence of insurance coverage as specified in “Exhibit C”. Maintenance of insurance coverages by Consultant is a material element of this Agreement. Consultant’s failure to maintain or renew insurance coverages or to provide renewal evidence shall be considered a material breach of this Agreement.

25.LIVING WAGE REQUIREMENTS. During the term of this Agreement, Consultant understands and agrees that if Living Wages are applicable, subject to the 2002 Oxnard City Council Living Wage Policy, attached as “Exhibit D” to this Agreement, Consultant will pay and/or provide the wages and/or benefits required therein to all of its employees engaged in whole or in part in performing the Services provided for by this Agreement. The Living Wage is updated on July 1 of each year, and the duty to pay the correct wage is the responsibility of the Consultant.

26.PREVAILING WAGE REQUIREMENTS. The payment of State prevailing wages as designated for Ventura County shall apply to public works projects. However, this section shall not apply to work performed on a public works project of twenty-five thousand dollars (\$25,000) or less when the project is for construction, alteration, demolition, installation, or repair work; or to work performed on a public works project of fifteen thousand dollars (\$15,000) or less when the project is for maintenance work. Prevailing wages are required to be paid to all workers, including subcontracted employees. For further information regarding Prevailing Wage Requirements please refer to Exhibit “E” attached to this Agreement.

- A. To determine if this Agreement is subject to compliance monitoring and enforcement, go to:
<https://www.dir.ca.gov/Public-Works/PublicWorksSB854FAQ.html>
- B. It is unlawful to split, or separate into small portions, work orders, projects, purchases, or public works projects for the purpose of evading these prevailing wage requirements.
- C. In the event that there is a difference between the amount of wages to be paid under the City of Oxnard’s local Living Wage requirements and the requirements of this provision, the wage rate that is the higher of the two

shall be applicable to this Agreement. The duty to pay the correct wage is the responsibility of the Consultant.

27. [RESERVED].

28. SUBCONTRACTING. If Consultant requires the assistance of a subcontractor to render any Services under this Agreement, Consultant shall obtain prior written consent from the City before a subcontractor performs any service pursuant to this Agreement. All subcontractors shall be identified in the Scope of Work or Task Order attached to this Agreement as "Exhibit A". Consultant is fully responsible for satisfactory completion of all its subcontractors' work. All subcontractors shall be properly licensed and insured; and bonded, if applicable. Consultant shall be responsible for all liabilities regardless of nature, type, or cause, arising out of or resulting from or in connection with subcontractors performance pursuant to this Agreement or subcontractors failure to comply with any of its obligations in connection with this Agreement.

29. CONFLICT OF INTEREST. Consultant covenants that it does not have any interest, nor shall it acquire any interest, directly or indirectly, which would conflict in any manner with the performance of Consultant's Services under this Agreement. Consultant further covenants that in the performance of Services under this Agreement, no officer, employee or agent of Consultant having such interest shall be employed by it. In the event the City determines that Consultant must disclose its financial interests by completing and filing a Fair Political Practices Commission Form 700, Statement of Economic Interests, Consultant shall file such Form 700 with the City Clerk's Office pursuant to the written instructions provided by the City Clerk. Acquisition or maintenance of a conflicting interest by Consultant may result in termination of this Agreement by the City.

30. DISPUTES. Except as otherwise provided in these provisions, any dispute concerning a question of fact arising under this Agreement, shall be decided by the City's Designated Representative, who shall reduce this decision to writing and mail a copy to the Consultant. The decision of the City's Designated Representative shall be final and conclusive unless Consultant requests mediation within ten (10) calendar days. Pending final decision of a dispute, the Consultant shall proceed diligently with the performance of the Agreement and in accordance with the decision of the City's Designated Representative.

31. DISPUTE RESOLUTION. Should an unresolved dispute arise out of this Agreement, any Party may request that it be submitted to mediation. The Parties shall meet in mediation within a reasonable time not to exceed forty-five (45) days of a request. The mediator shall be agreed to by the mediating Parties. In the absence of an Agreement on a mediator, the Parties shall each submit one name from mediators listed by the

American Arbitration Association, the California State Board of Mediation and Conciliation, or other agreed-upon service. The mediator shall be selected by a "blindfold" process. The cost of mediation shall be borne equally by both Parties. Neither Party shall be deemed the prevailing Party. No Party shall be permitted to file a legal action without first meeting in mediation and making a good faith attempt to reach a mediated settlement. The mediation process, once commenced by a meeting with the mediator, shall last until Agreement is reached by the Parties but not more than sixty (60) calendar days, unless the maximum time is extended in writing by both Parties.

32. ASSIGNMENT. This Agreement is for the professional Services of Consultant. Any attempt by Consultant to assign the benefits or burdens of this Agreement without the prior written approval of City shall be prohibited and shall be null and void. Consultant's Services pursuant to this Agreement shall be provided by the Consultant's Designated Representative or directly under his/her supervision, and Consultant shall not assign another to supervise the Consultant's performance of this Agreement without the prior written approval of City, by and through the City's Designated Representative.

33. CARE OF WORK. Should Consultant discover any latent or unknown conditions materially differing from those inherent in the Services or as represented by the City, Consultant shall immediately inform the City of such fact and shall not provide any Services, except at Consultant's risk, until written instructions are received from the Project Manager.

34. REPORTS. Upon request by the Project Manager or as otherwise required by this Agreement, including but not limited to, the Scope of Services or Task Orders set forth in Exhibit "A", Consultant shall prepare and submit reports to the City concerning Consultant's performance of the Services required by this Agreement.

35. AUDIT. City shall have the option of inspecting, auditing and/or reproducing all records and other written materials used by Consultant in preparing its billings to City as a condition precedent to any payment to Consultant, or for other purposes relating to the Agreement. Consultant will promptly furnish all documents requested by City. Additionally, if this Agreement is in excess of \$10,000, the State Auditor may examine and audit Consultant for a period of 3 years after final payment under the Agreement. Regardless of whether a State audit is permitted, Consultant shall maintain and preserve all such records for a period of at least 3 years after final payment under the Agreement or until an audit has been completed and accepted by City, whichever occurs later. Consultant shall maintain all such records in City or to promptly reimburse City for all reasonable costs incurred in conducting the audit at a location other than in City, including but not limited to expenses for personnel, salaries, private auditor, travel, lodging, meals and overhead. Consultant shall include a copy of this Section in all contracts with its subcontractors, and Consultant shall be responsible for immediately

obtaining those records or other written material from its subcontractors upon a request by the State Auditor and/or City.

36. ADVERTISING AND PUBLICITY. Consultant shall not use the name of or refer to City directly or indirectly in any advertisement, news release, or professional or trade publication without prior written approval from the City Manager. This Section shall survive the termination of this Agreement.

37. NONDISCRIMINATORY EMPLOYMENT. Consultant shall not unlawfully discriminate against any individual based on race, color, religion or religious creed, national origin, ancestry, ethnic group identification, primary language, physical disability, mental disability, medical condition, genetic information, marital status, gender, gender identity, gender expression, sex, sexual orientation, age, immigration status, citizenship or military and veteran status. Consultant understands and agrees that it is bound by and will comply with all legal nondiscrimination mandates. For every subcontractor who will perform Services, Consultant shall be responsible for such subcontractor's compliance with this Section.

38. COVENANTS AND CONDITIONS. Each term and each provision of this Agreement to be performed by Consultant shall be construed to be both a covenant and a condition.

39. WAIVER. City's review or acceptance of, or payment for, work product prepared by Consultant under this Agreement will not be construed to operate as a waiver of any rights City may have under this Agreement or of any cause of action arising from Consultant's performance. A waiver by City of any breach of any term, covenant, or condition contained in this Agreement will not be deemed to be a waiver of any subsequent breach of the same or any other term, covenant, or condition contained in this Agreement, whether of the same or different character.

40. FORCE MAJEURE. Neither the Consultant nor the City shall be responsible for any delay caused by any contingency beyond their control, including, but not limited to, war or insurrection, walkouts by the Party's own employees, fires, natural calamities, riots, or demands or requirements of governmental agencies other than the City.

41. GOVERNING LAW. The terms of this Agreement shall be interpreted according to the laws of the State of California. Should litigation occur, venue shall be in the Superior Court of California, County of Ventura.

42. SEVERABILITY. If any portion of this Agreement is declared by a court of competent jurisdiction to be invalid or unenforceable, then such portion will be deemed modified to the extent necessary in the opinion of the court to render such portion enforceable and,

as so modified, such portion and the balance of this Agreement will continue in full force and effect and be enforceable.

43. INTEGRATED AGREEMENT. This Agreement and the attached exhibits referenced herein to this Agreement represent the entire understanding between the Parties. No verbal Agreement or implied covenant shall be held to vary the provisions of this Agreement. This Agreement shall bind and inure to the benefit of the Parties to this Agreement and any subsequent successors and assigns.

44. NO THIRD-PARTY BENEFICIARY. This Agreement shall not be construed to be an Agreement for the benefit of any third-party or parties, and no third party or parties shall have any claim or right of action under this Agreement.

45. AUTHORITY TO EXECUTE. Each Party hereto expressly warrants and represents that the signatories to this Agreement have the authority to execute this Agreement on behalf of its corporation, partnership, business entity, or governmental entity, and warrants and represents that the signatories have the authority to bind each Party to the performance of its obligations hereunder.

46. EXECUTION – COUNTERPARTS. This Agreement may be executed in any number of counterparts and each such duplicate counterpart shall constitute an original, but they shall not be effective nor enforceable unless and until it is executed with the handwritten signature or electronic signature of an authorized representative of each of the relevant Parties. No counterpart shall be deemed to be an original or presumed delivered unless and until the counterpart executed by the other Party to this Agreement is in the physical possession of the Party seeking enforcement thereof.

47. INCONSISTENT OR CONFLICTING TERMS. In the event of any contradictions or inconsistencies between any attached documents or exhibits incorporated by reference herein and the provisions of the Agreement itself, the terms of the Agreement shall control. Any exhibit that is attached and incorporated by reference shall be limited to the purposes for which it is attached, as specified in this Agreement. Any contractual terms or conditions contained in such exhibit imposing additional obligations on the City are not binding upon the City and City's Designated Representative unless specifically agreed to in writing, and initiated by City's Designated Representative, as to each additional contractual term or condition.

48. CAPTIONS AND HEADINGS. The captions and headings contained in this Agreement are provided for identification purposes only and shall not be interpreted to limit or define the content, scope, or intent of the provisions described under the respective caption or heading.

49.ACKNOWLEDGEMENT. By signing below, Consultant acknowledges that it has reviewed the City's Professional Services Agreement terms and conditions and insurance requirements and that Consultant hereby agrees to full compliance.

[Signatures on next page]

IN WITNESS WHEREOF, the Parties have entered into this Agreement effective on the date as written in Section 4 and upon signature of all Parties.

CITY OF OXNARD

RJM DESIGN GROUP, INC.

☐ Luis A. Mc Arthur, Mayor ² _____ Date
☐ Jennifer Hiraoka, Purchasing Manager ³

Larry P. Ryan, President _____ Date

Zachary Mueeting,
Secretary,⁴ _____ Date

ATTEST:

Lourdes A. López, City Clerk _____ Date
(only if Mayor authorizes)

APPROVED AS TO FORM:

Stephen M. Fischer, _____ Date
City Attorney (always required)

² The City Council must authorize and the Mayor must execute any agreement over \$220,000.

³ The Purchasing Agent may execute any authorized agreement up to \$220,000.

⁴ The City requires the following for any contract:

- For a corporation, the signatures of the Board President, CEO or Vice President and of the Board Secretary, Assistant Secretary, CFO or Assistant Treasurer;
 - For an LLC, the signatures of at least two managers of the LLC (company directors, not lower-level managers); or
 - For a partnership, the signature of a partner. If the partnership is a limited partnership, the signer must be a general partner.
- If the company has a different structure, or if the above-listed persons are not the appropriate signers, please submit to the City Attorney legally-binding documentation stating who can sign and bind your company.

EXHIBIT A

PROFESSIONAL SERVICE AGREEMENT (CITY of Oxnard and RJM Design Group, Inc.)

SCOPE OF SERVICES

PROJECT MANAGER:

Petros Gazazyan
petros.gazazyan@oxnard.org
805-509-9110

General Scope of Work:

The Landscape Architectural Consultant (Consultant) shall provide landscape architectural design services, including but not limited to, the design of parkway and median landscapes, design of landscapes around public buildings, design of public parks, design for playgrounds including surfaces and playground equipment layout, conduct public engagement to communicate the project proposals to neighborhood council and residents, review and provide recommendations for landscape standards, feasibility/concept plan studies and recommendations; preliminary design reports; hiring and managing applicable subconsultants and engineering disciplines as required; preparation of construction plans, specifications and estimates (opinions of construction cost); research of utilities and other records; and such other services as may be required by the CITY. Consultant shall provide services on projects as authorized and directed by CITY under a duly executed and approved Task Order. Consultant shall, in the performance of this Agreement, maintain close communications with the City Project Manager or his/her representative. No services shall be performed on any specific project until the CITY has issued a signed Task Order to Consultant for that particular project.

Work Tasks:

Upon request by CITY, Consultant will perform the following tasks for needed improvements to municipal infrastructure facilities, as applicable for individual projects:

1. The Consultant shall be a State of California Licensed Landscape Architect, experienced in public agency landscape and irrigation improvements and maintenance operations.
2. The Consultant shall provide on-call services to consult with City Staff to address a variety of technical issues including but not limited to field reviews, landscape evaluations, irrigation system evaluation, plant material quality reviews, budgeting, and conceptual design of potential solutions and costs

3. The Consultant shall provide design services (Schematic Design, Design Development, and Construction Documents) for the preparation of plans, specifications, and estimates for landscape improvements, renovations, and Capital Improvement Projects including, but not limited to, landscaping, irrigation (including conversion of potable to recycled water irrigation), site amenities, public art, and landscape and water quality improvements for such facilities as parks, median islands, parkways, sports fields, open spaces, trails, habitat areas and related facilities.

4. The Consultant shall provide design services during construction, including periodic site visits, review of shop drawings, and preparing responses to contractor's RFIs, provide drafting and computer-aided drafting support, perform record drawing, utility, or other searches, perform field investigations and design surveying, prepare record ("as built") drawing, and attend project meetings as necessary.

5. The Consultant shall assist Staff with the review and improvement of the City Code requirements for landscaping and irrigation-related water conservation and water quality, the Landscape Maintenance Specifications, the Tree Maintenance Specifications, the Rodent Control Specifications, and other similar work efforts.

Projects under this Agreement may involve one or more of the following Municipal Infrastructure Improvements:

- Storm drainage collection systems including WQMP and Drainage Reports;
- Post-construction stormwater mitigation systems;
- Arterial, collector, and local streets;
- Transportation system;
- Buildings and other types of facilities;
- Public Park improvements;
- Beach maintenance;
- Other undertakings to be determined.

Individual Project Task Order:

Upon request by CITY, Consultant shall submit for CITY review an individual project proposal including all information required to complete a Task Order for the individual project.

Task Order proposal shall identify the specific tasks to be performed by the Consultant. Tasks shall be listed in chronological order reflecting the entire scope of work as requested by the CITY, along with an estimated cost per task and a combined total Not-to-Exceed cost.

Proposals shall contain the names and titles of Consultant's personnel assigned to perform the work and specifically identify the individual who will be the Project Manager.

Proposals shall contain a project schedule indicating the various tasks and estimated time required to complete each task. Consultant's project schedule shall reflect all work to be performed by the Consultant from initial execution through completion.

City of Oxnard

Insert Department Name

305 West Third Street, East Wing Oxnard, California 93030

TASK ORDER

All Task Orders must include a copy
of the vendor proposal/estimate

Task Order No.:	Agreement No.:
Task Order NTE Amount:	Agreement NTE Amount:
City Purchase Order No.:	Agreement Type:
Agreement Expiration Date:	
Prime Consultant:	Subconsultant(s):

PROJECT TITLE OR SPECIFICATION NO.:

PROJECT DESCRIPTION:

DESCRIPTION OF SERVICES TO BE PERFORMED UNDER THIS TASK ORDER:

TIME FOR COMPLETION OF SERVICES UNDER THIS TASK ORDER:

COMPENSATION FOR SERVICES SHALL NOT EXCEED THE TASK ORDER NTE AMOUNT.

City Project Manager:

Consultant Project Manager:

Services under this Task Order shall not proceed until this Task Order is executed by the City and Consultant and the City issues a Notice to Proceed. This Task Order may only be modified in writing and subject to City approval. Consultant shall not exceed the scope of the task order or NTE amount.

City of Oxnard

[Consultant]

[designated rep] Date

[Name & Title] Date

Insert Department
Assistant Director/Director Date

[Name & Title] Date

For internal City Use Only

Account Number and Project Number	Example 1011234-53200-CXXXX
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EXHIBIT B**PROFESSIONAL SERVICE AGREEMENT
(CITY of Oxnard and RJM Design Group, Inc.)****SCHEDULE OF COMPENSATION**

RJM DESIGN GROUP, INC.	
Principal Landscape Architect	\$240 per hour
Associate Landscape Architect	\$215 per hour
Landscape Architect	\$200 per hour
Job Captain / Landscape Designer	\$185 per hour
CADD Technician / Graphics	\$170 per hour
Word Processor	\$125 per hour
CIVTEC (CIVIL ENGINEER)	
Principal	\$235 per hour
Project Manager	\$185 per hour
Project Engineer	\$165 per hour
Project Surveyor	\$185 per hour
Design Engineer	\$135 per hour
Draftsperson	\$105 per hour
Project Assistant	\$90 per hour
2-Man Survey Crew	\$375 per hour
3-Man Survey Crew	\$550 per hour
GLASIR (IRRIGATION)	
On-Site Consulting / Public Agency Coordination	\$150 per hour
Irrigation Designer	\$125 per hour
Plan Check	\$125 per hour
FBA ENGINEERING (ELECTRICAL ENGINEERING)	
Principal / Project Director	\$250 per hour
Associate / Project Manager	\$175 per hour
Construction Support	\$150 per hour
Electrical Designer	\$120 per hour
CAD / BIM Designer	\$100 per hour
Technical Typist	\$60 per hour

Charges for sub-consultant services are billed at cost plus a 15% coordination fee.

REIMBURSABLE EXPENSES

When incurred, the following project expenses will be billed at cost in addition to the above professional services fee:

- Printing, plotting, copying, scanning, photography, graphic expenses
- Delivery, shipping, and handling of documents
- Permits, plan check, and inspection fees
- City business license
- Soils testing

Billings for all time and materials and contract extension work shall be in accordance with the level of work performed based on the categories listed above.

EXHIBIT C

PROFESSIONAL SERVICES AGREEMENT (CITY of Oxnard and RJM Design Group, Inc.)

INSURANCE REQUIREMENTS

Prior to contract approval and beginning of services under this agreement, Consultant must procure, agree to maintain and supply evidence of insurance at the levels listed and in accordance with the other provisions listed in this document.

[SEE NEXT PAGES]

**INSURANCE REQUIREMENTS FOR CONSULTANTS
(WITH ERRORS AND OMISSIONS REQUIREMENT)**

1. Consultant shall obtain and maintain during the performance of any services under this Agreement the following insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of services hereunder by Consultant, its agents, representatives, employees or subconsultants.

a. Commercial General Liability Insurance, including Contractual Liability, in an amount not less than \$1,000,000 combined single limit for bodily injury and property damage for each claimant for general liability with coverage equivalent to Insurance Services Office Commercial General Liability Coverage (Occurrence Form CG 0001). If a general aggregate limit is used, that limit shall apply separately to the project or shall be twice the occurrence amount;

b. Business automobile liability insurance in an amount not less than \$1,000,000 combined single limit for bodily injury and property damage for each claimant for automobile liability with coverage equivalent to Insurance Services Office automobile liability coverage (Occurrence Form CA0001) covering Code No. 1, "any auto;"

c. Professional liability/errors and omissions insurance appropriate to Consultant's profession to a minimum coverage of \$1,000,000, with neither Consultant nor listed subconsultants having less than \$500,000 individually. The professional liability/errors and omissions insurance must be project specific with at least a one year extended reporting period, or longer upon request.

d. Workers' compensation insurance in compliance with the laws of the State of California, and employer's liability insurance in an amount not less than \$1,000,000 per claimant. Additionally, the workers' compensation policy shall include a waiver of all rights of subrogation which the insurer may have against the City.

2. Consultant shall, prior to performance of any services, file with the Risk Manager certificates of insurance with original endorsements effecting coverage required by this Exhibit INS-A. The certificates and endorsements for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. The certificates and endorsements are to be on the attached forms or on other forms approved by the Risk Manager. All certificates and endorsements are to be received and approved by the Risk Manager before commencement of services. City reserves the right to require complete certified copies of all required insurance policies at any time. The certificates of insurance and endorsements shall be sent via email. If you have not received your request or are having difficulty with electronic upload, contact insurance@oxnard.org

3. Consultant agrees that all insurance coverages shall be provided by a California admitted insurance carrier with an A.M. Best rating of A:VII or better and shall be endorsed to state that coverage may not be suspended, voided, canceled, or reduced in coverage or limits without 30 days' prior written notice to the Risk Manager. The Risk Manager shall not approve or accept any endorsement if the endorsement contains "best effort" modifiers or if the insurer is relieved from the responsibility to give such notice.

4. Consultant agrees that the commercial general liability and business automobile liability insurance policies shall be endorsed to name City, its City Council, officers, employees, agents and volunteers as additional insureds as respects: liability arising out of activities performed by or on behalf of Consultant; products and completed operations of Consultant; premises owned, occupied or used by Consultant; or automobiles owned, leased, hired or borrowed by Consultant. The coverage shall contain no special limitations on the scope of protection afforded to City, its City Council, officers, employees, agents and volunteers. The General Liability Special Endorsement Form and Automobile Liability Special Endorsement Form attached to this Exhibit INS-A or substitute forms containing the same information and acceptable to the Risk Manager shall be used to provide the endorsements (ISO form CG 2010 11/85 or if not available, CG 2010 with an edition date prior to 01/04 and CG 2037).

5. The coverages provided to City shall be primary and not contributing to or in excess of any existing City insurance or self-insurance coverages (this must be endorsed). Additionally, the workers' compensation policy shall include a waiver of all rights of subrogation which the insurer may have against the City. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to City, its City Council, officers, employees and volunteers. The insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

6. The insurer shall declare any deductibles or self-insured retentions to and be approved by the Risk Manager. At the option of the Risk Manager, either the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects City, its City Council, officers, employees and volunteers, or the Consultant shall procure a bond guaranteeing payment of losses and related investigations, claim administration and defense expenses.

7. All insurance standards applicable to Consultant shall also be applicable to Consultant's subconsultants. Consultant agrees to maintain appropriate agreements with subconsultants and to provide proper evidence of coverage upon receipt of a written request from the Risk Manager.

INSTRUCTION FOR SUBMITTING INSURANCE CERTIFICATES AND ENDORSEMENT FORMS*Certificates of Insurance*

The sample accord form on the following page is provided to facilitate your preparation and submission of certificates of insurance. You may use this or any industry form that shows coverage as broad as that shown on the attached sample. **Please note the certificate holder address must be as shown on the attached sample accord form with the contract number and insurance exhibit identification information completed.** Improperly addressed certificates may delay the contract start-up date because the City's practice is to return unidentifiable insurance certificates to the insured for clarification as to the contract number. **Cancellation provisions must be endorsed to the policy. Modifying the certificate does not change coverage or obligate the carrier to provide notice of cancellation.**

Endorsement Forms

Original endorsements are required for commercial general liability and business automobile liability insurance policies and must be attached to the applicable certificate of insurance. City preference is that the Consultant/insurer use the endorsement forms which are attached. Substitute forms will be accepted, however, as long as they include provisions comparable to the sample accord form.

INS-A.doc

Exhibit INS-A

ACORD CERTIFICATE OF INSURANCE						ISSUE DATE (MM/DD/YY)	
PRODUCER			THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.				
CODE		SUB-CODE		COMPANIES AFFORDING INSURANCE COVERAGE			
INSURED		COMPANY LETTER A		SPECIFY COMPANY NAMES IN THIS SPACE			
		COMPANY LETTER B					
COVERAGES THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.							
CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS		
A	GENERAL LIABILITY ☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS MADE ☒ OCCUR. ☒ OWNER'S & CONTRACTOR'S PROT.				GENERAL AGGREGATE \$1,000,000 PRODUCTS COMP/OP AGG. \$1,000,000 PERSONAL & ADV. INJURY \$1,000,000 EACH OCCURRENCE \$1,000,000 FIRE DAMAGE (Any one fire) \$ MED. EXPENSE (Any one person) \$		
A	AUTOMOBILE LIABILITY ☒ ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS HIRED AUTOS NON-OWNED AUTOS GARAGE LIABILITY				COMBINED SINGLE LIMIT \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE \$		
A	EXCESS LIABILITY UMBRELLA FORM OTHER THAN UMBRELLA FORM				EACH OCCURRENCE \$ AGGREGATE \$		
A	WORKERS' COMPENSATION AND EMPLOYERS' LIABILITY				STATUTORY LIMITS EACH ACCIDENT \$1,000,000 DISEASE-POLICY LIMIT \$1,000,000 DISEASE-EACH EMPLOYEE \$1,000,000		
A	OTHER Errors and omissions insurance or malpractice insurance available for the insured's profession				Minimum coverage \$1,000,000 Each consultant/ & listed sub-consultant \$500,000		
DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/RESTRICTIONS/SPECIAL ITEMS							
CERTIFICATE HOLDER CITY OF OXNARD % Evident ID, Inc. 8520 Allison Pointe Blvd. Ste 223 PMB 5210 Indianapolis, Indiana 46250-4299 US			CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.				
AUTHORIZED REPRESENTATIVE							

Rev. 1/23

INS-A.doc

EXHIBIT D

PROFESSIONAL SERVICES AGREEMENT (CITY of Oxnard and RJM Design Group, Inc.)

LIVING WAGE POLICY

Pursuant to the Living Wage Policy adopted July 9, 2002 by the City Council and effective October 1, 2002, the City Manager and City Attorney are directed to include the following language in all standard Consultant/Professional Services contracts that may be governed by the Living Wage Policy.

- A. Consultant shall compensate any employee of Consultant who provides Services under this Agreement in accordance with the Living Wage Policy, attached hereto and incorporated herein by reference as the Living Wage Policy Exhibit. While this Agreement is in effect, Consultant shall pay such employee no less than \$20.06 per hour for each hour that such employee provides Services under this Agreement. In addition, while this Agreement is in effect, Consultant shall provide to such employee no less than 96 hours of paid leave per calendar year.
- B. Consultant agrees to post, at a location readily accessible to those employees providing Services to the City, a copy of the Living Wage Policy adopted by City Council on July 9, 2002 and effective October 1, 2002.
- C. If Consultant fails to compensate such employee pursuant to the Living Wage Policy, the City Manager or designee shall terminate this Agreement on written notice to Consultant, effective immediately.
- D. In addition, if Consultant fails to comply with the Living Wage Policy in any manner, Consultant shall pay to City a fine of \$500 and shall pay to any employee providing Services under this Agreement a penalty of three times the amount or value of the compensation owed to such employee under the Living Wage Policy. Consultant shall pay such fine and penalty within fifteen (15) calendar days after the City Manager or designee provides written notice to Consultant of the amount owed.

**CITY OF OXNARD LIVING WAGE REQUIREMENTS
EFFECTIVE JULY 1, 2025**

Consultant shall compensate any employee of Consultant who provides Services under this Agreement in accordance with the Living Wage Policy, attached hereto and incorporated herein by reference as Exhibit D. While this Agreement is in effect, Consultant shall pay such employee no less than \$20.06 per hour for each hour that such employee provides Services under this Agreement. This hourly rate shall be adjusted on July 1, 2026, and each July 1 thereafter, according to the percentage change in the Consumer Price Index, all items, prepared by the Bureau of Labor Statistics for the Los Angeles area relating to all urban consumers (CPI-U), index base 1982-84=100, comparing May of the previous year to May of the current year. In addition, while this Agreement is in effect, Consultant shall provide to such employee no less than 96 hours of paid leave per calendar year.

a. Consultant agrees to post, at a location readily accessible to those employees providing Services to the City, a copy of the Living Wage Policy adopted by the Oxnard City Council on July 9, 2002 and effective October 1, 2002.

b. If Consultant fails to compensate such employee pursuant to the Living Wage Policy, the City Manager or designee shall terminate this Agreement on written notice to Consultant, effective immediately.

c. In addition, if Consultant fails to comply with the Living Wage Policy in any manner, Consultant shall pay to City a fine of \$500 and shall pay to any employee providing Services under this Agreement a penalty of three times the amount or value of the compensation owed to such employee under the Living Wage Policy. Consultant shall pay such fine and penalty within fifteen (15) calendar days after the City Manager or designee provides written notice to Consultant of the amount owed.

EXHIBIT E

PROFESSIONAL SERVICES AGREEMENT (CITY of Oxnard and RJM Design Group, Inc.) PREVAILING WAGE

1. Consultant acknowledges that the Project defined in the Agreement between Consultant and City is a “public work” as defined in Division 2, Part 7, Chapter 1 of the California Labor Code (“Chapter 1”), and that this Agreement is subject to Chapter 1 and the rules and regulations established by the Director of Industrial Relations (“DIR”) implementing such statutes. Consultant shall perform the Project as a public work. Consultant shall comply with and be bound by all the terms, rules and regulations described in Chapter 1 and the DIR’s rules and regulations as though set forth in full herein.
2. Pursuant to Labor Code Section 1773.2, copies of the prevailing rate of per diem wages for each craft, classification, or type of worker needed to perform the Agreement are on file at City Hall and will be made available to any interested party on request. Consultant acknowledges receipt of a copy of the DIR determination of such prevailing rate of per diem wages, and Consultant shall post such rates at each job site covered by this Agreement.
3. Consultant is required to post job site notices, as prescribed by regulation. See Labor Code Section 1771.4(a)(2).
4. Consultant shall comply with and be bound by the provisions of Labor Code Sections 1774 and 1775 concerning the payment of prevailing rates of wages to workers and the penalties for failure to pay prevailing wages. Consultant shall, as a penalty to City, forfeit not more than \$200 for each calendar day or portion thereof for each worker paid less than the DIR’s determined prevailing rates for the work or craft in which the worker is employed pursuant to this Agreement by Consultant or any subcontractor. The Labor Commissioner shall determine the amount of the penalty as described in Section 1775.
5. Consultant shall comply with Labor Code Section 1776, which requires Consultant and each subcontractor to (1) keep accurate payroll records and verify such records in writing under penalty of perjury, (2) certify and make such payroll records available for inspection, and (3) inform City of the location of the records.
6. Consultant shall comply with Labor Code Sections 1777.5, 1777.6 and 1777.7 and California Administrative Code Title 8, Section 200 et seq. concerning the employment of apprentices on public works projects for all apprenticeable occupations. Before commencing work under this Agreement, Consultant shall provide City with a copy of the information submitted to any applicable apprenticeship program. Within 60 days after concluding the Project, Consultant and each of its subcontractors shall submit to City a verified statement of the journeyman and apprentice hours performed under this Agreement.

7. Consultant may not be debarred or suspended throughout the Agreement Term pursuant to Labor Code Section 1777.1 or 1777.7. If he, she or it becomes debarred or suspended in the Agreement Term, Consultant must immediately notify City.

8. Consultant is not qualified to bid on, be listed in a Bid proposal, or engage in the performance of any contract for public work, as defined in Labor Code Sections 1720 through 1861, unless currently registered and qualified to perform public work pursuant to Labor Code Section 1725.5. Consultant shall continue without interruption to stay registered and qualified to perform public work pursuant to Section 1725.5 for the duration of the term of this Agreement. This provision does not apply to construction, alteration, demolition, installation or repair work of \$25,000 or less or to maintenance work of \$15,000 or less.

9. Consultant acknowledges that 8 hours labor constitutes a legal day's work. Consultant shall comply with and be bound by Labor Code Section 1810.

10. Consultant shall comply with and be bound by Labor Code Section 1813 concerning penalties for workers who work excess hours. Consultant shall, as a penalty to City, forfeit \$25 for each worker employed in the performance of this Agreement by Consultant or by any subcontractor for each calendar day during which such worker is required or permitted to work more than 8 hours in any calendar day and 40 hours in any one calendar week in violation of the provisions of Division 2, Part 7, Chapter 1, Article 3 of the Labor Code. Pursuant to Labor Code Section 1815, work performed by Consultant's employees in excess of 8 hours per day and 40 hours per week shall be permitted upon public work upon compensation for all hours worked in excess of 8 hours per day at not less than 1 ½ times the basic rate of pay.

11. The Project listed in the Agreement is subject to compliance monitoring and enforcement by the DIR.

12. Consultant shall be responsible for each and every one of its subcontractors' compliance with Chapter 1, the DIR's rules and regulations, and Labor Code Sections 1860 and 3700. Consultant shall include in the written contract between it and each subcontractor a copy of, and a requirement that each subcontractor shall comply with, those statutory provisions. Consultant shall be required to take all actions necessary to enforce such contractual provisions and ensure subcontractors' compliance, including without limitation, conducting a periodic review of the certified payroll records of each subcontractor, and upon becoming aware of the failure of the subcontractor to pay its workers the specified prevailing rate of wages, Consultant shall diligently take corrective action to halt or rectify any failure.

13. To the maximum extent, Consultant shall hold harmless, defend (with counsel approved by the City Attorney) and indemnify City, its legislative bodies, and its officials, officers, employees and agents from any demand or claim for damages, compensation, fines, penalties or other amounts arising out of or incidental to any acts or omissions listed above by any person or entity (including Consultant, its subcontractors, and each of their officials, officers, employees and agents) in connection with any work undertaken or in connection with the Agreement, including without limitation the payment of all attorneys' fees and other related costs. All duties of Consultant under this Section shall survive Agreement termination.

RATES AND COSTS EXHIBIT

RATE SHEET

Listed below are the all-inclusive rates of SVA and our selected subconsultants.

SVA Architects (Architect)

Partner/Principal	\$225
Senior Project Architect/Manager	\$195
Senior Designer	\$185
Project Architect/Manager	\$175
Job Captain	\$155
Intermediate Technical Designer	\$125
Junior Technical Designer	\$100
Clerical Staff	\$75

VCA Engineers (Civil Engineer)

Principal Engineer	\$190
Lead/Senior Project Engineer	\$165
Project Engineer	\$150
Senior CADD Technician	\$100

Coffman Engineers (Structural Engineer)

Principal I-III	\$225-\$265
Senior Discipline Manager	\$215
Senior Discipline Engineer	\$205
Senior Engineer	\$180
Engineer I-III	\$118-\$150
Senior Designer (CAD/BIM)	\$143
Designer I-III (CAD/BIM)	\$100-\$130
Drafter I-II (CAD/BIM)	\$90-\$95
Clerical	\$75

AE Group (Mechanical/Plumbing Engineer)

Mechanical Engineer	\$225
Mechanical Engineering Assistants	\$175

FBA Engineering (Electrical Engineer)

Principal / Project Director	\$210
V.P. / Senior Associate	\$160
Associate / Project Manager	\$160
Construction Support	\$135
Electrical Designer	\$110
CAD / BIM Designer	\$90
Technical Typist	\$50

Jordan, Gilbert, Baine (Landscape Architect)

Principal	\$165
Director of Design	\$140
Director of Production	\$140
Project Manager	\$110
Landscape Designer	\$90
CAD Designer	\$85
Clerical	\$55

Sierra West Group (Cost Estimator)

Chief Estimator	\$125
-----------------	-------

RATES AND COSTS EXHIBIT

Listed below is the current schedule of hourly rates for work to be carried out under the On-Call Services agreement. The listed hourly rates are defined by billing classification and include all direct and indirect expenses and fees. This rate schedule will be honored for the duration of the On-Call Services agreement. (Audited total billing rates including direct labor, fringe, indirect costs, fee/profit and overhead expenses can be provided for review upon request.)

PACIFIC COAST LAND DESIGN, INC.	
Principal	\$190.00/hr
Project Manager / Landscape Architect	\$165.00/hr
Landscape Designer	\$110.00/hr
Administrative	\$75.00/hr

ENCOMPASS CONSULTANT GROUP	
Principal Engineer	\$190.00/hr
Senior Engineer II	\$165.00/hr
Associate Engineer	\$140.00/hr
Designer	\$95.00/hr
Principal Surveyor	\$180.0/hr
Two-Man Survey Crew	\$255.00/hr

PROJECT RELATED REIMBURSABLE EXPENSES

Listed below are expenses PCLD typically bills to a project if incurred during the course of a project that is initiated from the On-Call Services agreement. PCLD will provide estimates of reimbursable expenses as part of the proposed scope of work for a given project.

Reimbursable project costs will not be accrued until authorized by the City of Oxnard contract administrator.

- Reproduction of all documents, including postage and shipping charges shall be paid for at cost plus 15% for processing and handling.
- Special tests required due to site conditions.
- Sub-consultant services for work which the landscape architect is not licensed to provide.

RATES AND COSTS EXHIBIT

KTUA STAFF		
Name	Title	Hourly Rate
Mike Singleton	Senior Principal Planner/Landscape Architect	\$185
Staff	Principal Landscape Architect	\$175
Staff	Irrigation Design Manager	\$165
Staff	Senior Associate Landscape Architect	\$155
Matt Wilkins	Associate Landscape Architect	\$125
Staff	Senior Designer	\$120
Staff	Designer	\$105
Staff	Clerical	\$80

KTUA EXPENSES		
Description	Cost	% Mark-up
Mileage	at IRS approved rate	0%
Copy services/reproduction	at cost	10%
Delivery services	at cost	10%

SUBCONSULTANT - DELANE ENGINEERING		
Name	Title	Hourly Rate
Scott Uhles	Principal	\$190
Steve Down	Project Manager	\$175
Staff	Project Engineer	\$150
Staff	Design Engineer	\$130
Staff	Assistant Engineer	\$90
Staff	Project Coordinator	\$85
Staff	Office Support/ Clerical	\$70
Staff	Student Engineer	\$60
Staff	Site BIM Manager (P.E.)	\$165
Staff	Site BIM Engineer	\$105
Staff	Site BIM Technician	\$80
Staff	Construction Inspector	\$120
Staff	Qualified SWPPP Practitioner (QSP)	\$110

Multiple Agreements for On-Call Landscape Architect Services

Public Works and Transportation Committee
September 9, 2025

Morgan Kessler, PE
City Engineer

That the Public Works and Transportation Committee recommend that the City Council approve and authorize the Mayor to execute the following Agreements, each with an initial term of three years from October 8, 2025, to October 7, 2028, with an option for two consecutive one-year period extensions ending October 7, 2030, for on-call Professional Landscape Architect Services:

1. Agreement 32600006 with David Volz Design Landscape Architects, Inc. DBA David Volz Design for a total amount not to exceed \$750,000;
2. Agreement 32600007 with IDS Group, Inc. for a total amount not to exceed \$750,000;
3. Agreement 32600008 with Pacific Coast Land Design, Inc. for a total amount not to exceed \$750,000; and
4. Agreement 32600009 with RJM Design Group, Inc. for a total amount not to exceed \$750,000.

- The Public Works Department (PW) utilizes professional consulting firms to provide licensed, technical expertise in various disciplines that support the Capital Improvement Program (CIP).
- Utilization of these specialized contractors is necessary to provide services that supplement the skills, experience, and sometimes peak workload times of City staff.
- It is in the City's interest to have a pool of these professional service contractors available on-call so that work can proceed in fairly short order.
- On-call professional service agreements reduce the amount of time to procure service contractors, and facilitate the timely completion of CIP and other projects.

- These specialized services include but are not limited to;
 - General landscape architectural design services
 - Landscape & parks design
 - Coordinating public outreach events
 - Preparing project budget estimates
 - Producing reports, renderings, studies, masterplans, conceptual designs, drawings and specifications
 - Permitting requirements
 - Utility coordination and design services

- The Purchasing Department released Request for Proposals (RFP) 25-106 for On-Call Landscape Architect Services.
 - Released March 24, 2025
 - Due date April 15, 2025
- RFP 25-106 was directly sent to three potential vendors and published on www.PublicPurchase.com as well as the City's Purchasing website.
- The City received 14 proposals from qualified vendors

- The qualifications were reviewed by:
 - Engineering Division (Division Manager),
 - Senior Construction Project Manager,
 - Construction Project Manager
- David Volz Design Landscape Architect, Inc., IDS Group, Pacific Coast Land Design, Inc., and RJM Design Group, Inc. are recommended for selection based on the following scoring criteria:
 - Company profile
 - Assigned staff
 - Relevant experience
 - Overall responsiveness

- Total cost for each agreement shall not exceed \$750,000 during the five-year term if all extension options are exercised.
- Funding will be per identified in the CIP, or by Division Adopted Budget.
- The respective Division/Project Manager will ensure sufficient funding is available for each task.
- Subsequent fiscal year allocations will be requested during the annual budget process.



End of Presentation



PUBLIC WORKS AND TRANSPORTATION COMMITTEE AGENDA REPORT

REPORTS AGENDA ITEM NO. D.3

DATE: September 9, 2025

TO: Public Works and Transportation Committee

FROM: Michael Wolfe, Public Works Director, (805) 385-8055, michael.wolfe@oxnard.org

SUBJECT: FY 2025-26 Harbour Island Homeowners Association Donation to Waterways Maintenance Assessment District Zone 2 - Harbour Island (Agreement A-8597) and Budget Adjustment. (10 minutes)

RECOMMENDATION

That the Public Works and Transportation Committee recommend the City Council, acting as the legislative body of the Waterways Maintenance Assessment District, approve and authorize:

1. Acceptance of a \$17,400 donation from the Harbour Island Homeowners Association (HOA) to support landscape maintenance and on-call services within the Harbour Island linear park; and
2. Approval of Agreement A-8597, entered by and between the City of Oxnard and the Harbour Island Homeowners Association for the donation; and
3. Approval of associated budget appropriations within Waterways Maintenance Assessment District Zone 2 – Harbour Island Fund (120-40203801) to recognize the full amount of the donation revenue and to authorize expenditures up to the full amount of available funding consistent with the specific purposes outlined in the Agreement.

Please click the following link to view the required Measure M pre-recorded presentation video:

<https://youtu.be/7ki6L2HeNnE>

BACKGROUND

The Waterways Maintenance Assessment District (WAD) was formed on June 16, 1970, by the Oxnard City Council through Resolution No. 5121, pursuant to the Improvement Act of 1911 (Streets and Highways Code § 5820 et seq.). The District was established to finance, in perpetuity, capital improvements, maintenance, and operational expenses related to public infrastructure including landscaping, sidewalks, streets, water, flood control, drainage systems, and vector control. In practice, the District's responsibilities have focused on maintaining public waterways, bulkheads, parking areas, and landscaped spaces within the Mandalay Bay neighborhood. In October 1987, the City annexed additional parcels from Mandalay Bay Phase IV, now known as "Harbour Island", into the District through Resolution No. 6830. As part of this annexation, the City established two assessment zones: Zone 1 for the original Mandalay Bay area and Zone 2 for Harbour Island. Similar to Zone 1, Zone 2 is also authorized to provide a wide range of services, including maintenance of waterways, bulkheads, landscape areas, asphalt, curbs, irrigation systems, and water quality monitoring.

In 1996, the passage of Proposition 218 by California voters introduced limits on assessment amounts, thereby only allowing assessment increases by a majority vote of the property owners. Since Prop 218 took effect, the

annual assessment for WAD Zone 2 has remained capped at \$47,949, with no mechanism for inflationary adjustment. For almost three decades, inflation has steadily increased and eroded the purchasing power of these funds. To provide the same effective amount of revenue would now require the assessment to be approximately \$98,123 in 2025 dollars. However, due to the restrictions imposed by Prop 218, the assessment continues to be limited to \$47,949 without regard for increases in costs of services.. This has resulted in a significant reduction in the District’s ability to sustain service levels. Recent revenues from the annual assessments have generally been insufficient to cover the costs of major repairs, enhancements, or routine upkeep of other authorized improvements.

DISCUSSION:

Special Districts staff has met with the Harbour Island HOA on multiple occasions to address the recurring budget shortfalls in Waterways Maintenance District Zone 2, which continue to be impacted by Proposition 218’s cap on annual assessments. The HOA has provided financial contributions on several occasions in recent years to help maintain service levels in the absence of additional assessment revenue. In FY 2020-21, the HOA donated \$4,853 to WAD Zone 2 to fund water quality remediation efforts in the channel. The HOA also donated \$15,446 to WAD Zone 2 in FY 2023-24 to fully fund contracted landscape services in Harbour Island for the year, as well as additional maintenance needs, including irrigation repairs, plant material replacement, and mulching.

For FY 2025-26, the HOA has proposed a donation of \$17,400 to WAD Zone 2. California Government Code section §37354 authorizes municipalities to accept donations for public purposes, and the Donation Agreement specifies that these funds are to be used exclusively for landscape maintenance and improvements within the Harbour Island linear park. Through discussion with the community during the FY 2025-26 budget process, staff anticipated a donation from the HOA to supplement services within their district. Staff subsequently included projected revenue and expense amounts to reflect the HOA donation. However, the exact donation amount was not provided by the Harbour Island HOA until after the FY 2025-26 budget had been adopted. Therefore, budget adjustments to both revenues and expenses are necessary in order to align the budgeted revenues with the donation total, as well as the budgeted expenses to allow for the increased expenditures that will be enabled by these funds.

STRATEGIC PRIORITIES

This agenda item supports the Infrastructure and Natural Resources strategy. The purpose of the Infrastructure and Natural Resources strategy is to preserve and improve our roads, utilities, parks, trees, water supply and natural resources through effective planning, prioritization, and an equitable and efficient use of available funding.

FINANCIAL IMPACT

During the creation of the FY 2025-26 Harbour Island Zone 2 budget, Special Districts staff met with members of the community to determine their total donation amount. When the FY 2025-26 budget was adopted, the HOA donation amount had not been agreed upon. Therefore, a placeholder in the amount of \$15,452 was included in the budget by staff in anticipation of this donation and expenses were budgeted slightly lower to provide for a margin of error. However, the actual donation amount from the HOA is \$17,400 and budget adjustments are needed to both the revenues, to account for the actual donation amount, and the expenses, to reflect the actual total available funding, for Harbour Island Zone 2.

Acceptance of this donation will have no impact on the General Fund. The \$17,400 donation will be recognized in revenue account 40203801-47300 (Donations and Contributions). The additional expenses will be incurred in 40203801-53200 (Professional Services) for Waterways Maintenance District Zone 2 – Harbour Island. Adjustments to the listed line-items are outlined in the tables below.

WAD Zone 2 Revenue:

Account	FY 2025-26 Adopted Budget	FY 2025-26 Revised Budget (if approved)	Adjustment
40203801-47300 (Donations and Contributions)	\$15,452	\$17,400	\$1,948

WAD Zone 2 Expenditures:

Account	FY 2025-26 Adopted Budget	FY 2025-26 Revised Budget (if approved)	Adjustment
40203801-53200 (Professional Services)	\$42,700	\$45,018	\$2,318

Prepared by: Steve Howlett, Assistant Public Works Director, Anthony Miller, Special Districts Manager

ATTACHMENTS

1. Harbour Island HOA Donation Agreement A-8597
2. City of Oxnard Special Districts Map
3. City of Oxnard Special Districts List
4. Presentation

CITY OF OXNARD DONATION AGREEMENT

THIS DONATION AGREEMENT (“Agreement”) is entered into in Ventura County, California, on October 7, 2025. This Agreement is entered by and between the City of Oxnard (“City”) and Harbour Island Homeowners Association (“Donor”), for good and valuable consideration, subject to the following terms and conditions:

SECTION 1. DONATION

Donor is (check and complete all that apply):

- ☒ Donating \$17,400 in a lump sum.
- ☐ Donating \$_____ in _____ (monthly, quarterly, etc.) payments of \$_____ in _____ installments.
- ☐ Donating the following (describe equipment):
- ☐ Donor prefers the City use the Donation for the following limited purpose(s):

The donation by Harbour Island Homeowners Association is to be specifically used for landscape maintenance and improvements within the Harbour Island linear park.

SECTION 2. BEHESTED DONATION

- ☐ If this box is checked this donation is being made at the behest of CouncilMember/Commissioner/City Staff Member _____.

If the Donation is being made at the behest of an elected official, the City shall notify the elected official that the elected official may be required to submit a Form 803 Behested Payment Report to the Fair Political Practices Commission.

SECTION 3. ADDITIONAL CONDITIONS

The City’s acceptance of the Donation is subject to the conditions specified as follows:

1. Pursuant to California Government Code Section 37354, the City acknowledges that the Donation shall be used for a public purpose as described in **Section 1**.
2. The City shall provide Donor with a donation receipt indicating the amount of the donation or estimated value of goods or services donated within 30 days of receiving the Donation.

3. The City will make best efforts to use the Donation for the purpose(s) specified in **Section 1**. If it is impractical for the City to use the Donation for the purposes specified in **Section 1**, the City may use the Donation in any manner at its sole discretion and Donor has no right or obligation to control City's use of the donation.
4. Donor has not and will not receive any goods or services in exchange for the Donation and the City will not grant any extra consideration to the Donor in relation to City procurement, regulatory matters, or any other business, services, or operations of the City.
5. No Warranties. Donor(s), including its officers, employees, and agents, make no representations whatsoever, extend no warranties of any kind, either express or implied, including but not limited to the implied warranties of merchantability or fitness for a particular purpose, and assumes no responsibilities whatsoever with respect to design, development, manufacture, or use of the Donated Equipment.

SECTION 4. COORDINATION

In connection with administering this agreement, Donor and City shall work through the following primary representatives:

	CITY OF OXNARD	DONOR
PRIMARY REPRESENTATIVE	Patrick Fleming, Special Districts Administrative Project Manager	Richard Drake, Harbour Island Homeowners Association, President
ADDRESS	1060 Pacific Ave, Building 1 Oxnard, CA 93030	C/O Community Property Management (CPM), Seti Sabi, 751 E. Daily Drive, Suite 300, Camarillo, CA 93010
PHONE	805-200-5334	805-987-8945
EMAIL	patrick.fleming@oxnard.org	seti@cpm1.com
FAX	N/A	805-987-7906

CITY OF OXNARD

DONOR

Luis A. McArthur, Mayor

Date _____

RDH 8/2/2025
Richard Drake, President Date
Harbour Island Homeowners Assoc.

ATTEST:

 Lourdes A. Lopez,
 City Clerk (only if Mayor signs)

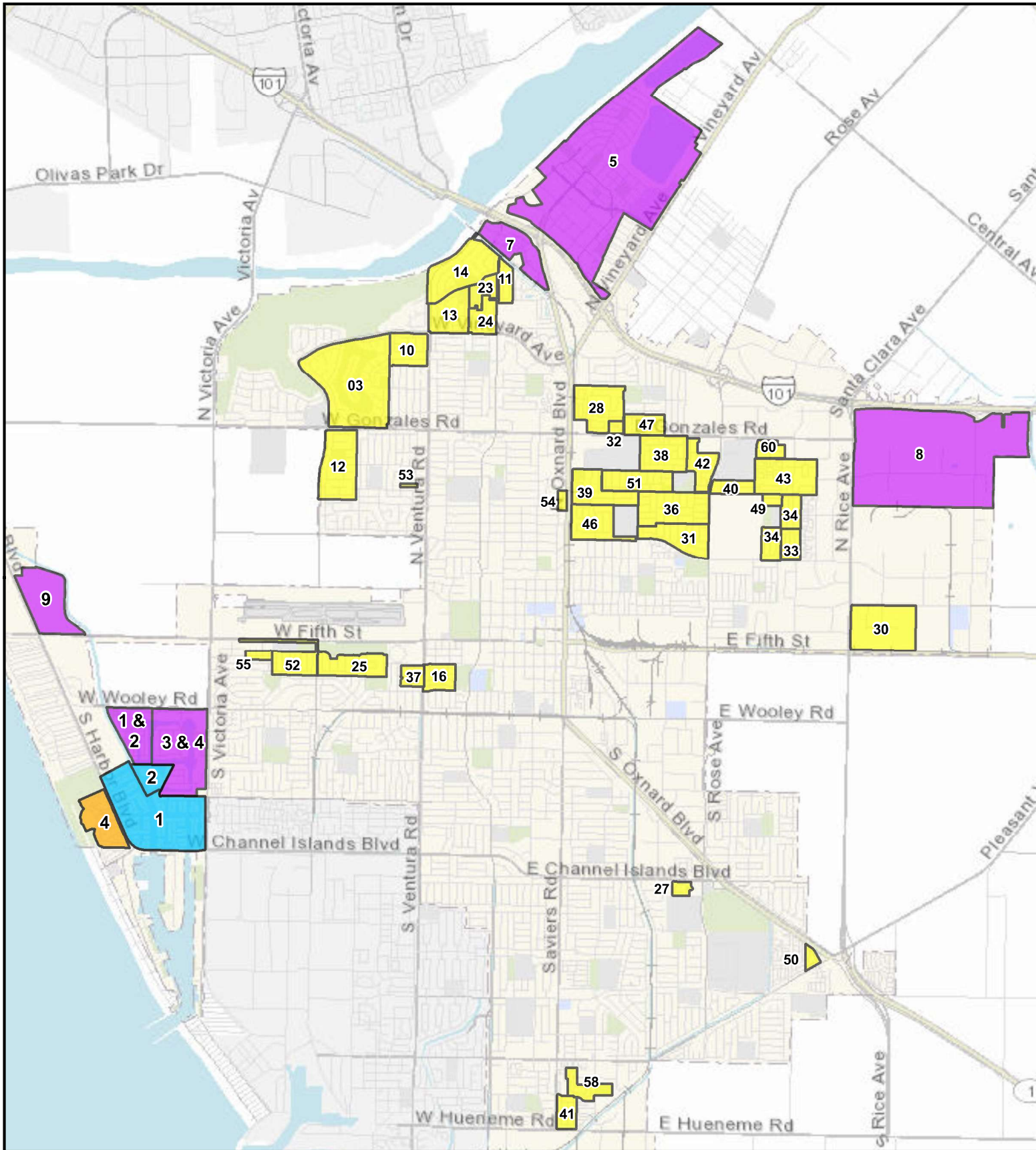
Date _____

APPROVED AS TO FORM:

Stephen Fischer, City
Attorney (always required)

Date _____

CITY OF OXNARD SPECIAL DISTRICTS



- | | |
|---|--|
| Maintenance Assessment District (District No.) | Community Facilities District (District No.) |
| Waterway Assessment District (Zone No.) | Landscape Maintenance District (District No.) |

CITY OF OXNARD – SPECIAL DISTRICTS

LANDSCAPE MAINTENANCE DISTRICT * COMMUNITY FACILITIES DISTRICTS
WATERWAYS ASSESSMENT DISTRICTS * MAINTENANCE ASSESSMENT DISTRICTS

COMMUNITY FACILITIES DISTRICTS	
1 & 2 – Westport at Mandalay Bay	7 – Wagon Wheel
3 & 4 – Seabridge at Mandalay Bay	8 – Sakioka Farms
5 – Riverpark	9 – Northshore at Mandalay Bay

LANDSCAPE MAINTENANCE DISTRICTS	
3 – Riverridge	37 – Pacific Cove
10 – Country Club	38 – Aldea Del Mar
11 – St Tropez	39 – El Sueno Promesa
12 – Standard Pacific	40 – Cantada
13 – Le Village	41 – Pacific Cove
14 – California Cove	42 – Cantabria/Coronado
16 – California Lighthouse	43 – Greenbelt
23 – Greystone	46 – Daily Ranch
24 – Vineyards	47 – Sycamore Place
25 – The Pointe	49 – Cameron Ranch
27 – Rose Island	50 – PV Senior Housing
28 – Harborside	51 – Pfeiler
30 – Haas Automation	52 – Wingfield
31 – Rancho De La Rosa	53 – Huff Court
32 – Oak Park	54 – Meadowcrest
33 – El Paseo	55 – Wingfield West
34 – Sunrise Pt/Sunset Cove	58 – Westwind
36 – Villa Santa Cruz	60 – Artisan

MAINTENANCE ASSESSMENT DISTRICT
4 – Mandalay Beach/Colony

WATERWAYS ASSESSEMENT DISTRICTS	
Zone 1 – Mandalay Bay Zone	2 – Harbour Island

FY 2025-26 Harbour Island Homeowners Association Donation to Waterways Maintenance Assessment District Zone 2 - Harbour Island (Agreement A-8597)

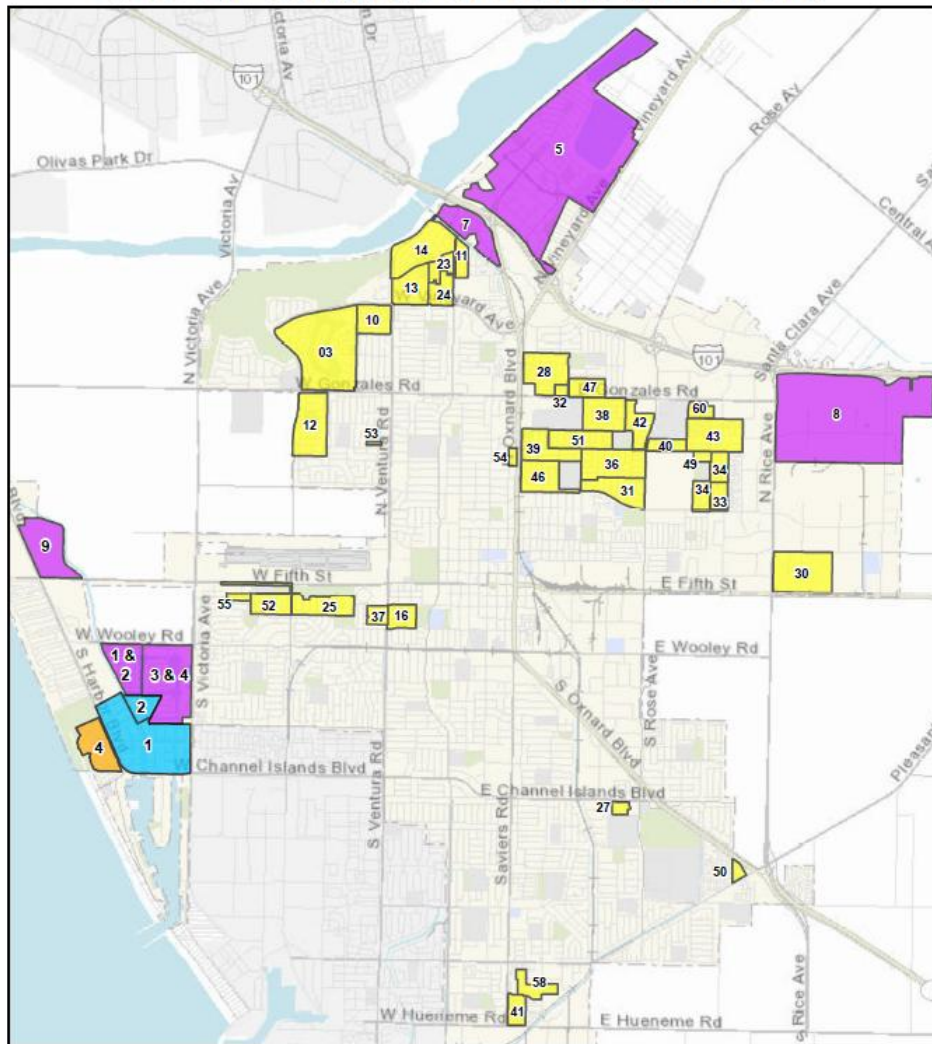
Public Works & Transportation Committee
September 9, 2025

Patrick Fleming
Special Districts Administrative Project Manager

The Public Works and Transportation Committee recommend the City Council, acting as the legislative body of the Waterway Maintenance Assessment District, approve and authorize:

1. Acceptance of a \$17,400 donation from the Harbour Island Homeowners Association (HOA) to support landscape maintenance and on-call services within the Harbour Island linear park; and
2. Approval of Agreement A-8597, entered by and between the City of Oxnard and the Harbour Island Homeowners Association for the donation; and
3. Approval of associated budget appropriations within Waterways Maintenance Assessment District Zone 2 – Harbour Island Fund (120-40203801) to recognize the full amount of the donation revenue and to authorize expenditures up to the full amount of available funding consistent with the specific purposes outlined in the Agreement.

CITY OF OXNARD SPECIAL DISTRICTS



- | | |
|--|---|
| ■ Maintenance Assessment District (District No.) | ■ Community Facilities District (District No.) |
| ■ Waterway Assessment District (Zone No.) | ■ Landscape Maintenance District (District No.) |

More information can be found at:

<https://www.oxnard.gov/public-works/special-districts>



**Harbour Island
(Zone 2)**

**Mandalay Bay
(Zone 1)**

- The Waterways Maintenance Assessment District (WAD) was formed in 1970.
- Harbour Island was annexed into the District in 1987, creating Zone 2.
- Authorized responsibilities include maintaining asphalt, curbs, shrubs, lawns, trees, flowers, irrigation systems, water meters, and water quality monitoring.

- In 1996, Proposition 218 was passed, limiting the District's ability to increase annual assessments without property owner approval.
- Since then, WAD Zone 2 revenues have remained capped at \$47,949, despite increased costs to provide services
 - equivalent to approximately \$98,123 today
- Limited revenues have constrained the District's ability to fund essential repairs and services.

- Special Districts Staff have engaged the Harbour Island HOA regarding the budget shortfalls.
- In FY 2020-21, the HOA donated \$4,853 to the WAD for water quality remediation services.
- In FY 2023-24, the HOA donated \$15,446 to fully fund landscape maintenance services and supplemental work such as irrigation repairs and mulching.

- For FY 2025-26, the HOA has proposed a donation of \$17,400.
 - The Donation Agreement specifies that these funds are to be used exclusively for landscape maintenance and improvements within the Harbour Island linear park.
- Government Code section 37354 allows a private entity to make a donation to a municipality for a specific purpose.

Acceptance of this donation will have no impact on the General Fund.

WAD Zone 2 Revenue:

Account	FY 2025-26 Adopted Budget	FY 2025-26 Revised Budget (if approved)	Adjustment
40203801-47300 (Donations and Contributions)	\$15,452	\$17,400	\$1,948

WAD Zone 2 Expenditures:

Account	FY 2025-26 Adopted Budget	FY 2025-26 Revised Budget (if approved)	Adjustment
40203801-53200 (Professional Services)	\$42,700	\$45,018	\$2,318



QUESTIONS



PUBLIC WORKS AND TRANSPORTATION COMMITTEE AGENDA REPORT

REPORTS AGENDA ITEM NO. D.4

DATE: September 9, 2025

TO: Public Works and Transportation Committee

FROM: Michael Wolfe, Public Works Director, (805) 385-8055, michael.wolfe@oxnard.org

SUBJECT: Purchase Orders with Gibbs International, Inc. and The Charles Machine Works, Inc. for Heavy Equipment for the Public Works Water Division. (10 minutes)

RECOMMENDATION

The Public Works and Transportation Committee recommends that the City Council approve and authorize the Purchasing Agent to execute two purchase orders for the following:

1. Gibbs International Inc. for a not-to-exceed value up to \$300,000.00 for the purchase of a 2026 HV607 SBA International Truck, 10-Ton Dump Truck (dump truck); and
2. The Charles Machine Works, Inc. for a not-to-exceed value up to \$700,000.00 for the purchase of a 2025 Kenworth T480 with a Ditch Witch Hydro Vacuum Truck/Excavator W8 Standard Package (vacuum truck).

Please click the following link to view the required Measure M pre-recorded presentation video:
<https://youtu.be/hx1wGtM7c0M>

BACKGROUND

The Water Division's Distribution Team, which is one of six groups in the Water Division, is responsible for delivering high-quality potable water and overseeing approximately 600 miles of underground transmission and distribution pipelines. The Distribution Team's duties consist of scheduled maintenance and emergency repairs, including:

- Customer turn-ons & shut-offs
- Repairs of water service leaks, main breaks, and other related emergencies
- Hydrant maintenance
- Above and below-ground valve turning/exercising
- Maintaining air-vacs, blow-offs, and other water infrastructure appurtenances

Heavy equipment and trucks are essential to efficiently complete repairs and replace water infrastructure during regular preventative maintenance and during emergency work.

Dump truck - the Water Division currently owns and operates a 2009 International 4300V 2-Axle Dump Truck (equipment no. 09404), which requires replacement as it has accumulated high mileage and has exceeded its life expectancy, resulting in increased maintenance costs and heightened safety risks. Additionally, vehicle

09404 has an inadequate hauling capacity to accommodate the existing trailer and equipment when loaded. Lastly, vehicle 09404 was manufactured to an older emissions standard and is non-compliant with the current California Air Resources Board (CARB) air emissions standards.

Vacuum truck - in 2023, the Water Division decommissioned a 2007 Pacific Tech Vacuum Trailer (equipment no. 07405) fitted with a vacuum and an 800-gallon debris tank because it was heavily corroded with unrepairable rust holes.

The California Air Resources Board (CARB) regulates emissions on these vehicles. On April 28, 2023, CARB adopted and mandated the Advanced Clean Fleet (ACF) regulation. The ACF regulation is the latest development in CARB's decades-long history of setting increasingly stringent emission standards for medium and heavy-duty vehicles. The ACF regulation applies to vehicles with a gross vehicle weight rating greater than 8,500 lbs ("Target Vehicle") and mandates the implementation of zero emission Vehicles (ZEV), which are composed of Electric Vehicles, Battery Electric Vehicle, or Hydrogen Fuel-Cell Electric Vehicle. On December 19, 2023 City Council approved "Option 2" for Advanced Clean Fleets regulation compliance.

Option 2: local government fleets may choose ZEV Milestones Option. Fleets may elect to meet ZEV targets as a percentage of the total fleet, starting with vehicle types that are most suitable for electrification. This option allows the addition of new internal combustion engine vehicles model year 2024 or newer as long as the fleet is meeting the target percentage.

In order to meet the State-required ZEV standards, the Water Division shall replace a previously identified portion of its aging fleet with three electric vehicles, offsetting the purchase of the dump truck. The class 8 vacuum truck is exempt from the State's Advanced Clean Fleet (CARB) program and can be purchased without having to apply for an exemption.

DISCUSSION

The Water Division is requesting approval to purchase:

- 2026 10-wheel, 3-axle dump truck (replacing equipment no. 09404)
- 2025 Kenworth T480 with a Ditch Witch Hydro Vacuum Truck/Excavator W8 Standard Package (replacing equipment no. 07405)

DUMP TRUCK:

The new 10-ton dump truck will help staff address current load limitations (for trailer hauling of equipment) and safely transport heavy equipment, tools, and materials to and from job sites.

Staff identified Sourcewell cooperative agreement # 032824NVS with Gibbs International LLC. (Gibbs) Utilizing a cooperative purchasing method, such as Sourcewell, allows the City to "piggyback" on the agreement and obtain the dump truck at a discounted price. Sourcewell is a cooperative purchasing program that unites the buying power of government, education, and nonprofit organizations. By utilizing hundreds of competitively solicited and awarded contracts, Sourcewell simplifies the public procurement process and ensures the efficient use of taxpayer dollars. Thousands of public entities are enrolled as participating agencies in this program. Furthermore, Gibbs is a leading provider of this equipment and is recognized throughout Southern California for its innovative design and integrated safety features. The 2026 10-ton dump truck from Gibbs International, Inc. is estimated at \$240,155.28.

VACUUM TRUCK:

The hydro vacuum excavator is a single piece of equipment that allows staff to investigate, excavate, and address leaks more efficiently. Additionally, the new equipment will aid staff with pressure washing, potholing, and site cleanup, protecting existing utilities and ensuring compliance with National Pollutant Discharge Elimination requirements. Currently, when addressing a service line leak, staff must bring out an excavator, trailer, and dump truck to expose the pipe and dispose of material, a process that can require multiple 4-operator crews. The hydro vacuum excavator includes connections for pneumatic tools and a means to excavate from outside of the trench, requiring fewer operators to address a leak with less hand-digging and without damaging existing infrastructure, reducing the length of time customers are without service. The Water Division previously rented similar equipment; however equipment was unreliable and had to be regularly returned in exchange for another or wait for repairs if another unit was not available

During the extensive research process for the vacuum excavator, Staff reviewed various equipment from the following manufacturers: Ditch Witch, TruVac Flexx, and Vermeer. Ditch Witch was considered the best fit for the needs of the Water Division. The Ditch Witch is compact, has a lower height, a four-foot longer boom reach, improved navigation for tight areas thus reducing the impact on public vehicles and pedestrians. It features a higher capacity pump and wider hose diameter for excavation efficiency. Additional safety features include a stationary ladder and retractable safety rails, ensuring operator safety and minimizing risk during operations. The truck also offers a centralized tank and tool configuration on the curbside, enhancing storage and workflow.

The City, under the current Purchasing Policy, participates in the cooperative procurement program “Sourcewell.” Under this program, the City is a Sourcewell Member and can benefit from discounts on underground utility and landscape grounds equipment under the Ditch Witch manufacturer contract 110421-CMW. Ditch Witch is a global manufacturer of underground construction equipment that assigns authorized resellers by territory, and The Charles Machine Works, Inc. is its reseller. The 2025 Kenworth T480 with a Ditch Witch Hydro Vacuum Truck/Excavator W8 Standard Package equipped with an 800-gallon tank vacuum trailer is estimated at \$632,995.10.

GENERAL INFO:

Staff recommends a not-to-exceed (NTE) purchase order amount of \$300,000 for the 10-ton dump truck and a NTE of \$700,000 for the vacuum truck, as this will allow for enough purchasing latitude to account for possible price increases due to uncertainties such as potential tariffs and regulatory changes.

The vehicles selected are pre-packaged units as developed and sold by the manufacturer that include items already standardized together. Staff did not add any upfitting or extra items to the orders.

The estimated delivery for the 10-wheel dump truck is five to six months from the time the purchase order is executed. The estimated delivery for the vacuum excavator is two to six months from the time the purchase order is executed.

STRATEGIC PRIORITIES

This agenda item supports the Infrastructure and Natural Resources strategy. The purpose of the Infrastructure and Natural Resources strategy is to preserve and improve our roads, utilities, parks, trees, water supply and natural resources through effective planning, prioritization, and an equitable and efficient use of available funding.

FINANCIAL IMPACT

The total for the Gibbs International Inc. will be a not-to-exceed value up to \$300,000.00 for the purchase of a 2026 HV607 SBA International Truck, 10-Ton Dump Truck (dump truck); and the total for The Charles

Machine Works, Inc., will have a not-to-exceed value up to \$700,000.00 for the purchase of a 2025 Kenworth T480 with a Ditch Witch Hydro Vacuum Truck/Excavator W8 Standard Package (vacuum truck). Funding for these purchases has been programmed in the Fiscal Year 2025-26 Adopted Budget from the Water Operating Fund (601).

Account 6013603-56040			
Vendor Name	Estimated Quote	Not to Exceed Amount	Available Budget
Gibbs International Inc	\$240,155.28	\$300,000.00	\$1,000,000
The Charles Machine Works, Inc	\$632,995.10	\$700,000.00	

The warranty period for this 10-wheeler's Cummins engine is two years/250,000 miles, the Allison transmission is covered for 3 years/unlimited miles, and the 10-yard dump body has a one-year parts and labor warranty. The vacuum unit has a standard warranty period of 1 year/unlimited miles on the chassis, two years/250,000 miles on the Cummins engine (6,250 hours), and five years/100,000 miles on the emissions.

Prepared by: Timothy Beaman, Assistant Public Works Director, Chris Peyton, Water Division Manager

ATTACHMENTS

1. Quote: 10 Wheeler
2. Quote: Vacuum Excavator
3. Sourcewell Cooperative Agreement # 032824-NVS
4. Sourcewell Contract 110421-CMW
5. Presentation

GIBBS INTERNATIONAL INC

Salesperson: John Limoli

Ph: 805-485-0551

Fx: 805-988-1846

GIBBS TRUCK CENTERS 2201 E VENTURA BLVD OXNARD CA 93036 RETAIL ORDER FOR NEW AND USED MOTOR VEHICLES AND ATTACHMENTS				Date: 5/12/2025		Order #271753			
				Name: City Of Oxnard Water Department					
				Email : marc.sanchez@oxnard.org					
				Address: 251 S. Hayes St.					
Seller #		04508		CITY: Oxnard	ST/ZIP CA 93030				
				PHONE: (805) 761-6344	FAX:				
I hereby order from you, subject to all terms, conditions and agreements contained here.									
Year	New/Used	Make	Model	SERIAL #	Body Type	Price			
2026	New	Intl	HV 607	TBD	C/C	\$146,688.75			
2025	New	Enoven	BeauRoc	Elipctical 15 ' Dump Body Hardox 450	Dump	\$72,972.50			
			DBH						
			15-4248-HL						
Pricing For Truck Chassis and Dump Body Valid Thru July 25 2025						Doc Fee	\$85.00		
NJPA/Sourcwell Award # 032824-NVS FOB City Of Oxnard , CA <u>Chassis MSRP Price \$194,539.54</u> Sourcewell Discount - \$47,850.79 <u>Dump Body MSRP Price \$81,223.32</u> Sourcewell Discount - \$ 8,250.82 <u>Total Sourcewell Discount To City of Oxnard:</u> \$56,101.61				1. Cash Price =		\$219,746.25			
				2. Sales Tax		9.250%		\$20,326.53	
						County			
				3. Federal Excise Tax (FET)					
				4. CA Tire Tax (\$1.75 each)		10		\$17.50	
				5. Vehicle Price Including Tax				\$240,090.28	
TRADE-IN				6. Down Payment/Deposit					
YEAR				7. Trade Allow		\$0.00			
MAKE				Total Down/Deposit =		\$0.00			
MODEL				8. Unpaid Balance		\$240,090.28			
SERIAL #				9. Optional Svc Contract					
BODY TYPE				a. (DMV) Est. Cert. of Title		\$65.00 Exempt Plates			
TRADE ALLOW				b. Origination fee					
AMOUNT OWING	\$0.00								
NET TRADE ALLOW									
STOCK #									
This order is subject to the written acceptance of Gibbs Truck Centers to which it is addressed. Salesman: John Limoli jlimoli@gibbstucks.com Date: 5/12/2025 Office: 805-485-0551 Ext. 127 Cell : 805-701-5755				Total Other Charges		\$65.00			
				Unpaid Balance (Amount Financed)		\$240,155.28			
				Finance Charges					
				Total Amount Due		\$240,155.28			
				Total Sale Amount		\$240,155.28			
Note: If vehicle is Used, The Vehicle is sold "AS IS" WITH NO WARRANTY unless otherwise endorsed by Seller. PURCHASER ACKNOWLEDGES RECEIPT OF AN EXACT COPY OF THIS ORDER. Purchaser: _____ Date: 5/12/2025 City Of Oxnard Water Department									
Payment Schedule: Purchase agrees to pay "TOTAL OF PAYMENTS" (item 9 above) in _____ installments of \$ _____ each and _____ installments of \$ _____ each, and _____ installments of \$ _____ each, payable on the same day each successive month commencing * _____ 20 _____, and as follows: _____ *If no date is inserted in blank, the first installment is payable one month from date of agreement. LIABILITY INSURANCE COVERAGE FOR BODILY INJURY AND PROPERTY DAMAGE CAUSED TO OTHERS IS NOT INCLUDED City Of Oxnard Water Department									

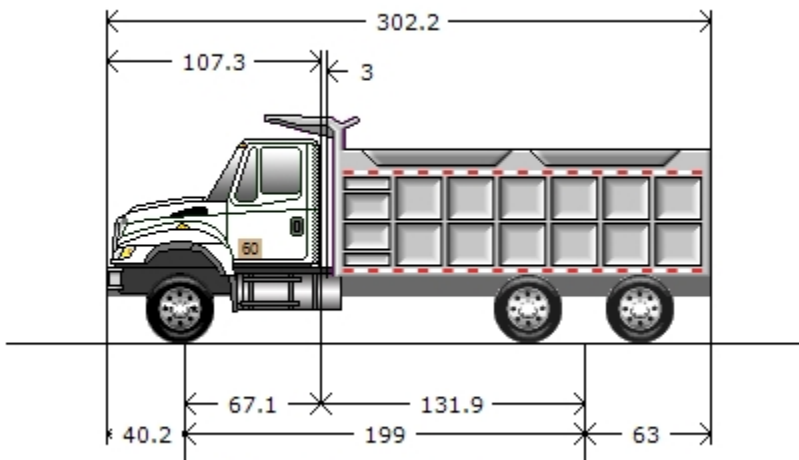
Prepared For:

Gibbs Stock Unit
Gibbs Customer
2201 E Ventura Blvd.
Oxnard, CA 93036-7902
(805)485 - 0551
Reference ID: 271750

Presented By:

GIBBS INTL INC
John Limoli
2201 E. VENTURA BLVD.
OXNARD CA 93031 -
(805)485-0551

Thank you for the opportunity to provide you with the following quotation on a new International truck. I am sure the following detailed specification will meet your operational requirements, and I look forward to serving your business needs.

**City Of Oxnard Water Dept.**

Model Profile
2026 HV607 SBA (HV607)

AXLE CONFIG:	6X4
APPLICATION:	Water Truck
MISSION:	Requested GVWR: 58000. Calc. GVWR: 58000. Calc. GCWR: 80000 Calc. Start / Grade Ability: 21.95% / 2.45% @ 55 MPH Calc. Geared Speed: 67.4 MPH
DIMENSION:	Wheelbase: 199.00, CA: 131.90, Axle to Frame: 63.00
ENGINE, DIESEL:	{Cummins L9 370} EPA 2024, 370HP @ 2100 RPM, 1250 lb-ft Torque @ 1200 RPM, 2100 RPM Governed Speed, 370 Peak HP (Max)
TRANSMISSION, AUTOMATIC:	{Allison 3000 RDS} 6th Generation Controls, Close Ratio, 6-Speed with Double Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, with 80,000-lb GVW and GCW Max, On/Off Highway
CLUTCH:	Omit Item (Clutch & Control)
AXLE, FRONT NON-DRIVING:	{Meritor MFS-18-133A} Wide Track, I-Beam Type, 18,000-lb Capacity
AXLE, REAR, TANDEM:	{Meritor MT-40-14X-4DCR} Single Reduction, 40,000-lb Capacity, .433"(11mm) Wall Housing Thickness, Driver Controlled Locking Differential in Forward-Rear and Rear-Rear Axle, R Wheel Ends Gear Ratio: 5.86
CAB:	Conventional, Day Cab
TIRE, FRONT:	(2) 315/80R22.5 Load Range L HAU 3 WT (CONTINENTAL), 480 rev/mile, 68 MPH, All-Position
TIRE, REAR:	(8) 11R22.5 Load Range G HDR2+ (CONTINENTAL), 491 rev/mile, 75 MPH, Drive
SUSPENSION, REAR, AIR, TANDEM:	{Hendrickson HAS-402-55} 40,000-lb Capacity, 55" Axle Spacing, 9.5" Ride Height, with Shock Absorbers, Mounted Inboard
PAINT:	Cab schematic 100WL Location 1: 9219, Winter White (Std) Chassis schematic N/A

Description

	F/R Wt (lbs)	Tot Wt (lbs)
Base Chassis, Model HV607 SBA with 199.00 Wheelbase, 131.90 CA, and 63.00 Axle to Frame.	6136/3644	9780
TOW HOOK, FRONT (2) Frame Mounted	8/0	8
AXLE CONFIGURATION 6x4	171/96	267

Notes

: Pricing may change if axle configuration is changed.

FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.866" x 3.622" x 0.437" (276.0mm x 92.0mm x 11.1mm); 456.0" (11582mm) Maximum OAL	213/404	617
LICENSE PLATE HOLDER Single Plate, Swing Type, Mounted Below Front Bumper	3/0	3
BUMPER, FRONT Swept Back, Steel, Heavy Duty	0/0	0
FRAME DIMPLE Dimple on Left and Right Top Flange of Frame Rail to Reference Rear Axle Centerline	0/0	0
WHEELBASE RANGE 169" (430cm) Through and Including 219" (555cm)	172/-172	0
AXLE, FRONT NON-DRIVING {Meritor MFS-18-133A} Wide Track, I-Beam Type, 18,000-lb Capacity	186/0	186
SUSPENSION, FRONT, SPRING Multileaf, Shackle Type, 18,000-lb Capacity, Less Shock Absorbers	189/0	189
BRAKE SYSTEM, AIR Dual System for Straight Truck Applications	0/0	0

Includes

: BRAKE LINES Color and Size Coded Nylon

: DRAIN VALVE Twist-Type

: GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster

: PARKING BRAKE CONTROL Yellow Knob, Located on Instrument Panel

: PARKING BRAKE VALVE For Truck

: QUICK RELEASE VALVE On Rear Axle for Spring Brake Release: 1 for 4x2, 2 for 6x4

: SPRING BRAKE MODULATOR VALVE R-7 for 4x2, SR-7 with relay valve for 6x4/8x6

DRAIN VALVE {Berg} with Pull Chain, for Air Tank	0/0	0
AIR BRAKE ABS {Bendix AntiLock Brake System} 4-Channel (4 Sensor/4 Modulator) Full Vehicle Wheel Control System	0/0	0
AIR DRYER {Bendix AD-9} with Heater	19/9	28
BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Sqli Spring Brake	0/14	14
BRAKE CHAMBERS, FRONT AXLE {Bendix} 24 Sqli	4/0	4
BRAKE, PARKING Manual Push-Pull Pneumatic Parking Brake	1/0	1
SLACK ADJUSTERS, FRONT {Haldex} Automatic	14/0	14
SLACK ADJUSTERS, REAR {Haldex} Automatic	0/32	32
AIR COMPRESSOR {Cummins} 18.7 CFM	0/0	0
AIR DRYER LOCATION Mounted Inside Left Rail, Back of Cab	14/7	21
DUST SHIELDS, FRONT BRAKE for Air Cam Brakes	10/0	10
DUST SHIELDS, REAR BRAKE for Air Cam Brakes	0/20	20
AIR TANK LOCATION (2) : One Mounted Under Each Rail, Front of Rear Suspension, Parallel to Rail	-28/47	19
BRAKES, REAR {Meritor 16.5X7 Q-PLUS CAST} Air S-Cam Type, Cast Spider, Fabricated Shoe, Double Anchor Pin, Size 16.5" X 7", 23,000-lb Capacity per Axle	0/104	104

Description	F/R Wt (lbs)	Tot Wt (lbs)
BRAKES, FRONT {Meritor 16.5X6 Q-PLUS CAST} Air S-Cam Type, Cast Spider, Fabricated Shoe, Double Anchor Pin, Size 16.5" X 6", 23,000-lb Capacity	33/0	33
PARK BRAKE CHAMBERS, ADDITIONAL (2) Spring Brake Type	0/60	60
STEERING COLUMN Tilting	14/1	15
STEERING WHEEL 4-Spoke; 18" Dia., Black	0/0	0
STEERING GEAR (2) {Sheppard M100/M80} Dual Power	102/-6	96
DRIVELINE SYSTEM {Dana Spicer} SPL170, for 4x2/6x2	7/31	38
AFTERTREATMENT COVER Steel, Black	11/2	13
EXHAUST SYSTEM Horizontal Aftertreatment System, Frame Mounted Right Side Under Cab, for Single Vertical Tail Pipe, Frame Mounted Right Side Back of Cab	140/37	177
ENGINE EXHAUST BRAKE for Cummins ISB/B6.7/ISL/L9 Engine with Variable Vane Turbo Charger	0/0	0
TAIL PIPE (1) Turnback Type	7/3	10
EXHAUST HEIGHT 10'	18/10	28
MUFFLER/TAIL PIPE GUARD (1) Aluminum	10/6	16
ELECTRICAL SYSTEM 12-Volt, Standard Equipment	0/0	0
Includes		
: DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab		
: HAZARD SWITCH Push On/Push Off, Located on Instrument Panel to Right of Steering Wheel		
: HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever		
: PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light		
: STARTER SWITCH Electric, Key Operated		
: STOP, TURN, TAIL & B/U LIGHTS Dual, Rear, Combination with Reflector		
: TURN SIGNAL SWITCH Self-Cancelling for Trucks, Manual Cancelling for Tractors, with Lane Change Feature		
: WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever		
: WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted		
: WIRING, CHASSIS Color Coded and Continuously Numbered		
BEACON LIGHT WIRING for (2) Customer Installed Beacons, Includes 2-Way Switch	0/0	0
ALTERNATOR {Leece-Neville AVI160P2013} Brush Type, 12 Volt, 160 Amp Capacity, Pad Mount, with Remote Sense	0/0	0
BODY BUILDER WIRING Back of Day Cab at Left Frame or Under Sleeper, Extended or Crew Cab at Left Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/ Backup/Accessory Power/Ground and Sealed Connector for Stop/Turn	2/0	2
BATTERY SYSTEM {Fleetrite} Maintenance-Free, (3) 12-Volt 1980CCA Total, Top Threaded Stud	30/23	53
SPEAKERS (2) 6.5" Dual Cone Mounted in Doors	0/0	0
RADIO, STEERING WHEEL CONTROLS Mounted in Steering Wheel, Radio Function Control Switch, Includes Volume Up/Down, Mute, Forward/Back and Bluetooth Answer/Disconnect	9/1	10
ANTENNA Shark Fin, Roof Mounted	1/0	1
RADIO AM/FM/WB/Clock/USB Input/Auxiliary Input	3/0	3
BACK-UP ALARM Electric, 102 dBA	0/3	3
HORN, ELECTRIC Disc Style	0/0	0

Description	F/R Wt (lbs)	Tot Wt (lbs)
BEACON MOUNTING BRACKET Cab Provision Includes Roof Brackets for Customer Lights and Bracket Mounting	0/0	0
CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade	0/0	0
HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn On if Windshield Wipers are Turned On	0/0	0
INDICATOR, LOW COOLANT LEVEL with Audible Alarm	0/0	0
HEADLIGHT WARNING BUZZER Sounds When Head Light Switch is on and Ignition Switch is in "Off" Position	0/0	0
STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt, with Soft-Start	10/0	10
CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses	0/0	0
BATTERY BOX Steel, with Aluminum Cover, 14" Wide, 2-3 Battery Capacity, Mounted Left Side Under Cab	-12/6	-6
TURN SIGNALS, FRONT Includes LED Side Turn Lights Mounted on Fender	0/0	0
HORN, AIR Single Trumpet, Black, with Lanyard Pull Cord	3/0	3
FOG LIGHTS (2) Clear Lens, LED, Rectangular, with White Light Source	3/0	3
HEADLIGHTS Halogen	0/0	0
LOGOS EXTERIOR Model Badges	0/0	0
LOGOS EXTERIOR, ENGINE Badges	0/0	0
GRILLE Stationary, Chrome	0/0	0
BUG SCREEN Mounted Behind Grille	5/0	5
FRONT END Tilting, Fiberglass, with Three Piece Construction, for WorkStar/HV	0/0	0
PAINT SCHEMATIC, PT-1 Single Color, Design 100	0/0	0
<u>Includes</u>		
: PAINT SCHEMATIC ID LETTERS "WL"		
PAINT TYPE Base Coat/Clear Coat, 1-2 Tone	0/0	0
COMMUNICATIONS MODULE Telematics Device with Over the Air Programming; Includes Five Year Data Plan and International 360	1/0	1
VEHICLE REGISTRATION IDENTITY ID for the State of California	0/0	0
CLUTCH Omit Item (Clutch & Control)	0/0	0
ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection	0/0	0
ENGINE, DIESEL {Cummins L9 370} EPA 2024, 370HP @ 2100 RPM, 1250 lb-ft Torque @ 1200 RPM, 2100 RPM Governed Speed, 370 Peak HP (Max)	582/-18	564
FAN DRIVE {Horton Drivemaster} Two-Speed Type, Direct Drive, with Residual Torque Device for Disengaged Fan Speed	0/0	0
<u>Includes</u>		
: FAN Nylon		
RADIATOR Aluminum, Cross Flow, Front to Back System, 1228 SqIn, with 1167 SqIn Charge Air Cooler, Includes In-Tank Oil Cooler	22/-4	18
<u>Includes</u>		
: DEAERATION SYSTEM with Surge Tank		
: HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band Type; Thermoplastic Coolant Hose Clamps		
: RADIATOR HOSES Premium, Rubber		

Description	F/R Wt (lbs)	Tot Wt (lbs)
AIR CLEANER Dual Element	4/0	4
EMISSION, CALENDAR YEAR {Cummins L9} EPA, OBD and GHG Certified for Calendar Year 2025	0/0	0
THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel	0/0	0
EPA IDLE COMPLIANCE Low NOx Idle Engine, Complies with EPA Clean Air Regulations; Includes "Certified Clean Idle" Decal on Door	0/0	0
CARB IDLE COMPLIANCE Low NOx Idle Engine, Complies with California Clean Air Regulations; Includes "Certified Clean Idle" Decal located on Driver Door	0/0	0
CARB EMISSION WARR COMPLIANCE for Cummins L9 Engines	0/0	0
ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls and Starter Lockout, with Ignition Switch Control, for Cummins B6.7 and L9 Engines	0/0	0
TRANSMISSION, AUTOMATIC {Allison 3000 RDS} 6th Generation Controls, Close Ratio, 6-Speed with Double Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, with 80,000-lb GVW and GCW Max, On/Off Highway	226/57	283
TRANSMISSION SHIFT CONTROL Column Mounted Stalk Shifter, Not for Use with Allison 1000 & 2000 Series Transmission	1/0	1
TRANSMISSION OIL Synthetic; 29 thru 42 Pints	0/0	0
ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS) and Regional Haul Series (RHS), General Purpose Trucks, Construction, Package Number 223	0/0	0
NEUTRAL AT STOP Allison Transmission Shifts to Neutral When Service Brake is Depressed and Vehicle is at Stop; Remains in Neutral Until Service Brake is Released	0/0	0
SHIFT CONTROL PARAMETERS {Allison} 3000 or 4000 Series Transmissions, Performance Programming	0/0	0
PTO CONTROL, DASH MOUNTED For Customer Provided PTO; Includes Switch, Electric/Air Solenoid, Piping and Wiring	3/0	3
PTO LOCATION Customer Intends to Install PTO at Left Side of Transmission	0/0	0
AXLE, REAR, TANDEM {Meritor MT-40-14X-4DCR} Single Reduction, 40,000-lb Capacity, .433"(11mm) Wall Housing Thickness, Driver Controlled Locking Differential in Forward-Rear and Rear-Rear Axle, R Wheel Ends . Gear Ratio: 5.86	0/2127	2127
SUSPENSION, REAR, AIR, TANDEM {Hendrickson HAS-402-55} 40,000-lb Capacity, 55" Axle Spacing, 9.5" Ride Height, with Shock Absorbers, Mounted Inboard	0/725	725
FUEL/WATER SEPARATOR {Racor 400 Series} with Primer Pump, Includes Water-in-Fuel Sensor, Mounted on Engine	0/0	0
FUEL TANK Top Draw, Non-Polished Aluminum, 24" Dia, 50 US Gal (189L), Mounted Left Side, Under Cab	31/3	34
DEF TANK 5 US Gal (19L) Capacity, Frame Mounted Outside Left Rail, Under Cab	1/16	17
CAB Conventional, Day Cab	0/0	0
AIR CONDITIONER with Integral Heater and Defroster	0/0	0
GAUGE CLUSTER Base Level; English with English Electronic Speedometer	0/0	0
Includes		
: GAUGE CLUSTER DISPLAY: Base Level (3" Monochromatic Display), Premium Level (5" LCD Color Display); Odometer, Voltmeter, Diagnostic Messages, Gear Indicator, Trip Odometer, Total Engine Hours, Trip Hours, MPG, Distance to Empty/Refill for		

Description

: GAUGE CLUSTER Speedometer, Tachometer, Engine Coolant Temp, Fuel Gauge, DEF Gauge, Oil Pressure Gauge, Primary and Secondary Air Pressure
: WARNING SYSTEM Low Fuel, Low DEF, Low Oil Pressure, High Engine Coolant Temp, Low Battery Voltage (Visual and Audible), Low Air Pressure (Primary and Secondary)

IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster

SEAT, DRIVER {National 2000 195} Air Suspension, High Back with Integral Headrest, Vinyl, Isolator, 8" Adjuster, 1 Chamber Lumbar, 2 Position Front Cushion Adjust, 6-23 Degree Angle Back Adjust

SEAT, PASSENGER {National} Non Suspension, High Back, Fixed Back, Integral Headrest, Vinyl

MIRRORS (2) Aero Pedestal, Power Adjust, Heated, Black Heads and Arms, 6.5" x 14" Flat Glass, Includes 6.5" x 6" Convex Mirrors, for 102" Load Width

Notes

: Mirror Dimensions are Rounded to the Nearest 0.5"

CAB INTERIOR TRIM Classic, for Day Cab

Includes

: CONSOLE, OVERHEAD Molded Plastic with Dual Storage Pockets, Retainer Nets and CB Radio Pocket; Located Above Driver and Passenger

: DOME LIGHT, CAB Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Overhead Console, Center Mounted

: SUN VISOR (2) Padded Vinyl; 2 Moveable (Front-to-Side) Primary Visors, Driver Side with Toll Ticket Strap

MONITOR, TIRE PRESSURE Omit

WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature

FRESH AIR FILTER Attached to Air Intake Cover on Cowl Tray in Front of Windshield Under Hood

CAB REAR SUSPENSION Air Bag Type

INSTRUMENT PANEL Flat Panel

ACCESS, CAB Steel, Driver & Passenger Sides, Two Steps per Door, for use with Day Cab and Extended Cab

WHEELS, FRONT {Accuride 41730} DISC; 22.5x9.00 Rims, Standard Polish Aluminum, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs

WHEELS, REAR {Accuride 43644} DUAL DISC; 22.5x8.25 Rims, Standard Polish Aluminum, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs

WHEEL, REAR, IDENTITY Replace Inner Aluminum Wheels on Rear Duals with the Equivalent Steel Wheels - For Use with Hub Piloted Wheels Only

(8) TIRE, REAR 11R22.5 Load Range G HDR2+ (CONTINENTAL), 491 rev/mile, 75 MPH, Drive

(2) TIRE, FRONT 315/80R22.5 Load Range L HAU 3 WT (CONTINENTAL), 480 rev/mile, 68 MPH, All-Position

Services Section:

WARRANTY Standard for HV507/HV509, HV50B, HV607/HV609 Models, Effective with Vehicles Built July 1, 2017 or Later, CTS-2025A

CARB COMPANION PLAN for CARB B6.7 and L9 Engines

Total Component Weight:

F/R Wt **Tot Wt**
(lbs) (lbs)

0/0 0

0/0 0

16/7 23

0/0 0

0/0 0

-10/-1 -11

0/0 0

0/0 0

0/0 0

0/0 0

0/0 0

-28/0 -28

0/-272 -272

0/118 118

0/40 40

62/0 62

8419/7180 **15599**
(lbs) (lbs)

(lbs) (lbs)

<u>Description</u>	<u>F/R Wt</u>	<u>Tot Wt</u>
	(lbs)	(lbs)
Raw Materials Surcharge	0/0	0
Total Goods Purchased:	0/0	0

The weight calculations included in this proposal are an estimate of future vehicle weight. The actual weight as manufactured may be different from the estimated weight. Navistar, Inc. shall not be liable for any consequences resulting from any differences between the estimated weight of a vehicle and the actual weight.

<u>Description</u>	(US DOLLAR)	<u>Price</u>
Net Sales Price:		\$146,688.75

Please feel free to contact me regarding these specifications should your interests or needs change. I am confident you will be pleased with the quality and service of an International vehicle.

Approved by Seller:

Accepted by Purchaser:

Official Title and Date

Firm or Business Name

Authorized Signature

Authorized Signature and Date

This proposal is not binding upon the seller without
Seller's Authorized Signature

Official Title and Date

The TOPS FET calculation is an estimate for reference purposes only. The seller or retailer is responsible for calculating and reporting/paying appropriate FET to the IRS.

The limited warranties applicable to the vehicles described herein are Navistar, Inc.'s standard printed warranties which are incorporated herein by reference and to which you have been provided a copy and hereby agree to their terms and conditions.

Quotation

The Charles Machine Works, Inc.
 Ditch Witch Division
 1959 West Fir Avenue
 P.O.Box 66
 Perry, OK 73077
 Phone No : 1-800-654-6481
 Fax No : 580 336 0617
 Email : global@ditchwitch.com

Sold-to Party Address

CITY OF OXNARD
 MEMBER# 25781
 300 W. 3RD ST.
 OXNARD CA 93030-5738

Information

Quotation No. 20219920
 Document Date 05/08/2025
 Customer No. 514169
 Dealership DITCH WITCH WEST (FOWLER, CA)
 FOWLER
 PO _____
 Created by Jon McLarty

Global Account Price Quote
Quote Valid until : 07/25/2025

Dig Tubes Composite

TAXES ARE AN ESTIMATE AT TIME OF QUOTATION-ACTUAL TAX WILL BE CALCULATED AT TIME OF INVOICING. IF TAXES ARE QUOTED AND THIS IS A TAX EXEMPT TRANSACTION, PLEASE PROVIDE TAX EXEMPT CERTIFICATE OR LEASING DETAILS WITH YOUR PURCHASE ORDER.

FOR MODEL SPECIFICATIONS OR OTHER INFORMATION, VISIT OUR WEBSITE AT WWW.DITCHWITCH.COM

Page 1 of 2

Quotation Details

Qty	Material Description	Unit Price	Discount	Amount
1EA	<i>SOURCEWELL CONTRACT</i> <i>110421-CMW</i> <i>*****</i> IN8 - IN8 With the following configuration: Truck Vac Package W8 Standard Package Debris Tank 8 Yards Water Tank 800 Gallons BoomPowered Sin Hoses Wireless System Yes Truck Air System None Winter Kit No Blower 3800 Dig Tubes Composite Truck Rims Black Options Cone Holder Options LED Lights	367,110.00	5%	348,754.50

Confidentiality Notice:

This quote may contain confidential information. The information is intended only for the individual or entity named. If you are not the intended recipient, please immediately notify us at 1-800-654-6481 to arrange for return of the document.

Quotation

The Charles Machine Works, Inc.
 Ditch Witch Division
 1959 West Fir Avenue
 P.O.Box 66
 Perry, OK 73077
 Phone No : 1-800-654-6481
 Fax No : 580 336 0617

Sold-to Party Address

CITY OF OXNARD
 MEMBER# 25781
 300 W. 3RD ST.
 OXNARD CA 93030-5738

Information

Quotation No. 20219920
 Document Date 05/08/2025
 Customer No. 514169
 Dealership DITCH WITCH WEST (FOWLER, CA)
 FOWLER
 PO _____
 Created by Jon McLarty

Global Account Price Quote Quote Valid until : 07/25/2025

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FOR MODEL SPECIFICATIONS OR OTHER INFORMATION, VISIT OUR WEBSITE AT WWW.DITCHWITCH.COM

Page 2 of 2

Quotation Details

Qty	Material Description	Unit Price	Discount	Amount
	Options Backup Camera			
	Options Auxiliary Hydraulic			
	Options Hydro Lance			
1EA	W8 8 YD TANK - DEBRIS & WATER TANK	59,259.00	5%	56,296.05
1EA	500-10257 - KENWORTH, 66K, 192CT	173,684.21	5%	165,000.00
Corporate Account Price				570,050.5
Total Freight				9,350.00
Total Tax				53,594.55
Total Amount				\$ 632,995.10

Confidentiality Notice:

This quote may contain confidential information. The information is intended only for the individual or entity named. If you are not the intended recipient, please immediately notify us at 1-800-654-6481 to arrange for return of the document.



W8 HYDROVAC

WARLOCK SERIES



FEATURES & BENEFITS

VACUUM SYSTEM 3,800 CFM vac system makes sure you have the flow and suction needed to remove massive amounts of material.

REAL-TIME WEIGHT Onboard scale allows you to easily monitor your total truck weight in real-time. The machine will even turn off suction when weight has been hit, ensuring you don't get too heavy.

EASIER OFFLOADING Tilttable debris tank and fully opening door combine for an easy offloading process that requires less manual labor.

FRESH WATER TANK CAPACITY 800-gallon water tank ensures you have the water needed for long days of excavation.

DEBRIS TANK CAPACITY 8 cubic yard debris tank packs the capacity needed to spend more time working and less time offloading.

WATER SYSTEM Single-reel 18.5 GPM water system will keep you working at a productive rate.

W8 HYDRO VACUUM EXCAVATOR

DIMENSIONS

	U.S.
Length	31 ft 2 in
Width	8 ft 6 in
Height	10 ft 9 in
Dry weight, estimated	36,400 lbs
GVWR	66,000 lbs

POWER

Engine	Paccar® PX-9
Fuel	Diesel
Manufacturer's gross power rating	370 hp
Transmission	Allison® 3000RDS 6 Speed Automatic
Emissions compliance	EPA Tier 4

VACUUM SYSTEM

Air flow	3,800 cfm
Vacuum, max	27 in Hg
Vacuum tank capacity	8 yd³
Tank outlet valve size	8 in
Filter type	Cyclonic
Suction hose	8 in
Tank tilt angle	36°

WATER SYSTEM

Water pump flow, max	18.5 gpm
Water pump pressure, max	2,800 psi
Freshwater, dual tanks	400 gal each

ADDITIONAL FEATURES

Boom reach	26 ft	
Boom rotation	340°	
Boiler	Dynablast 420K BTU	
Heated cabinets		
Optional Van Air System™	200 cfm @ 150 psi (high)	100 cfm @ 100 psi (low)

Specifications are general and subject to change without notice. If exact measurements are required, equipment should be weighed and measured. Due to selected options, delivered equipment may not necessarily match that shown. *Stability claim based on lab test of competitive equipment.





MHC KENWORTH - OKLAHOMA CITY (O999)
7200 W. I-40 SERVICE RD
OKLAHOMA CITY, Oklahoma 73128

CHARLES MACHINE WORKS INC
PO BOX 66
PERRY, Oklahoma 73077
United States of America

Seth Locke
Cell Phone:
Office Phone: 918-446-5521
Email: seth.locke@mhc.com

Chris Thompson

Vehicle Summary

Unit		Chassis	
Model:	T480 Series Conventional	Fr Axle Load (lbs):	20000
Type:	FULL TRUCK	Rr Axle Load (lbs):	46000
Description 1:	T480 W8 Part	G.C.W. (lbs):	66000
Description 2:			
Application		Road Conditions:	
Intended Serv.:	Construction: Vehicles used in the	Class A (Highway)	85
	cons		
Commodity:	Excavated earth	Class B (Hwy/Mtn)	10
		Class C (Off-Hwy)	5
Body		Class D (Off-Road)	0
Type:	Vacuum tank	Maximum Grade:	6
Length (ft):	20	Wheelbase (in):	261
Height (ft):	13	Overhang (in):	75
Max Laden Weight (lbs):	4000	Fr Axle to BOC (in):	69.5
Trailer		Cab to Axle (in):	191.5
No. of Trailer Axles:	0	Cab to EOF (in):	266.5
Type:		Overall Comb. Length (in):	376
Length (ft):	0	Special Req.	
Height (ft):	0	U.S. Domestic registry, 50-state.	
Kingpin Inset (in):	0		
Corner Radius (in):	0		
Restrictions			
Length (ft):	75		
Width (in):	102		
Height (ft):	13.5		

Approved by: _____

Date: _____

Note: All sales are F.O.B. designated plant of manufacture.

FRAME RAKE

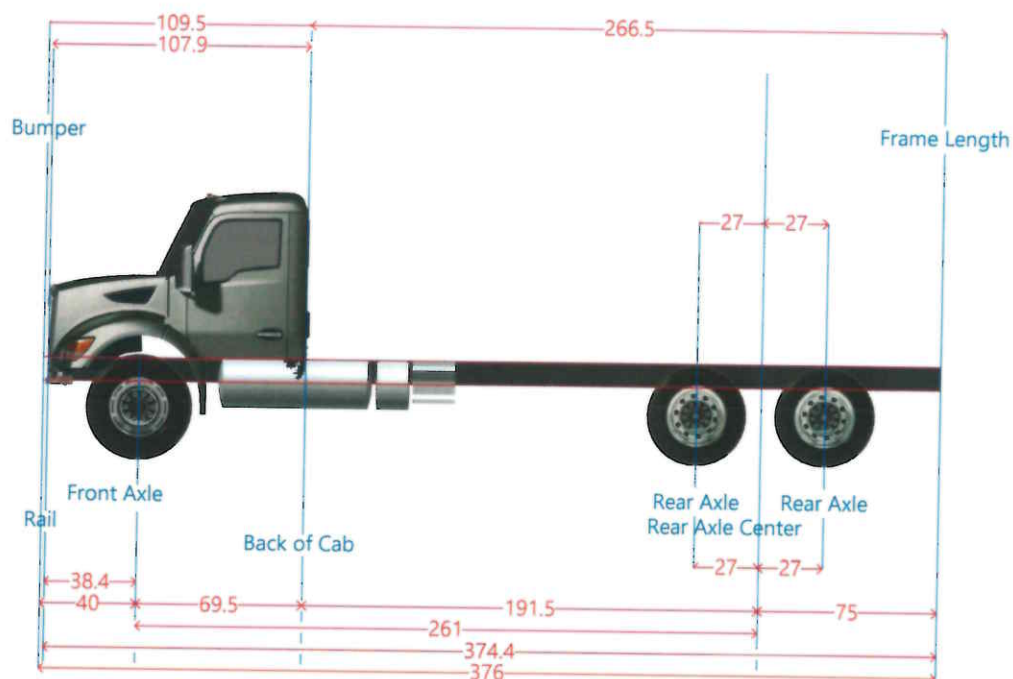


The listed heights should be considered approximations due to variations which may occur in component manufacturing processes, spring set, and the way in which the vehicle is loaded.

Component	Sales Code	Description	Laden	Unladen
Frame	6056600	Frame Rails: 10-3/4 x 3-1/2 x 3/8in. Steel 337in	10.8	10.8
Front Spring	2865025	Front Springs: Taperleaf 20K w/shock absorbers	7.5	9.8
Front Axle Drop 3.5"	2536004	PACCAR FX-20 Front Axle rated at 20K 4" drop	-0.5	-0.5
Height Adj.	2900062	60 mm front suspension spacer block.	2.4	2.4
Front Tires	4077537	Front tires: Bridgestone M870 315/80R22.5 20PR	19.9	20.8
Front Frame Height			40.0	43.2
Frame	6056600	Frame Rails: 10-3/4 x 3-1/2 x 3/8in. Steel 337in.	10.8	10.8
Subframe	0000000	No sub frame	0	0
Suspension	3742020	Rear suspension: Tandem Hendrickson Primaax EX462	10.0	10.0
Rear Tires	4277487	Rear tires: Bridgestone M799 11R22.5 16PR.	19.5	20.7
Rear Frame Height			40.3	41.5
Frame Rake			0.3	-1.7
Frame Rake Slope (%)			0.1	-0.7

These characteristics are considered to be out of standard range: Laden rake more than 1% of wheelbase from level (positive or negative).

HORIZONTAL DIMENSIONS



Dimension	Measurement	Start	End
Axle Spacing	54	234	288
Bumper to Back of Cab	109.5	-40	69.5
Bumper to Front Axle	40.0	-40	0
Bumper to Front Frame	1.6	-40	-38.4
Cab to End of Frame	266.5	69.5	336
Cab to Rear Axle	191.5	69.5	261
Effective Bumper to Back Of Cab	109.5	-40	69.5
Frame Length	374.4	-38.4	336
Front Axle to Back of Cab	69.5	0	69.5
Front of Frame to Axle	38.4	-38.4	0
Load Space	266.5	69.5	336
Overall Length	376.0	-40	336
Overhang	75.0	261	336
Pusher Offset #1	27.0	234	261
Pusher Offset #2	27.0	234	261
Pusher Offset #3	27.0	234	261
Tag Offset	27.0	261	288
Wheelbase	261	0	261

VEHICLE WEIGHT RATING

FRONT AXLE COMPONENTS

Component	Sales Code	Description	Ratings
Axle	2536004	PACCAR FX-20 Front Axle rated at 20K 4" drop	20,000
Springs	2865025	Front Springs: Taperleaf 20K w/shock absorbers	20,000
Power Steering	2895305	Dual power steering gears: 18/20K	20,000
Hubs, Drums	2702020	Front Hubs Iron hub pilot 20,000 lbs. 10 Bolt	20,000
Brakes	2621078	Front Brakes: 22K Bendix ES S-cam 16.5x6 in.	22,000
Tires	4077537	Front tires: Bridgestone M870 315/80R22.5 20PR	20,000
Wheels	5045280	Front Wheel: Alcoa 89U64 22.5X9 AL	20,000
Requested Front (Lbs):			20,000
Minimum:			8,000
Maximum:			20,000

The front axle weight rating cannot exceed 20000

REAR AXLE COMPONENTS

Component	Sales Code	Description	Ratings
Axle	3142161	Dual Meritor RT46-160P rear axle rated at 46K.	46,000
Hubs, Drums	3403460	Dual Rear Hubs: Iron hub pilot 52K; 11.25" bolt	52,000
Service Brakes	3334004	Dual Rear Brakes 16-1/2x7 in. to 46K;	46,000
Spring Brakes	3485207	Spring Brake: 3030 long stroke dual 30 square	52,000
Suspension	3742020	Rear suspension. Tandem Hendrickson Primaax EX462	46,000
Tires	4277487	Rear tires: Bridgestone M799 11R22.5 16PR.	48,040
Wheels	5243550	Rear Wheel: Alcoa ULA18 22.5x8.25 MagnaForce	59,200
Requested Rear (Lbs):			46,000
Minimum:			16,000
Maximum:			46,000

The rear axle weight rating cannot exceed 46000

GROSS COMBINATION WEIGHT RATING

GCWR (lbs)	30,000
Min	10,000
Max	999,000

The Gross Combination Weight Rating cannot exceed 999000

WEIGHT DISTRIBUTION

Model: T480

Actual performance of a specific unit can be affected by your operating conditions. The performance calculations should only be used as a guideline.



Recommended payload center of gravity to achieve specified ground loads:
measured from centerline of drive axles: 57 in. from the centerline of the drive
axle(s).

Weight (lbs)	Front	Rear	Total
Chassis	8468	7674	16142
Tools/Driver	286	89	375
Fuel & DEF	622	236	858
Max Payload	10625	38000	48625
Auxiliary Payload	0	0	0
Total	20000	46000	66000
Specify Ground Load	20000	46000	

Auxiliary Payload

Item	Location from FA CL	Weight	Point Description
Load Point #1	0	0	
Load Point #2	0	0	
Load Point #3	0	0	
Component(s)	-	0	Composite Totals

Fifth wheel slide length is 0 inches
Selected rearmost setting is 0 inches
Wheelbase measurement: 261 inches
Overhang measurement: 75 inches

FRAME LAYOUT



Note: Optional content may be displayed. The order has not yet received an engineering review. The actual arrangement of components may not be exactly as pictured. Additional changes may be made to the layout by Kenworth. Add a Custom Frame Layout code if an exact layout is required.

Selected Options (Wheelbase: 261)

Sales Code	Description	Length	Side
7140100	100 US gallon D-Shape rectangular aluminum under	64.6	Left
7722173	Large DEF tank, 15 gallons.	14.7	Left
6400645	Battery box cantilever aluminum BOC with full	18	Left

SPEED & GRADE PERFORMANCE REPORTS

Cruise Report (Engine Fan Off)

Configuration:	T480 Series Conventional / FULL TRUCK GCW 66000
Quote/DTPO/CO:	QUO-956457-G0G6J6
Engine:	0130210 PX-9 370 370@1600 1250@1200, 2021
Transmission:	2011613 Transmission, Allison 3000RDS 6-speed, With PTO
Rear Axle:	3142161 Dual Mentor RT46-160P rear axle rated at 46K
Rear Tire:	4277487 Rear tires: Bridgestone M799 11R22.5 16PR | 495
Operating Conditions:	0% Rolling Resistance

Startability

Transmission Ratio	Maximum Starting Grade
3.49	15.27
1.86	8.14

Engine RPM:	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100
Gross Torque:	670	790	875	970	1110	1250	1250	1250	1250	1215	1143	1080	1023	971	926
Net Torque:	585	701	784	875	1008	1140	1142	1143	1145	1113	1047	989	937	890	848
Net HP:	78	107	134	167	211	260	283	305	327	339	339	339	339	339	339

Gear Ratios: TRN (1): 3.49 RAX (1): 5.38

Speed (MPH):	4.5	5.2	5.8	6.5	7.1	7.7	8.4	9.0	9.7	10.3	11.0	11.6	12.3	12.9	13.6
Grade (%):	9.0	11.0	12.4	14.0	16.3	18.6	18.6	18.6	18.6	18.1	16.9	15.9	15.0	14.2	13.5

Gear Ratios: TRN (2): 1.86 RAX (1): 5.38

Speed (MPH):	8.5	9.7	10.9	12.1	13.3	14.5	15.7	17.0	18.2	19.4	20.6	21.8	23.0	24.2	25.4
Grade (%):	4.4	5.4	6.2	7.0	8.2	9.4	9.4	9.4	9.4	9.1	8.5	8.0	7.5	7.1	6.7

Gear Ratios: TRN (3): 1.41 RAX (1): 5.38

Speed (MPH):	11.2	12.8	14.4	16.0	17.6	19.2	20.8	22.4	24.0	25.6	27.2	28.8	30.4	32.0	33.6
Grade (%):	3.1	3.9	4.5	5.1	6.0	6.9	6.9	6.9	6.9	6.7	6.3	5.9	5.5	5.2	4.9

Gear Ratios: TRN (4): 1 RAX (1): 5.38

Speed (MPH):	15.8	18.0	20.3	22.5	24.8	27.0	29.3	31.5	33.8	36.0	38.3	40.6	42.8	45.1	47.3
Grade (%):	2.0	2.5	2.9	3.4	4.0	4.6	4.6	4.6	4.7	4.5	4.2	3.9	3.7	3.4	3.2

Gear Ratios: TRN (5): 0.75 RAX (1): 5.38

Speed (MPH):	21.0	24.0	27.0	30.0	33.0	36.0	39.1	42.1	45.1	48.1	51.1	54.1	57.1	60.1	63.1
Grade (%):	1.3	1.7	2.0	2.3	2.8	3.3	3.3	3.3	3.3	3.2	2.9	2.7	2.5	2.4	2.2

Gear Ratios: TRN (6): 0.65 RAX (1): 5.38

Speed (MPH):	24.3	27.7	31.2	34.7	38.1	41.6	45.1	48.5	52.0	55.5	58.9	62.4	65.9	69.3	72.8
Grade (%):	1.0	1.3	1.6	1.9	2.3	2.7	2.7	2.7	2.7	2.6	2.4	2.2	2.1	1.9	1.8

Engine RPM:	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100
Gross Torque:	670	790	875	970	1110	1250	1250	1250	1250	1215	1143	1080	1023	971	926
Net Torque:	585	701	784	875	1008	1140	1142	1143	1145	1113	1047	989	937	890	848
Net HP:	78	107	134	167	211	260	283	305	327	339	339	339	339	339	339

**Solicitation Number: RFP #032824****CONTRACT**

This Contract is between Sourcewell, 202 12th Street Northeast, P.O. Box 219, Staples, MN 56479 (Sourcewell) and Navistar, Inc., 2701 Navistar Drive, Lisle, IL 60532 (Supplier).

Sourcewell is a State of Minnesota local government unit and service cooperative created under the laws of the State of Minnesota (Minnesota Statutes Section 123A.21) that offers cooperative procurement solutions to government entities. Participation is open to eligible federal, state/province, and municipal governmental entities, higher education, K-12 education, nonprofit, tribal government, and other public entities located in the United States and Canada. Sourcewell issued a public solicitation for Class 4-8 Chassis and Cabs with Related Equipment, Accessories, and Services from which Supplier was awarded a contract.

Supplier desires to contract with Sourcewell to provide equipment, products, or services to Sourcewell and the entities that access Sourcewell's cooperative purchasing contracts (Participating Entities).

1. TERM OF CONTRACT

A. **EFFECTIVE DATE.** This Contract is effective upon the date of the final signature below.

EXPIRATION DATE AND EXTENSION. This Contract expires July 9, 2028, unless it is cancelled sooner pursuant to Article 22. This Contract allows up to three additional one-year extensions upon the request of Sourcewell and written agreement by Supplier. Sourcewell retains the right to consider additional extensions beyond seven years as required under exceptional circumstances.

B. **SURVIVAL OF TERMS.** Notwithstanding any expiration or termination of this Contract, all payment obligations incurred prior to expiration or termination will survive, as will the following: Articles 11 through 14 survive the expiration or cancellation of this Contract. All other rights will cease upon expiration or termination of this Contract.

2. EQUIPMENT, PRODUCTS, OR SERVICES

A. EQUIPMENT, PRODUCTS, OR SERVICES. Supplier will provide the Equipment, Products, or Services as stated in its Proposal submitted under the Solicitation Number listed above. Supplier's Equipment, Products, or Services Proposal (Proposal) is attached and incorporated into this Contract.

All Equipment and Products provided under this Contract must be new and the current model. Supplier may offer close-out or refurbished Equipment or Products if they are clearly indicated in Supplier's product and pricing list. Unless agreed to by the Participating Entities in advance, Equipment or Products must be delivered as operational to the Participating Entity's site.

This Contract offers an indefinite quantity of sales, and while substantial volume is anticipated, sales and sales volume are not guaranteed.

B. WARRANTY. Supplier warrants that all Equipment, Products, and Services furnished are free from liens and encumbrances, and are free from defects in design, materials, and workmanship. In addition, Supplier warrants the Equipment, Products, and Services are suitable for and will perform in accordance with the ordinary use for which they are intended. Supplier's dealers and distributors must agree to assist the Participating Entity in reaching a resolution in any dispute over warranty terms with the manufacturer. Any manufacturer's warranty that extends beyond the expiration of the Supplier's warranty will be passed on to the Participating Entity.

C. DEALERS, DISTRIBUTORS, AND/OR RESELLERS. Upon Contract execution and throughout the Contract term, Supplier must provide to Sourcewell a current means to validate or authenticate Supplier's authorized dealers, distributors, or resellers relative to the Equipment, Products, and Services offered under this Contract, which will be incorporated into this Contract by reference. It is the Supplier's responsibility to ensure Sourcewell receives the most current information.

3. PRICING

All Equipment, Products, or Services under this Contract will be priced at or below the price stated in Supplier's Proposal.

When providing pricing quotes to Participating Entities, all pricing quoted must reflect a Participating Entity's total cost of acquisition. This means that the quoted cost is for delivered Equipment, Products, and Services that are operational for their intended purpose, and includes all costs to the Participating Entity's requested delivery location.

Regardless of the payment method chosen by the Participating Entity, the total cost associated with any purchase option of the Equipment, Products, or Services must always be disclosed in the pricing quote to the applicable Participating Entity at the time of purchase.

A. **SHIPPING AND SHIPPING COSTS.** All delivered Equipment and Products must be properly packaged. Damaged Equipment and Products may be rejected. If the damage is not readily apparent at the time of delivery, Supplier must permit the Equipment and Products to be returned within a reasonable time at no cost to Sourcewell or its Participating Entities. Participating Entities reserve the right to inspect the Equipment and Products at a reasonable time after delivery where circumstances or conditions prevent effective inspection of the Equipment and Products at the time of delivery. In the event of the delivery of nonconforming Equipment and Products, the Participating Entity will notify the Supplier as soon as possible and the Supplier will replace nonconforming Equipment and Products with conforming Equipment and Products that are acceptable to the Participating Entity.

Supplier must arrange for and pay for the return shipment on Equipment and Products that arrive in a defective or inoperable condition.

Sourcewell may declare the Supplier in breach of this Contract if the Supplier intentionally delivers substandard or inferior Equipment or Products.

B. **SALES TAX.** Each Participating Entity is responsible for supplying the Supplier with valid tax-exemption certification(s). When ordering, a Participating Entity must indicate if it is a tax-exempt entity.

C. **HOT LIST PRICING.** At any time during this Contract, Supplier may offer a specific selection of Equipment, Products, or Services at discounts greater than those listed in the Contract. When Supplier determines it will offer Hot List Pricing, it must be submitted electronically to Sourcewell in a line-item format. Equipment, Products, or Services may be added or removed from the Hot List at any time through a Sourcewell Price and Product Change Form as defined in Article 4 below.

Hot List program and pricing may also be used to discount and liquidate close-out and discontinued Equipment and Products as long as those close-out and discontinued items are clearly identified as such. Current ordering process and administrative fees apply. Hot List Pricing must be published and made available to all Participating Entities.

4. PRODUCT AND PRICING CHANGE REQUESTS

Supplier may request Equipment, Product, or Service changes, additions, or deletions at any time. All requests must be made in writing by submitting a signed Sourcewell Price and Product Change Request Form to the assigned Sourcewell Supplier Development Administrator. This approved form is available from the assigned Sourcewell Supplier Development Administrator. At a minimum, the request must:

- Identify the applicable Sourcewell contract number;

- Clearly specify the requested change;
- Provide sufficient detail to justify the requested change;
- Individually list all Equipment, Products, or Services affected by the requested change, along with the requested change (e.g., addition, deletion, price change); and
- Include a complete restatement of pricing documentation in Microsoft Excel with the effective date of the modified pricing, or product addition or deletion. The new pricing restatement must include all Equipment, Products, and Services offered, even for those items where pricing remains unchanged.

A fully executed Sourcewell Price and Product Change Request Form will become an amendment to this Contract and will be incorporated by reference.

5. PARTICIPATION, CONTRACT ACCESS, AND PARTICIPATING ENTITY REQUIREMENTS

A. PARTICIPATION. Sourcewell's cooperative contracts are available and open to public and nonprofit entities across the United States and Canada; such as federal, state/province, municipal, K-12 and higher education, tribal government, and other public entities.

The benefits of this Contract should be available to all Participating Entities that can legally access the Equipment, Products, or Services under this Contract. A Participating Entity's authority to access this Contract is determined through its cooperative purchasing, interlocal, or joint powers laws. Any entity accessing benefits of this Contract will be considered a Service Member of Sourcewell during such time of access. Supplier understands that a Participating Entity's use of this Contract is at the Participating Entity's sole convenience and Participating Entities reserve the right to obtain like Equipment, Products, or Services from any other source.

Supplier is responsible for familiarizing its sales and service forces with Sourcewell contract use eligibility requirements and documentation and will encourage potential participating entities to join Sourcewell. Sourcewell reserves the right to add and remove Participating Entities to its roster during the term of this Contract.

B. PUBLIC FACILITIES. Supplier's employees may be required to perform work at government-owned facilities, including schools. Supplier's employees and agents must conduct themselves in a professional manner while on the premises, and in accordance with Participating Entity policies and procedures, and all applicable laws.

6. PARTICIPATING ENTITY USE AND PURCHASING

A. ORDERS AND PAYMENT. To access the contracted Equipment, Products, or Services under this Contract, a Participating Entity must clearly indicate to Supplier that it intends to access this Contract; however, order flow and procedure will be developed jointly between Sourcewell and Supplier. Typically, a Participating Entity will issue an order directly to Supplier or its authorized

subsidiary, distributor, dealer, or reseller. If a Participating Entity issues a purchase order, it may use its own forms, but the purchase order should clearly note the applicable Sourcewell contract number. All Participating Entity orders under this Contract must be issued prior to expiration or cancellation of this Contract; however, Supplier performance, Participating Entity payment obligations, and any applicable warranty periods or other Supplier or Participating Entity obligations may extend beyond the term of this Contract.

Supplier's acceptable forms of payment are included in its attached Proposal. Participating Entities will be solely responsible for payment and Sourcewell will have no liability for any unpaid invoice of any Participating Entity.

B. **ADDITIONAL TERMS AND CONDITIONS/PARTICIPATING ADDENDUM.** Additional terms and conditions to a purchase order, or other required transaction documentation, may be negotiated between a Participating Entity and Supplier, such as job or industry-specific requirements, legal requirements (e.g., affirmative action or immigration status requirements), or specific local policy requirements. Some Participating Entities may require the use of a Participating Addendum, the terms of which will be negotiated directly between the Participating Entity and the Supplier or its authorized dealers, distributors, or resellers, as applicable. Any negotiated additional terms and conditions must never be less favorable to the Participating Entity than what is contained in this Contract.

C. **SPECIALIZED SERVICE REQUIREMENTS.** In the event that the Participating Entity requires service or specialized performance requirements not addressed in this Contract (such as e-commerce specifications, specialized delivery requirements, or other specifications and requirements), the Participating Entity and the Supplier may enter into a separate, standalone agreement, apart from this Contract. Sourcewell, including its agents and employees, will not be made a party to a claim for breach of such agreement.

D. **TERMINATION OF ORDERS.** Participating Entities may terminate an order, in whole or in part, immediately upon notice to Supplier in the event of any of the following events:

1. The Participating Entity fails to receive funding or appropriation from its governing body at levels sufficient to pay for the equipment, products, or services to be purchased; or
2. Federal, state, or provincial laws or regulations prohibit the purchase or change the Participating Entity's requirements.

E. **GOVERNING LAW AND VENUE.** The governing law and venue for any action related to a Participating Entity's order will be determined by the Participating Entity making the purchase.

7. CUSTOMER SERVICE

A. PRIMARY ACCOUNT REPRESENTATIVE. Supplier will assign an Account Representative to Sourcewell for this Contract and must provide prompt notice to Sourcewell if that person is changed. The Account Representative will be responsible for:

- Maintenance and management of this Contract;
- Timely response to all Sourcewell and Participating Entity inquiries; and
- Business reviews to Sourcewell and Participating Entities, if applicable.

B. BUSINESS REVIEWS. Supplier must perform a minimum of one business review with Sourcewell per contract year. The business review will cover sales to Participating Entities, pricing and contract terms, administrative fees, sales data reports, performance issues, supply issues, customer issues, and any other necessary information.

8. REPORT ON CONTRACT SALES ACTIVITY AND ADMINISTRATIVE FEE PAYMENT

A. CONTRACT SALES ACTIVITY REPORT. Each calendar quarter, Supplier must provide a contract sales activity report (Report) to the Sourcewell Supplier Development Administrator assigned to this Contract. Reports are due no later than 45 days after the end of each calendar quarter. A Report must be provided regardless of the number or amount of sales during that quarter (i.e., if there are no sales, Supplier must submit a report indicating no sales were made).

The Report must contain the following fields:

- Participating Entity Name (e.g., City of Staples Highway Department);
- Participating Entity Physical Street Address;
- Participating Entity City;
- Participating Entity State/Province;
- Participating Entity Zip/Postal Code;
- Participating Entity Contact Name;
- Participating Entity Contact Email Address;
- Participating Entity Contact Telephone Number;
- Sourcewell Assigned Entity/Participating Entity Number;
- Item Purchased Description;
- Item Purchased Price;
- Sourcewell Administrative Fee Applied; and
- Date Purchase was invoiced/sale was recognized as revenue by Supplier.

B. ADMINISTRATIVE FEE. In consideration for the support and services provided by Sourcewell, the Supplier will pay an administrative fee to Sourcewell on all Equipment, Products, and Services provided to Participating Entities. The Administrative Fee must be included in, and not added to, the pricing. Supplier may not charge Participating Entities more than the contracted

price to offset the Administrative Fee.

The Supplier will submit payment to Sourcewell for the percentage of administrative fee stated in the Proposal multiplied by the total sales of all Equipment, Products, and Services purchased by Participating Entities under this Contract during each calendar quarter. Payments should note the Supplier's name and Sourcewell-assigned contract number in the memo; and must be mailed to the address above "Attn: Accounts Receivable" or remitted electronically to Sourcewell's banking institution per Sourcewell's Finance department instructions. Payments must be received no later than 45 calendar days after the end of each calendar quarter.

Supplier agrees to cooperate with Sourcewell in auditing transactions under this Contract to ensure that the administrative fee is paid on all items purchased under this Contract.

In the event the Supplier is delinquent in any undisputed administrative fees, Sourcewell reserves the right to cancel this Contract and reject any proposal submitted by the Supplier in any subsequent solicitation. In the event this Contract is cancelled by either party prior to the Contract's expiration date, the administrative fee payment will be due no more than 30 days from the cancellation date.

9. AUTHORIZED REPRESENTATIVE

Sourcewell's Authorized Representative is its Chief Procurement Officer.

Supplier's Authorized Representative is the person named in the Supplier's Proposal. If Supplier's Authorized Representative changes at any time during this Contract, Supplier must promptly notify Sourcewell in writing.

10. AUDIT, ASSIGNMENT, AMENDMENTS, WAIVER, AND CONTRACT COMPLETE

A. **AUDIT.** Pursuant to Minnesota Statutes Section 16C.05, subdivision 5, the books, records, documents, and accounting procedures and practices relevant to this Contract are subject to examination by Sourcewell or the Minnesota State Auditor for a minimum of six years from the end of this Contract. This clause extends to Participating Entities as it relates to business conducted by that Participating Entity under this Contract.

B. **ASSIGNMENT.** Neither party may assign or otherwise transfer its rights or obligations under this Contract without the prior written consent of the other party and a fully executed assignment agreement. Such consent will not be unreasonably withheld. Any prohibited assignment will be invalid.

C. **AMENDMENTS.** Any amendment to this Contract must be in writing and will not be effective until it has been duly executed by the parties.

D. **WAIVER.** Failure by either party to take action or assert any right under this Contract will not be deemed a waiver of such right in the event of the continuation or repetition of the circumstances giving rise to such right. Any such waiver must be in writing and signed by the parties.

E. **CONTRACT COMPLETE.** This Contract represents the complete agreement between the parties. No other understanding regarding this Contract, whether written or oral, may be used to bind either party. For any conflict between the attached Proposal and the terms set out in Articles 1-22 of this Contract, the terms of Articles 1-22 will govern.

F. **RELATIONSHIP OF THE PARTIES.** The relationship of the parties is one of independent contractors, each free to exercise judgment and discretion with regard to the conduct of their respective businesses. This Contract does not create a partnership, joint venture, or any other relationship such as master-servant, or principal-agent.

11. INDEMNITY AND HOLD HARMLESS

Supplier must indemnify, defend, save, and hold Sourcewell and its Participating Entities, including their agents and employees, harmless from any claims or causes of action, including attorneys' fees incurred by Sourcewell or its Participating Entities, arising out of any act or omission in the performance of this Contract by the Supplier or its agents or employees; this indemnification includes injury or death to person(s) or property alleged to have been caused by some defect in the Equipment, Products, or Services under this Contract to the extent the Equipment, Product, or Service has been used according to its specifications. Sourcewell's responsibility will be governed by the State of Minnesota's Tort Liability Act (Minnesota Statutes Chapter 466) and other applicable law.

12. GOVERNMENT DATA PRACTICES

Supplier and Sourcewell must comply with the Minnesota Government Data Practices Act, Minnesota Statutes Chapter 13, as it applies to all data provided by or provided to Sourcewell under this Contract and as it applies to all data created, collected, received, maintained, or disseminated by the Supplier under this Contract.

13. INTELLECTUAL PROPERTY, PUBLICITY, MARKETING, AND ENDORSEMENT

A. INTELLECTUAL PROPERTY

1. *Grant of License.* During the term of this Contract:

- a. Sourcewell grants to Supplier a royalty-free, worldwide, non-exclusive right and license to use the trademark(s) provided to Supplier by Sourcewell in advertising and promotional materials for the purpose of marketing Sourcewell's relationship with Supplier.

- b. Supplier grants to Sourcewell a royalty-free, worldwide, non-exclusive right and license to use Supplier's trademarks in advertising and promotional materials for the purpose of marketing Supplier's relationship with Sourcewell.
- 2. *Limited Right of Sublicense.* The right and license granted herein includes a limited right of each party to grant sublicenses to their respective subsidiaries, distributors, dealers, resellers, marketing representatives, and agents (collectively "Permitted Sublicensees") in advertising and promotional materials for the purpose of marketing the Parties' relationship to Participating Entities. Any sublicense granted will be subject to the terms and conditions of this Article. Each party will be responsible for any breach of this Article by any of their respective sublicensees.
- 3. *Use; Quality Control.*
 - a. Neither party may alter the other party's trademarks from the form provided and must comply with removal requests as to specific uses of its trademarks or logos.
 - b. Each party agrees to use, and to cause its Permitted Sublicensees to use, the other party's trademarks only in good faith and in a dignified manner consistent with such party's use of the trademarks. Upon written notice to the breaching party, the breaching party has 30 days of the date of the written notice to cure the breach or the license will be terminated.
- 4. *Termination.* Upon the termination of this Contract for any reason, each party, including Permitted Sublicensees, will have 30 days to remove all Trademarks from signage, websites, and the like bearing the other party's name or logo (excepting Sourcewell's pre-printed catalog of suppliers which may be used until the next printing). Supplier must return all marketing and promotional materials, including signage, provided by Sourcewell, or dispose of it according to Sourcewell's written directions.

B. **PUBLICITY.** Any publicity regarding the subject matter of this Contract must not be released without prior written approval from the Authorized Representatives. Publicity includes notices, informational pamphlets, press releases, research, reports, signs, and similar public notices prepared by or for the Supplier individually or jointly with others, or any subcontractors, with respect to the program, publications, or services provided resulting from this Contract.

C. **MARKETING.** Any direct advertising, marketing, or offers with Participating Entities must be approved by Sourcewell. Send all approval requests to the Sourcewell Supplier Development Administrator assigned to this Contract.

D. **ENDORSEMENT.** The Supplier must not claim that Sourcewell endorses its Equipment, Products, or Services.

14. GOVERNING LAW, JURISDICTION, AND VENUE

The substantive and procedural laws of the State of Minnesota will govern this Contract. Venue for all legal proceedings arising out of this Contract, or its breach, must be in the appropriate state court in Todd County, Minnesota or federal court in Fergus Falls, Minnesota.

15. FORCE MAJEURE

Neither party to this Contract will be held responsible for delay or default caused by acts of God or other conditions that are beyond that party's reasonable control. A party defaulting under this provision must provide the other party prompt written notice of the default.

16. SEVERABILITY

If any provision of this Contract is found by a court of competent jurisdiction to be illegal, unenforceable, or void then both parties will be relieved from all obligations arising from that provision. If the remainder of this Contract is capable of being performed, it will not be affected by such determination or finding and must be fully performed.

17. PERFORMANCE, DEFAULT, AND REMEDIES

A. **PERFORMANCE.** During the term of this Contract, the parties will monitor performance and address unresolved contract issues as follows:

1. *Notification.* The parties must promptly notify each other of any known dispute and work in good faith to resolve such dispute within a reasonable period of time. If necessary, Sourcewell and the Supplier will jointly develop a short briefing document that describes the issue(s), relevant impact, and positions of both parties.
2. *Escalation.* If parties are unable to resolve the issue in a timely manner, as specified above, either Sourcewell or Supplier may escalate the resolution of the issue to a higher level of management. The Supplier will have 30 calendar days to cure an outstanding issue.
3. *Performance while Dispute is Pending.* Notwithstanding the existence of a dispute, the Supplier must continue without delay to carry out all of its responsibilities under the Contract that are not affected by the dispute. If the Supplier fails to continue without delay to perform its responsibilities under the Contract, in the accomplishment of all undisputed work, the Supplier will bear any additional costs incurred by Sourcewell and/or its Participating Entities as a result of such failure to proceed.

B. **DEFAULT AND REMEDIES.** Either of the following constitutes cause to declare this Contract, or any Participating Entity order under this Contract, in default:

1. Nonperformance of contractual requirements, or
2. A material breach of any term or condition of this Contract.

The party claiming default must provide written notice of the default, with 30 calendar days to cure the default. Time allowed for cure will not diminish or eliminate any liability for liquidated or other damages. If the default remains after the opportunity for cure, the non-defaulting party may:

- Exercise any remedy provided by law or equity, or
- Terminate the Contract or any portion thereof, including any orders issued against the Contract.

18. INSURANCE

A. REQUIREMENTS. At its own expense, Supplier must maintain insurance policy(ies) in effect at all times during the performance of this Contract with insurance company(ies) licensed or authorized to do business in the State of Minnesota having an "AM BEST" rating of A- or better, with coverage and limits of insurance not less than the following:

1. *Workers' Compensation and Employer's Liability.*

Workers' Compensation: As required by any applicable law or regulation.

Employer's Liability Insurance: must be provided in amounts not less than listed below:

Minimum limits:

\$500,000 each accident for bodily injury by accident

\$500,000 policy limit for bodily injury by disease

\$500,000 each employee for bodily injury by disease

2. *Commercial General Liability Insurance.* Supplier will maintain insurance covering its operations, with coverage on an occurrence basis, and must be subject to terms no less broad than the Insurance Services Office ("ISO") Commercial General Liability Form CG0001 (2001 or newer edition), or equivalent. At a minimum, coverage must include liability arising from premises, operations, bodily injury and property damage, independent contractors, products-completed operations including construction defect, contractual liability, blanket contractual liability, and personal injury and advertising injury. All required limits, terms and conditions of coverage must be maintained during the term of this Contract.

Minimum Limits:

\$1,000,000 each occurrence Bodily Injury and Property Damage

\$1,000,000 Personal and Advertising Injury

\$2,000,000 aggregate for products liability-completed operations

\$2,000,000 general aggregate

3. *Commercial Automobile Liability Insurance.* During the term of this Contract, Supplier will maintain insurance covering all owned, hired, and non-owned automobiles in limits of liability not less than indicated below. The coverage must be subject to terms

no less broad than ISO Business Auto Coverage Form CA 0001 (2010 edition or newer), or equivalent.

Minimum Limits:

\$1,000,000 each accident, combined single limit

4. *Umbrella Insurance*. During the term of this Contract, Supplier will maintain umbrella coverage over Employer's Liability, Commercial General Liability, and Commercial Automobile.

Minimum Limits:

\$2,000,000

5. *Professional/Technical, Errors and Omissions, and/or Miscellaneous Professional Liability*. During the term of this Contract, Supplier will maintain coverage for all claims the Supplier may become legally obligated to pay resulting from any actual or alleged negligent act, error, or omission related to Supplier's professional services required under this Contract.

Minimum Limits:

\$2,000,000 per claim or event

\$2,000,000 – annual aggregate

6. *Network Security and Privacy Liability Insurance*. During the term of this Contract, Supplier will maintain coverage for network security and privacy liability. The coverage may be endorsed on another form of liability coverage or written on a standalone policy. The insurance must cover claims which may arise from failure of Supplier's security resulting in, but not limited to, computer attacks, unauthorized access, disclosure of not public data – including but not limited to, confidential or private information, transmission of a computer virus, or denial of service.

Minimum limits:

\$2,000,000 per occurrence

\$2,000,000 annual aggregate

Failure of Supplier to maintain the required insurance will constitute a material breach entitling Sourcewell to immediately terminate this Contract for default.

B. CERTIFICATES OF INSURANCE. Prior to commencing under this Contract, Supplier must furnish to Sourcewell a certificate of insurance, as evidence of the insurance required under this Contract. Prior to expiration of the policy(ies), renewal certificates must be mailed to Sourcewell, 202 12th Street Northeast, P.O. Box 219, Staples, MN 56479 or sent to the Sourcewell Supplier Development Administrator assigned to this Contract. The certificates must be signed by a person authorized by the insurer(s) to bind coverage on their behalf.

Failure to request certificates of insurance by Sourcewell, or failure of Supplier to provide certificates of insurance, in no way limits or relieves Supplier of its duties and responsibilities in this Contract.

C. **ADDITIONAL INSURED ENDORSEMENT AND PRIMARY AND NON-CONTRIBUTORY INSURANCE CLAUSE.** Supplier agrees to list Sourcewell and its Participating Entities, including their officers, agents, and employees, as an additional insured under the Supplier's commercial general liability insurance policy with respect to liability arising out of activities, "operations," or "work" performed by or on behalf of Supplier, and products and completed operations of Supplier. The policy provision(s) or endorsement(s) must further provide that coverage is primary and not excess over or contributory with any other valid, applicable, and collectible insurance or self-insurance in force for the additional insureds.

D. **WAIVER OF SUBROGATION.** Supplier waives and must require (by endorsement or otherwise) all its insurers to waive subrogation rights against Sourcewell and other additional insureds for losses paid under the insurance policies required by this Contract or other insurance applicable to the Supplier or its subcontractors. The waiver must apply to all deductibles and/or self-insured retentions applicable to the required or any other insurance maintained by the Supplier or its subcontractors. Where permitted by law, Supplier must require similar written express waivers of subrogation and insurance clauses from each of its subcontractors.

E. **UMBRELLA/EXCESS LIABILITY/SELF-INSURED RETENTION.** The limits required by this Contract can be met by either providing a primary policy or in combination with umbrella/excess liability policy(ies), or self-insured retention.

19. COMPLIANCE

A. **LAWS AND REGULATIONS.** All Equipment, Products, or Services provided under this Contract must comply fully with applicable federal laws and regulations, and with the laws in the states and provinces in which the Equipment, Products, or Services are sold.

B. **LICENSES.** Supplier must maintain a valid and current status on all required federal, state/provincial, and local licenses, bonds, and permits required for the operation of the business that the Supplier conducts with Sourcewell and Participating Entities.

20. BANKRUPTCY, DEBARMENT, OR SUSPENSION CERTIFICATION

Supplier certifies and warrants that it is not in bankruptcy or that it has previously disclosed in writing certain information to Sourcewell related to bankruptcy actions. If at any time during this Contract Supplier declares bankruptcy, Supplier must immediately notify Sourcewell in writing.

Supplier certifies and warrants that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from programs operated by the State of Minnesota; the United States federal government or the Canadian government, as applicable; or any Participating Entity. Supplier certifies and warrants that neither it nor its principals have been convicted of a criminal offense related to the subject matter of this Contract. Supplier further warrants that it will provide immediate written notice to Sourcwell if this certification changes at any time.

21. PROVISIONS FOR NON-UNITED STATES FEDERAL ENTITY PROCUREMENTS UNDER UNITED STATES FEDERAL AWARDS OR OTHER AWARDS

Participating Entities that use United States federal grant or FEMA funds to purchase goods or services from this Contract may be subject to additional requirements including the procurement standards of the Uniform Administrative Requirements, Cost Principles and Audit Requirements for Federal Awards, 2 C.F.R. § 200. Participating Entities may have additional requirements based on specific funding source terms or conditions. Within this Article, all references to “federal” should be interpreted to mean the United States federal government. The following list only applies when a Participating Entity accesses Supplier’s Equipment, Products, or Services with United States federal funds.

A. **EQUAL EMPLOYMENT OPPORTUNITY.** Except as otherwise provided under 41 C.F.R. § 60, all contracts that meet the definition of “federally assisted construction contract” in 41 C.F.R. § 60-1.3 must include the equal opportunity clause provided under 41 C.F.R. §60-1.4(b), in accordance with Executive Order 11246, “Equal Employment Opportunity” (30 FR 12319, 12935, 3 C.F.R. §, 1964-1965 Comp., p. 339), as amended by Executive Order 11375, “Amending Executive Order 11246 Relating to Equal Employment Opportunity,” and implementing regulations at 41 C.F.R. § 60, “Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor.” The equal opportunity clause is incorporated herein by reference.

B. **DAVIS-BACON ACT, AS AMENDED (40 U.S.C. § 3141-3148).** When required by federal program legislation, all prime construction contracts in excess of \$2,000 awarded by non-federal entities must include a provision for compliance with the Davis-Bacon Act (40 U.S.C. § 3141-3144, and 3146-3148) as supplemented by Department of Labor regulations (29 C.F.R. § 5, “Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction”). In accordance with the statute, contractors must be required to pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor. In addition, contractors must be required to pay wages not less than once a week. The non-federal entity must place a copy of the current prevailing wage determination issued by the Department of Labor in each solicitation. The decision to award a contract or subcontract must be conditioned upon the acceptance of the wage determination. The non-federal entity must report all suspected or reported violations to the federal awarding agency. The contracts must also include a provision for compliance with

the Copeland “Anti-Kickback” Act (40 U.S.C. § 3145), as supplemented by Department of Labor regulations (29 C.F.R. § 3, “Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States”). The Act provides that each contractor or subrecipient must be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled. The non-federal entity must report all suspected or reported violations to the federal awarding agency. Supplier must be in compliance with all applicable Davis-Bacon Act provisions.

C. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT (40 U.S.C. § 3701-3708). Where applicable, all contracts awarded by the non-federal entity in excess of \$100,000 that involve the employment of mechanics or laborers must include a provision for compliance with 40 U.S.C. §§ 3702 and 3704, as supplemented by Department of Labor regulations (29 C.F.R. § 5). Under 40 U.S.C. § 3702 of the Act, each contractor must be required to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. The requirements of 40 U.S.C. § 3704 are applicable to construction work and provide that no laborer or mechanic must be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence. This provision is hereby incorporated by reference into this Contract. Supplier certifies that during the term of an award for all contracts by Sourcewell resulting from this procurement process, Supplier must comply with applicable requirements as referenced above.

D. RIGHTS TO INVENTIONS MADE UNDER A CONTRACT OR AGREEMENT. If the federal award meets the definition of “funding agreement” under 37 C.F.R. § 401.2(a) and the recipient or subrecipient wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental, or research work under that “funding agreement,” the recipient or subrecipient must comply with the requirements of 37 C.F.R. § 401, “Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements,” and any implementing regulations issued by the awarding agency. Supplier certifies that during the term of an award for all contracts by Sourcewell resulting from this procurement process, Supplier must comply with applicable requirements as referenced above.

E. CLEAN AIR ACT (42 U.S.C. § 7401-7671Q.) AND THE FEDERAL WATER POLLUTION CONTROL ACT (33 U.S.C. § 1251-1387). Contracts and subgrants of amounts in excess of \$150,000 require the non-federal award to agree to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. § 7401- 7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. § 1251- 1387). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).

Supplier certifies that during the term of this Contract will comply with applicable requirements as referenced above.

F. DEBARMENT AND SUSPENSION (EXECUTIVE ORDERS 12549 AND 12689). A contract award (see 2 C.F.R. § 180.220) must not be made to parties listed on the government wide exclusions in the System for Award Management (SAM), in accordance with the OMB guidelines at 2 C.F.R. § 180 that implement Executive Orders 12549 (3 C.F.R. § 1986 Comp., p. 189) and 12689 (3 C.F.R. § 1989 Comp., p. 235), "Debarment and Suspension." SAM Exclusions contains the names of parties debarred, suspended, or otherwise excluded by agencies, as well as parties declared ineligible under statutory or regulatory authority other than Executive Order 12549. Supplier certifies that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation by any federal department or agency.

G. BYRD ANTI-LOBBYING AMENDMENT, AS AMENDED (31 U.S.C. § 1352). Suppliers must file any required certifications. Suppliers must not have used federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any federal contract, grant, or any other award covered by 31 U.S.C. § 1352. Suppliers must disclose any lobbying with non-federal funds that takes place in connection with obtaining any federal award. Such disclosures are forwarded from tier to tier up to the non-federal award. Suppliers must file all certifications and disclosures required by, and otherwise comply with, the Byrd Anti-Lobbying Amendment (31 U.S.C. § 1352).

H. RECORD RETENTION REQUIREMENTS. To the extent applicable, Supplier must comply with the record retention requirements detailed in 2 C.F.R. § 200.333. The Supplier further certifies that it will retain all records as required by 2 C.F.R. § 200.333 for a period of 3 years after grantees or subgrantees submit final expenditure reports or quarterly or annual financial reports, as applicable, and all other pending matters are closed.

I. ENERGY POLICY AND CONSERVATION ACT COMPLIANCE. To the extent applicable, Supplier must comply with the mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act.

J. BUY AMERICAN PROVISIONS COMPLIANCE. To the extent applicable, Supplier must comply with all applicable provisions of the Buy American Act. Purchases made in accordance with the Buy American Act must follow the applicable procurement rules calling for free and open competition.

K. ACCESS TO RECORDS (2 C.F.R. § 200.336). Supplier agrees that duly authorized representatives of a federal agency must have access to any books, documents, papers and

records of Supplier that are directly pertinent to Supplier's discharge of its obligations under this Contract for the purpose of making audits, examinations, excerpts, and transcriptions. The right also includes timely and reasonable access to Supplier's personnel for the purpose of interview and discussion relating to such documents.

L. **PROCUREMENT OF RECOVERED MATERIALS (2 C.F.R. § 200.322).** A non-federal entity that is a state agency or agency of a political subdivision of a state and its contractors must comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. The requirements of Section 6002 include procuring only items designated in guidelines of the Environmental Protection Agency (EPA) at 40 C.F.R. § 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition, where the purchase price of the item exceeds \$10,000 or the value of the quantity acquired during the preceding fiscal year exceeded \$10,000; procuring solid waste management services in a manner that maximizes energy and resource recovery; and establishing an affirmative procurement program for procurement of recovered materials identified in the EPA guidelines.

M. **FEDERAL SEAL(S), LOGOS, AND FLAGS.** The Supplier cannot use the seal(s), logos, crests, or reproductions of flags or likenesses of Federal agency officials without specific pre-approval.

N. **NO OBLIGATION BY FEDERAL GOVERNMENT.** The U.S. federal government is not a party to this Contract or any purchase by a Participating Entity and is not subject to any obligations or liabilities to the Participating Entity, Supplier, or any other party pertaining to any matter resulting from the Contract or any purchase by an authorized user.

O. **PROGRAM FRAUD AND FALSE OR FRAUDULENT STATEMENTS OR RELATED ACTS.** The Contractor acknowledges that 31 U.S.C. 38 (Administrative Remedies for False Claims and Statements) applies to the Supplier's actions pertaining to this Contract or any purchase by a Participating Entity.

P. **FEDERAL DEBT.** The Supplier certifies that it is non-delinquent in its repayment of any federal debt. Examples of relevant debt include delinquent payroll and other taxes, audit disallowance, and benefit overpayments.

Q. **CONFLICTS OF INTEREST.** The Supplier must notify the U.S. Office of General Services, Sourcewell, and Participating Entity as soon as possible if this Contract or any aspect related to the anticipated work under this Contract raises an actual or potential conflict of interest (as described in 2 C.F.R. Part 200). The Supplier must explain the actual or potential conflict in writing in sufficient detail so that the U.S. Office of General Services, Sourcewell, and Participating Entity are able to assess the actual or potential conflict; and provide any additional information as necessary or requested.

R. U.S. EXECUTIVE ORDER 13224. The Supplier, and its subcontractors, must comply with U.S. Executive Order 13224 and U.S. Laws that prohibit transactions with and provision of resources and support to individuals and organizations associated with terrorism.

S. PROHIBITION ON CERTAIN TELECOMMUNICATIONS AND VIDEO SURVEILLANCE SERVICES OR EQUIPMENT. To the extent applicable, Supplier certifies that during the term of this Contract it will comply with applicable requirements of 2 C.F.R. § 200.216.

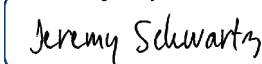
T. DOMESTIC PREFERENCES FOR PROCUREMENTS. To the extent applicable, Supplier certifies that during the term of this Contract will comply with applicable requirements of 2 C.F.R. § 200.322.

22. CANCELLATION

Sourcewell or Supplier may cancel this Contract at any time, with or without cause, upon 60 days' written notice to the other party. However, Sourcewell may cancel this Contract immediately upon discovery of a material defect in any certification made in Supplier's Proposal. Cancellation of this Contract does not relieve either party of financial, product, or service obligations incurred or accrued prior to cancellation.

Sourcewell

Navistar, Inc.

DocuSigned by:

C0FD2A139D06489...
By: _____
Jeremy Schwartz
Title: Chief Procurement Officer

7/2/2024 | 7:39 PM CDT
Date: _____

DocuSigned by:

28B83357778A47E...
By: _____
Bob Mann
Title: Vice President Government Sales &
Diamond Logic Builder

7/2/2024 | 3:29 PM CDT
Date: _____

RFP 032824 - Class 4-8 Chassis and Cabs with Related Equipment, Accessories, and Services

Vendor Details

Company Name: Navistar, Inc

Does your company conduct business under any other name? If yes, please state: International Truck

Address: 2701 Navistar Drive
Lisle, Illinois 60532

Contact: Bob Mann

Email: bob.l.mann@navistar.com

Phone: 815-631-3220

Fax: 815-631-3220

HST#: 36-1264810

Submission Details

Created On: Monday February 12, 2024 13:54:42

Submitted On: Thursday March 28, 2024 11:14:55

Submitted By: Bob Mann

Email: bob.l.mann@navistar.com

Transaction #: b3c99d77-58f2-4430-b6e2-c664992159b5

Submitter's IP Address: 165.225.60.120

Specifications**Table 1: Proposer Identity & Authorized Representatives**

General Instructions (applies to all Tables) Sourcewell prefers a brief but thorough response to each question. Do not merely attach additional documents to your response without also providing a substantive response. Do not leave answers blank; respond "N/A" if the question does not apply to you (preferably with an explanation).

Line Item	Question	Response *	
1	Proposer Legal Name (one legal entity only): (In the event of award, will execute the resulting contract as "Supplier")	Navistar, Inc.	*
2	Identify all subsidiary entities of the Proposer whose equipment, products, or services are included in the Proposal.	International Trucks International Used Truck	*
3	Identify all applicable assumed names or DBA names of the Proposer or Proposer's subsidiaries in Line 1 or Line 2 above.	International Truck International Used Truck	*
4	Provide your CAGE code or Unique Entity Identifier (SAM):	CAGE 526V0 UEI MV36U3JR39Y8	*
5	Proposer Physical Address:	2701 Navistar Drive Lisle, IL 60532	*
6	Proposer website address (or addresses):	www.navistar.com www.internationaltrucks.com (dealer locator) www.internationaltrucks.com/sourcewell (Sourcewell content and links for new and used vehicles) www.internationalusedtrucks.com	*
7	Proposer's Authorized Representative (name, title, address, email address & phone) (The representative must have authority to sign the "Proposer's Assurance of Compliance" on behalf of the Proposer and, in the event of award, will be expected to execute the resulting contract):	Bob Mann Vice President Government Sales & Diamond Logic Builder Navistar, Inc. 2701 Navistar Drive Lisle, IL 60532 bob.l.mann@navistar.com 815-631-3220 Cell 331-332-2070 Voice Mail	*
8	Proposer's primary contact for this proposal (name, title, address, email address & phone):	Bob Mann Vice President Government Sales & Diamond Logic Builder Navistar, Inc. 2701 Navistar Drive Lisle, IL 60532 bob.l.mann@navistar.com 815-631-3220 Cell 331-332-2070 Voice Mail	*
9	Proposer's other contacts for this proposal, if any (name, title, address, email address & phone):	Chad Conley Vice President Vocational Sales 2701 Navistar Drive Lisle, IL 60532 630-465-4088 Cell 331-332-2494 Voice Mail	

Table 2: Company Information and Financial Strength

Line Item	Question	Response *
10	Provide a brief history of your company, including your company's core values, business philosophy, and industry longevity related to the requested equipment, products or services.	Navistar, Inc., headquartered in Lisle, Illinois, is a company that reimagines how to create cohesive relationships, build high-performing teams, and find innovative solutions. 1. History of Innovation: Navistar's legacy dates back to the 1830's when Cyrus McCormick invented the reaper, the first mechanical harvesting machine. Over nearly two centuries, Navistar has consistently contributed to North America's growth, spanning Agriculture, Construction, Trucks and Buses. Navistar established a large dealer network for products with company field people and captive financing for our customers. 2. Core Business and Industry Longevity: Today Navistar's core business revolves around the truck and parts markets in the U.S. and Canada. It primarily participates in the Class 6 through 8 vehicle markets. More than a million International trucks and I.C.Buses are currently on the roads in the U.S. and Canada. In fact, one in five Class 6 through 8 trucks is an International—a testament to Navistar's enduring presence in the industry. Additionally, 40% of buses on the road bear the IC Bus brand, further solidifying Navistar's impact in the transportation sector. 3. Business Philosophy and Core Values: Vision: Navistar's guiding star is to accelerate the impact of sustainable mobility. This vision informs all their decisions, emphasizing a commitment to creating a better world for future generations. This vision is common within Traton and the Volkswagen companies throughout the world. Ownership Solutions: Collaborating with a dedicated dealer network, Navistar offers comprehensive ownership solutions. Fleet owners can thrive in the competitive landscape of transport and logistics. Service and Support: Navistar provides exemplary service at every level, with an extensive award winning parts distribution network and turnkey solutions for customers. Sustainability: Navistar actively works toward zero-emissions solutions and clean manufacturing practices, aiming to unlock new business models in digitalization and autonomous technologies. Navistar currently has autonomous vehicles in testing around our plant end engineering facilities in San Antonio, Texas. 4. Products and Solutions: Trucks & Buses: Navistar designs, manufactures, and distributes Class 4 through 8 International trucks and IC Bus branded buses. Their future value proposition extends beyond products to comprehensive solutions. Parts: Navistar's award winning Parts Team supports its products with Fleetrite, ReNEWed, and Diamond Advantage parts brands, offering a wide selection of truck, trailer, and powertrain service parts. Financial Services: Navistar provides retail, wholesale, and lease financing for products sold within the U.S., Canada, and Mexico. In summary, Navistar's rich history, commitment to sustainability, and industry longevity position it as a driving force in the world of transportation and mobility.
11	What are your company's expectations in the event of an award?	Navistar will build upon the lessons we have learned with previous awards to grow our footprint within Sourcwell by offering more products and use more tools to reach out and serve the Sourcwell members. Most importantly our dealer channel values the Sourcwell contract, as every dealer can use it to serve the government and non-profit agencies in their market.
12	Demonstrate your financial strength and stability with meaningful data. This could include such items as financial statements, SEC filings, credit and bond ratings, letters of credit, and detailed reference letters. Upload supporting documents (as applicable) in the document upload section of your response.	Prior to Navistar being acquired by TRATON on July 1, 2021, Navistar was rated non-investment grade by Fitch, Moody's and S&P. Upon the acquisition of Navistar by TRATON, the rating agencies upgraded the Navistar credit rating to investment grade, consistent with TRATON's credit rating. In conjunction with the acquisition, TRATON repaid all of Navistar's 3rd party debt. Additionally, Navistar was no longer an SEC registrant and was thus not required to submit quarterly or annual SEC filings of its financial statements. Currently Navistar has no 3rd party debt nor a credit rating. The only 3rd party debt is incurred by our financial services entities as Navistar has no 3rd party debt incurred by Corporate or any of its Sales & Services subsidiaries. As part of the acquisition by TRATON, Navistar became subject to IFRS and no longer to US GAAP. Navistar no longer publishes financial statements, but a summary of limited financial information and an explanation of our business can be found on TRATON's website and in its quarterly/annual financial reporting. Traton Annual https://annualreport.traton.com/2023/en/index.html
13	What is your US market share for the solutions that you are proposing?	35% for Government
14	What is your Canadian market share for the solutions that you are proposing?	37% for Government
15	Has your business ever petitioned for bankruptcy protection? If so, explain in detail.	No we have not.
16	How is your organization best described: is it a manufacturer, a distributor/dealer/reseller, or a service provider? Answer whichever question (either a) or b) just below) best applies to your organization. a) If your company is best described as a distributor/dealer/reseller (or similar entity), provide your written authorization to act as a distributor/dealer/reseller for the manufacturer of the products proposed in this RFP. If applicable, is your dealer network independent or company owned? b) If your company is best described as a manufacturer or service provider, describe your relationship with your sales and service force and with your dealer network in delivering the products and services proposed in this RFP. Are these individuals your employees, or the employees of a third party?	B. Navistar is a Truck and Bus Manufacture, that sells products to Sourcwell Members though the largest dealer network in North America. International Dealers are independently owned and operated. Their ability to sell and represent the International branded products, is tied to a Sales and Service Agreement (Contract) that Navistar holds with the Dealer. That contract requires the dealer to perform to the standards in the agreement. The sales professionals from our local dealership is who will be working with the Sourcwell member. Backing up the dealer sales representatives and company representatives that are assigned to the government side of the business. We are including a deck with an update on our dealer network
17	If applicable, provide a detailed explanation outlining the licenses and certifications that are both required to be held, and actually held, by your organization (including third parties and subcontractors that you use) in pursuit of the business contemplated by this RFP.	Each dealer and Used Truck Center is required to meet the state and local licensing requirements to do business in their area of operation. In addition, Navistar has conducted more than 30 in person Sourcwell Training sessions annually, for dealers, during the current contract. We believe that training and education is the best way to grow Sourcwell. We will be rolling out a Sourcwell Certified Program for Sales Reps. They become Certified by attending in person training and selling a unit using the program.
18	Provide all "Suspension or Debarment" information that has applied to your organization during the past ten years.	We do not have any suspension or debarment issues.

Table 3: Industry Recognition & Marketplace Success

Line Item	Question	Response *	
19	Describe any relevant industry awards or recognition that your company has received in the past five years	Navistar Parts was rated #1 in heavy equipment sector in the July 2023 Benchmarking Survey. Navistar is the top company for women working in for the transportation sector in 2022. Navistar Parts Distribution Centers ranked at the top of the industry 5 years in a row (May 2022) ISO 14001 Compliant. ISO 9001 Compliant Attached is our latest Sustainability Report from 2022. There are 4 key parts of our path to zero emissions and being a great company to support our customers, dealers, employees and shareholders: Sustainable Impact - The transportation is a substantial contributor to the total emissions on our planet. We accept responsibility and are driving change to advance sustainable solutions. Profitable Performance - We have to be a healthy well rounded entity with our dealers so we can offer the best products and experiences for our customers. Foundation for the Future - We are investing in many technologies, digitalization, zero emissions and autonomous solutions. We are creating new business models where it makes sense for our customers. We will leverage our technologies with our Traton partners across the globe. Culture and Leadership - We will be known for having a strong culture at Navistar, which guides every decision every day. Each employee is trusted and empowered to make the right choices every day.	*
20	What percentage of your sales are to the governmental sector in the past three years	Government business makes up 35% of the Work Truck Business Unit and 7% of all vehicles Navistar produces annually.	*
21	What percentage of your sales are to the education sector in the past three years	The Education Sector is 98% of the IC Branded Bus Business and 15% of the total truck and bus business. IC Bus is the number 1 School Bus Brand in North America with 40% market share of the Education Sector.	*
22	List any state, provincial, or cooperative purchasing contracts that you hold. What is the annual sales volume for each of these contracts over the past three years?	Since 2020, the truck and bus industry has experience constrained production with supplier and component shortages. Sourcewell Trucks and Buses 510 Onondaga County (NY) 125 International Dealers hold the following larger contracts Greater Boston Police Council 29 Florida Sheriff's Council 110 North Carolina Sheriff's Council 22 Buy Board (Texas) 83 Houston Galveston Area Council 21 Cooperative Education Services NM 55 Education Services Commission of NJ 125	*
23	List any GSA contracts or Standing Offers and Supply Arrangements (SOSA) that you hold. What is the annual sales volume for each of these contracts over the past three years?	Navistar currently has a contract for class 8 trucks with GSA 220 is the current average Our dealer in Washington/Maryland holds the GSA bus contract that has current average of 60 units	*

Table 4: References/Testimonials

Line Item 24. Supply reference information from three customers who are eligible to be Sourcewell participating entities.

Entity Name *	Contact Name *	Phone Number *	
Iowa Department of Transportation	Jody McNotten	515-239-1173	*
City of Kingston, Ontario	Gord Warner	613-546-4291 ext 2216	*
City of Tulsa, Oklahoma	Brian Erickson	918-591-4068	*
Hagerstown Community College, Maryland	Jack Drooger	240-500-2453	
Grundey County Highway Department, Tennessee	Johnny Fults	931-273-0664	

Table 5: Top Five Government or Education Customers

Line Item 25. Provide a list of your top five government, education, or non-profit customers (entity name is optional), including entity type, the state or province the entity is located in, scope of the project(s), size of transaction(s), and dollar volumes from the past three years.

Entity Name	Entity Type *	State / Province *	Scope of Work *	Size of Transactions *	Dollar Volume Past Three Years *	
US Government all agencies	Government	District of Columbia - DC	All models offered	1645	\$188,153,000	*
Sourcewell	Government	Minnesota - MN	All Models of Trucks and Tractors, most are vocational dump/plow	1115	\$136,700,000	*
New York State Contracts	Government	New York - NY	Snow Plow Trucks and Plow Patrol Vehicles	1065	\$155,397,037	*
California State Agencies	Government	California - CA	Fire and Emergency, Plow Trucks, Refuse Trucks	345	\$38,985,000	*
Commonwealth of Virginia	Government	Virginia - VA	Plow Trucks and Dump Trucks	197	\$23,640,000	*

Table 6: Ability to Sell and Deliver Service

Describe your company's capability to meet the needs of Sourcewell participating entities across the US and Canada, as applicable.

Your response should address in detail at least the following areas: locations of your network of sales and service providers, the number of workers (full-time equivalents) involved in each sector, whether these workers are your direct employees (or employees of a third party), and any overlap between the sales and service functions.

Line Item	Question	Response *
26	Sales force.	International has 1109 sales reps in our dealer channel. They are backed by 100+ Company Sales Reps and 8 dedicated Government Sales Reps.
27	Dealer network or other distribution methods.	International has an unmatched dealer network across the US and Canada. 696 International Locations 383 International Authorized Love's and Speedco locations 1050 total, largest in the industry A copy of presentation on the dealer network is attached In addition, there are 14 Navistar Owned Used Truck Centers
28	Service force.	With 1050 service locations in North America, there are 8500+ technicians and 6300+ service bays. In addition, Navistar has an Uptime Command Center that was established in 2017. With 47 dedicated employees and the use of the I-360 Repair Management System and On Command Connection, this team is focused on keeping units on the road.. Units enrolled in this process show that 80% are addressed in 48 hours and 100% within 48 hours. The enhanced communication benefits all users, not just the customers using I-360. With the average vocational/government truck being in service for 15 years. Service is important. In addition our award winning parts organization has invested in new Parts Distribution Centers and getting the part shipped and to the customer as quickly as possible.
29	Describe the ordering process. If orders will be handled by distributors, dealers or others, explain the respective roles of the Proposer and others.	The International dealer will verify the requesting entity is a Sourcewell Member. If the requesting entity is not a Sourcewell member, the dealer will assist them in becoming a member. Once the member has determined their needs and specifications for the truck, the Dealer will price the truck including "Sourced" or "Turnkey" equipment if desired. The dealer sales rep will use the appropriate Sourcewell Excel Workbook, which was developed for this contract. It assures the truck is properly priced with appropriate discounts and does not exceed the ceiling pricing of the contract. It also provides an easy-to-read summary page for the member, showing the member they got the appropriate discounts. For the US, we have put the selling process into a sales program, making it quick and easy for the dealer to complete proposal with proper pricing. For Canada, we use the workbook and US pricing but have to apply an exchange rate that the Canadian office administers. It has an extra step, but getting the correct exchange rate is very important with the total cost of the unit. If financing is needed, we get Jake Ost from NCL Government Capital engaged. In the pricing section of our response, there is additional commentary on the supply and availability of class 4-8 trucks. We do not see that improving dramatically between now and 2027. The vocational truck order board for Navistar is full for 2024. Once the order is placed for the chassis, "Sourced" or "Turn-key" PO's need to be placed by the dealer. Selling Electric Vehicles (EV's) starts with the needed infrastructure to operate one. There is a lot of additional work up front to get charging stations in place. That may include utility construct and consulting work before a truck is ever spec'ed out. A list of dealers who are ready to sell EV's and have invested to do so is in attached list. Navistar has a dedicated team of EV professionals ready to help. Navistar entered into an agreement with Quanta Services of Houston, TX. They are the largest utility contractor in North America and specialize in utility construction and EV infrastructure. If needed, you International dealer can bring in additional resources. Navistar has also invested in grant/funding professionals that are available through your international dealer. Training is what makes the Sourcewell Program run smoother for the Sourcewell Members and our dealers. We have added Used Trucks as an option, for this RFP. Used truck will have same tools customized for their use.
30	Describe in detail the process and procedure of your customer service program, if applicable. Include your response-time capabilities and commitments, as well as any incentives that help your providers meet your stated service goals or promises.	Customer Service is provided by our dealer network, who handles all direct relationships with our end customers. Navistar has implemented a system called Diamond Edge with the dealers to measure performance and key operations that impacts the dealerships overall performance score. Diamond Edge includes the following components and metrics to measure success: 1. Diamond Edge Certification, which allows customer to experience faster service immediate parts availability, and a higher level of service expertise. 2. Technician education and certification. 3. Vehicle write up in 15 minutes. 4. Vehicle diagnosed and communicated back to the customer in 2 hours. 5. Predictive parts stocking logic to ensure parts are on the shelf for unplanned service events. 6. Velocity metrics to ensure for repairs to be completed within 24/48 hours of arrival at the dealership. Dealers are rewarded for their performance with Prestige Standards which measures customer satisfaction and their dealer experience.
31	Describe your ability and willingness to provide your products and services to Sourcewell participating entities in the United States.	International Trucks are available at dealerships throughout the US including Alaska and Hawaii. International Used Trucks are available through our unmatched dealer network in the lower 48 of the US and our 14 company owned Used Truck Centers in the US.
32	Describe your ability and willingness to provide your products and services to Sourcewell participating entities in Canada.	International Trucks are available at dealerships throughout Canada. We have 2 dedicated Government Sales Reps in Canada and are active with CANOE. Our dealers continue to grow the Sourcewell Business in Canada.
33	Identify any geographic areas of the United States or Canada that you will NOT be fully serving through the proposed contract.	Navistar will not be including Puerto Rico, the Pacific US Territories or the US Virgin Islands. We tried this with earlier contracts and had no interest. If an interest should arise, we will submit P and P to add.
34	Identify any Sourcewell participating entity sectors (i.e., government, education, not-for-profit) that you will NOT be fully serving through the proposed contract. Explain in detail. For example, does your company have only a regional presence, or do other cooperative purchasing contracts limit your ability to promote another contract?	Navistar will serve all Sourcewell Members. Using Sourcewell membership list, Gov-Win and our enhanced Government data base we are continually updating opportunities for our dealers. We work with our IC Bus team on these opportunities and encourage dealers to engage with the education and non-profit agencies as well.
35	Define any specific contract requirements or restrictions that would apply to our participating entities in Hawaii and Alaska and in US Territories.	Navistar has dealer locations in Alaska and Hawaii. The dealer serving Alaska has locations in Arizona, California and Washington. The dealer serving Hawaii has locations in Southern California. Both understand what it takes to serve these remote parts of the US.

Table 7: Marketing Plan

Line Item	Question	Response *
36	Describe your marketing strategy for promoting this contract opportunity. Upload representative samples of your marketing materials (if applicable) in the document upload section of your response.	Strategies and actions related to Sourcewell marketing efforts: 1. Communicating Contract Awards: International aims to spread the word about contract awards through various channels. These include corporate press releases, social media platforms (such as X, Facebook, Instagram, and LinkedIn), and targeted email announcements to Diamond Partner Members. 2. International leverages its dealer network by incorporating contract details into monthly customer mailings and digital communications. 3. Visibility at Trade Shows and Events: To enhance visibility, International places Sourcewell stickers and banners on relevant assets. These assets are showcased at corporately sponsored trade shows, industry events, and regional trade shows managed by the dealer network. 4. International actively supports and participates in local events organized by Sourcewell. This engagement fosters stronger connections with members and the community. Local Event Participation: Empowering Distribution Channels: 5. International encourages its distribution channels to attend local Sourcewell events. Co-op funds are allocated to maximize efforts and ensure high-quality engagement. 6. Quarterly Communication with Dealers: International maintains regular communication with its dealer network. This includes sharing area member opportunities using both the Sourcewell member list and internal CRM tools. The goal is to efficiently connect with dealers and provide beneficial information. 7. Centralized Information Access: Sourcewell collateral, award details, and NCL materials are published on International's Sales and Marketing Resource Center (SMRC) website. This resource allows sales representatives quick access to up-to-date materials. Speaking Privileges for Sourcewell Representatives: 8. International grants speaking privileges to Sourcewell representatives during dealer and regional events along with NCL Government Capital. This direct access facilitates communication with the distribution network. 9. Leveraging Field Staff: The company's parts and service field staff actively promote Sourcewell contracts, reinforcing the partnership. Furthermore, International employs software tools like Customer Relationship Management (CRM) systems and external databases to strategically guide its distribution network's sales efforts. These tools help identify Sourcewell members, allowing focused attention on their needs. 10. The Sourcewell-focused website, International Trucks Sourcewell, serves as a hub for relevant information. Traffic to this site is driven through paid search campaigns and social media posts, adhering to CAN-SPAM regulations for outbound and direct mail campaigns. In summary, Sourcewell's support and collaboration play a crucial role in International's marketing efforts, ensuring effective communication and successful contract utilization. With new Equalevel capabilities being added to the Sourcewell Sites, we look forward to more promotion, marketing and sales.
		Our Dealer Sourcewell Marketing Presentation is in the attachments.
37	Describe your use of technology and digital data (e.g., social media, metadata usage) to enhance marketing effectiveness.	Navistar uses our in house Diamond Analytics to help with Sourcewell Marketing. Each dealer can go into system and access their Sourcewell member information. We also tie Gov-Win to Diamond Analytics to give dealers access to any public info about their customers and funding for future purchases. Dealers have dedicated Marketing managers to help promote Sourcewell within their Assigned Areas.
38	In your view, what is Sourcewell's role in promoting contracts arising out of this RFP? How will you integrate a Sourcewell-awarded contract into your sales process?	We need Sourcewell to keep investing in technology. We need Sourcewell to continue participating in and hosting local events to get members and dealers engaged. We enjoy working with our Sourcewell Team: Andy Campbell and Racheal Delaney. We don't have a relationship like that with any other contracts we work with. Whether it's passing along a lead for a purchase or asking us to follow up on a members request, we work together as a team. We also work closely with NCL Government Capital, another Sourcewell Awarded Supplier. Jake Ost, from NCL joins all our Sourcewell meetings and calls and is a great resource for our dealer network.
39	Are your products or services available through an e-procurement ordering process? If so, describe your e-procurement system and how governmental and educational customers have used it.	International Truck does not have e-procurement process. Members will need to work directly with their selling dealer to better understand how our process works at the dealer level. Our dealers are sophisticated in serving customers including doing business electronically, to meet the members needs

Table 8: Value-Added Attributes

Line Item	Question	Response *
40	Describe any product, equipment, maintenance, or operator training programs that you offer to Sourcewell participating entities. Include details, such as whether training is standard or optional, who provides training, and any costs that apply.	Every new International Truck sold to Sourcewell Membership comes with the International Silver Package. The Silver Package provides member with 2 years of online parts and service information. This is a \$1500 value at no charge. Provides online access to all parts and service catalogs Recall and Warranty info by VIN, including history. It is a time saver with search features. We encourage the dealer sales rep to review this program when activated. Service Training is not standard or included with the product. Service Training is available on-line and in person. In Person training is generally fee based. Diamond Logic Builder would be an exception to that as we do not charge for that. Many of our dealers will offer customer training at their facilities, if training is important, please discuss with Dealer Sales Rep. On-Line Training is usually free and has become a very popular with our dealers and customers as there is no lost time and expense for travel. Component Suppliers we use charge for in-person training as well. All Parts brought through Navistar carry a 12-month warranty on the part. If that part is purchased and installed by an authorized Navistar Service Provider, the labor would be included. All equipment installed at our Factory Mod Center (TSC) also comes with a 12-month warranty. International 360 provides a revolutionary service communications and fleet tools that put all service information together in one site. Here is the link for International 360. http://www.internationaltrucks.com/360 Dealers will offer maintenance contracts if needed.

41	Describe any technological advances that your proposed products or services offer.	International has launched new S-13 Engine and T-14 Automated Manual Transmission. Manufactured at our recently expanded plant in Huntsville, Alabama. Born from a global collaboration of industry powerhouses (Scania, MAN, International and VW Truck and Bus), the S13 is meticulously engineered to set a new standard. It can operate at low RPMs with high torque which equates to less fuel consumed while still delivering up to 515 horsepower and 1,850 lb-ft of torque. The S13 Engine brings undisputed economy through combustion efficiency, the reduction of friction and pumping losses, and through use of new integrated software and controls. It offers a smooth and quiet operation with superior capabilities. In fact, full torque is available at only 900 rpm and the wide gear ratio means optimal efficiency on flatlands with the performance drivers crave on hilly terrain. It can achieve up to a 15% gain in fuel economy over the popular first generation International® A262. The T14 Transmission is designed from the ground up to be a fully automated manual transmission. It allows for fast shifts and removing three synchronizer rings, resulting in wide gears for extra strength and a shorter, more compact design. The T14 uses an integrated oil to water coolant system to optimize temperature regulation in both hot and cold environments. It has an electronically controlled clutch actuator that works in sync with the engine to deliver faster, smoother shift performance. It has 14 forward speeds with industry leading gear splits and 7 gears for reverse, all operating automatically allowing the driver to focus on the driving. The T14 Transmission is able to achieve an unlimited Gross Combination Weight Rating (GCW). These features make both the S13 and T14 excellent investments for those in the trucking industry. Safety is extremely important to us at Navistar and the customers we serve. International is the only OEM that currently meets the SAE J2422 Cab Crush Guidelines on class 6-8 products. To protect the driver and others on the road, Electronic Stability Control and Collision Mitigation continue to grow in our product offering. These features are not just for on highway trucks, they are becoming popular with vocational trucks as well. Roll Overs are a source of serious injuries and fatalities in commercial trucks. International has offered and sold Roll-Tek Seats for many years, including Snowplow application, protecting the driver in the event of a rollover. When the sensors detect a roll over, the seat secures itself to the lowest possible height and an air bag system deploys from the side of the seat to protect the driver. Rather than traditional point to point wiring to control features on the truck, Diamond Logic Uses a powerful body controller and Remote power modules to program switches, read signals on the chassis and automate task. Below are some of the more popular options: - When Park Brake is pulled, transmission is shifted to neutral - If seat belt is not engaged for the driver the unit will not go in gear - If a bed or equipment is in the up position, speed can be limited alarming driver that the equipment is not stowed - If outriggers are not deployed a boom or crane will not move - If crane or hoist are not stowed, the truck will not go into gear - If liftgate is not stowed the truck will not go into gear - DOT lamp check allows driver to cycle all lights on the vehicle without having a helper in the cab to activate - When PTO is operated through Diamond Logic, we prevent the PTO from being damaged - Air features can also be controlled by this system with similar interlocks. - For tractors, we offer air bag logic for easy hook up and disconnect - Work Lights off when unit is in drive - Headlights on with wipers - Cruise disabled with wipers - Radio muted in reverse - Radio muted with turn signal - Camera activated with turn signal - Switches can easily be moved electronically International offers the Cummins B-6.7 and L-9 with Front Engine PTO capability along with the X-15 Stainless Oil Pans (B-6.7, L-9, S-13) Galvanized Frame Rail Options Remote Power Modules in the Cab Transmission Control Module in the cab, versus outside mounted to the transmission: Stainless Bolts for Allison Transmission Pan Stainless Cooler Lines Stainless Brake Parts Strongest 1/2" single Frame Rail in the industry 3.35 Million RBM of HV and 3.5 Million RBM on the HX Galvaneal (Galvanized) Treated Cab on eMV, MV, HV, HX, RH, LT Line - X Floor lining option on HV and HX models International Trucks is the only OEM that currently meets the SAE J2422 Cab Crush Guidelines on class 6-8 products. Below are links to specific products that can be very helpful; Engines that Power International Trucks: https://www.internationaltrucks.com/engines Model Specific Links: https://www.internationaltrucks.com/cv-series https://www.internationaltrucks.com/mv-series https://www.internationaltrucks.com/hv-series
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42	Describe any "green" initiatives that relate to your company or to your products or services, and include a list of the certifying agency for each.	From the 2022 Navistar Sustainability Report. Fuel Efficiency Package with S13 Engine and LT Tractors Working with TRATON group to bring advanced powertrains to market including electric truck and electric school bus Being awarded the Department of Energy "Better Plants Program" for reducing a 25% reduction in energy consumption by 4% annually at all facilities, which has required some large investments in both interior and exterior lighting at our facilities. Reducing both hazardous and non-hazardous waste is another key area for our manufacturing operations. Today more than 56% of waste is recyclable. Navistar is one of 4 teams leading the Department of Energy Super Truck initiative. 90% of our vehicles content is recyclable. In the Parts Distribution Centers have reduced packaging materials by using returnable containers to ship parts. A dedicated delivery system from the Parts Distribution Centers utilizes prescribed routes to reach multiple dealerships eliminating double handling of parts as well as achieving earlier deliveries. Energy Consumption, Green House Gas Emissions, Incident Frequency Rate, Water Withdrawal, Hazardous Waste generation and Non-Hazardous Generation are tracked and charted in document. https://news.navistar.com/2022-07-29-Navistar-Positioned-for-a-More-Sustainable-Future-in-Annual-Sustainability-Report
43	Identify any third-party issued eco-labels, ratings or certifications that your company has received for the equipment or products included in your Proposal related to energy efficiency or conservation, life-cycle design (cradle-to-cradle), or other green/sustainability factors.	Navistar's mission statement is to "accelerate the impact of sustainable mobility". Most of our plants are ISO 14001 certified as well as ISO 9001 certified. Our New Plant in San Antonio, Texas should receive ISO 14001 in 2024. Navistar has many green initiatives including the following path to zero emissions: We strive to achieve 50% new battery electric vehicle sales by 2030 and 100% by 2040 in the US and Canadian markets. Navistar's decarbonization effort is to move away from product fossil fuels. Beginning in 2021 Navistar's work through 2022 and into 2023 is leading to the development of targets to be submitted to the SBTi. this target will encompass scope 1 and scope 2 emissions and a target for scope 3 emissions from the use of products energy usage electrical energy usage. Electric driven products continue to be the focus of our products, which increased by 32% and 2022. On the energy purchased side of the equation, energy used by our facilities increased less than 2% in 2021 evidence of the energy efficiency gains and reduction of wasted energy in our operations circular business. Circularity not only saves raw resources from being used in the production process but uses less energy causes less emissions increase less waste than a new product. Navistar is early in its journey towards circular business model but is committed to moving in that direction. Remanufacturing, and the energy and emission impacts of remanufactured vehicle parts can be on average as low as 35% when compared to that of a new part and the waste impacts can be less than 10% compared with a new vehicle part. According to the 2018 United Nations environmental program report as a result remanufacturing can have significant impact Navistar sells and distributes remanufactured parts under the renewed and fleetrite brands with approximately 3000 different parts regularly remanufactured. In 2022, 64% of all waste generated was recycled compared to 67% in 2021 which represents A slight decrease likely related to the impacts of COVID-19 pandemic affecting waste segregation and recycling. Navistar has programs to that require re-useable racks for most of the material brought into our plants as well as recycling cardboard, pallets and other packaging material. We aim to shape our circular economy continuously improve towards our goal of 75% recycling rate and create less resource intense company. Conserving water resources. In 2022 Navistar used .51 million cubic meters of water in our operations a 9.1 increase from .47 million cubic meters of water in 2021. We did build substantially more vehicles in 2022. Our overall water usage has been trending lower during the years prior to the start of the pandemic but increased slightly compared to 2021 however the total water used per vehicle decreased due to improved efficiency at higher production levels. Environmental compliance remains a baseline value for us our manufacturing facilities are certified by outside auditors to comply with ISO 14,001. As mentioned above, our new Plant in San Antonio Texas is working on completing their ISO 14,001 certification this year. The 2023 sustainability reporting was not completed to include in this RFP. https://news.navistar.com/2022-07-29-Navistar-Positioned-for-a-More-Sustainable-Future-in-Annual-Sustainability-Report
44	Describe any Women or Minority Business Entity (WMBE), Small Business Entity (SBE), or veteran owned business certifications that your company or HUB partners have obtained. Upload documentation of certification (as applicable) in the document upload section of your response.	"Navistar and IC BUS remain committed to diversity both internally and externally within our workforce and supply base. We have a supplier diversity program that has been in place for more than 40 years to bring awareness and emphasis to our business practices. We continue to grow our commitment and strategic relationships from our diversity and advocacy business partners and embrace diversity as a way of business. Our supplier diversity program is designed to develop and strengthen strategic supplier relationships with companies owned and operated by minorities, women, veterans, and small businesses. We will continue to work closely with them to explore innovative ways to increase financial viability, satisfy the rigorous quality and production requirements and continue to drive value-add solutions delivering above the desired service levels. As a result of our efforts to sustain a robust and diverse supplier base, Navistar finished 2023 with the following diverse spend results: - \$288.3M with Minority Business Enterprises (MBE) and Women Business Enterprises (WBE) - \$630.6M with Small Business Enterprises (SBE) - \$89.4M with Small Disadvantaged Business Enterprises (SDB) - \$33.3M with Veteran Business Enterprises (VBE) - \$15.8M with Historically Underutilized Business Zones (HUB Zones)"
45	What unique attributes does your company, your products, or your services offer to Sourcwell participating entities? What makes your proposed solutions unique in your industry as it applies to Sourcwell participating entities?	International has a strong presence in the North American Government Sector, with the largest dealer network to sell and service the products used in the communities they serve. They have a strong market share in the Government Sector and knowledgeable sales professionals at the dealerships to serve the members. International has the ability to provide turn-key solutions and has a proven track record of growth with Sourcwell. They have an award-winning parts distribution system as members keep units in service far longer than commercial applications do. Their product offering is completely updated with specific vocationally focused products to serve the Government Sector. They offer a free online parts and service program and have both Cummins and International Engines. International also has joint marketing and Sourcwell promotion through NCL Municipal Financing and a parts program tailored to Sourcwell. These features make International a strong player in the trucking industry.

Table 9A: Warranty

Describe in detail your manufacturer warranty program, including conditions and requirements to qualify, claims procedure, and overall structure.

You may upload representative samples of your warranty materials (if applicable) in the document upload section of your response in addition to responding to the questions below.

Line Item	Question	Response *
46	Do your warranties cover all products, parts, and labor?	International's base warranty covers all products on the chassis as it left our factory with parts and labor. Maintenance items or misuse of a product would not be covered. Navistar would not be provide warranty on equipment installed after it has left the factory. Items like a dump body or a snow plow, would get warranty provided by the company that made the components and the facility that installed them. The International dealer can review the base and optional vehicle coverage as well as the warranty for items installed for turn key operation. Attached link takes you to our Warranty Landing Page "https://www.internationaltrucks.com/support/warranties" All base warranty documents are attached to the RFP.
47	Do your warranties impose usage restrictions or other limitations that adversely affect coverage?	International warranty documents (attached) will clarify: 1. The warranty coverage document also covers restrictions of coverage, competitive with the rest of the industry, including restrictions and limitations. 2. External influence, damage, modifications, etc. 3. Failure due to improper use, overloading, misapplication or abuse can be denied. 4. Failure due to not performing proper maintenance, storage, deterioration, etc. 5. Supplier Direct warranty requirements i.e. Cummins/Allison/Dana/Meritor etc.
48	Do your warranties cover the expense of technicians' travel time and mileage to perform warranty repairs?	Navistar covers warranties performed at the dealer shop and authorized locations. The one exception would involve towing coverage. If towing coverage is on the vehicle, and it has a disabling failure, it may be more cost effective for the dealer to send a tech to repair on site versus a tow.
49	Are there any geographic regions of the United States or Canada (as applicable) for which you cannot provide a certified technician to perform warranty repairs? How will Sourcewell participating entities in these regions be provided service for warranty repair?	Since International Trucks are on highway vehicles, our warranty repairs are performed at the dealership or authorized service provider. Navistar prefers that Sourcewell members use International Dealers for non-warranty repairs as well. Dealers that serve remote areas have the ability to get techs and needed parts out to service those products, however the travel and labor expense getting to and from these products is not covered under warranty. If the Sourcewell member is in a remote area, please discuss the options with the selling International Dealer.
50	Will you cover warranty service for items made by other manufacturers that are part of your proposal, or are these warranties issues typically passed on to the original equipment manufacturer?	Navistar does cover many supplier-based components through the standard warranty period. However, there are suppliers such as Cummins and Allison that require their concerns t. address issues, and may require the work on the vehicle to be performed at their distributor or local facility. With the largest dealer network in North America, most dealers are set up to do extensive Cummins work and Allison maintenance work. Question on this issue can be addressed by the selling dealer. Supplier direct warranties may be available from the supplier subsequent to the base chassis warranty. equipment installed to the dealer, truck equipment manufacture, or aftermarket modifications center are not covered by the International warranty. These items will be warranted by manufacture that produced or installed the components or performed the work.
51	What are your proposed exchange and return programs and policies?	Our vehicles will be delivered as ordered and warranted free of defects and workmanship. If the vehicle is not performing to the level expected we will engage the appropriate Field Service Manager to expedite a repair plan our expectation is to not only resolve your concern fully but to do it in a timely fashion.
52	Describe any service contract options for the items included in your proposal.	International offers a wide variety of service contracts and warranties that can be added to the spec of the truck when purchased or after the unit is built but not delivered. Units that are in service may also be eligible for extended warranties, but there are time limitations in place. Here are the categories and maximum time in months for the service contracts available on all models: Bumper to Bumper plans: Up to 60 months. Extending the basic vehicle coverage: Up to 84 months. Vocational cab warranties: Up to 120 months. Vocational Frame warranties: Up to 120 months. Cooling, Electrical, HVAC Axles, Starting System: Individually available up to 60 months. Combo Plan for Engine and Aftertreatment (International Engine): Up to 84 months. Comprehensive Engine Plans (International Engine): Up to 84 months. Major Engine Component Engine coverage (International Engine): Up to 84 months. Def Tank Companion Plans: Up to 72 months. All these plans have mileage/kilometer limits but none are tied to engine hours. In addition to International's warranties, Cummins and Allison warranties are also offered through the dealer with similar time and mileage/kilometer limits. Sourcewell Members Purchasing a Used Truck from International Used Truck Center or International Dealer, that do not exceed 7 years in age, will get a 1 year Engine and Aftertreatment Warranty valued at \$6000. INTERNATIONAL USED TRUCK ENGINE & AFTERTREATMENT COVERAGE 92 VITAL ENGINE COMPONENTS COVERED | 16 MAJOR AFTERTREATMENT COMPONENTS COVERED Basic Engine Components • Connecting Rod/Cap • Crankcase & Crankshaft • Exhaust Manifold Assembly • Flywheel Housing & Bearing • EGR Cooling & Valve Aftertreatment • Aftertreatment Control Module • Sensors • Diesel Particulate Filter (DPF) • SCR Catalyst & Reactor • DEF Injector & Sensors Electronic Engine Components • Cold Start Components • Engine Sensors • Electronic Control Module • High Pressure Rail Cylinder Head & Valve Train • Gasket & Sleeve • Intake / Exhaust Valve Other Engine Components • Fuel Heater / Water Separator • High Pressure Fuel Injector • Air Compressor With the amount of coverage available, it is recommended that the Sourcewell member discuss their needs with the dealer sales rep to present options that best fit.

Table 10: Payment Terms and Financing Options

Line Item	Question	Response *
53	Describe your payment terms and accepted payment methods.	For Sourcewell members, the International dealer will carry the unit on the books for 30 days after the unit is built and shipped to its final destination, either a Truck Equipment Manufacturer (TEM) to get a body installed, or to the dealer. Payment will take place prior to possession of the unit or upon arrival at the body company unless other arrangements have been made. If units are funded by NCL Government Capital, they can fund the vehicle when it arrives at the body company. For units exceeding the 30 days of terms, the dealer can add the cost of the additional terms into the price of the unit. There is a section on the Sales Summary Sheet for additional terms. The lead time to install equipment has grown since Covid, as have the interest rates and carrying cost. Some customers will fund the chassis portion of the purchase when it gets to the body company. This process ensures a smooth transition from purchase to operation for the customers.
54	Describe any leasing or financing options available for use by educational or governmental entities.	NCL Government Capital is Sourcewell Awarded Supplier that we work with for Sourcewell. They provide both leasing and financing offerings to zero or established end of term amount. If your dealer hasn't presented NCL Government Capital Options to you, please ask them to. Jake Ost is our NCL Government Capital Rep. We will include contact info and NCL overview in the RFP.
55	Describe any standard transaction documents that you propose to use in connection with an awarded contract (order forms, terms and conditions, service level agreements, etc.). Upload a sample of each (as applicable) in the document upload section of your response.	There are 3 key documents needed to facilitate a smooth and transparent process for all parties. 1. The Sourcewell Award: This is the awarded contract in its entirety or summary form. It is reviewed on calls and in training presentations are recorded for the dealers to refer back to. It outlines the terms and conditions of Navistar's partnership with Sourcewell. 2. Sourcewell Sales Program (Dealer Document): This document provides guidance for dealers, outlining their responsibilities and providing reference documents. It also includes contact information for Navistar's government sales team for dealers who need assistance and NCL Government Capital. 3. Sourcewell Workbook: This is a template that dealers use to enter vehicle information. The workbook then calculates the price of the unit and generates a Sales Summary Page for the Sourcewell member making the purchase. They can easily see all parts of the transaction and that they are receiving the proper Sourcewell Discounts. Dealers can not make any changes to the template. This is where dealers would add additional equipment for turn key offerings as well as extended warranties, terms and any other cost of the sale.
56	Do you accept the P-card procurement and payment process? If so, is there any additional cost to Sourcewell participating entities for using this process?	P-Card usage and terms would be specified by the selling dealer. Generally, truck purchases are outside the scope of P-Card usage. Any fees imposed by the process would have to be added into the cost of the unit.

Table 11: Pricing and Delivery

Provide detailed pricing information in the questions that follow below. Keep in mind that reasonable price and product adjustments can be made during the term of an awarded Contract as described in the RFP, the template Contract, and the Sourcewell Price and Product Change Request Form.

Line Item	Question	Response *
57	Describe your pricing model (e.g., line-item discounts or product-category discounts). Provide detailed pricing data (including standard or list pricing and the Sourcewell discounted price) on all of the items that you want Sourcewell to consider as part of your RFP response. If applicable, provide a SKU for each item in your proposal. Upload your pricing materials (if applicable) in the document upload section of your response.	For new trucks, International will use a flat dollar amount discount on CV models. On the rest of our product offering, we will use a discount of the total list price (Diesel Vehicles: MV,HV,HX,RH,LT) and an options only list discount on the eMV. (Electric Vehicle) We do not have any restrictions on what models and options are available to Sourcewell members other than emissions restrictions based on the state the vehicle will reside in. Emissions and Federally Mandated items are not price protected. Currently CARB requires additional warranty on every unit sold regardless of the manufacture. For 2024 the upcharge for CARB is \$9000 a unit, non-discountable. Bodies and equipment that are not manufactured and installed by Navistar are not price protected by Navistar. We recommend that discussion take place when the proposal is being put together. For vehicles that are not in stock or line-set for build, that need to be ordered, the International Dealer should not accept the Purchase Order or final Purchase Order until the unit is line-set (which is 90 days from being produced at our factory.) Units will be invoiced to the dealer at the pricing that is approved and in place with Sourcewell when it gets built. This is what we had in place from out 060920-NVS award. The flat discounts on the CV models are \$6000 The list price discounts (base plus options) on diesel models go from 30.3% to 51.1% eMV has no discount on the base chassis, the options do have a 24.5% list discount. Units sold in Canada use US pricing and incentives the same as the US, an exchange rate is applied and locked in when the dealer submits the proposal to our Canadian Office. A pricing summary sheet by model family and the specifications that were used for each model are in the attachments. Things to keep in mind: 1. The next 4 years will have a lot of regulatory changes as well as more electric offerings and component changes. 2. There is a strong probability that engine manufactures will move up their 2027 emission into 2026. 3. There will continue to be supplier constraints that limit and push out production 4. There will be an emissions pre-buy starting in 2025. 5. International Promotes Sourcewell as a way to speed up the purchase cycle to get units ordered. With long lead times for new trucks and the average age of a government truck is growing, we are pleased to offer a USED TRUCK Option for this contract. Eligible units are owned by Navistar and are in the International Used Truck Center Inventory. International typically has 2000+ units in company inventory at 14 company owned locations. These are fleet maintained and off unit leases that meet terms and conditions for operation and appearance. Pricing as advertised by Used Truck Center or Dealer. Navistar provides the Sourcewell member with 5 key benefits: 1. Units are inspected pass DOT requirements, and are immediately available 2. Truck that is less than 7 years old. These can be International or other makes. 3. Sourcewell Members will receive 12 months of Major Engine Components and Aftertreatment Coverage at no additional Cost. A \$6000 Value. 4. \$1000 Parts and Service Card 5. Ability to create Sourced or Turn-key solution in the same fashion we use for the new products offered in this rfp.

58	Quantify the pricing discount represented by the pricing proposal in this response. For example, if the pricing in your response represents a percentage discount from MSRP or list, state the percentage or percentage range.	Our Sourcewell Pricing uses 3 different methods: 1. The CV515 uses a flat dollar discount of \$6000. 2. The eMV Chassis has no discount on the base chassis and uses a 24.5% list price discount on the options. 3. The rest of our models MV, HV, HX, RT, LT all use a list price discount on the total base and factory options. Discounts are listed by model below: <table><thead><tr><th>Model</th><th>List Discount</th><th>Options Only</th></tr></thead><tbody><tr><td>eMV607</td><td>24.5%</td><td></td></tr><tr><td>MV607</td><td>30.3%</td><td></td></tr><tr><td>MV607 LP</td><td>30.3%</td><td></td></tr><tr><td>HV507 4x2</td><td>30.1%</td><td></td></tr><tr><td>HV507 4x4</td><td>31.0%</td><td></td></tr><tr><td>HV507 6x4</td><td>31.0%</td><td></td></tr><tr><td>HV507 6x6</td><td>31.0%</td><td></td></tr><tr><td>HV607 4x2</td><td>30.1%</td><td></td></tr><tr><td>HV607 4x4</td><td>31.0%</td><td></td></tr><tr><td>HV607 6x4</td><td>31.0%</td><td></td></tr><tr><td>HV607 6x6</td><td>31.0%</td><td></td></tr><tr><td>HV513 4x2</td><td>47.8%</td><td></td></tr><tr><td>HV613 4x2</td><td>47.8%</td><td></td></tr><tr><td>HV513 6x4</td><td>48.2%</td><td></td></tr><tr><td>HV613 6x4</td><td>48.2%</td><td></td></tr><tr><td>HX520 /X15</td><td>49.1%</td><td></td></tr><tr><td>HX620 6x4 S-13</td><td>49.1%</td><td></td></tr><tr><td>HX620 6x4 X-15</td><td>49.1%</td><td></td></tr><tr><td>RH613 4x2</td><td>50.5%</td><td></td></tr><tr><td>RH613 6x4</td><td>50.5%</td><td></td></tr><tr><td>RH613 6x2</td><td>50.5%</td><td></td></tr><tr><td>LT625 4x2</td><td>51.1%</td><td></td></tr><tr><td>LT625 6x4</td><td>51.1%</td><td></td></tr><tr><td>LT625 6x4</td><td>51.1%</td><td></td></tr><tr><td>LT625 6x2</td><td>51.1%</td><td></td></tr></tbody></table> List prices appear on the sales proposal, and with the Sourcewell Sales Summary Sheet, clearly shows the Sourcewell Member they are getting the proper discounts as well as all items and charges in their proposal. There are 3 files with our Sourcewell Proposal. Each has multiple proposals with corresponding Sourcewell Sales Summary Sheets. As was mentioned earlier in the proposal, units going to a CARB state will need to have \$9000 added to the proposal for the additionally required CARB warranties. Availability diesel products in CARB states is very limited. Cummins is currently the only CARB certified power choice. Please discuss availability with International Dealer. We have not included FET as Government and non-profits are usually exempt. The federal government is NOT FET exempt.	Model	List Discount	Options Only	eMV607	24.5%		MV607	30.3%		MV607 LP	30.3%		HV507 4x2	30.1%		HV507 4x4	31.0%		HV507 6x4	31.0%		HV507 6x6	31.0%		HV607 4x2	30.1%		HV607 4x4	31.0%		HV607 6x4	31.0%		HV607 6x6	31.0%		HV513 4x2	47.8%		HV613 4x2	47.8%		HV513 6x4	48.2%		HV613 6x4	48.2%		HX520 /X15	49.1%		HX620 6x4 S-13	49.1%		HX620 6x4 X-15	49.1%		RH613 4x2	50.5%		RH613 6x4	50.5%		RH613 6x2	50.5%		LT625 4x2	51.1%		LT625 6x4	51.1%		LT625 6x4	51.1%		LT625 6x2	51.1%		*
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59	Describe any quantity or volume discounts or rebate programs that you offer.	International will offer the following volume incentives for New Trucks purchased: 5-19 units will receive a \$1500 volume discount retroactive to unit 1 20+ units will receive an additional \$1500 incentive (total \$3000) retroactive to unit 1 These can be different truck models, they do not have to be the same but do need to be purchases un the same calendar year. Used Trucks do not have volume incentives.	*																																																																														
60	Propose a method of facilitating "sourced" products or related services, which may be referred to as "open market" items or "nonstandard options". For example, you may supply such items "at cost" or "at cost plus a percentage," or you may supply a quote for each such request.	International dealers welcome "sourced" products as a truck isn't complete without the body and equipment to do the job. The majority of our government sales are turn-key and our dealers have great relationships with the TEM's and upfitters who provide additional equipment or modifications outside of the chassis assembly process. International Dealers can also include charging stations and related equipment for Electric Vehicles, along with the installation of that equipment. These items can be added to the members proposal with a handling fee not to exceed 5% of the cost of these goods and modifications. These items and the markup is clearly disclosed on the summary sheet the dealer provides the member with the proposal. In order to facilitate greater Sourcewell synergy with , when the dealer sources a body and equipment from a Sourcewell awarded contract holding TEM, the mark up will be limited to 4%.	*																																																																														
61	Identify any element of the total cost of acquisition that is NOT included in the pricing submitted with your response.	This is not common as our Sourcewell Sales Summary Sheet spells out any and all charges for the vehicle. Not every state or province works the same. Some states have inspection, sales tax and other legisated requirements. We do provide an area to include those items on the Sourcewell Sales Summary Sheet.	*																																																																														
62	If freight, delivery, or shipping is an additional cost to the Sourcewell participating entity, describe in detail the complete freight, shipping, and delivery program.	Within the lower 48 and in Canada, there is a flat fee for freight. That freight fee is included in every vehicle and covers freight to a mod center, TEM/body upfitter or the selling dealership. When the unit is ordered the selling dealer puts in the shipping instructions. Once the unit is built, they moved to the Navistar contracted carrier. When you unit arrives at the destination they are to be inspected and any issues are identified before the driveway driver departs	*																																																																														
63	Specifically describe freight, shipping, and delivery terms or programs available for Alaska, Hawaii, Canada, or any offshore delivery.	If the delivery of the vehicle is not accessable by a highway or road, and requires a ship or plane to move, those cost would need to be established with the selling dealer. That is why we like the sale and purchase to take place with the local dealer. They know how to get units to the final destination. Hawaii is not covered by our factory freight. Our dealer in San Diego is the dealer in Hawaii and they have the skills and resources to get the vehicles shipped.	*																																																																														
64	Describe any unique distribution and/or delivery methods or options offered in your proposal.	Delivery is traditionally done at the dealership for tractors or the TEM /body upfitter for units with the body installed. If the member is requesting a unique delivery requirement request that would need to be discussed and properly described and included in the pricing proposal.	*																																																																														

Table 12: Pricing Offered

Line Item	The Pricing Offered in this Proposal is: *	Comments
65	a. the same as the Proposer typically offers to an individual municipality, university, or school district.	Navistar has volume incentives and enhanced pricing actions to create winning solutions for the Sourcewell Members. We are between A and B.

Table 13: Audit and Administrative Fee

Line Item	Question	Response *
66	Specifically describe any self-audit process or program that you plan to employ to verify compliance with your proposed Contract with Sourcewell. This process includes ensuring that Sourcewell participating entities obtain the proper pricing, that the Vendor reports all sales under the Contract each quarter, and that the Vendor remits the proper administrative fee to Sourcewell. Provide sufficient detail to support your ability to report quarterly sales to Sourcewell as described in the Contract template.	With our current Sourcewell Contract 060920-NVS we worked with Sourcewell to streamline the process. the Sourcewell Sales Summary Sheet does a great job of spelling out all the ingredients of the sale. For dealers in the US, the dealer maintains the sales files, in the event of an Audit. In Canada, we have to lock in an exchange rate for currency when the dealer does their proposal. This requires paperwork to be submitted to the regional office before it gets quoted as well as signed paperwork back to the regional office before it is ordered. We have not experienced any issues with either method. Since our Sourcewell incentive is paid as a fixed dollar amount and not a percentage of the sale, we are not reporting the total vehicle sales amount.
67	If you are awarded a contract, provide a few examples of internal metrics that will be tracked to measure whether you are having success with the contract.	The best scorecard we get is from Sourcewell, showing us how we are doing versus our competitors. We want to be #1. We do track Sourcewell order and delivery progress every month in the Work Truck Business unit. It is the only customer specific metric in the deck. We solicit feedback from Sourcewell members that reach out to us for questions on the contract. We call out Sourcewell victories in a weekly summary of events. We are tracking electric vehicle opportunities as well.
68	Identify a proposed administrative fee that you will pay to Sourcewell for facilitating, managing, and promoting the Sourcewell Contract in the event that you are awarded a Contract. This fee is typically calculated as a percentage of Vendor's sales under the Contract or as a per-unit fee; it is not a line-item addition to the Member's cost of goods. (See the RFP and template Contract for additional details.)	Navistar is pleased to provide Sourcewell with the following administrative fees: 1. New International branded trucks \$1500 per unit paid quarterly 2. Used Trucks \$750 per unit paid quarterly

Table 14A: Depth and Breadth of Offered Equipment Products and Services

Proposers submitting a proposal in Category 1 as defined herein will be submitting in the broad category that includes all types of engines, fuel, and propulsion systems. For example, if a Proposer offers chassis and cabs with Internal Combustion Engines (ICE) as well as chassis and cabs with electric propulsion systems the Proposer should designate it is seeking an award in Category 1 **only**. Proposers seeking an award in Category 2, as defined herein, must include at least one solution offered within the scope of Category 2 for electric propulsion systems **only**.

Line Item	Category Selection *
69	Category 1: All engines, fuel, and propulsion type chassis and cabs

Table 14B: Depth and Breadth of Offered Equipment Products and Services

Line Item	Question	Response *
70	Provide a detailed description of the equipment, products, and services that you are offering in your proposal.	Class 8 Chassis Our Tractor Offering: • RH Tractor (Regional Haul) 4x2, 6x2, and 6x4 axle configurations, powered by International's S13 diesel engine. Cab configurations: Daycab and Sleeper. • LT Tractor (Long Haul) 4x2, 6x2, and 6x4 axle configurations, powered by International's S13 diesel engine and Cummins X-15 diesel engine. Cab configurations: Daycab and Sleeper. • HX Tractor (Heavy Haul) 6x4 and 8x6 axle configurations, powered by International's S13 diesel engine and Cummins X-15 diesel engine. Cab configurations: Daycab and Sleeper. • Future Offering eRH Electric Tractor (Calendar Year 2025 & 2026) 4x2 and 6x4 axle configurations, power by an electric motor with varying range capabilities. Future cab configurations: Daycab and Sleeper. In our Vocational Trucks and Tractors, we offer the following: • HV 507/607 offered in the following axle configurations: 4x2, 4x4, 6x4, & 6x6 with Cummins B6.7 and L9 diesel engines. Cab configurations: Daycab, Extended Cab, and Crew Cab • HV 513/613 offered in the following axle configurations: 4x2, 6x4, 6x6, and 8x6 with International's S13 diesel engine. Cab configurations: Daycab, Extended Cab, and Crew Cab • HX 520/620 offered in the following axle configuration's: 6x4 and 8x6 with International's S13 and Cummins X-15 diesel engines Class 7 Chassis • HV 507/607 offered in the following axle configurations: 4x2, & 4x4 with Cummins B6.7 and L9 diesel engines. Cab configurations: Daycab, Extended Cab, and Crew Cab • MV 607 offered in the following axle configurations: 4x2 with Cummins B6.7 and L9 diesel engines. Cab configurations: Daycab, Extended Cab, and Crew Cab Class 6 Chassis • MV 607 offered in the following axle configurations: 4x2 with Cummins B6.7 and L9 diesel engines. Cab configurations: Daycab, Extended Cab, and Crew Cab • CV offered in the following axle configurations: 4x2 and 4x4 with International 6.6L diesel engines. Cab configurations: Daycab and Crew Cab Class 5 Chassis • CV offered in the following axle configurations: 4x2 with International 6.6L diesel engines. Cab configurations: Daycab and Crew Cab Class 4 Chassis • CV offered in the following axle configurations: 4x2 with International 6.6L diesel engines. Cab configurations: Daycab and Crew Cab

71	Within this RFP category there may be subcategories of solutions. List subcategory titles that best describe your products and services.	International Trucks provides a diverse lineup of vehicles designed to meet various needs. Whether you're hauling heavy loads, navigating challenging terrains, or responding to emergencies, International has a truck for the job. There are 121 applications identified in our product line. Below are some of their notable offerings: • Utility Trucks: These trucks are dependable and designed to keep essential services running smoothly. From electricity to gas lines, they're built to handle critical tasks. • Concrete Mixers: For construction sites, these trucks can comfortably navigate rough terrain and take command of any project. • Construction Trucks: Built to last and lead, these trucks tackle unforgiving environments, tight deadlines, and tight budgets. • Crane Trucks: Ready for tough job sites, they offer dependable power, reliable drivetrains, and ergonomic cabs. • Dump Trucks: Loading, hauling, and dumping—these trucks take a beating and come back for more. • Fire & Rescue Trucks: With roomy cabs and gear space, International's emergency response vehicles lead the way when seconds count. • Heavy Haul Trucks: High torque, horsepower, and safety features make these trucks ideal for tough jobs. • Local Delivery Trucks: Fuel-efficient and maneuverable, they're more than just trucks—they're reliable partners. • Long Haul Trucks: Legendary fuel efficiency keeps more money in your pocket during those long routes. • Pick Up and Delivery Trucks: Proven reliability for getting goods delivered safely. • Snowplow Trucks: Durability, agility, and exceptional visibility for handling snow removal coupled with corrosion prevention, galvanized and stainless steel components where needed. • Streets & Sanitation Trucks: From potholes to recyclables, these trucks keep your city moving
72	Describe any manufacturing processes or materials utilized that contribute to chassis strength, cab strength, overall durability, driver safety.	• The HV™ models are built with double-sided galvanized steel cabs (galvaneal) for quality fit and finish and long-term protection from corrosion. Exterior features offered include a three-piece hood, breakaway mirrors, a stationary chrome grille that provides excellent radiator access and allows the hood to be opened over front mounted equipment, and integrated splash panels to protect the engine compartment. Batteries can be in the cab for easier servicing in harsh weather and to free up rail space for mounting other components. Chassis components are huck-bolted, providing durability and greater clamping load than a standard grade 8 bolt. Huck bolts will not loosen and will not need to be re-torqued, meaning they are maintenance free. An optional single 1/2" frame rail has the strength of a double rail but is lighter in weight and eliminates the chance of inter-rail corrosion. • The extreme duty HX Series cab features a high-quality steel design, delivering structural and interior enhancements. The new cab includes upgrades to deliver increased corrosion resistance and endurance in rugged applications, enhancements are: • Coated steel used in toe boards and floor panel for enhanced corrosion protection • Reinforced B-Pillars for cab-mounted exhaust • Line-X coating on interior cab floor and extending ~ 2 inches up all sides for improved corrosion protection. • The MV models are built with double-sided galvanized steel cabs for quality fit and finish and long-term protection from corrosion. Exterior features offered include a three-piece hood, breakaway mirrors, an optional stationary chrome grille that provides excellent radiator access and allows the hood to be opened over front mounted equipment, and integrated splash panels to protect the engine compartment. Chassis components are huck-bolted, providing durability and greater clamping load than a standard grade 8 bolt. Huck bolts will not loosen and will not need to be re-torqued, meaning they are maintenance free. • The LT Series was designed and tested to maximize uptime and reliability. Advanced prognostics, diagnostics and monitoring are available for some systems/ components. These prognostics can anticipate possible issues and provide alerts before a problem occurs, allowing for performance of needed service and avoidance of additional downtime. Optional diagnostics provide full text messages for quick and thorough assessment of issues so that the vehicle can get back on the road again. Items such as vehicle performance and driving behavior can also be monitored via the advanced electronics offered on the LT.
73	Describe any differentiating serviceability attributes (remote diagnostics, etc.) your proposal offers.	On Command Connection (OCC) is our industry-leading remote diagnostics solution supports all commercial truck makes and models* and transforms vehicle data into critical insights that help drive greater uptime and reduce total cost of ownership. *For most commercial vehicles powered by diesel engines, 2007 MY and later. • Fault Code Action Plans guide service technicians through every part and step of service required to address health issues and get your truck on the road. • Vehicle Health Reports are comprehensive health reports with links to critical vehicle performance and trip data, vehicle service history, open campaigns, active fault codes, and much more. • GPS mapping with nearby service centers, hotels, and more. • Identifies dealer on-hand inventory of needed parts. International 360 (i360) is our industry-leading service communications tool designed to accelerate the repair process, streamline communications with your dealer service center, and drive greater uptime. • Complete service information at your fingertips: • Seamless communications with dealers and up-to-date repair status • Complete VIN-based information: asset specs, complete parts catalog, remote health data, and more • Online service request initiation and estimate approvals. • Complete service history, up-to-date campaign information, and engine calibration status - Integration with parts inventory systems shows which dealer locations have the parts you need on the shelf now.

Table 15: Category 1 - Depth and Breadth of Offered Equipment Products and Services

Indicate below if the listed types or classes of equipment, products, and services are offered within your proposal. Provide additional comments in the text box provided, as necessary.

Proposers submitting a proposal in Category 1 will be submitting in the broad category that includes all types of engines, fuel, and propulsion systems. See RFP Section II. B. 1 for details.

☐ We will not be submitting for Table 15: Category 1 - Depth and Breadth of Offered Equipment Products and Services

Line Item	Category or Type	Offered *	Chassis Type (ICE and/or BEV)	Comments
74	Class 4 chassis	☒ Yes ☐ No	Internal Combustion Engine fuel types (ICE)	The International CV515 is a versatile commercial truck model with several notable attributes and features: Engine: It is powered by the International 6.6L V8 turbocharged diesel engine capable of producing 350 hp and 700 lb.-ft. of reliable torque. Versatility: The CV515 model is designed for upfitting, with a straight frame and a wide range of wheelbase options¹. It's ready to accept nearly any body — from dump, ambulance, snow plow and tow to refrigerator, utility, roll-back and more — without any special modifications and reinforcements Interior and Comfort: The truck features 3 Passenger seating, Power Windows/Locks/Mirrors, an AM/FM Stereo with Bluetooth capability, Cruise Control, and Air Conditioning. Safety: It includes Anti-Lock Brakes with Traction Control. Fuel Capacity: It has a 40-gallon fuel tank. Support: The CV Series is supported by the largest commercial dealer network in the industry.

75	Class 5 chassis	☒ Yes ☐ No	Internal Combustion Engine fuel types (ICE)	The International CV515 is a versatile commercial truck model with several notable attributes and features: Engine: It is powered by the International 6.6L V8 turbocharged diesel engine capable of producing 350 hp and 700 lb.-ft. of reliable torque. Versatility: The CV515 model is designed for upfitting, with a straight frame and a wide range of wheelbase options¹. It's ready to accept nearly any body — from dump, ambulance, snow plow and tow to refrigerator, utility, roll-back and more — without any special modifications and reinforcements Interior and Comfort: The truck features 3 Passenger seating, Power Windows/Locks/Mirrors, an AM/FM Stereo with Bluetooth capability, Cruise Control, and Air Conditioning. Safety: It includes Anti-Lock Brakes with Traction Control. Fuel Capacity: It has a 40-gallon fuel tank. Support: The CV Series is supported by the largest commercial dealer network in the industry.
76	Class 6 chassis	☒ Yes ☐ No	Internal Combustion Engine fuel types (ICE)	The International CV515 is a versatile commercial truck model with several notable attributes and features: Engine: It is powered by the International 6.6L V8 turbocharged diesel engine capable of producing 350 hp and 700 lb.-ft. of reliable torque. Versatility: The CV515 model is designed for upfitting, with a straight frame and a wide range of wheelbase options¹. It's ready to accept nearly any body — from dump, ambulance, snow plow and tow to refrigerator, utility, roll-back and more — without any special modifications and reinforcements Interior and Comfort: The truck features 3 Passenger seating, Power Windows/Locks/Mirrors, an AM/FM Stereo with Bluetooth capability, Cruise Control, and Air Conditioning. Safety: It includes Anti-Lock Brakes with Traction Control. Fuel Capacity: It has a 40-gallon fuel tank. Support: The CV Series is supported by the largest commercial dealer network in the industry.
77	Class 7 chassis	☒ Yes ☐ No	Both Chassis Types (ICE and BEV)	The International MV Series is a versatile and reliable medium-duty truck with several notable features and benefits: Engine: The MV Series is powered by Cummins B6.7 or L9 engines¹. Versatility: The MV Series is designed with multiple functional and visual features focusing on fuel efficiency, upfitter accessibility, and driver comfort². It offers virtually limitless upfit possibilities. Safety: The MV Series is equipped with optional safety features like Bendix® Wingman Fusion, and Bendix™ BlindSpotter®. These active safety features can help drivers reach their destinations safely. Driver Comfort: The MV Series features a Driver First™ interior. The new stalk shifter allows drivers to shift and apply the Jacobs brake without looking down. Uptime: Engine maintenance intervals are aligned and extended for fewer trips to the service department¹. The InterCoat® ChemGuard-coated floor panels with the optional LINE-X® coated interior floor can help defend against corrosive environments. Integration: The MV® Series is equipped with the Diamond Logic electrical system which provides the ability to customize to suit specific application needs, streamline the body installation process and add convenience for the driver. Configuration: The MV Series offers a range of configurations, including different cab options (Day Cab, Extended Cab, Crew Cab), wheelbase options, and a 4x2 or 6x4 axle configuration. GVWR Range: The Gross Vehicle Weight Rating (GVWR) of the International MV varies depending on the specific configuration, ranging from 20,000 to 54,600 lbs. These features make the International MV Series an excellent choice for a wide range of applications, including delivery, dump truck, landscaping, towing, utility, and snow plow

78	Class 8 chassis	Yes No	Internal Combustion Engine fuel types (ICE)	The International HV Series is a heavy-duty vocational truck with several notable features and attributes: Engine: The HV Series is powered by Cummins B6.7 or L9 engines¹. Versatility: The HV Series is designed with multiple functional and visual features focusing on fuel efficiency, driver comfort, and the versatility to meet the most demanding of vocational applications². Safety: The HV Series is equipped with optional safety features like Bendix® Wingman Fusion, and Bendix™ BlindSpotter®. Driver Comfort: The HV Series features a Driver First™ interior¹. The new stalk shifter allows drivers to shift and apply the Jacobs brake without looking down. Uptime: Engine maintenance intervals are aligned and extended for fewer trips to the service department.. Integration: The HV™ Series is equipped with the Diamond Logic® electrical system which provides the ability to customize to suit specific application needs, streamline the body installation process and add convenience for the driver. Configuration: The HV Series offers a range of configurations, including different cab options (Day Cab, Extended Cab, Crew Cab), wheelbase options, and a 4x2 or 6x4 axle configuration GVWR Range: The Gross Vehicle Weight Rating (GVWR) of the International HV varies depending on the specific configuration, ranging from 51,000 to 73,000 lbs. These features make the International HV Series an excellent choice for a wide range of applications, including concrete, construction, municipal, and utility The International HX Series is a heavy-duty vocational truck with several notable features and attributes: Engine: The HX Series is powered by the revolutionary International® S13 Integrated Powertrain, which includes the International® S13 Engine, International® T14 Transmission, and Dual Stage Aftertreatment system. Versatility: The HX Series is designed with features engineered to provide superior maneuverability and unrivaled driver visibility². It's built to endure, thrive, and dominate, making it the go-to option for the most demanding applications. Safety: The HX Series is equipped with optional safety features like Bendix® Wingman Fusion, and Bendix™ BlindSpotter®. Driver Comfort: The HX Series features a Driver First™ interior¹. The new stalk shifter allows drivers to shift and apply the Jacobs brake without looking down. Uptime: Over 100 years' experience building vocational trucks has resulted in a truck designed to be on the road and at the worksite, not in the service bay. Integration: The HX™ Series is equipped with the Diamond Logic® Electrical System which provides the ability to customize to suit specific application needs, streamline the body installation process and add convenience for the driver. Configuration: All HX® Series models are available in the following cab options: Day Cab, Sleeper Cab. It also offers automated manual, automatic, and manual transmission options. Applications: The HX Series is built to carry the load in various applications such as concrete, construction, heavy haul, and heavy wrecker. These features make the International HX Series an excellent choice for a wide range of applications The International LT Series is a heavy-duty truck with several notable features and attributes: Engine: The LT Series is powered by either the International® A26 engine or the Cummins® X15 engine¹². Fuel Efficiency: The LT Series equipped with the revolutionary International® S13 Integrated Powertrain may see up to a 15%* gain in fuel economy over the first-generation International® A26². Safety: Standard Bendix® Wingman® Fusion™ Collision Mitigation System and Predictive Cruise Control for greater fuel efficiency and lower operating costs. Transmission: Available Eaton Endurant™ transmission delivers best-in-class service intervals, smooth shifting, and lightweight design¹². Cab Options: All LT Series models are available in the following cab options: Day Cab, 56" High-Rise Sleeper. GVWR: The Gross Vehicle Weight Rating (GVWR) of the International LT varies from 32,000 to 96,000 lbs³. Axle Configurations: The LT Series offers 4x2, 6x4, and 6x2 axle configurations. Brakes: The LT Series is equipped with Air Drum Brakes with ABS with Optional Automatic Traction Control and Electronic Stability Control. These features make the International LT Series an excellent choice for a wide range of applications². Please note that actual customer results may vary due to various factors, including but not limited to, truck specifications, weight of the vehicle, predictive features, environmental conditions, etc
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79	Related equipment, accessories, parts, upfitting, services, used chassis and Class 3 chassis	☒ Yes ☐ No	Both Chassis Types (ICE and BEV)	When you need a new truck, but can't wait 2 years to get one, a Certified Used Truck can fill that need. International has 16 Company owned locations and 696 dealer locations that can sell this product. These units are fleet maintained and recent off rental, off lease trucks that are available immediately. As with our new chassis, these units can get bodies and equipment added to them using the same turn key process was created for new trucks. There are 240 TEM's that are part of the International Diamond Partner Program making body installation and upfitting easier. Diamond Logic Electrical System as described earlier in the RFP provides Plug and Play capabilities for the TEM while providing hundreds of safety and time saving features for the end operator of the Truck. On Command Connection, a telematic system that comes standard with every MV, HV, HX, RH and LT. Allows fleet managers to track vehicle systems with app on their phone displaying health history of the vehicle and interacting with dealer and fleet to minimize down time and maximize operation. International also holds a Parts Contract with Sourcewell and an IC Bus Contract with Sourcewell. Fleet Charge allows Sourcewell members to get great discounts, consolidated billing, 30 days terms and access to many special parts programs that are no charge. All a member has to do is sign up for Fleet Charge.
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Table 16: Category 2 - Depth and Breadth of Offered Equipment Products and Services

Indicate below if the listed types or classes of equipment, products, and services are offered within your proposal. Provide additional comments in the text box provided, as necessary.

Proposers seeking an award in Category 2, as defined herein, must include at least one solution offered within the scope of Category 2 for electric propulsion systems **only**. See RFP Section II. B. 1 for details.

☒ We will not be submitting for Table 16: Category 2 - Depth and Breadth of Offered Equipment Products and Services

Line Item	Category or Type	Offered *	Comments	
80	Battery Electric Vehicle (BEV) Class 4 Chassis	☐ Yes ☒ No	Not Available at this time	*
81	Battery Electric Vehicle (BEV) Class 5 Chassis	☐ Yes ☒ No	Not Available at this time	*
82	Battery Electric Vehicle (BEV) Class 6 Chassis	☐ Yes ☒ No	Not available at this time	*
83	Battery Electric Vehicle (BEV) Class 7 Chassis	☒ Yes ☐ No	The International eMV Series is an electric commercial truck with several notable features and attributes: Range: The eMV has a typical range of 135 miles. Power: The peak power of the eMV is 342hp, provided by a 210 kWh Lithium Iron Phosphate (LFP) battery. Regenerative Braking: The eMV features 3 levels of regenerative braking. Acceleration: The acceleration of the eMV is equal to or better than diesel. Battery Thermal Management System (BTMS): The eMV uses a standard red coolant for its BTMS. Maintenance: The eMV requires lower maintenance compared to diesel. Charging Solutions: Turn-key charging solutions are available from the International Zero Emissions Team. These features make the International eMV Series an excellent choice for a wide range of applications. Please note that actual range is based on environmental conditions, driving behaviors, diminishing loads, and maximum use of regenerative braking.	*
84	Battery Electric Vehicle (BEV) Class 8 Chassis	☒ Yes ☐ No	We are putting a place holder here for future Tractor and Severe Duty Truck.	*
85	Related equipment, accessories, parts, upfitting, services, used chassis and Class 3 chassis	☒ Yes ☐ No	Purchasing an electric commercial vehicle begins with making sure you have enough power at your facility to charge the unit. International has consultants that work with the local dealer to get you started on the right path. International also has a team of people who work on grants and funding for electric vehicles to make your transition easier. Our application engineers and Diamond Logic team are also there to help the TEM upfit the truck. We offer In-Charge branded Charging Stations in our price pages and have a partnership with the Quanta, the largest utility construction company in North America, to help Sourcewell members get proper power to the property and connect charging stations. With CARB and EPA requirements, it is estimated that 50% of commercial trucks and buses will be electric by 2030. With a \$1 Billion EPA Clean Truck Program launching after this RFP, what better time to start EV Journey.	

Table 17: Exceptions to Terms, Conditions, or Specifications Form

Line Item 86. NOTICE: To identify any exception, or to request any modification, to Sourcewell standard Contract terms, conditions, or specifications, a Proposer must submit the proposed exception(s) or requested modification(s) via redline in the Contract Template provided in the "Bid Documents" section. Proposer must upload the redline in the "Requested Exceptions" upload field. All exceptions and/or proposed modifications are subject to review and approval by Sourcewell and will not automatically be included in the Contract.

Do you have exceptions or modifications to propose?	Acknowledgement *
	☐ Yes ☒ No

Documents

Ensure your submission document(s) conforms to the following:

- Documents in PDF format are preferred. Documents in Word, Excel, or compatible formats may also be provided.
- Documents should NOT have a security password, as Sourcewell may not be able to open the file. It is your sole responsibility to ensure that the uploaded document(s) are not either defective, corrupted or blank and that the documents can be opened and viewed by Sourcewell.
- Sourcewell may reject any response where any document(s) cannot be opened and viewed by Sourcewell.

4. If you need to upload more than one (1) document for a single item, you should combine the documents into one zipped file. If the zipped file contains more than one (1) document, ensure each document is named, in relation to the submission format item responding to. For example, if responding to the Marketing Plan category save the document as "Marketing Plan."

- [Pricing](#) - Navistar Sourcewell RFP Sales Proposals 3.27.24.pdf - Wednesday March 27, 2024 17:33:16
- Financial Strength and Stability (optional)
- [Marketing Plan/Samples](#) - Marketing Sourcewell 3.24.pdf - Thursday March 28, 2024 08:26:33
- WMBE/MBE/SBE or Related Certificates (optional)
- [Warranty Information](#) - Sourcewell New Truck Warranty info and Used Truck Warranty 032824 Navistar.pdf - Thursday March 28, 2024 11:07:24
- [Standard Transaction Document Samples](#) - Sourcewell 032824 International Truck Specs and Sourcewell Sales Summary Sheets 3.28.24.pdf - Thursday March 28, 2024 09:57:35
- Requested Exceptions (optional)
- [Upload Additional Document](#) - Navistar EV Dealers and Map of Sales and Service Locations as of 3.24.pdf - Thursday March 28, 2024 09:04:20

Addenda, Terms and Conditions

PROPOSER AFFIDAVIT AND ASSURANCE OF COMPLIANCE

I certify that I am the authorized representative of the Proposer submitting the foregoing Proposal with the legal authority to bind the Proposer to this Affidavit and Assurance of Compliance:

- 1. The Proposer is submitting this Proposal under its full and complete legal name, and the Proposer legally exists in good standing in the jurisdiction of its residence.
- 2. The Proposer warrants that the information provided in this Proposal is true, correct, and reliable for purposes of evaluation for contract award.
- 3. The Proposer, including any person assisting with the creation of this Proposal, has arrived at this Proposal independently and the Proposal has been created without colluding with any other person, company, or parties that have or will submit a proposal under this solicitation; and the Proposal has in all respects been created fairly without any fraud or dishonesty. The Proposer has not directly or indirectly entered into any agreement or arrangement with any person or business in an effort to influence any part of this solicitation or operations of a resulting contract; and the Proposer has not taken any action in restraint of free trade or competitiveness in connection with this solicitation. Additionally, if Proposer has worked with a consultant on the Proposal, the consultant (an individual or a company) has not assisted any other entity that has submitted or will submit a proposal for this solicitation.
- 4. To the best of its knowledge and belief, and except as otherwise disclosed in the Proposal, there are no relevant facts or circumstances which could give rise to an organizational conflict of interest. An organizational conflict of interest exists when a vendor has an unfair competitive advantage or the vendor's objectivity in performing the contract is, or might be, impaired.
- 5. The contents of the Proposal have not been communicated by the Proposer or its employees or agents to any person not an employee or legally authorized agent of the Proposer and will not be communicated to any such persons prior to Due Date of this solicitation.
- 6. If awarded a contract, the Proposer will provide to Sourcewell Participating Entities the equipment, products, and services in accordance with the terms, conditions, and scope of a resulting contract.
- 7. The Proposer possesses, or will possess before delivering any equipment, products, or services, all applicable licenses or certifications necessary to deliver such equipment, products, or services under any resulting contract.
- 8. The Proposer agrees to deliver equipment, products, and services through valid contracts, purchase orders, or means that are acceptable to Sourcewell Members. Unless otherwise agreed to, the Proposer must provide only new and first-quality products and related services to Sourcewell Members under an awarded Contract.
- 9. The Proposer will comply with all applicable provisions of federal, state, and local laws, regulations, rules, and orders.
- 10. The Proposer understands that Sourcewell will reject RFP proposals that are marked "confidential" (or "nonpublic," etc.), either substantially or in their entirety. Under Minnesota Statutes Section 13.591, subdivision 4, all proposals are considered nonpublic data until the evaluation is complete and a Contract is awarded. At that point, proposals become public data. Minnesota Statutes Section 13.37 permits only certain narrowly defined data to be considered a "trade secret," and thus nonpublic data under Minnesota's Data Practices Act.
- 11. Proposer its employees, agents, and subcontractors are not:
 - 1. Included on the "Specially Designated Nationals and Blocked Persons" list maintained by the Office of Foreign Assets Control of the United States Department of the Treasury found at: <https://www.treasury.gov/ofac/downloads/ndnlist.pdf>;
 - 2. Included on the government-wide exclusions lists in the United States System for Award Management found at: <https://sam.gov/SAM/>; or
 - 3. Presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from programs operated by the State of Minnesota; the United States federal government or the Canadian government, as applicable; or any Participating Entity. Vendor certifies and warrants that neither it nor its principals have been convicted of a criminal offense related to the subject matter of this solicitation.

☒ By checking this box I acknowledge that I am bound by the terms of the Proposer's Affidavit, have the legal authority to submit this Proposal on behalf of the Proposer, and that this electronic acknowledgment has the same legal effect, validity, and enforceability as if I had hand signed the Proposal. This signature will not be denied such legal effect, validity, or enforceability solely because an electronic signature or electronic record was used in its formation. - Bob Mann, Vice President, Government Sales and Diamond Logic Builder, Navistar, Inc

The Proposer declares that there is an actual or potential Conflict of Interest relating to the preparation of its submission, and/or the Proposer foresees an actual or potential Conflict of Interest in performing the contractual obligations contemplated in the bid.

☒ Yes ☐ No

The Bidder acknowledges and agrees that the addendum/addenda below form part of the Bid Document.
Check the box in the column "I have reviewed this addendum" below to acknowledge each of the addenda.

File Name	I have reviewed the below addendum and attachments (if applicable)	Pages
Addendum_7_Class 4-8 Chassis and Cabs _RFP_032824 Thu March 21 2024 08:45 AM	☒	1
Addendum_6_Class 4-8 Chassis and Cabs _RFP_032824 Wed March 20 2024 12:36 PM	☒	3
Addendum_5_Class 4-8 Chassis and Cabs _RFP_032824 Mon March 18 2024 12:01 PM	☒	1
Addendum_4_Class 4-8 Chassis and Cabs _RFP_032824 Wed March 6 2024 09:38 AM	☒	1
Addendum_3_Class 4-8 Chassis and Cabs _RFP_032824 Wed February 21 2024 04:08 PM	☒	2
Addendum_2_Class 4-8 Chassis and Cabs _RFP_032824 Wed February 14 2024 04:12 PM	☒	1
Addendum_1_Class 4-8 Chassis and Cabs _RFP_032824 Thu February 8 2024 04:24 PM	☒	1

AMENDMENT #1
TO
CONTRACT # 032824-NVS

THIS AMENDMENT, effective upon the date of the last signature below, is by and between **Sourcewell** and **Navistar, Inc. (n/k/a International Motors, LLC)**, 75 Fountain St., Suite 310, Providence, RI 02902 (Supplier).

Sourcewell awarded a contract to the Supplier to provide Class 4-8 Chassis and Cabs with Related Equipment, Accessories, and Services to Sourcewell and its Participating Entities, effective July 2, 2024, through July 9, 2028 (Contract).

Navistar Inc. has rebranded and changed its name and street address to the following:
International Motors, LLC, a Delaware entity d/b/a International Motors USA LLC in Illinois, Missouri, New Jersey, Ohio, and Utah, having a principal place of business at 2701 International Drive, Lisle, IL 60532.

Sourcewell acknowledges Supplier’s current rebranding efforts, and has agreed to amend the Contract to accommodate the new corporate name, International Motors, LLC.

Except as amended, the Contract remains in full force and effect.

Sourcewell
Signed by:
By: Jeremy Schwartz
C0FD2A139D06489...
Jeremy Schwartz, Chief Procurement Officer
Date: 10/8/2024 | 9:00 PM CDT

International Motors. LLC*
Signed by:
By: Bob Mann
28B63357778A47E...
Name: Bob Mann
Title: Vice President Government Sales
Date: 10/8/2024 | 5:52 PM CDT

*International Motors, LLC d/b/a International Motors USA LLC in Illinois, Missouri, New Jersey, Ohio, and Utah.

AMENDMENT #2
TO
CONTRACT # 032824-NVS

THIS AMENDMENT is effective upon the date of the last signature below by and between **Sourcewell** and **International Motors, LLC**, d/b/a International Motors USA LLC in Illinois, Missouri, New Jersey, Ohio, and Utah. (Supplier).

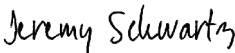
Sourcewell awarded a contract to the Supplier to provide Class 4-8 Chassis and Cabs with Related Equipment, Accessories, and Services to Sourcewell and its Participating Entities, effective July 2, 2024, through July 9, 2028 (Contract).

The parties wish to amend the contract to update Suppliers pricing strategy.

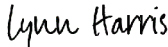
NOW, THEREFORE, the parties amend the Contract as follows:

Delete Line 60 in its entirety and replace it with:
Percentage discount will vary by product category, but ranges from 3% to 20% off MSRP. In addition to our parts discount, and in response to customer demand, we recognize that our customer base would like to have their supporting International® Truck dealer provide maintenance, repair, and/or fleet management services in conjunction with parts purchases. Pricing for these services shall be determined on a case-by-case basis and will be submitted in advance to Sourcewell for review and approval through the established Pricing and Proposal (P&P) process prior to commencement of any such services.

Except as amended by this Amendment, the Contract remains in full force and effect.

Sourcewell
Signed by:

By: C0FD2A139D06489...

Jeremy Schwartz
Chief Operating Officer
5/21/2025 | 7:12 PM CDT
Date: _____

International Motors, LLC
Signed by:

By: DAD537995B974F7...

Lynn Harris
National Accounts Sales Director
5/23/2025 | 9:40 AM CDT
Date: _____

**Solicitation Number: RFP #110421****CONTRACT**

This Contract is between Sourcewell, 202 12th Street Northeast, P.O. Box 219, Staples, MN 56479 (Sourcewell) and The Charles Machine Works, Inc., 1959 West Fir Ave., Perry, OK 73077 (Supplier).

Sourcewell is a State of Minnesota local government unit and service cooperative created under the laws of the State of Minnesota (Minnesota Statutes Section 123A.21) that offers cooperative procurement solutions to government entities. Participation is open to eligible federal, state/province, and municipal governmental entities, higher education, K-12 education, nonprofit, tribal government, and other public entities located in the United States and Canada. Sourcewell issued a public solicitation for Public Utility Equipment with Related Accessories and Supplies from which Supplier was awarded a contract.

Supplier desires to contract with Sourcewell to provide equipment, products, or services to Sourcewell and the entities that access Sourcewell's cooperative purchasing contracts (Participating Entities).

1. TERM OF CONTRACT

- A. **EFFECTIVE DATE.** This Contract is effective upon the date of the final signature below.
- B. **EXPIRATION DATE AND EXTENSION.** This Contract expires December 27, 2025, unless it is cancelled sooner pursuant to Article 22. This Contract may be extended one additional year upon the request of Sourcewell and written agreement by Supplier.
- C. **SURVIVAL OF TERMS.** Notwithstanding any expiration or termination of this Contract, all payment obligations incurred prior to expiration or termination will survive, as will the following: Articles 11 through 14 survive the expiration or cancellation of this Contract. All other rights will cease upon expiration or termination of this Contract.

2. EQUIPMENT, PRODUCTS, OR SERVICES

- A. **EQUIPMENT, PRODUCTS, OR SERVICES.** Supplier will provide the Equipment, Products, or Services as stated in its Proposal submitted under the Solicitation Number listed above.

Supplier's Equipment, Products, or Services Proposal (Proposal) is attached and incorporated into this Contract.

All Equipment and Products provided under this Contract must be new and the current model. Supplier may offer close-out or refurbished Equipment or Products if they are clearly indicated in Supplier's product and pricing list. Unless agreed to by the Participating Entities in advance, Equipment or Products must be delivered as operational to the Participating Entity's site.

This Contract offers an indefinite quantity of sales, and while substantial volume is anticipated, sales and sales volume are not guaranteed.

B. **WARRANTY.** Supplier warrants that all Equipment, Products, and Services furnished are free from liens and encumbrances, and are free from defects in design, materials, and workmanship. In addition, Supplier warrants the Equipment, Products, and Services are suitable for and will perform in accordance with the ordinary use for which they are intended for the duration of Supplier's written warranty for such item. Other than the warranties in this paragraph, and Supplier's express written warranties for its products, Supplier expressly disclaims all other warranties, express or implied. Supplier agrees to work with its dealers and distributors to assist the Participating Entity in reaching a resolution in any dispute over warranty terms with the manufacturer. Any manufacturer's warranty that is effective beyond the expiration of the Supplier's warranty will be passed on to the Participating Entity.

C. **DEALERS, DISTRIBUTORS, AND/OR RESELLERS.** Upon Contract execution and throughout the Contract term, Supplier must provide to Sourcewell a current means to validate or authenticate Supplier's authorized dealers, distributors, or resellers relative to the Equipment, Products, and Services offered under this Contract, which will be incorporated into this Contract by reference. It is the Supplier's responsibility to ensure Sourcewell receives the most current information.

3. PRICING

All Equipment, Products, or Services under this Contract will be priced at or below the price stated in Supplier's Proposal.

When providing pricing quotes to Participating Entities, all pricing quoted must reflect a Participating Entity's total cost of acquisition. This means that the quoted cost is for delivered Equipment, Products, and Services that are operational for their intended purpose, and includes all costs to the Participating Entity's requested delivery location.

Regardless of the payment method chosen by the Participating Entity, the total cost associated with any purchase option of the Equipment, Products, or Services must always be disclosed in the pricing quote to the applicable Participating Entity at the time of purchase.

A. **SHIPPING AND SHIPPING COSTS.** All delivered Equipment and Products must be properly packaged. Damaged Equipment and Products may be rejected. If the damage is not readily apparent at the time of delivery, Supplier must permit the Equipment and Products to be returned within a reasonable time at no cost to Sourcewell or its Participating Entities. Participating Entities reserve the right to inspect the Equipment and Products at a reasonable time after delivery where circumstances or conditions prevent effective inspection of the Equipment and Products at the time of delivery. In the event of the delivery of nonconforming Equipment and Products, the Participating Entity will notify the Supplier as soon as possible and the Supplier will replace nonconforming Equipment and Products with conforming Equipment and Products that are acceptable to the Participating Entity.

Supplier must arrange for and pay for the return shipment on Equipment and Products that arrive in a defective or inoperable condition.

Sourcewell may declare the Supplier in breach of this Contract if the Supplier intentionally delivers substandard or inferior Equipment or Products.

B. **SALES TAX.** Each Participating Entity is responsible for supplying the Supplier with valid tax-exemption certification(s). When ordering, a Participating Entity must indicate if it is a tax-exempt entity.

C. **HOT LIST PRICING.** At any time during this Contract, Supplier may offer a specific selection of Equipment, Products, or Services at discounts greater than those listed in the Contract. When Supplier determines it will offer Hot List Pricing, it must be submitted electronically to Sourcewell in a line-item format. Equipment, Products, or Services may be added or removed from the Hot List at any time through a Sourcewell Price and Product Change Form as defined in Article 4 below.

Hot List program and pricing may also be used to discount and liquidate close-out and discontinued Equipment and Products as long as those close-out and discontinued items are clearly identified as such. Current ordering process and administrative fees apply. Hot List Pricing must be published and made available to all Participating Entities.

4. PRODUCT AND PRICING CHANGE REQUESTS

Supplier may request Equipment, Product, or Service changes, additions, or deletions at any time. All requests must be made in writing by submitting a signed Sourcewell Price and Product Change Request Form to the assigned Sourcewell Supplier Development Administrator. This approved form is available from the assigned Sourcewell Supplier Development Administrator. At a minimum, the request must:

- Identify the applicable Sourcewell contract number;

- Clearly specify the requested change;
- Provide sufficient detail to justify the requested change;
- Individually list all Equipment, Products, or Services affected by the requested change, along with the requested change (e.g., addition, deletion, price change); and
- Include a complete restatement of pricing documentation in Microsoft Excel with the effective date of the modified pricing, or product addition or deletion. The new pricing restatement must include all Equipment, Products, and Services offered, even for those items where pricing remains unchanged.

A fully executed Sourcewell Price and Product Change Request Form will become an amendment to this Contract and will be incorporated by reference.

5. PARTICIPATION, CONTRACT ACCESS, AND PARTICIPATING ENTITY REQUIREMENTS

A. PARTICIPATION. Sourcewell's cooperative contracts are available and open to public and nonprofit entities across the United States and Canada; such as federal, state/province, municipal, K-12 and higher education, tribal government, and other public entities.

The benefits of this Contract should be available to all Participating Entities that can legally access the Equipment, Products, or Services under this Contract. A Participating Entity's authority to access this Contract is determined through its cooperative purchasing, interlocal, or joint powers laws. Any entity accessing benefits of this Contract will be considered a Service Member of Sourcewell during such time of access. Supplier understands that a Participating Entity's use of this Contract is at the Participating Entity's sole convenience and Participating Entities reserve the right to obtain like Equipment, Products, or Services from any other source.

Supplier is responsible for familiarizing its sales and service forces with Sourcewell contract use eligibility requirements and documentation and will encourage potential participating entities to join Sourcewell. Sourcewell reserves the right to add and remove Participating Entities to its roster during the term of this Contract.

B. PUBLIC FACILITIES. Supplier's employees may be required to perform work at government-owned facilities, including schools. Supplier's employees and agents must conduct themselves in a professional manner while on the premises, and in accordance with Participating Entity policies and procedures, and all applicable laws.

6. PARTICIPATING ENTITY USE AND PURCHASING

A. ORDERS AND PAYMENT. To access the contracted Equipment, Products, or Services under this Contract, a Participating Entity must clearly indicate to Supplier that it intends to access this Contract; however, order flow and procedure will be developed jointly between Sourcewell and Supplier. Typically, a Participating Entity will issue an order directly to Supplier or its authorized

subsidiary, distributor, dealer, or reseller. If a Participating Entity issues a purchase order, it may use its own forms, but the purchase order should clearly note the applicable Sourcewell contract number. All Participating Entity orders under this Contract must be issued prior to expiration or cancellation of this Contract; however, Supplier performance, Participating Entity payment obligations, and any applicable warranty periods or other Supplier or Participating Entity obligations may extend beyond the term of this Contract.

Supplier's acceptable forms of payment are included in its attached Proposal. Participating Entities will be solely responsible for payment and Sourcewell will have no liability for any unpaid invoice of any Participating Entity.

B. ADDITIONAL TERMS AND CONDITIONS/PARTICIPATING ADDENDUM. Additional terms and conditions to a purchase order, or other required transaction documentation, may be negotiated between a Participating Entity and Supplier, such as job or industry-specific requirements, legal requirements (e.g., affirmative action or immigration status requirements), or specific local policy requirements. Some Participating Entities may require the use of a Participating Addendum; the terms of which will be negotiated directly between the Participating Entity and the Supplier. Any negotiated additional terms and conditions must never be less favorable to the Participating Entity than what is contained in this Contract.

C. SPECIALIZED SERVICE REQUIREMENTS. In the event that the Participating Entity requires service or specialized performance requirements not addressed in this Contract (such as e-commerce specifications, specialized delivery requirements, or other specifications and requirements), the Participating Entity and the Supplier may enter into a separate, standalone agreement, apart from this Contract. Sourcewell, including its agents and employees, will not be made a party to a claim for breach of such agreement.

D. TERMINATION OF ORDERS. Participating Entities may terminate an order, in whole or in part, immediately upon notice to Supplier in the event of any of the following events:

1. The Participating Entity fails to receive funding or appropriation from its governing body at levels sufficient to pay for the equipment, products, or services to be purchased; or
2. Federal, state, or provincial laws or regulations prohibit the purchase or change the Participating Entity's requirements.

E. GOVERNING LAW AND VENUE. The governing law and venue for any action related to a Participating Entity's order will be determined by the Participating Entity making the purchase.

7. CUSTOMER SERVICE

A. PRIMARY ACCOUNT REPRESENTATIVE. Supplier will assign an Account Representative to Sourcewell for this Contract and must provide prompt notice to Sourcewell if that person is changed. The Account Representative will be responsible for:

- Maintenance and management of this Contract;
- Timely response to all Sourcewell and Participating Entity inquiries; and
- Business reviews to Sourcewell and Participating Entities, if applicable.

B. BUSINESS REVIEWS. Supplier must perform a minimum of one business review with Sourcewell per contract year. The business review will cover sales to Participating Entities, pricing and contract terms, administrative fees, sales data reports, supply issues, customer issues, and any other necessary information.

8. REPORT ON CONTRACT SALES ACTIVITY AND ADMINISTRATIVE FEE PAYMENT

A. CONTRACT SALES ACTIVITY REPORT. Each calendar quarter, Supplier must provide a contract sales activity report (Report) to the Sourcewell Supplier Development Administrator assigned to this Contract. Reports are due no later than 45 days after the end of each calendar quarter. A Report must be provided regardless of the number or amount of sales during that quarter (i.e., if there are no sales, Supplier must submit a report indicating no sales were made).

The Report must contain the following fields:

- Participating Entity Name (e.g., City of Staples Highway Department);
- Participating Entity Physical Street Address;
- Participating Entity City;
- Participating Entity State/Province;
- Participating Entity Zip/Postal Code;
- Participating Entity Contact Name;
- Participating Entity Contact Email Address;
- Participating Entity Contact Telephone Number;
- Sourcewell Assigned Entity/Participating Entity Number;
- Item Purchased Description;
- Item Purchased Price;
- Sourcewell Administrative Fee Applied; and
- Date Purchase was invoiced/sale was recognized as revenue by Supplier.

B. ADMINISTRATIVE FEE. In consideration for the support and services provided by Sourcewell, the Supplier will pay an administrative fee to Sourcewell on all Equipment, Products, and Services provided to Participating Entities. The Administrative Fee must be included in, and not added to, the pricing. Supplier may not charge Participating Entities more than the contracted price to offset the Administrative Fee.

The Supplier will submit payment to Sourcewell for the percentage of administrative fee stated in the Proposal multiplied by the total sales of all Equipment, Products, and Services purchased by Participating Entities under this Contract during each calendar quarter. Payments should note the Supplier's name and Sourcewell-assigned contract number in the memo; and must be mailed to the address above "Attn: Accounts Receivable" or remitted electronically to Sourcewell's banking institution per Sourcewell's Finance department instructions. Payments must be received no later than 45 calendar days after the end of each calendar quarter.

Supplier agrees to cooperate with Sourcewell in auditing transactions under this Contract to ensure that the administrative fee is paid on all items purchased under this Contract.

In the event the Supplier is delinquent in any undisputed administrative fees, Sourcewell reserves the right to cancel this Contract and reject any proposal submitted by the Supplier in any subsequent solicitation. In the event this Contract is cancelled by either party prior to the Contract's expiration date, the administrative fee payment will be due no more than 30 days from the cancellation date.

9. AUTHORIZED REPRESENTATIVE

Sourcewell's Authorized Representative is its Chief Procurement Officer.

Supplier's Authorized Representative is the person named in the Supplier's Proposal. If Supplier's Authorized Representative changes at any time during this Contract, Supplier must promptly notify Sourcewell in writing.

10. AUDIT, ASSIGNMENT, AMENDMENTS, WAIVER, AND CONTRACT COMPLETE

A. **AUDIT.** Pursuant to Minnesota Statutes Section 16C.05, subdivision 5, the books, records, documents, and accounting procedures and practices relevant to this Agreement are subject to examination by Sourcewell or the Minnesota State Auditor for a minimum of six years from the end of this Contract. This clause extends to Participating Entities as it relates to business conducted by that Participating Entity under this Contract.

B. **ASSIGNMENT.** Neither party may assign or otherwise transfer its rights or obligations under this Contract without the prior written consent of the other party and a fully executed assignment agreement. Such consent will not be unreasonably withheld. Any prohibited assignment will be invalid.

C. **AMENDMENTS.** Any amendment to this Contract must be in writing and will not be effective until it has been duly executed by the parties.

D. **WAIVER.** Failure by either party to take action or assert any right under this Contract will not be deemed a waiver of such right in the event of the continuation or repetition of the

circumstances giving rise to such right. Any such waiver must be in writing and signed by the parties.

E. **CONTRACT COMPLETE.** This Contract represents the complete agreement between the parties. No other understanding regarding this Contract, whether written or oral, may be used to bind either party. For any conflict between the attached Proposal and the terms set out in Articles 1-22 of this Contract, the terms of Articles 1-22 will govern.

F. **RELATIONSHIP OF THE PARTIES.** The relationship of the parties is one of independent contractors, each free to exercise judgment and discretion with regard to the conduct of their respective businesses. This Contract does not create a partnership, joint venture, or any other relationship such as master-servant, or principal-agent.

11. INDEMNITY AND HOLD HARMLESS

Supplier must indemnify, defend, save, and hold Sourcewell and its Participating Entities, including their agents and employees, harmless from any claims or causes of action, including attorneys' fees incurred by Sourcewell or its Participating Entities, arising out of any act or omission in the performance of this Contract by the Supplier or its agents or employees; this indemnification includes injury or death to person(s) or property alleged to have been caused by some defect in the Equipment, Products, or Services under this Contract to the extent the Equipment, Product, or Service has been used according to its specifications and operating instructions. Sourcewell's responsibility will be governed by the State of Minnesota's Tort Liability Act (Minnesota Statutes Chapter 466) and other applicable law.

12. GOVERNMENT DATA PRACTICES

Supplier and Sourcewell must comply with the Minnesota Government Data Practices Act, Minnesota Statutes Chapter 13, as it applies to all data provided by or provided to Sourcewell under this Contract and as it applies to all data created, collected, received, stored, used, maintained, or disseminated by the Supplier under this Contract.

13. INTELLECTUAL PROPERTY, PUBLICITY, MARKETING, AND ENDORSEMENT

A. INTELLECTUAL PROPERTY

1. *Grant of License.* During the term of this Contract:

- a. Sourcewell grants to Supplier a royalty-free, worldwide, non-exclusive right and license to use the trademark(s) provided to Supplier by Sourcewell in advertising and promotional materials for the purpose of marketing Sourcewell's relationship with Supplier.
- b. Supplier grants to Sourcewell a royalty-free, worldwide, non-exclusive right and license to use Supplier's trademarks in advertising and promotional materials for the purpose of marketing Supplier's relationship with Sourcewell.

2. *Limited Right of Sublicense.* The right and license granted herein includes a limited right of each party to grant sublicenses to their respective subsidiaries, distributors, dealers, resellers, marketing representatives, and agents (collectively “Permitted Sublicensees”) in advertising and promotional materials for the purpose of marketing the Parties’ relationship to Participating Entities. Any sublicense granted will be subject to the terms and conditions of this Article. Each party will be responsible for any breach of this Article by any of their respective sublicensees.

3. *Use; Quality Control.*

- a. Neither party may alter the other party’s trademarks from the form provided and must comply with removal requests as to specific uses of its trademarks or logos.
- b. Each party agrees to use, and to cause its Permitted Sublicensees to use, the other party’s trademarks only in good faith and in a dignified manner consistent with such party’s use of the trademarks. Upon written notice to the breaching party, the breaching party has 30 days of the date of the written notice to cure the breach or the license will be terminated.

4. As applicable, Supplier agrees to indemnify and hold harmless Sourcewell and its Participating Entities against any and all suits, claims, judgments, and costs instituted or recovered against Sourcewell or Participating Entities by any person on account of the use of any Equipment or Products by Sourcewell or its Participating Entities supplied by Supplier in violation of applicable patent or copyright laws.

5. *Termination.* Upon the termination of this Contract for any reason, each party, including Permitted Sublicensees, will have 30 days to remove all Trademarks from signage, websites, and the like bearing the other party’s name or logo (excepting Sourcewell’s pre-printed catalog of suppliers which may be used until the next printing). Supplier must return all marketing and promotional materials, including signage, provided by Sourcewell, or dispose of it according to Sourcewell’s written directions.

B. **PUBLICITY.** Any publicity regarding the subject matter of this Contract must not be released without prior written approval from the Authorized Representatives. Publicity includes notices, informational pamphlets, press releases, research, reports, signs, and similar public notices prepared by or for the Supplier individually or jointly with others, or any subcontractors, with respect to the program, publications, or services provided resulting from this Contract.

C. **MARKETING.** Any direct advertising, marketing, or offers with Participating Entities must be approved by Sourcewell. Send all approval requests to the Sourcewell Supplier Development Administrator assigned to this Contract.

D. **ENDORSEMENT.** The Supplier must not claim that Sourcewell endorses its Equipment, Products, or Services.

14. GOVERNING LAW, JURISDICTION, AND VENUE

The substantive and procedural laws of the State of Minnesota will govern this Contract. Venue for all legal proceedings arising out of this Contract, or its breach, must be in the appropriate state court in Todd County, Minnesota or federal court in Fergus Falls, Minnesota.

15. FORCE MAJEURE

Neither party to this Contract will be held responsible for delay or default caused by acts of God or other conditions that are beyond that party's reasonable control. A party defaulting under this provision must provide the other party prompt written notice of the default.

16. SEVERABILITY

If any provision of this Contract is found by a court of competent jurisdiction to be illegal, unenforceable, or void then both parties will be relieved from all obligations arising from that provision. If the remainder of this Contract is capable of being performed, it will not be affected by such determination or finding and must be fully performed.

17. PERFORMANCE, DEFAULT, AND REMEDIES

A. **PERFORMANCE.** During the term of this Contract, the parties will monitor performance and address unresolved contract issues as follows:

1. *Notification.* The parties must promptly notify each other of any known dispute and work in good faith to resolve such dispute within a reasonable period of time. If necessary, Sourcewell and the Supplier will jointly develop a short briefing document that describes the issue(s), relevant impact, and positions of both parties.
2. *Escalation.* If parties are unable to resolve the issue in a timely manner, as specified above, either Sourcewell or Supplier may escalate the resolution of the issue to a higher level of management. A party will have 30 calendar days to cure an outstanding issue.
3. *Performance while Dispute is Pending.* Notwithstanding the existence of a dispute, the Supplier must continue without delay to carry out all of its responsibilities under the Contract that are not affected by the dispute. If the Supplier fails to continue without delay to perform its responsibilities under the Contract, in the accomplishment of all undisputed work, the Supplier will bear any additional costs incurred by Sourcewell and/or its Participating Entities as a result of such failure to proceed.

B. **DEFAULT AND REMEDIES.** Either of the following constitutes cause to declare this Contract, or any Participating Entity order under this Contract, in default:

1. Nonperformance of contractual requirements, or
2. A material breach of any term or condition of this Contract.

The party claiming default must provide written notice of the default, with 30 calendar days to cure the default. Time allowed for cure will not diminish or eliminate any liability for liquidated or other damages. If the default remains after the opportunity for cure, the non-defaulting party may:

- Exercise any remedy provided by law or equity, or
- Terminate the Contract or any portion thereof, including any orders issued against the Contract.

18. INSURANCE

A. REQUIREMENTS. At its own expense, Supplier must maintain insurance policy(ies) in effect at all times during the performance of this Contract with insurance company(ies) licensed or authorized to do business in the State of Minnesota having an "AM BEST" rating of A- or better, with coverage and limits of insurance not less than the following:

1. *Workers' Compensation and Employer's Liability.*

Workers' Compensation: As required by any applicable law or regulation.

Employer's Liability Insurance: must be provided in amounts not less than listed below:

Minimum limits:

\$500,000 each accident for bodily injury by accident

\$500,000 policy limit for bodily injury by disease

\$500,000 each employee for bodily injury by disease

2. *Commercial General Liability Insurance.* Supplier will maintain insurance covering its operations, with coverage on an occurrence basis, and must be subject to terms no less broad than the Insurance Services Office ("ISO") Commercial General Liability Form CG0001 (2001 or newer edition), or equivalent. At a minimum, coverage must include liability arising from premises, operations, bodily injury and property damage, independent contractors, products-completed operations including construction defect, contractual liability, blanket contractual liability, and personal injury and advertising injury. All required limits, terms and conditions of coverage must be maintained during the term of this Contract.

Minimum Limits:

\$1,000,000 each occurrence Bodily Injury and Property Damage

\$1,000,000 Personal and Advertising Injury

\$2,000,000 aggregate for Products-Completed operations

\$2,000,000 general aggregate

3. *Commercial Automobile Liability Insurance.* During the term of this Contract, Supplier will maintain insurance covering all owned, hired, and non-owned automobiles in limits of liability not less than indicated below. The coverage must be subject to terms

no less broad than ISO Business Auto Coverage Form CA 0001 (2010 edition or newer), or equivalent.

Minimum Limits:

\$1,000,000 each accident, combined single limit

4. *Umbrella Insurance*. During the term of this Contract, Supplier will maintain umbrella coverage over Employer's Liability, Commercial General Liability, and Commercial Automobile.

Minimum Limits:

\$2,000,000

5. *Network Security and Privacy Liability Insurance*. During the term of this Contract, Supplier will maintain coverage for network security and privacy liability. The coverage may be endorsed on another form of liability coverage or written on a standalone policy. The insurance must cover claims which may arise from failure of Supplier's security resulting in, but not limited to, computer attacks, unauthorized access, disclosure of not public data – including but not limited to, confidential or private information, transmission of a computer virus, or denial of service.

Minimum limits:

\$2,000,000 per occurrence

\$2,000,000 annual aggregate

Failure of Supplier to maintain the required insurance will constitute a material breach entitling Sourcewell to immediately terminate this Contract for default.

B. CERTIFICATES OF INSURANCE. Prior to commencing under this Contract, Supplier must furnish to Sourcewell a certificate of insurance, as evidence of the insurance required under this Contract. Prior to expiration of the policy(ies), renewal certificates must be mailed to Sourcewell, 202 12th Street Northeast, P.O. Box 219, Staples, MN 56479 or sent to the Sourcewell Supplier Development Administrator assigned to this Contract. The certificates must be signed by a person authorized by the insurer(s) to bind coverage on their behalf.

Failure to request certificates of insurance by Sourcewell, or failure of Supplier to provide certificates of insurance, in no way limits or relieves Supplier of its duties and responsibilities in this Contract.

C. ADDITIONAL INSURED ENDORSEMENT AND PRIMARY AND NON-CONTRIBUTORY INSURANCE CLAUSE. Supplier agrees to list Sourcewell and its Participating Entities, including their officers, agents, and employees, as an additional insured under the Supplier's commercial general liability insurance policy with respect to liability arising out of activities, "operations," or "work" performed by or on behalf of Supplier, and products and completed operations of Supplier. The policy provision(s) or endorsement(s) must further provide that coverage is

primary and not excess over or contributory with any other valid, applicable, and collectible insurance or self-insurance in force for the additional insureds.

D. **WAIVER OF SUBROGATION.** Supplier waives and must require (by endorsement or otherwise) all its insurers to waive subrogation rights against Sourcewell and other additional insureds for losses paid under the insurance policies required by this Contract or other insurance applicable to the Supplier or its subcontractors. The waiver must apply to all deductibles and/or self-insured retentions applicable to the required or any other insurance maintained by the Supplier or its subcontractors. Where permitted by law, Supplier must require similar written express waivers of subrogation and insurance clauses from each of its subcontractors.

E. **UMBRELLA/EXCESS LIABILITY/SELF-INSURED RETENTION.** The limits required by this Contract can be met by either providing a primary policy or in combination with umbrella/excess liability policy(ies), or self-insured retention.

19. COMPLIANCE

A. **LAWS AND REGULATIONS.** All Equipment, Products, or Services provided under this Contract must comply fully with applicable federal laws and regulations, and with the laws in the states and provinces in which the Equipment, Products, or Services are sold.

B. **LICENSES.** Supplier must maintain a valid and current status on all required federal, state/provincial, and local licenses, bonds, and permits required for the operation of the business that the Supplier conducts with Sourcewell and Participating Entities.

20. BANKRUPTCY, DEBARMENT, OR SUSPENSION CERTIFICATION

Supplier certifies and warrants that it is not in bankruptcy or that it has previously disclosed in writing certain information to Sourcewell related to bankruptcy actions. If at any time during this Contract Supplier declares bankruptcy, Supplier must immediately notify Sourcewell in writing.

Supplier certifies and warrants that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from programs operated by the State of Minnesota; the United States federal government or the Canadian government, as applicable; or any Participating Entity. Supplier certifies and warrants that neither it nor its principals have been convicted of a criminal offense related to the subject matter of this Contract. Supplier further warrants that it will provide immediate written notice to Sourcewell if this certification changes at any time.

21. PROVISIONS FOR NON-UNITED STATES FEDERAL ENTITY PROCUREMENTS UNDER UNITED STATES FEDERAL AWARDS OR OTHER AWARDS

Participating Entities that use United States federal grant or FEMA funds to purchase goods or services from this Contract may be subject to additional requirements including the procurement standards of the Uniform Administrative Requirements, Cost Principles and Audit Requirements for Federal Awards, 2 C.F.R. § 200. Participating Entities may have additional requirements based on specific funding source terms or conditions. Within this Article, all references to “federal” should be interpreted to mean the United States federal government. The following list only applies when a Participating Entity accesses Supplier’s Equipment, Products, or Services with United States federal funds.

A. **EQUAL EMPLOYMENT OPPORTUNITY.** Except as otherwise provided under 41 C.F.R. § 60, all contracts that meet the definition of “federally assisted construction contract” in 41 C.F.R. § 60-1.3 must include the equal opportunity clause provided under 41 C.F.R. §60-1.4(b), in accordance with Executive Order 11246, “Equal Employment Opportunity” (30 FR 12319, 12935, 3 C.F.R. §, 1964-1965 Comp., p. 339), as amended by Executive Order 11375, “Amending Executive Order 11246 Relating to Equal Employment Opportunity,” and implementing regulations at 41 C.F.R. § 60, “Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor.” The equal opportunity clause is incorporated herein by reference.

B. **DAVIS-BACON ACT, AS AMENDED (40 U.S.C. § 3141-3148).** When required by federal program legislation, all prime construction contracts in excess of \$2,000 awarded by non-federal entities must include a provision for compliance with the Davis-Bacon Act (40 U.S.C. § 3141-3144, and 3146-3148) as supplemented by Department of Labor regulations (29 C.F.R. § 5, “Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction”). In accordance with the statute, contractors must be required to pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor. In addition, contractors must be required to pay wages not less than once a week. The non-federal entity must place a copy of the current prevailing wage determination issued by the Department of Labor in each solicitation. The decision to award a contract or subcontract must be conditioned upon the acceptance of the wage determination. The non-federal entity must report all suspected or reported violations to the federal awarding agency. The contracts must also include a provision for compliance with the Copeland “Anti-Kickback” Act (40 U.S.C. § 3145), as supplemented by Department of Labor regulations (29 C.F.R. § 3, “Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States”). The Act provides that each contractor or subrecipient must be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled. The non-federal entity must report all suspected or reported violations to the federal awarding agency. Supplier must be in compliance with all applicable Davis-Bacon Act provisions.

C. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT (40 U.S.C. § 3701-3708). Where applicable, all contracts awarded by the non-federal entity in excess of \$100,000 that involve the employment of mechanics or laborers must include a provision for compliance with 40 U.S.C. §§ 3702 and 3704, as supplemented by Department of Labor regulations (29 C.F.R. § 5). Under 40 U.S.C. § 3702 of the Act, each contractor must be required to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. The requirements of 40 U.S.C. § 3704 are applicable to construction work and provide that no laborer or mechanic must be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence. This provision is hereby incorporated by reference into this Contract. Supplier certifies that during the term of an award for all contracts by Sourcewell resulting from this procurement process, Supplier must comply with applicable requirements as referenced above.

D. RIGHTS TO INVENTIONS MADE UNDER A CONTRACT OR AGREEMENT. If the federal award meets the definition of “funding agreement” under 37 C.F.R. § 401.2(a) and the recipient or subrecipient wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental, or research work under that “funding agreement,” the recipient or subrecipient must comply with the requirements of 37 C.F.R. § 401, “Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements,” and any implementing regulations issued by the awarding agency. Supplier certifies that during the term of an award for all contracts by Sourcewell resulting from this procurement process, Supplier must comply with applicable requirements as referenced above.

E. CLEAN AIR ACT (42 U.S.C. § 7401-7671Q.) AND THE FEDERAL WATER POLLUTION CONTROL ACT (33 U.S.C. § 1251-1387). Contracts and subgrants of amounts in excess of \$150,000 require the non-federal award to agree to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. § 7401- 7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. § 1251- 1387). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA). Supplier certifies that during the term of this Contract will comply with applicable requirements as referenced above.

F. DEBARMENT AND SUSPENSION (EXECUTIVE ORDERS 12549 AND 12689). A contract award (see 2 C.F.R. § 180.220) must not be made to parties listed on the government wide exclusions in the System for Award Management (SAM), in accordance with the OMB guidelines at 2 C.F.R. § 180 that implement Executive Orders 12549 (3 C.F.R. § 1986 Comp., p. 189) and 12689 (3 C.F.R. § 1989 Comp., p. 235), “Debarment and Suspension.” SAM Exclusions contains the names

of parties debarred, suspended, or otherwise excluded by agencies, as well as parties declared ineligible under statutory or regulatory authority other than Executive Order 12549. Supplier certifies that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation by any federal department or agency.

G. BYRD ANTI-LOBBYING AMENDMENT, AS AMENDED (31 U.S.C. § 1352). Suppliers must file any required certifications. Suppliers must not have used federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any federal contract, grant, or any other award covered by 31 U.S.C. § 1352. Suppliers must disclose any lobbying with non-federal funds that takes place in connection with obtaining any federal award. Such disclosures are forwarded from tier to tier up to the non-federal award. Suppliers must file all certifications and disclosures required by, and otherwise comply with, the Byrd Anti-Lobbying Amendment (31 U.S.C. § 1352).

H. RECORD RETENTION REQUIREMENTS. To the extent applicable, Supplier must comply with the record retention requirements detailed in 2 C.F.R. § 200.333. The Supplier further certifies that it will retain all records as required by 2 C.F.R. § 200.333 for a period of 3 years after grantees or subgrantees submit final expenditure reports or quarterly or annual financial reports, as applicable, and all other pending matters are closed.

I. ENERGY POLICY AND CONSERVATION ACT COMPLIANCE. To the extent applicable, Supplier must comply with the mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act.

J. BUY AMERICAN PROVISIONS COMPLIANCE. To the extent applicable, Supplier must comply with all applicable provisions of the Buy American Act. Purchases made in accordance with the Buy American Act must follow the applicable procurement rules calling for free and open competition.

K. ACCESS TO RECORDS (2 C.F.R. § 200.336). Supplier agrees that duly authorized representatives of a federal agency must have access to any books, documents, papers and records of Supplier that are directly pertinent to Supplier's discharge of its obligations under this Contract for the purpose of making audits, examinations, excerpts, and transcriptions. The right also includes timely and reasonable access to Supplier's personnel for the purpose of interview and discussion relating to such documents.

L. PROCUREMENT OF RECOVERED MATERIALS (2 C.F.R. § 200.322). A non-federal entity that is a state agency or agency of a political subdivision of a state and its contractors must comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation

and Recovery Act. The requirements of Section 6002 include procuring only items designated in guidelines of the Environmental Protection Agency (EPA) at 40 C.F.R. § 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition, where the purchase price of the item exceeds \$10,000 or the value of the quantity acquired during the preceding fiscal year exceeded \$10,000; procuring solid waste management services in a manner that maximizes energy and resource recovery; and establishing an affirmative procurement program for procurement of recovered materials identified in the EPA guidelines.

M. FEDERAL SEAL(S), LOGOS, AND FLAGS. The Supplier not use the seal(s), logos, crests, or reproductions of flags or likenesses of Federal agency officials without specific pre-approval.

N. NO OBLIGATION BY FEDERAL GOVERNMENT. The U.S. federal government is not a party to this Contract or any purchase by an Participating Entity and is not subject to any obligations or liabilities to the Participating Entity, Supplier, or any other party pertaining to any matter resulting from the Contract or any purchase by an authorized user.

O. PROGRAM FRAUD AND FALSE OR FRAUDULENT STATEMENTS OR RELATED ACTS. The Contractor acknowledges that 31 U.S.C. 38 (Administrative Remedies for False Claims and Statements) applies to the Supplier's actions pertaining to this Contract or any purchase by a Participating Entity.

P. FEDERAL DEBT. The Supplier certifies that it is non-delinquent in its repayment of any federal debt. Examples of relevant debt include delinquent payroll and other taxes, audit disallowance, and benefit overpayments.

Q. CONFLICTS OF INTEREST. The Supplier must notify the U.S. Office of General Services, Sourcewell, and Participating Entity as soon as possible if this Contract or any aspect related to the anticipated work under this Contract raises an actual or potential conflict of interest (as described in 2 C.F.R. Part 200). The Supplier must explain the actual or potential conflict in writing in sufficient detail so that the U.S. Office of General Services, Sourcewell, and Participating Entity are able to assess the actual or potential conflict; and provide any additional information as necessary or requested.

R. U.S. EXECUTIVE ORDER 13224. The Supplier, and its subcontractors, must comply with U.S. Executive Order 13224 and U.S. Laws that prohibit transactions with and provision of resources and support to individuals and organizations associated with terrorism.

S. PROHIBITION ON CERTAIN TELECOMMUNICATIONS AND VIDEO SURVEILLANCE SERVICES OR EQUIPMENT. To the extent applicable, Supplier certifies that during the term of this Contract it will comply with applicable requirements of 2 C.F.R. § 200.216.

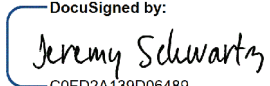
T. DOMESTIC PREFERENCES FOR PROCUREMENTS. To the extent applicable, Supplier certifies that during the term of this Contract will comply with applicable requirements of 2 C.F.R. § 200.322.

22. CANCELLATION

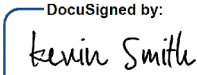
Sourcewell or Supplier may cancel this Contract at any time, with or without cause, upon 60 days' written notice to the other party. However, Sourcewell may cancel this Contract immediately upon discovery of a material defect in any certification made in Supplier's Proposal. Cancellation of this Contract does not relieve either party of financial, product, or service obligations incurred or accrued prior to cancellation.

Sourcewell

The Charles Machine Works, Inc.

DocuSigned by:

By: C0FD2A139D06489...
Jeremy Schwartz
Title: Chief Procurement Officer

Date: 12/20/2021 | 2:14 PM CST

DocuSigned by:

By: FB68493E7FA542A...
Kevin Smith
Title: General Manager, Ditch Witch
Construction

Date: 1/11/2022 | 8:19 AM CST

Approved:

DocuSigned by:

By: 7E42B8F817A64CC...
Chad Coauette
Title: Executive Director/CEO

Date: 1/11/2022 | 8:23 AM CST

RFP 110421 - Public Utility Equipment with Related Accessories and Supplies

Vendor Details

Company Name: The Charles Machine Works, Inc.

Does your company conduct business under any other name? If yes, please state: Ditch Witch

Address: 1959 W. Fir Ave.
Perry, OK 73077

Contact: Mike Spillars

Email: mike.spillars@ditchwitch.com

Phone: 580-572-2390

HST#: 73-0660844

Submission Details

Created On: Monday September 20, 2021 11:50:01

Submitted On: Wednesday November 03, 2021 13:03:54

Submitted By: Mike Spillars

Email: mike.spillars@ditchwitch.com

Transaction #: 3702aa94-7bb8-4d80-b5f8-bf3388129774

Submitter's IP Address: 205.142.232.18

Specifications**Table 1: Proposer Identity & Authorized Representatives**

General Instructions (applies to all Tables) Sourcewell prefers a brief but thorough response to each question. Do not merely attach additional documents to your response without also providing a substantive response. Do not leave answers blank; respond "N/A" if the question does not apply to you (preferably with an explanation).

Line Item	Question	Response *	
1	Proposer Legal Name (one legal entity only): (In the event of award, will execute the resulting contract as "Supplier")	The Charles Machine Works, Inc.	*
2	Identify all subsidiary entities of the Proposer whose equipment, products, or services are included in the Proposal.	Hammerhead Trenchless, American Augers, Subsite Electronics	*
3	Identify all applicable assumed names or DBA names of the Proposer or Proposer's subsidiaries in Line 1 or Line 2 above.	Ditch Witch, Hammerhead Moles, Subsite.	*
4	Proposer Physical Address:	1959 West Fir Ave. Perry, OK 73077	*
5	Proposer website address (or addresses):	www.ditchwitch.com	*
6	Proposer's Authorized Representative (name, title, address, email address & phone) (The representative must have authority to sign the "Proposer's Assurance of Compliance" on behalf of the Proposer and, in the event of award, will be expected to execute the resulting contract):	Kevin Smith General Manager, Ditch Witch Construction 1959 West Fir Ave. Perry, OK 73077 ksmith@ditchwitch.com PH: 920 648 4820	*
7	Proposer's primary contact for this proposal (name, title, address, email address & phone):	Mike Spillars Corporate Accounts Manager 1959 West Fir Ave. Perry, OK 73077 mike.spillars@ditchwitch.com 580-572-2390	*
8	Proposer's other contacts for this proposal, if any (name, title, address, email address & phone):	Todd Miller Sr. Inside Sales Representative 1959 West Fir Ave. Perry, OK 73077 todd.miller@ditchwitch.com 580-572-3365	

Table 2: Company Information and Financial Strength

Line Item	Question	Response *	
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9	Provide a brief history of your company, including your company's core values, business philosophy, and industry longevity related to the requested equipment, products or services.	The Charles Machine Works (Ditch Witch) was a privately held company from 1949 until being acquired by The Toro Company in early 2019 and became the Ditch Witch division of Toro. Ditch Witch® is the premier manufacturer of Underground Construction Equipment that addresses needs in several markets like Utilities, Utility Contractors, Pipeline Contractors, Telcom Industry, Rental Industry, Government and Infrastructure, to name a few. The products offered are Trenchers, Vibratory Plows, Compact Utility Equipment, Directional Drills, Vacuum Excavation, HammerHead® Pneumatic Tools, as well as Subsite® Utility Locating/HDD Guidance Electronics. We invented the first compact utility line trencher 69 years ago and are partnered with a specialist Ditch Witch® dealer organization, which is the envy of the industry. Our vision is to provide the best solutions for success in the underground construction market worldwide by delivering a superior customer experience. Our Core Values are: Integrity above all things; Pride as individuals and a company; Care for our families, our fellow workers, our community, our customers, and the world in which we live; A Pioneering Spirit that drives our aggressiveness and innovation. Since its inception the Charles Machine Works has remained focused on the underground utility market while we worked to continuously expand and strengthen our support of this market by continuously leading the industry in underground equipment such as directional drills, underground moles and sub terrain electronics. All if the Ditch Witch products are manufactured and shipped from our manufacturing facilities in Perry Oklahoma. A large majority of the employees at Ditch Witch live in and around the community and therefore we take pride in the quality of the products that we produce. Our longevity in the market place is rooted in our ability to form a relationship between the factory and our customers by insuring that our Region Managers spend a minimum of two weeks per month in the field with our dealers talking and interacting with our end customers. Of course this schedule has been hampered with Covid-19 travel restriction in the last 18 month. We will however resume a similar schedule as Covid restrictions ease. Please note that where possible all answers are specific to The Charles Machine Works, Ditch Witch, Subsite and Hammerhead brands. However, certain answers must include The Toro Company. Examples of these answers are in questions which are in regards to but not limited to company financial statements, market share, sustainability awards, etc. We have tried to be as specific as possible in our answers.
10	What are your company's expectations in the event of an award?	To continue to grow our business with members of Sourcewell, as we have done with our current contract. We work with our network of Ditch Witch® dealers and their sales personnel to promote the Sourcewell contract to all Government, Education and Non-Profit organizations within their contracted areas of responsibility and to incrementally grow our sales of Ditch Witch and related products using the Sourcewell contract.
11	Demonstrate your financial strength and stability with meaningful data. This could include such items as financial statements, SEC filings, credit and bond ratings, letters of credit, and detailed reference letters. Upload supporting documents (as applicable) in the document upload section of your response.	The Charles Machine Works (Ditch Witch) is a wholly owned subsidiary of The Toro Company and as such attached is The Toro Company's Form 10-Q filing with the United States Security and Exchange Commission. The filing of the Quarterly Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934. The Form 10-Q is a 53 page public statement of finances and outlook of our company. A thorough review of the filing will reveal a company that has a history of strong financial performance. There is also a demonstrated history of growing our business both in terms of organic growth and through acquisition of complementary companies that will enhance our current product offerings.
12	What is your US market share for the solutions that you are proposing?	Since our parent company (The Toro Company) is publicly traded we are not allowed to divulge market share information. Ditch Witch has enjoyed a very healthy market share in all of the markets that we participate and are offering in this proposal. Our market share has led the name of Ditch Witch to become synonymous with the underground utility market.
13	What is your Canadian market share for the solutions that you are proposing?	Since our parent company (The Toro Company) is publicly traded we are not allowed to divulge market share information. Ditch Witch has enjoyed a very healthy market share in all of the markets that we participate and are offering in this proposal. Our market share has led the name of Ditch Witch to become synonymous with the underground utility market.
14	Has your business ever petitioned for bankruptcy protection? If so, explain in detail.	NO
15	How is your organization best described: is it a manufacturer, a distributor/dealer/reseller, or a service provider? Answer whichever question (either a) or b) just below) best applies to your organization. a) If your company is best described as a distributor/dealer/reseller (or similar entity), provide your written authorization to act as a distributor/dealer/reseller for the manufacturer of the products proposed in this RFP. If applicable, is your dealer network independent or company owned? b) If your company is best described as a manufacturer or service provider, describe your relationship with your sales and service force and with your dealer network in delivering the products and services proposed in this RFP. Are these individuals your employees, or the employees of a third party?	The Charles Machine Works, Inc. (Ditch Witch) is best described as a Manufacturer. We have programs in place that are national in scope in which our specialist Ditch Witch® dealership organization preps and delivers the equipment to a customer who has purchased through the program. We invoice the Sourcewell customer from the manufacturer and fund our dealers for the sale of the equipment. Our dealers are private entities and as such local sales and service professionals are employed by the local dealers. That said, Ditch Witch has Region Sales Managers and Service Managers that work closely with the local dealer and customers in all areas of sales and service of our equipment.

16	If applicable, provide a detailed explanation outlining the licenses and certifications that are both required to be held, and actually held, by your organization (including third parties and subcontractors that you use) in pursuit of the business contemplated by this RFP.	Ditch Witch family of products are designed and built in the United States and are built to comply with all applicable voluntary safety and environmental standards. This includes ISO, Construction Equipment, Exhaust and Evaporative standards set by the EPA (Environmental Protection Agency) and the California Air Resources Board (CARB). The Charles Machine Works has a manufacturer's license in our home state of Oklahoma as well as a license to sell used vehicles. We also hold licenses to sell vehicles in the following states. Arizona, California, Nebraska, Utah, Tennessee, Florida and Ohio. For our products that are sold with trailers we hold a new and used trailer dealer license in the State of Oklahoma. IN addition to the licenses owned by The Charles Machine Works the contracted Ditch Witch dealers all hold the appropriate licenses and certifications necessary to sell and service the Charles Machine works family of products in the States and Provinces for which they independently operate. Ditch Witch also requires its factory sales personnel and dealer sales personnel to complete a very robust sales and service schools via the Ditch Witch Certified Training Programs.
17	Provide all "Suspension or Debarment" information that has applied to your organization during the past ten years.	The Charles Machine Works has not been under any suspension or debarment in the past 10 years.

Table 3: Industry Recognition & Marketplace Success

Line Item	Question	Response *
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18	Describe any relevant industry awards or recognition that your company has received in the past five years	Ditch Witch Awards, 2016-2021 2016 Innovative Iron Award, Compact Equipment: CX-Series walk-behind trencher - The CX-Series walk-behind trencher line was selected as a winner of Compact Equipment Magazine's Innovative Iron Award for its cutting-edge short track/long track design. 2016 Editor's Choice Award, Rental Magazine: CX-Series walk-behind trencher - The CX-Series walk-behind trencher line was selected for an Editor's Choice Award for its Magazine's Innovative Iron Award for its short track/long track design. 2016 Contractor's Top 50 New Products Award, Equipment Today: SK752 stand-on skid steer - The SK752 was selected as one of the top 50 new products for contractors of 2016 by Equipment Today, which cited the machine's construction-grade durability and high operating capacity compared to similar models. 2017 Innovative Iron Award, Compact Equipment: SK1550 stand-on skid steer - The SK1550 was selected as an Innovative Iron Award winner from Compact Equipment due to the machine's exceptional power compared to similar models. 2017 Abbot Most Innovative Product Award, NASTT: JT40 horizontal directional drill - The JT40 horizontal directional drill was selected by the NASTT as the most innovative new product of 2017. 2017 Editor's Choice Award, Rental Magazine: SK1550 stand-on skid steer - The SK1550 was selected by Rental Magazine as an editor's choice award winner for its best-in-class operating capacity and construction-grade durability. Twenty for 2017 Award Winner, Landscape Business: SK1550 stand-on skid steer - The SK1550 was selected as one of the 20 top new products of 2017 in the landscaping industry. 2018 Contractor's Top 50 New Products Award, Equipment Today: SK1550 stand-on skid steer - The SK1550 was selected as one of the top 50 new products for contractors of 2018 by Equipment Today due to its best-in-class operating capacity. 2018 Big Iron Dealer Award Finalist, Equipment World: Ditch Witch of Oklahoma, Arkansas and the Rockies - Ditch Witch of Oklahoma, Arkansas and the Rockies was named as a finalist for the Big Iron Dealer Award from Equipment Today. The award honors the top equipment dealers in the country for community engagement, customer education, staff training and marketing initiatives, along with sales, rental and service performance. 2019 Innovative Iron Award, Innovative Iron Award: SK3000 full-size stand-on skid steer - The SK3000 full-size stand-on skid steer was named as an Innovative Iron Award winner from Compact Equipment, which cited the machines' best-in-class operating capacity. 2019 Big Iron Dealer Award Finalist, Equipment World: Orange Power Group, Ditch Witch Dealership - The Orange Power Group was named as a finalist for the Big Iron Dealer Award from Equipment Today. The award honors the top equipment dealers in the country for community engagement, customer education, staff training and marketing initiatives, along with sales, rental and service performance. 2019 Editor's Choice Award, Green Industry Pros: Ditch Witch Family of SKs - The Ditch Witch line of stand-on skid steers was selected by Green Industry Pros for a 2019 Editor's Choice Award. Twenty for 2020 Award, Landscape Business: SK3000 full-size stand-on skid steer - The SK3000 was selected as one of the 20 top new products of 2020 in the landscaping industry. 2020 Editor's Choice Award, Green Industry Pros: SK3000 full-size stand-on skid steer - The SK3000 was selected by Green Industry Pros for a 2019 Editor's Choice Award. 2021 Editor's Choice Award, Rental Magazine: SK3000 full-size stand-on skid steer - Rental Magazine selected the SK3000 as an editor's choice award winner for 2021, honoring the year's top products in the rental industry 2021 Abbot Most Innovative Product Award, NASTT: JT24 horizontal directional drill - The JT24 was selected by the NASTT as one of three finalists for the most innovative new product of 2021.
19	What percentage of your sales are to the governmental sector in the past three years	As a publicly traded company our parent company The Toro Company considers this type of customer information as confidential. However, per our publicly filed Form 10-Q revenues through Q3 for FY 2021 by market segment are as follows. Net Sales by Segment: Professional 73% Residential 26% Other 1%
20	What percentage of your sales are to the education sector in the past three years	As a publicly traded company our parent company The Toro Company considers this type of customer information as confidential. However, per our publicly filed Form 10-Q revenues through Q3 for FY 2021 by market segment are as follows. Net Sales by Segment: Professional 73% Residential 26% Other 1%
21	List any state, provincial, or cooperative purchasing contracts that you hold. What is the annual sales volume for each of these contracts over the past three years?	Sourcewell Public Utility Contract is the only Cooperative contract awarded to The Charles Machine Works. However, our products are sold though both an HGAC and Buy Board contract that is administered by a third party who handles the pricing, quoting, invoicing and any audits requested.. Sourcewell is our premier cooperative contract and is the only contract that Ditch Witch conducts dealer training and markets with our dealer network. Note: As a publicly traded company the detailed sales information for each contract is considered confidential.

22	List any GSA contracts or Standing Offers and Supply Arrangements (SOSA) that you hold. What is the annual sales volume for each of these contracts over the past three years?	The Charles Machine Works does not hold a GSA contract but like HGAC and Buy Board our products are sold on a GSA contract that is administered through a third party. Note: As a publicly traded company the detailed sales information for each contract is considered confidential.	*
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Table 4: References/Testimonials

Line Item 23. Supply reference information from three customers who are eligible to be Sourcewell participating entities.

Entity Name *	Contact Name *	Phone Number *	
City of Berthoud	Brandon Keegan	970-980-4410	*
City of Jeffersonville	John Walling	502-551-1305	*
Augusta County Service Authority	Chuck Butler	540-487-9440	*

Table 5: Top Five Government or Education Customers

Line Item 24. Provide a list of your top five government, education, or non-profit customers (entity name is optional), including entity type, the state or province the entity is located in, scope of the project(s), size of transaction(s), and dollar volumes from the past three years.

Entity Name	Entity Type *	State / Province *	Scope of Work *	Size of Transactions *	Dollar Volume Past Three Years *	
Confidential	Government	Texas - TX	Machines purchased for Utility Installations/Maintenance	3 Units	\$590,034	*
Confidential	Government	North Carolina - NC	Machines purchased for Utility Installations/Maintenance	4 Units	\$417,164	*
Confidential	Government	Tennessee - TN	Machines purchased for Utility Installations/Maintenance	2 Units	\$417,164	*
Confidential	Government	Alabama - AL	Machines purchased for Utility Installations/Maintenance and other misc. municipal work	6 Units	\$416,669	*
Confidential	Government	Washington - WA	Machines purchased for Utility Installations/Maintenance	3 Units	\$395,507	*

Table 6: Ability to Sell and Deliver Service

Describe your company's capability to meet the needs of Sourcewell participating entities across the US and Canada, as applicable. Your response should address in detail at least the following areas: locations of your network of sales and service providers, the number of workers (full-time equivalents) involved in each sector, whether these workers are your direct employees (or employees of a third party), and any overlap between the sales and service functions.

Line Item	Question	Response *	
25	Sales force.	The Ditch Witch® Factory has 25 sales, product specialists and marketing personnel who work with our specialist dealership organization across the entire United States and Canada in all facets of the business. Dealers employ more than 250 professional salespersons in the local area markets across the US and Canada that are positioned to service all Sourcewell members.	*
26	Dealer network or other distribution methods.	We have an independent specialized Ditch Witch® dealer organization in North America whose focus is the sales, service and support of the Ditch Witch, HammerHead® and Subsite® product lines. There are 28 dealer owners with over 150 branch locations in North America. Within those locations, there are 250+ sales personnel and 250+ parts employees to provide sales, support and training to Ditch Witch customers. We have included a list of our dealers and their locations with this proposal.	*
27	Service force.	In addition to a team of Service Support and Parts Supports Managers located in the Perry Campus the dealership organization has well over 600 trained service personnel throughout North America to provide unmatched service support to our customers. The factory employees and the dealers employees work in tandem to make sure that our customers are fully satisfied with the productivity of their equipment.	*
28	Describe the ordering process. If orders will be handled by distributors, dealers or others, explain the respective roles of the Proposer and others.	Our order process for Sourcewell is as follows: 1. Our dealership sales personnel work with the Sourcewell member to spec the equipment properly for their area. 2. the local DW dealer provides this information to our internal Global Account group to quote the unit with the Sourcewell pricing. 3. Once the Sourcewell customer decides to purchase, the Purchase Order is made out to The Charles Machine Works, Inc. 4. The Ditch Witch® dealer orders the equipment or delivers out of their inventory to the Sourcewell customer. 5. Upon delivery the Ditch Witch dealer sends in a delivery receipt to the factory. 6. The factory bills the Sourcewell member, and at the same time, funds our dealer for the sale. By having this type of system, all Sourcewell sales go through one entity, the factory, so we can track the sale and give the proper quarterly sales and fee to Sourcewell.	*
29	Describe in detail the process and procedure of your customer service program, if applicable. Include your response-time capabilities and commitments, as well as any incentives that help your providers meet your stated service goals or promises.	As indicated in questions 25-28 we have an extensive specialized Dealer Network with all dealer branch locations having full service shops with specialized tools and equipment to service and maintain our customers machines. Dealer technician follow a complete factory training certification program Dealer locations team with the factory to insure that our customers are repaired and back on the job site as quickly as possible. As with any service organization shop load is the determining factor on how rapidly a unit can be repaired and returned to the customer. That said, the dealership works closely with our factory service reps to insure that repairs are timely and more importantly, fixed correctly. Our years of industry success can be directly attributed to our world class service after the sale. One example of our world class service is our Pro Technician program. The Pro-Technician program was developed by the Ditch Witch® organization to provide comprehensive product training for Ditch Witch service technicians. This extensive training program - consisting of bronze, silver, and gold levels - focuses specifically on Ditch Witch products and insures that the technicians that service and repair your machines are among the most knowledgeable in the industry.	*
30	Describe your ability and willingness to provide your products and services to Sourcewell participating entities in the United States.	Pledge on our Website: "At Ditch Witch, we don't just sell equipment. We pledge to be there when you need us. With a promise to help you be more productive. A passion to help you be more profitable. And the simple understanding that time is money." With the complete dealer coverage throughout the United States (93 locations) we are more than able to provide products, and services to Sourcewell entities. Every dealer in the Ditch Witch network participates in the Sourcewell contract and views the Sourcewell contract as a valuable asset to their business and as such will provide the best possible service to all Sourcewell owners.	*
31	Describe your ability and willingness to provide your products and services to Sourcewell participating entities in Canada.	With the complete dealer coverage in Canada (46 locations across 9 provinces) we are more than able to provide products, and services to Sourcewell entities. Just like in the U.S. every dealer location in Canada network participates in the Sourcewell contract when the opportunity exists and views the Sourcewell contract as a valuable asset to their business and as such will provide the best possible service to all Sourcewell owners.	*
32	Identify any geographic areas of the United States or Canada that you will NOT be fully serving through the proposed contract.	We will fully service all geographic areas of the United States and Canada. With 150 plus dealer locations across North America we are able to reach every geographic sector.	*
33	Identify any Sourcewell participating entity sectors (i.e., government, education, not-for-profit) that you will NOT be fully serving through the proposed contract. Explain in detail. For example, does your company have only a regional presence, or do other cooperative purchasing contracts limit your ability to promote another contract?	We service all Sourcewell member sectors. As stated in question 32, with 150 plus dealer locations across North America we are able to reach every geographic sector and we are not limited by other cooperative contracts in our ability to service the Sourcewell contract and its members.	*
34	Define any specific contract requirements or restrictions that would apply to our participating entities in Hawaii and Alaska and in US Territories.	Additional freight will be charged on any equipment purchased in the areas mentioned. Quotes for machines being delivered to Alaska and Hawaii will have the freight charges indicated on the quote.	*

Table 7: Marketing Plan

Line Item	Question	Response *
35	Describe your marketing strategy for promoting this contract opportunity. Upload representative samples of your marketing materials (if applicable) in the document upload section of your response.	- Ditch Witch® will promote the Sourcewell partnership on our dealer channel communications web site. The Ditch Witch Dealer Central intranet site provides dealers with all of the information and tools they need to work in concert with the factory on all products, ordering, quoting, product support and more. The Sourcewell program will be consistently communicated to our dealer channel throughout the year via this critical site. This will allow Ditch Witch dealers to inform their sales, parts and service teams to support Sourcewell members in the marketplace. - Ditch Witch is creating a sales flier that will showcase and explain the Sourcewell and Ditch Witch partnership program. This can be made available as a PDF for local printing at all Ditch Witch dealership locations. - Ditch Witch has created an informational PowerPoint presentation that provides all of the important information and details that Ditch Witch dealers need to effectively execute the Sourcewell partnership program. This information is also available 24/7 on the Dealer Central web site for all dealer and factory personnel. - The Ditch Witch factory will distribute the Sourcewell member list by Ditch Witch dealer APR (Area of Primary Responsibility) two times per year which will provide our dealer sales force with the exact members in each of their territories. - We will use the Sourcewell member list in conjunction with the local dealers to actively pursue current members business as well as use the member list to promote other local SLED agencies that may not be a Sourcewell member to become a member. We have found that the member lists are invaluable tool for "helping" an apprehensive entity to become comfortable with Sourcewell when they see their neighboring city is a Sourcewell member. - In addition, we will prepare a press release and then post in our Press Room: http://www.ditchwitch.com/press-room. Other ways we market partnerships are through our website
36	Describe your use of technology and digital data (e.g., social media, metadata usage) to enhance marketing effectiveness.	We deploy a comprehensive range of digital marketing and media tools to enhance our customers' experience with our brands, to support our new product launches, to sustain existing product leadership and build stronger relationships. These tools include social media, smart display, paid search, marketing automation, social sentiment tracking and more. Facebook, Twitter, Linked In, You Tube and Instagram are examples of social media in which we are active. We also have a very comprehensive web site designed to be not only very informative and educational but, interactive with the customer. Our My Ditch Witch portal allows customers to track their machines and monitor the performance of their fleet.
37	In your view, what is Sourcewell's role in promoting contracts arising out of this RFP? How will you integrate a Sourcewell-awarded contract into your sales process?	We would expect Sourcewell to be a partner with The Charles Machine works in promoting our newly awarded contract by issuing an email blast to all current Sourcewell members which announces that the award was given to The Charles Machine Works (Ditch Witch). We would also like to see the announcement on all Sourcewell social media outlets. Thought out the course of the contract we would expect that Sourcewell be the leader in promoting the use of procurement contracts and include Ditch Witch in all publications/advertisements that promote Sourcewell available contract holders. We would expect that Sourcewell attend all industry government industry trade shows to promote Sourcewell vendors and processes. We have worked for years to promote Sourcewell in our sales processes with our dealer network and as a result Sourcewell is almost second nature to our dealer salespeople. The Sourcewell sales process is not only documented in our dealer portal but, also supported with new salesperson training and two power point presentations on how to use Sourcewell as a selling tool and the internal sales process. Additionally, all local Sourcewell training opportunities through Sourcewell University and Sourcewell Sales Accelerator are sent to the internal Region Sales Manager and also the local dealer locations encouraging them to enroll dealer salespeople that need such training. This includes both new salespeople and seasoned salespeople as a refresher course.
38	Are your products or services available through an e-procurement ordering process? If so, describe your e-procurement system and how governmental and educational customers have used it.	Due to the unique and endless configurations of our products it is very difficult to develop an e procurement system for our products. Each model requires a custom quote. That said we are excited to see the new and upcoming Sourcewell market place which we are anxious to participate. We feel this could help with marketing and developing an e commerce solution to Sourcewell members. Our intent is to be very active in the Sourcewell Marketplace and make it as effective as possible.

Table 8: Value-Added Attributes

Line Item	Question	Response *
39	Describe any product, equipment, maintenance, or operator training programs that you offer to Sourcewell participating entities. Include details, such as whether training is standard or optional, who provides training, and any costs that apply.	Operator and equipment training are performed at the time of delivery by our dealership organization. Maintenance training is performed on an as-needed basis from our authorized Ditch Witch® dealers or the Ditch Witch factory. This initial training is performed at no charge to the Sourcewell member. Additionally operator and safety training is available in the MY Ditch Witch tab at www.ditchwitch.com.
40	Describe any technological advances that your proposed products or services offer.	We are the only manufacturer in our industry that designs and builds the majority of the components used in our equipment on-site. This is what we refer to as a systems approach; for example, we design and manufacture our directional drills, the drill pipe that is used with the drill, the down hole tools, as well as the electronic guidance system, at our own facilities rather than purchase outside and bring it in for our products. This gives us an advantage by being responsible for our quality and being able to affect change in any of these items in a much shorter time Below is a list of technological advances we build into our machines. SK3000 Compact Utility Loader 3102 lbs rated operating capacity (ROC) 118-inch hinge pin height - Under CDL requirements - Integrated hydraulic controls

	- Self-leveling arms with ride control - Patented throttle control system linked to platform; more fuel efficient - 360-degree visibility - Easy on/off platform
	SK600, SK800, SK900, SK1050, SK1550 Compact Utility Loaders - Patented cruise control on ground drive - Patented hydraulic control system with integrated platform switch - Patented hydraulic auxiliary manifold for dual aux - 360-degree visibility - Easy on/off platform - Up to 1978 lbs rated operating capacity (ROC) - Up to 94.5-inch hinge pin height Zahn - Stand-on Articulating Tool Carrier - Patented stand-on articulation - Patented quick change front end - 360-degree visibility - Easy on/off platform
	410SX Vibratory Plow - 49.6-hp Gas engine, no exhaust cleaning or after treatment - Optional front attachment, such as a trencher - Easy to use, color coded controls, with operator presence system - Install cable and pipe up to 24" deep
	C12X, C14, C16X, C24X, C30X Pedestrian Trenchers - Patented sprocket w/ double mud relief - Patented non-symmetrical tracks for balance - Patented track and guide member - Up to 6" trench width, up to 48" dig depth
	Utiliguard Utility Locators - High-contrast LCD display is visible in all conditions, including direct sunlight. - Remotely control the transmitter with the receiver. - Wireless technology simplifies communication and data transfer to other communication devices. - UtiliGuard 2 locator is direction enabled, i.e., provides the direction of the current to help you identify the target line. - Ambient Interference Measurement (AIM) technology scans the surrounding area for noise and recommends the best frequencies for the fastest, most accurate locates.
	Marksman Plus HDD Guidance - Superior performance in high-noise environments with the industry's widest range of frequencies in a single beacon. - Scans the most-usable frequencies, selecting the best choice to avoid interference. - Stronger communication between tracker and beacon at extended depths (130+ feet) for more productive bores. - Intuitive user interfaces for ease of use; choose Classic View or the new Marksman View. - Advanced locating methods let you use your preferred method of locating. - Drill-To Mode: Extended range enables the drill operator to make real-time corrections further out, improving bore accuracy
	Utility Inspection - High-resolution video with a total zoom of 40:1 (10X optical and 4X digital). - Integrated pan/tilt head with built-in ultra-bright, fully adjustable LEDs. - Remote controlled with full camera head swing/rotation. - Programmable pan and rotate limits with on-screen instructions. - Internal pressure and humidity sensors and internal clock with startup counter. - Home function to return camera head to straight-ahead position. - LED lights with remote-controlled settings.
	JT5, JT10, JT20 Horizontal Directional Drills - JT5/JT10-Optional GPS for theft protection - JT20 -Wireless ground drive-ease of set up and mobiling - Dual stick operation-operator comfort - Drill and pipe loader automation- Ease of operation - Orange Intel-Telematics technology
	JT28 Horizontal Directional Drill - Wireless ground drive-ease of set up and mobiling - Dual stick operation-operator comfort - Drill and pipe loader automation- Ease of operation - Orange Intel-Telematics technology
	JT24 Horizontal Directional Drill - Operator uptime features, including manual overrides for key drilling operations. - Alternate joysticks for Ditch Witch or Vermeer style drill operations. - Ergonomic operator station for hours of comfortable operation. - Consistent user controls with other platform drill family. Helps operators go from one machine to another with seamless operation training. Also allows component sourcing and the use of more common components. - Wireless operator control allows the operator the ability to move to key tight areas, ensuring perfect setup and rod entry points. - Horizontal shuttle pipe loader increases reliability while maintaining lower pipe box positioning. - Wide stance undercarriage makes this the most side slope stable drill on the market! - Heavy duty rotational drive and thrust drive components, providing big drill performance on a small drill. - Patented open sided breakout
	JT32, JT40 Horizontal Directional Drills - Operator uptime features, including manual overrides for key drilling operations. - Alternate joysticks for Ditch Witch or Vermeer style drill operations. - Ergonomic operator station for hours of comfortable operation. - Consistent user controls with other platform drill family. Helps operators go from one machine to another

	with seamless operation training. Also allows component sourcing and the use of more common components. - Wireless operator control allows the operator the ability to move to key tight areas, ensuring perfect setup and rod entry points. - Horizontal shuttle pipe loader increases reliability while maintaining lower pipe box positioning. - Heavy duty rotational drive and thrust drive components, providing big drill performance on a small drill. - Orange Intel- Telematics Technology - Patented open sided breakout - Carriage Thrust Break - Patented Virtual carriage brake - Thrust and Rotation limiter - Patented slide cartridge- reduces downtime AT32, AT40 Horizontal Directional Drill - Patented Dual Pipe system-Production and serviceability - Patented Rockmaster housing- Switchback - All of the call outs in JT version above RT70 Riding Trencher - Centrifugal cooling fan - Single piece advanced composite hood with lift assist - Trench depth meter, providing display and logging of trench depth, distance, profile, and productivity. - Anti-stall technology - Advanced cruise control - Enhanced rear steer with active center, crab & coordinated steering modes - Tier 4 Final/Stage V engine and aftertreatment - 120 degree swivel seat - 3 speed shift-on-the-fly w/ autoshift software - Reconfigurable to tracks for tires as needed - Electric over hydraulic attachments - CAN BUS - Ergonomic operator station, designed for cool operation, comfort, and visibility of attachments & surroundings. - Center & offset trencher, plow, backhoe, reel carrier - Microtrenching Attachments - Optional GPS and Telematics with OrangeIntelTM RT80 Riding Trencher - Tier 4 Final or T4i offerings - Advanced cruise control - Reconfigurable to tracks for tires as needed - Swivel seat - Center & offset trencher, combo, saw, plow, backhoe, reel carrier - Microtrenching Attachments - Optional GPS and Telematics with OrangeIntelTM- RT120, RT120Q Riding Trencher - Advanced cruise control - Swivel seat - Center & offset trencher, combo, saw, plow, backhoe, reel carrier - Optional GPS with OrangeIntelTM RT125, RT125Q Riding Trencher - Tier 4 Final engine and aftertreatment - Advanced cruise control - 3 speed shift-on-the-fly w/ autoshift software - 120 degree swivel seat - Electric over hydraulic attachments - CAN BUS - Center & offset trencher, combo, saw, plow, backhoe, reel carrier - Microtrenching Attachments - Enclosed cab (optional) with heat, A/C & pressurization - OrangeIntelTM Telematics standard M200/300 Reclaimers - Derrick Technology MV Hydrovacs - 31 HP Vanguard Engine - Reverse Flow - Jib Boom - Purpose built vac trailer - 15" Hg lift - 500 CFM - Water system HX Hydrovacs - Reverse Flow - Remote control operation - Power Boom - Water System w/ 3000 PSI - 15" Hg lift - Prospector Digging Lance - 1315 CFM - Purpose built vac trailer Orange Intel Telematics - Standard feature of machine monitoring for larger HD drills and riding trenchers. - Geo-Fencing - Troubleshooting - Optional GPS kits for smaller compact equipment
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41	Describe any "green" initiatives that relate to your company or to your products or services, and include a list of the certifying agency for each.	Ditch Witch has always been very diligent in making sure that we are good stewards of the environment. Those efforts have been ratcheted up to an even greater degree now that we are part of the Toro family. Part of the Toro purpose is "to help our customers enrich the beauty, productivity and sustainability of the land." the full details of our sustainability initiative can be found at https://thetorocompany.com/sustainability/sustainability-endures. The "green" initiatives at our manufacturing facility include the following: - Recycling of cardboard, glass, plastic and scrap metal. -We also capture waste oil and any ethylene glycol for recycling. -Wooden pallets are taken to our city recycling location to be shredded. -Janitorial supplies used for cleaning in our facility are all green products. - Machine coolant in our NC machines and lathes in our machine shop are green. -No petroleum-based products are used for coolant. -Lighting in the plant has been changed over to low consumption florescent lights which save energy. -Our parking lot lights are all LED lights, again to save energy. -We also heat and cool three of our buildings at our manufacturing facility with ground source heat pumps designed to save energy. -Since being purchased by Toro they have implemented a new energy management system to monitor energy consumption and resource efficiency at production facilities. - We have replaced paper manuals with on line digital manuals to reduce paper usage. - Our Hammerhead brand introduced "cure in place pipes" whereby aging and or ruptured pipes are repaired with a revolutionary Blue Light LED system. This system extends the life of existing pipe networks and reduces landfill waste.
42	Identify any third-party issued eco-labels, ratings or certifications that your company has received for the equipment or products included in your Proposal related to energy efficiency or conservation, life-cycle design (cradle-to-cradle), or other green/sustainability factors.	- 2020 Editor's Choice Award, Green Industry Pros: SK3000 full-size stand-on skid steer - The SK3000 was selected by Green Industry Pros for a 2019 • Editor's Choice Award. - The Toro Company (parent company) was pleased to be recognized as a 2020 Recycling Demand Champion by The Association of Plastic Recyclers (APR). -In 2020, the U.S. Environmental Protection Agency recognized The Toro Company (parent company) with a WaterSense® Excellence Award for the fifth consecutive year. This prestigious award recognizes companies that demonstrate a commitment to promoting water efficiency and reducing waste through education and developing products that are independently certified to use less water.
43	Describe any Women or Minority Business Entity (WMBE), Small Business Entity (SBE), or veteran owned business certifications that your company or hub partners have obtained. Upload documentation of certification (as applicable) in the document upload section of your response.	While we do not have any dealers that we are aware of with certifications in these categories we do have two dealers that have a female majority ownership and several others with non-majority female ownership. We also have other dealers that are veterans but are not certified as Veteran owned corporations.
44	What unique attributes does your company, your products, or your services offer to Sourcewell participating entities? What makes your proposed solutions unique in your industry as it applies to Sourcewell participating entities?	Pledge on our Website: "At Ditch Witch, we don't just sell equipment. We pledge to be there when you need us. With a promise to help you be more productive. A passion to help you be more profitable. And the simple understanding that time is money." We are the only manufacturer in our industry that designs and builds the majority of the components used in our equipment on-site. This is what we refer to as a systems approach; for example, we design and manufacture our directional drills, the drill pipe that is used with the drill, the down hole tools, as well as the electronic guidance system, at our own facilities rather than purchase outside and bring it in for our products. This gives us an advantage by being responsible for our quality and being able to affect change in any of these items in a much shorter time frame. We feel that using the approach described above gives us the ability to offer a better quality product, as the components are designed for use in a particular unit, as opposed to a purchased component off the shelf. We have competitors in all of the products that we manufacture at Ditch Witch. What makes a difference is how we manufacture our products vs. our competition. Manufacturing a large portion of our products ourselves gives us advantages that are not the same as our competition. A good example is the fact that we design and manufacture our Directional Drills, the drill pipe that goes with that particular model, and the electronics that go with the drill to track its progress and give accurate location information. Our competitors don't make their own drill pipe or electronics as they depend on other manufacturers to supply them. We have better control and can make necessary changes faster by not having to depend on other companies. We also manufacture our own tanks and trailers for our vac systems. Again, our competitors rely on other manufacturers for these products. Our factory trained technicians make Ditch Witch service stand out in the industry. The Ditch Witch ProTechnician program was developed by the Ditch Witch® organization to provide comprehensive product training for Ditch Witch service technicians. This extensive training program - consisting of bronze, silver, and gold levels - focuses specifically on Ditch Witch products and insures that the technicians that service and repair your machines are among the most knowledgeable in the industry. For all of these reasons Ditch Witch has become synonymous with the underground trenching industry. Much like Kleenex is to facial tissue Ditch Witch is to underground trenching machines. There is a lot of value to a customer to purchase from such a highly recognized manufacturer.

Table 9: Warranty

Describe in detail your manufacturer warranty program, including conditions and requirements to qualify, claims procedure, and overall structure. You may upload representative samples of your warranty materials (if applicable) in the document upload section of your response in addition to responding to the questions below.

Line Item	Question	Response *	
45	Do your warranties cover all products, parts, and labor?	Yes, our standard factory warranty covers all products for failures in material and workmanship. (Excluding wear items.) All parts and labor for warrantable failures are covered by the standard warranty. The Sourcewell member is responsible for all required maintenance and adjustments as stated in the operating manual for each model. Failure to perform required maintenance may be grounds for denial of warranty for a component negatively affected by failure to perform maintenance. Exclusions from Product Warranty •All incidental or consequential damages. •All defects, damages, or injuries caused by misuse, abuse, improper installation, alteration, neglect, or uses other than those for which products were intended. •All defects, damages, or injuries caused by improper training, operation, or servicing of products in a manner inconsistent with manufacturer's recommendations. •All engines and engine accessories (these are covered by original manufacturer's warranty). •Tires, belts, and other parts which may be subject to another manufacturer's warranty (such warranty will be available to purchaser) A copy of our limited warranty can be found in the Attached Owners Manual. Each machine purchased will come with a copy of the owners manual which contains a copy of our manufacturers limited warranty.	*
46	Do your warranties impose usage restrictions or other limitations that adversely affect coverage?	No. (see section 45 for any exclusions)	*
47	Do your warranties cover the expense of technicians' travel time and mileage to perform warranty repairs?	Yes. For any unit that is over 50hp we pay our dealerships a fee for up to 400 miles if a service truck is dispatched, plus pay for parts and labor for the repairs. Other travel time may be approved on a case by case basis as deemed necessary.	*
48	Are there any geographic regions of the United States or Canada (as applicable) for which you cannot provide a certified technician to perform warranty repairs? How will Sourcewell participating entities in these regions be provided service for warranty repair?	No. Our dealer network encompasses the entirety of the United States and Canada. We have 150+ brick and mortar locations with service trucks and over 600 technicians for service and warranty repairs.	*
49	Will you cover warranty service for items made by other manufacturers that are part of your proposal, or are these warranties issues typically passed on to the original equipment manufacturer?	Yes, excluding the following: Engines, tires, batteries or VanAir Systems which are covered by their respective manufacturers warranties.	*
50	What are your proposed exchange and return programs and policies?	New, unused, uninstalled parts in their original containers are eligible for return within 90 days of purchase. Return shipment to Ditch Witch will be the responsibility of the customer. All sales of wholegoods are final and not eligible for return. We reserve the right to make good faith customer satisfaction decisions on all customer purchases up to and including returns/exchanges.	*
51	Describe any service contract options for the items included in your proposal.	The Ditch Witch dealership offers up to a 2000 hour service contract that can be purchased locally from the servicing dealer. If a customer chooses a service contract the price will be included on the Sourcewell quote.	*

Table 10: Payment Terms and Financing Options

Line Item	Question	Response *	
52	Describe your payment terms and accepted payment methods?	Payment terms are Net 30. We accept check, and or payment via ACH transfer.	*
53	Describe any leasing or financing options available for use by educational or governmental entities.	Ditch Witch® Financial Services, our in-house finance group, offers a complete package of leasing and conditional sales programs to meet the needs of our customers. Lease terms and rates are as follows: The 24, 36 & 48 month lease Index rate is determined based on the 3 year, 4 year and 5 year published swap rates on the Board of Governors of the Federal Reserve System and is adjusted quarterly. The Ditch Witch® Financial Services (DWFS) standard lease is a purchase option lease and not considered a fair market value lease. Residuals are determined before contract agreement has been signed. Lease terms are 24,36,48 and 60 months. Ditch Witch® Financial Services (DWFS) is a private label group under Bank of the West, which is a subsidiary bank of BNP Paribas.	*
54	Describe any standard transaction documents that you propose to use in connection with an awarded contract (order forms, terms and conditions, service level agreements, etc.). Upload a sample of each (as applicable) in the document upload section of your response.	We will provide the customer with an authorized Sourcewell price quote from Ditch Witch for any product a Sourcewell member wishes to have quoted. We will accept a standard Purchase Order from the customer. Once the unit is delivered by the local servicing dealer the customer will need to sign a delivery receipt. Ditch Witch will then invoice the member on our standard invoice. Sample copies are attached.	*
55	Do you accept the P-card procurement and payment process? If so, is there any additional cost to Sourcewell participating entities for using this process?	No, not at this time. We reserve the right to initiate the acceptance of P-Cards at a future date of our choosing should we decide to pursue a P-Card payment method.	*

Table 11: Pricing and Delivery

Provide detailed pricing information in the questions that follow below. Keep in mind that reasonable price and product adjustments can be made during the term of an awarded Contract as described in the RFP, the template Contract, and the Sourcwell Price and Product Change Request Form.

Line Item	Question	Response *	
56	Describe your pricing model (e.g., line-item discounts or product-category discounts). Provide detailed pricing data (including standard or list pricing and the Sourcwell discounted price) on all of the items that you want Sourcwell to consider as part of your RFP response. If applicable, provide a SKU for each item in your proposal. Upload your pricing materials (if applicable) in the document upload section of your response.	Our pricing model is a discount from the Manufactures Stated Retail Price MSRP on each product. Attached to the RFP is a list of all products and their MSRP prices. Discounts to Canada will be 2% less than the discounts offered in the US. This will account for all customs fees and other associated costs associated with shipping from the U.S. to Canada. Attached are price lists by model. Note: We have included the price lists in both excel and PDF format in case there are any issues with opening large excel files.	*
57	Quantify the pricing discount represented by the pricing proposal in this response. For example, if the pricing in your response represents a percentage discount from MSRP or list, state the percentage or percentage range.	Ditch Witch is offering discounts up to 10% from our manufacturers stated retail prices on all Ditch Witch, Hammerhead, and Subsite equipment. See attached pricing sheets for specific discounts on each model. Note: We have included the price lists in both excel and PDF format in case there are any issues with opening large excel files.	*
58	Describe any quantity or volume discounts or rebate programs that you offer.	Since we consider the Sourcwell Contract, and therefore their members, to corporately qualify for high volume discounts or rebates we offer a very attractive discount up front on all machines. Our pricing is best pricing up front and therefore additional volume discounts or rebates are not necessary and therefore not offered in our proposal. Local dealers may, from time to time, may offer special pricing to compete in their local markets. Such pricing will be at dealer discretion and will always be below the Sourcwell contract price.	*
59	Propose a method of facilitating "sourced" products or related services, which may be referred to as "open market" items or "nonstandard options". For example, you may supply such items "at cost" or "at cost plus a percentage," or you may supply a quote for each such request.	Sourced products will be provided locally through the delivering dealer. The delivering dealer will provide a quote for the non Ditch Witch "sourced" product and the quote will be added onto the quote for the Sourcwell customer. The customer will have the option to accept the quoted price or reject the price and choose to only purchase the approved Sourcwell product from Ditch Witch or its sister companies. Then the customer would be free to purchase a "Sourced" item from the brand of their choosing.	*
60	Identify any element of the total cost of acquisition that is NOT included in the pricing submitted with your response. This includes all additional charges associated with a purchase that are not directly identified as freight or shipping charges. For example, list costs for items like pre-delivery inspection, installation, set up, mandatory training, or initial inspection. Identify any parties that impose such costs and their relationship to the Proposer.	There are installation charges associated with certain optional features that may need to be installed on the Ditch Witch machines. Installation charges for those items will be clearly listed on the quote for the Sourcwell customer.	*
61	If freight, delivery, or shipping is an additional cost to the Sourcwell participating entity, describe in detail the complete freight, shipping, and delivery program.	All products are shipped from our factory in Perry, OK to the local Ditch Witch dealer that will be making the final delivery of the product to the Sourcwell member. We have attached a freight matrix that details current shipping rates to each geographic area of the country including rates to ship into Canada. The local dealer does not charge freight or a delivery charge for final delivery from the dealer to the local Sourcwell member. Other freight charges per item are included in the pricing lists. In certain instances Sourcwell members may take delivery from dealer inventory however, such inventory will be subject to the same freight charges as new production orders from the factory. Freight to Hawaii and Alaska will be quoted separately as needed. All freight charges will be listed on the final quote provided to all Sourcwell customers prior to their placement of the order to Ditch Witch.	*
62	Specifically describe freight, shipping, and delivery terms or programs available for Alaska, Hawaii, Canada, or any offshore delivery.	Canada rates are listed in the freight matrix as indicated in question #61. Freight to Hawaii and Alaska will be quoted separately as needed. Note: Shipping rates to Alaska and Hawaii have varied drastically over the last 18months and will continue to vary for the foreseeable future. All freight charges will be listed on the final quote provided to all Sourcwell customers prior to their placement of the order to Ditch Witch.	*
63	Describe any unique distribution and/or delivery methods or options offered in your proposal.	All of the equipment in this proposal will receive a Pre-Delivery Inspection (PDI) from the Ditch Witch dealer that includes a multi-point inspection of key components to insure everything complies with the Ditch Witch standard operations of the machines. A delivery checklist is reviewed with the customer to insure that key are covered by the dealer. This includes the provision of an operators manual for each machine, explanation of the standard limited warranty and phone numbers and contact information of the dealer service and parts personnel in the event that they would need to be contacted by the member This may also include operator training at time of delivery as needed.	*

Table 12: Pricing Offered

Line Item	The Pricing Offered in this Proposal is: *	Comments
64	c. better than the Proposer typically offers to GPOs, cooperative procurement organizations, or state purchasing departments.	Soucwell is our premier conduit to deliver our product to Government customers and as such we offer premium pricing to Sourcwell members.

Table 13: Audit and Administrative Fee

Line Item	Question	Response *
65	Specifically describe any self-audit process or program that you plan to employ to verify compliance with your proposed Contract with Sourcewell. This process includes ensuring that Sourcewell participating entities obtain the proper pricing, that the Vendor reports all sales under the Contract each quarter, and that the Vendor remits the proper administrative fee to Sourcewell. Provide sufficient detail to support your ability to report quarterly sales to Sourcewell as described in the Contract template.	1. All Sourcewell quotes will be generated by the Ditch Witch factory and not from the independent dealer network. All quotes will be on an official Ditch Witch Quote (Sample attached) 2. All purchase orders for the purchase of machines on the Sourcewell program will be issued to The Charles Machine Works and not the servicing dealer. This will ensure the PO matches the official quote. 3. Invoicing to the customer will be directly from the Charles Machine Works. 4. Payment will be made to The Charles Machine Works. With this process we remove the dealer from all pricing and guarantees that the Sourcewell contract pricing is compliant. In addition since all invoicing is provided by The Charles Machine Works we track each sale in our system by customer member number in our sales systems. We then run quarterly reports directly from our sales accounting system to insure every sale on the Sourcewell contract is not only priced correctly but also reported to Sourcewell correctly so that the administrative fee will be correct.
66	If you are awarded a contract, provide a few examples of internal metrics that will be tracked to measure whether you are having success with the contract.	We provide monthly sales reports on the Sourcewell contract to our internal stakeholders and executive management. Example attached.
67	Identify a proposed administrative fee that you will pay to Sourcewell for facilitating, managing, and promoting the Sourcewell Contract in the event that you are awarded a Contract. This fee is typically calculated as a percentage of Vendor's sales under the Contract or as a per-unit fee; it is not a line-item addition to the Member's cost of goods. (See the RFP and template Contract for additional details.)	The Charles Machine Works, Inc. will propose to pay Sourcewell a fee of 2% of the contract sales price of the machine less any freight and set up for all products in our proposal.

Table 14A: Depth and Breadth of Offered Equipment Products and Services

Line Item	Question	Response *
68	Provide a detailed description of the equipment, products, and services that you are offering in your proposal.	We are offering the complete line of Ditch Witch® pedestrian and ride on trenchers, vibratory plows, compact utility products, stand on track loaders and attachments, directional drills, vacuum excavation products, micro trenching products Subsite® pipe and cable locators, tracking electronics, as well as the complete line of HammerHead® pneumatic piercing tools.. All of these products are offered and available through our extensive dealer network. See attached for a list of current models. Ditch Witch Model Summary Pedestrian Trencher line up offer Engines from 12-31 hp and dig depths of 24-48 inches. Ride on Trenchers line up offers Engines from 130hp and trencher dig depths to 97" Stand On Skid Steers have operating capacities from 600lbs to 3,100lbs. Vacuum Excavators Range from 150-gallon to 800-gallon Vacuum tanks. Ditch Witch Directional Drills range from 4,100 lbs. and 70,000 lbs. of Thrust Force. Subsite Electronics offers several models of HDD Guidance locators including Marksman, TK Recan, TK Recon repeater, Commander 7, Field Scout, Scoutview, HDD Beacons, TMS Plus and TSR Mobile. Subsite HDD Guidance systems and our exclusive Green Ops™ process give you a clear plan, more control, and faster reporting for safer, more productive jobs. Subsite Electronics also offers a complete line of utility locators including Utiliguard 2, 830R/T, Locating beacons and 2550GR ground penetrating radars system. Before you dig, trench or bore, you need a clear understanding of the hazards below your jobsite. Without it, you're working blind. Hammerhead offers a complete line of mole piercing tools. Including the Active head, Catamount and Standard tools moles as well as the Moletrac locating kit. HammerHead Mole® piercing tools are some of the most reliable in the industry today. With more than 24 models ranging from 2" to 8" (50 to 200 mm). HammerHead Mole piercing tools feature an industry-leading design that uses the heaviest one-piece striker in the industry. Our body housing design provides better durability and tool life than competitive models.
69	Within this RFP category there may be subcategories of solutions. List subcategory titles that best describe your products and services.	Ditch Witch Utility trailers purpose built for the transportation of Ditch Witch branded equipment.

Table 14B: Depth and Breadth of Offered Equipment Products and Services

Indicate below if the listed types or classes of equipment, products, and services are offered within your proposal. Provide additional comments in the text box provided, as necessary.

Line Item	Category or Type	Offered *	Comments	
70	Telescopic, articulated, mast, and boom, aerial lifts, towers, buckets, and platforms	☐ Yes ☒ No	We do not manufacture these products as we specialize in the underground utility market.	*
71	Digger derricks, and cable placing, pulling, and tensioning equipment	☐ Yes ☒ No	We do not participate in this category.	*
72	Directional drills, trenchless excavation equipment, thrust and boring machines, soil piercing tools, trenchers, rock wheels, and pile drivers	☒ Yes ☐ No	The Charles Machine Works, Inc., is a family of companies that offers an entire range of fully integrated products that address the installation of pipe and cable underground. That is the singular purpose of our business. Our family of companies complement and complete each other so that we can be the sole source provider from the beginning to the end of every HDD bore. Subsite® Electronics locate existing pipe and cable underground and track the installation of new pipe and cable being installed so that the HDD equipment operator virtually has "eyes that see underground." Ditch Witch® equipment offers a broad line of equipment ranging from mini skid steer units to trenchers to HDD machines to vacuum excavators. American Augers® and Trencor® offer HDD machines in sizes that exceed Ditch Witch models to accommodate the largest of jobs. DWTXS® offers an HDD line of equipment specifically designed for various segments of the international market. The HammerHead® line of equipment ranges from moles to pipe bursters. The Radius® line of HDD tooling complements those manufactured by Ditch Witch and HammerHead for the most complete line of HDD tooling offered by any manufacturer in the underground construction market today. When pre-owned equipment is the answer, MTI® is the one-stop shop for those needs. The synergy created by The Charles Machine Works, Inc., family of companies is intended to give any contractor assurance that we have the product to complete the most difficult of installations of pipe and cable underground and that we do so with maximum productivity and cost efficiencies in mind.	*
73	Utility locating equipment	☒ Yes ☐ No	Our Subsite products are industry leading in the area of utility locating equipment.	*
74	Accessories, supplies, replacement or wear parts, and services related to the offering of equipment in Lines 69-72	☒ Yes ☐ No	We offer all of our branded attachments purchased in conjunction with a whole good machine. We are not offering replacement parts or service as a part of this bid. Replacement parts and service will be provided by the local dealer but, not as a part of this RFP.	*

Exceptions to Terms, Conditions, or Specifications Form

Only those Proposer Exceptions to Terms, Conditions, or Specifications that have been accepted by Sourcewell have been incorporated into the contract text.

Documents

Ensure your submission document(s) conforms to the following:

1. Documents in PDF format are preferred. Documents in Word, Excel, or compatible formats may also be provided.
2. Documents should NOT have a security password, as Sourcewell may not be able to open the file. It is your sole responsibility to ensure that the uploaded document(s) are not either defective, corrupted or blank and that the documents can be opened and viewed by Sourcewell.
3. Sourcewell may reject any response where any document(s) cannot be opened and viewed by Sourcewell.
4. If you need to upload more than one (1) document for a single item, you should combine the documents into one zipped file. If the zipped file contains more than one (1) document, ensure each document is named, in relation to the submission format item responding to. For example, if responding to the Marketing Plan category save the document as "Marketing Plan."

- [Pricing](#) - Pricing.zip - Tuesday November 02, 2021 08:11:59
- [Financial Strength and Stability](#) - Financial Statement Info and Dealer List.zip - Tuesday November 02, 2021 08:11:09
- [Marketing Plan/Samples](#) - Marketing.zip - Wednesday October 2, 2021 15:12:33
- MBE/MBE/SBE or related Certificates (optional)
- [Warranty Information](#) - Ditch Witch Limited Warranty Policy.pdf - Wednesday October 2, 2021 15:01:14
- [Standard Transaction Document Samples](#) - Transaction Documents.zip - Wednesday October 2, 2021 15:01:3
- [Upload Additional Document](#) - Dealer List-Training -Product Technology - Product Lit.zip - Tuesday November 02, 2021 08:11:43

Addenda, Terms and Conditions**PROPOSER AFFIDAVIT AND ASSURANCE OF COMPLIANCE**

I certify that I am the authorized representative of the Proposer submitting the foregoing Proposal with the legal authority to bind the Proposer to this Affidavit and Assurance of Compliance:

1. The Proposer is submitting this Proposal under its full and complete legal name, and the Proposer legally exists in good standing in the jurisdiction of its residence.
2. The Proposer warrants that the information provided in this Proposal is true, correct, and reliable for purposes of evaluation for contract award.
3. The Proposer, including any person assisting with the creation of this Proposal, has arrived at this Proposal independently and the Proposal has been created without colluding with any other person, company, or parties that have or will submit a proposal under this solicitation; and the Proposal has in all respects been created fairly without any fraud or dishonesty. The Proposer has not directly or indirectly entered into any agreement or arrangement with any person or business in an effort to influence any part of this solicitation or operations of a resulting contract; and the Proposer has not taken any action in restraint of free trade or competitiveness in connection with this solicitation. Additionally, if Proposer has worked with a consultant on the Proposal, the consultant (an individual or a company) has not assisted any other entity that has submitted or will submit a proposal for this solicitation.
4. To the best of its knowledge and belief, and except as otherwise disclosed in the Proposal, there are no relevant facts or circumstances which could give rise to an organizational conflict of interest. An organizational conflict of interest exists when a vendor has an unfair competitive advantage or the vendor's objectivity in performing the contract is, or might be, impaired.
5. The contents of the Proposal have not been communicated by the Proposer or its employees or agents to any person not an employee or legally authorized agent of the Proposer and will not be communicated to any such persons prior to Due Date of this solicitation.
6. If awarded a contract, the Proposer will provide to Sourcewell Participating Entities the equipment, products, and services in accordance with the terms, conditions, and scope of a resulting contract.
7. The Proposer possesses, or will possess before delivering any equipment, products, or services, all applicable licenses or certifications necessary to deliver such equipment, products, or services under any resulting contract.
8. The Proposer agrees to deliver equipment, products, and services through valid contracts, purchase orders, or means that are acceptable to Sourcewell Members. Unless otherwise agreed to, the Proposer must provide only new and first-quality products and related services to Sourcewell Members under an awarded Contract.
9. The Proposer will comply with all applicable provisions of federal, state, and local laws, regulations, rules, and orders.
10. The Proposer understands that Sourcewell will reject RFP proposals that are marked "confidential" (or "nonpublic," etc.), either substantially or in their entirety. Under Minnesota Statutes Section 13.591, subdivision 4, all proposals are considered nonpublic data until the evaluation is complete and a Contract is awarded. At that point, proposals become public data. Minnesota Statutes Section 13.37 permits only certain narrowly defined data to be considered a "trade secret," and thus nonpublic data under Minnesota's Data Practices Act.
11. Proposer its employees, agents, and subcontractors are not:
 1. Included on the "Specially Designated Nationals and Blocked Persons" list maintained by the Office of Foreign Assets Control of the United States Department of the Treasury found at: <https://www.treasury.gov/ofac/downloads/sdnlist.pdf>;
 2. Included on the government-wide exclusions lists in the United States System for Award Management found at: <https://sam.gov/SAM/>; or
 3. Presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from programs operated by the State of Minnesota; the United States federal government or the Canadian government, as applicable; or any Participating Entity. Vendor certifies and warrants that neither it nor its principals have been convicted of a criminal offense related to the subject matter of this solicitation.

☒ By checking this box I acknowledge that I am bound by the terms of the Proposer's Affidavit, have the legal authority to submit this Proposal on behalf of the Proposer, and that this electronic acknowledgment has the same legal effect, validity, and enforceability as if I had hand signed the Proposal. This signature will not be denied such legal effect, validity, or enforceability solely because an electronic signature or electronic record was used in its formation. - Mike Spillars, Corporate Accounts Manager, The Charles Machine Works

The Proposer declares that there is an actual or potential Conflict of Interest relating to the preparation of its submission, and/or the Proposer foresees an actual or potential Conflict of Interest in performing the contractual obligations contemplated in the bid.

☒ Yes ☐ No

The Bidder acknowledges and agrees that the addendum/addenda below form part of the Bid Document.

Check the box in the column "I have reviewed this addendum" below to acknowledge each of the addenda.

File Name	I have reviewed the below addendum and attachments (if applicable)	Pages
Addendum_4_Public_Utility_Equipment_RFP_110421 Thu October 14 2021 04:33 PM	☒	2
Addendum_3_Public_Utility_Equipment_RFP_110421 Mon September 27 2021 05:28 PM	☒	1
Addendum_2_Public_Utility_Equipment_RFP_110421 Fri September 24 2021 03:55 PM	☒	1
Addendum_1_Public_Utility_Equipment_RFP_110421 Mon September 20 2021 02:54 PM	☒	1

Purchase Orders with Gibbs International, Inc. and The Charles Machine Works, Inc. for the Purchase of Heavy Equipment

Public Works & Transportation Committee
September 9, 2025

Timothy Beaman
Assistant Public Works Director

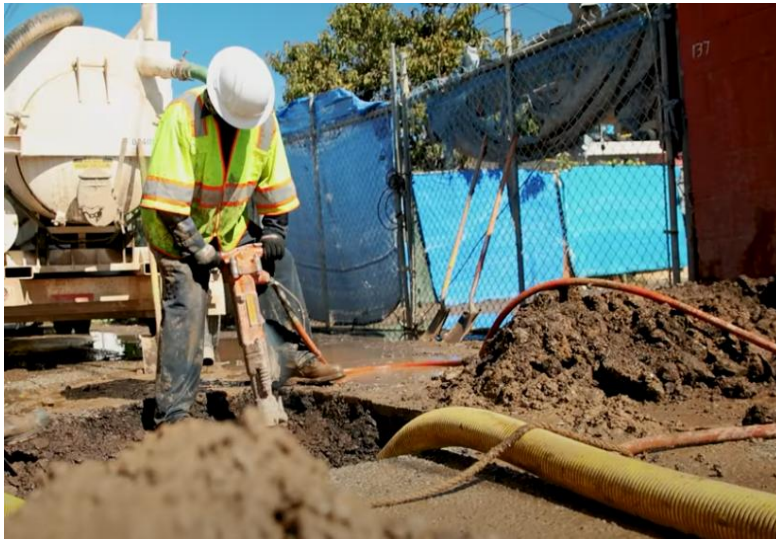
The Public Works and Transportation Committee recommends that the City Council approve and authorize the Purchasing Agent to execute two purchase orders for the following:

1. Gibbs International Inc. for a not-to-exceed value up to \$300,000.00 for the purchase of a 2026 HV607 SBA International Truck, 10-Ton Dump Truck (dump truck); and
2. The Charles Machine Works, Inc. for a not-to-exceed value up to \$700,000.00 for the purchase of a 2025 Kenworth T480 with a Ditch Witch Hydro Vacuum Truck/Excavator W8 Standard Package (vacuum truck).

- The City's Water System consists of ~ 600 miles of pipelines and nearly 43,000 water services
- Water pipelines periodically require maintenance & repair
- Dump trucks are essential to complete repairs and replace water infrastructure during regular preventative maintenance



- Hydro vacuum excavators are a single piece of equipment that allow for staff to excavate from outside the trench, protecting existing utilities and making site clean-up more efficient



- Vehicle 09404, a 2009 International 4300V 2-Axle Dump Truck has reached the end of it's useful life
 - High mileage has resulted in increased maintenance costs
 - The dump truck must be empty to safely tow trailered equipment as shown below
- Vehicle 09404 will be replaced with a 2026 HV607 SBA International Truck, a (6X4) 10-wheel 3-axle dump truck



- Vehicle 07405, a 2007 Pacific Tech Vacuum Trailer fitted with a vacuum and an 800-gallon tank was decommissioned
 - Determined to be unsafe and not repairable by the Fleet Division due to the state of the vacuum tank
- Vehicle 07405 will be replaced with a 2025 Kenworth T480 with a Ditch Witch Hydro Vacuum Truck/Excavator W8 Standard Package



- The California Air Resources Board (CARB) regulates emissions on vehicles over 8,500 lbs
- On December 19, 2023 - City Council approved “Option 2” for Advanced Clean Fleets regulation compliance
- “Option 2” allows the addition of new internal combustion engine vehicles model year 2024 or newer as long as the fleet is meeting the target percentage
- In order to meet the State-required ZEV standards, the Water Division shall replace a previously identified portion of its aging fleet with three electric vehicles, offsetting the purchase of the dump truck
- The vacuum truck is exempt from the State’s Advanced Clean Fleet (CARB) program and can be purchased without having to apply for an exemption

- Sourcewell cooperative agreement # 032824NVS with Gibbs International LLC was quoted \$240,155.28 from Gibbs International, Inc. for the 10-Ton Dump Truck
- During the extensive research for a new vacuum excavator, Staff reviewed equipment from Ditch Witch, TruVac Flexx, and Vermeer
- Ditch Witch was considered the best fit for the needs of the Water Division

- Sourcewell cooperative agreement 110421-CMW with Ditch Witch Manufacturing was quoted \$632,995.10 from its territory reseller, the Charles Machine Works, Inc for Vacuum Truck
- Staff recommends the following not-to-exceed (NTE) amounts for each purchase order:
 - NTE of \$300,000 for the 10-ton dump truck
 - NTE of \$700,000 for the vacuum truck
- NTE amounts will allow for purchasing latitude to cover any possible price increases due to uncertainties relating to potential tariffs or regulatory changes

- The total for the Gibbs International Inc will be a not-to-exceed value up to \$300,000.00 to purchase the 10-Ton Dump Truck with a 5-6 month lead time
- The total for The Charles Machine Works, Inc., will have a not-to-exceed value up to \$700,000.00 to purchase the vacuum truck with a 2-6 month lead time
- These purchases were included in the FY 2025-26 Adopted Budget - Water Fund 601

Warranty Information

Dump Truck	• Cummins engine has two years/250,000 miles • Allison transmission has 3 years/unlimited miles • 10-yard dump body has a one-year parts & labor warranty
Vacuum Unit	• Chassis has 1 year/unlimited miles • Cummins engine has two years/250,000 miles (6,250 hours) • Emissions has five years/100,000 miles



End of Presentation



PUBLIC WORKS AND TRANSPORTATION COMMITTEE AGENDA REPORT

REPORTS AGENDA ITEM NO. D.5

DATE: September 9, 2025

TO: Public Works and Transportation Committee

FROM: Michael Wolfe, Public Works Director, (805) 385-8055, michael.wolfe@oxnard.org
Jeff Pengilley, Community Development Director, (805) 385-8208, jeff.pengilley@oxnard.org

SUBJECT: Adopting the 2025 City of Oxnard Water System Design and Construction Standards and an Update to the 2002 City of Oxnard Standard Plates and Design Criteria. (10 minutes)

RECOMMENDATION

That the Public Works and Transportation Committee recommend that the City Council:

1. Adopt a resolution approving the 2025 Water System Design and Construction Standards and an update to the 2002 City of Oxnard Standard Plates and Design Criteria for public works construction; and
2. Delegating discretionary authority to the Public Works City Engineer to approve future revisions to the 2025 Water System Design and Construction Standards and 2002 City of Oxnard Standard Plates and Design Criteria; and
3. Authorizing the City Manager to take whatever actions are necessary and appropriate to carry out the purpose and intent of this resolution.

Please click the following link to view the required Measure M pre-recorded presentation video:

<https://youtu.be/w7zeGZJMfdk>

BACKGROUND

The 2002 City of Oxnard Standard Plates and Design Criteria has been used by engineers, developers, contractors, and the general public for guidance to construct improvements to the City's infrastructure. It covers commonly encountered aspects of public improvements such as street construction, stormwater conveyance, and water/wastewater infrastructure. The proposed update to the water system design and construction standards reflects the collaboration of engineering and water works staff from the Public Works and Community Development Departments, and reflects the latest industry standards, State requirements, and waterworks requirements. This helps ensure that the highest quality of public and private water improvements are used throughout the City. To allow for certain legal protections under design immunity consistent with Government Code Section 830.6, staff recommends the City Council delegate discretionary authority to the Public Works City Engineer to approve future revisions.

DISCUSSION

A comprehensive update effort for the water system design and construction requirements commenced in 2023. Engineering and waterworks staff from the Community Development and Public Works Departments combined their expertise to develop an updated set of engineering standard drawings and specifications for the public water system. This update aligns with industry standards, state requirements, and the latest waterworks

regulations.

The core of the update focuses mainly on the municipal water system engineering and construction requirements. Staff incorporated changes in construction practice and specification formatting for the public water system as a standalone document, as shown in Attachment 2, and detaching it from the 2002 Standard Plates and Design Criteria. These updated water standards, presented in a clear and concise manner, will assist engineers, developers, contractors, and the general public by providing guidance for the City's requirements for quality public works construction.

The present 2002 Standard Plates and Design Criteria, with the removal of the old water standards, is over 200 pages long. Revisions have been periodically performed to keep the standard plates and design criteria relevant to current engineering and construction standards. The Public Works City Engineer, as the City's technical lead, is responsible for overseeing and approving such revisions; this process provides proper quality control and assurance steps to ensure that the document is continuously updated.

STRATEGIC PRIORITIES

This agenda item supports the Infrastructure and Natural Resources strategy. The purpose of the Infrastructure and Natural Resources strategy is to preserve and improve our roads, utilities, parks, trees, water supply, and natural resources through effective planning, prioritization, and an equitable and efficient use of available funding.

FINANCIAL IMPACT

There is no financial impact.

Prepared by: Tai Chau, Assistant Community Development Director

ATTACHMENTS

1. Draft City Council Resolution
2. 2025 Water System Design and Construction Standards
3. Updated 2002 Standard Plates and Design Criteria
4. Presentation

CITY COUNCIL OF THE CITY OF OXNARD

RESOLUTION NO. _____

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF OXNARD
APPROVING THE 2025 WATER SYSTEM DESIGN AND CONSTRUCTION
STANDARDS AND AN UPDATE TO THE 2002 STANDARD PLATES AND
DESIGN CRITERIA FOR PUBLIC WORKS CONSTRUCTION AND
DELEGATING DISCRETIONARY AUTHORITY TO THE CITY ENGINEER
TO APPROVE FUTURE REVISIONS

WHEREAS, the City of Oxnard Standard Plates and Design Criteria was originally published in 2002; and

WHEREAS, the 2002 City of Oxnard Standard Plates and Design Criteria have been used by engineers, developers, contractors, and the general public to construct improvements to the City's infrastructure; and

WHEREAS, it is in the best interest of the City and developers to have the engineering standards and specifications continued to be updated to align with industry standards and State of California Requirements for public works construction; and

WHEREAS, each succeeding revision to the 2002 City of Oxnard Standard Plates and Design Criteria reflects the constantly changing technology and advanced thinking of the construction industry, and

WHEREAS, the American Water Works Association Standards and the Standard Specifications for Public Works Construction ("Greenbook") were used in developing the 2025 Water Design and Construction Standards for adoption herein; and

WHEREAS, from time to time, the Public Works City Engineer will deem it necessary to make revisions to the 2002 City of Oxnard Standard Plates and Design Criteria and the 2025 Water System Design and Construction Standards.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF OXNARD DOES
RESOLVE AS FOLLOWS:

1. Approves the 2025 Water System Design and Construction Standards and update to the 2002 City of Oxnard Standard Plates and Design Criteria; and
2. Authorizes the Public Works City Engineer to approve future revisions to the 2002 City of Oxnard Standard Plates and Design Criteria and the 2025 Water System Design and Construction Standards; and
3. Authorizes the City Manager to take whatever actions are necessary and appropriate to carry out the purpose and intent of this resolution.

PASSED AND ADOPTED this ____ day of _____, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

Luis A. Mc Arthur, Mayor

ATTEST:

Lourdes A. López, City Clerk

APPROVED AS TO FROM:

Stephen M. Fischer, City Attorney



CITY OF OXNARD WATER SYSTEM DESIGN AND CONSTRUCTION STANDARDS

**2025 EDITION
CITY COUNCIL RESOLUTION NO. XXX**

2002 STANDARD PLATES AND DESIGN CRITERIA

REVISION TRACKER

[illegible]

TABLE OF CONTENTS

SECTION 1 – PURPOSE AND SCOPE.....	4
1.1 CITY JURISDICTION	4
1.2 EXCEPTIONS & INTERPRETATIONS.....	4
1.3 WATER SERVICE AREA.....	5
SECTION 2 - DESIGN CRITERIA.....	6
2.1 WATER MAIN DESIGN REQUIREMENTS.....	6
2.2 PUBLIC WATER EASEMENT	8
SECTION 3 – MATERIAL REQUIREMENTS	9
3.1 MATERIALS OVERVIEW	9
3.2 WATER SERVICE LINE MATERIALS AND FITTINGS.....	12
3.3 WATER MAIN PIPE MATERIALS.....	13
3.4 MAIN LINE COUPLINGS	17
3.5 MAIN LINE VALVES.....	18
3.6 SPECIALTY VALVES	20
3.7 FIRE HYDRANTS.....	20
3.8 TRENCH BACKFILL	21
3.8 CONCRETE AND REINFORCING STEEL.....	23
SECTION 4 – EXISTING FACILITIES	24
4.1 PROTECTION	24
4.2 REMOVAL	25
SECTION 5 – CONSTRUCTION DETAILS.....	26
5.1 GENERAL	26
5.2 HANDLING AND LAYING PIPE.....	26
5.3 INSTALLING VALVE AND BOXES	27
5.4 INSTALLING FIRE HYDRANTS.....	28
5.5 THRUST BLOCKING.....	28
5.6 AIR AND VACUUM VALVES	28
5.7 SERVICES	29
5.8 EXISTING WATER SERVICES.....	30
SECTION 6 – TESTING AND DISINFECTING WATER MAINS.....	31
6.1 PRESSURE TESTING	31
6.2 FLUSHING	34
6.3 DISINFECTION.....	35
6.4 BACTERIOLOGICAL TESTS	36
6.5 CONNECTIONS TO EXISTING WATER MAIN LINES	37
SECTION 7 – CROSS-CONNECTION BACKFLOW	38

7.1 TYPES OF BACKFLOW PREVENTERS:	38
7.2 SERVICE PIPING	39
7.3 INSPECTIONS AND TESTING	39
7.4 FIRE SPRINKLER SYSTEMS:	40
SECTION 8 – RECYCLED WATER IDENTIFICATION	41
8.1 RECYCLED WATER IDENTIFICATION	41
SECTION 9 – STORMWATER POLLUTION PREVENTION	43
9.1 POLLUTION PREVENTION PLANS	43
9.2 DEWATERING	43

WATER STANDARD PLATES

W-0	General Notes
W-1	Fire Hydrant
W-2	Fire Hydrant Bollards
W-3	Gate Valve Installation
W-4	2-inch Copper Service
W-5	1-inch Polyethylene Water Service
W-7	Blowoff Valve Installation
W-8	Combination Air-Vac Valve
W-9	2-inch & Smaller Water Meter and Backflow
W-10	3-inch & Larger Water Meter and Backflow
W-11	2-inch Fire Backflow
W-12	3-inch & Larger Fire Backflow
W-13	Water Main Crossings
W-14	Fire Hydrant Air Gap Method
W-15	Water Sampling Station
W-18	Meter Box at Beach Tracts
W-20	Concrete Thrust Blocking
W-21	Standard Trench
W-22	Residential Fire Line Service

SECTION 1 – PURPOSE AND SCOPE

The design and construction of water mains and other appurtenances in the City of Oxnard (City) shall comply with these standards herein called **2025 Water Design and Construction Standards (WDCS)**, except where specific modifications have been approved, in writing by the Director of Public Works, City Engineer, or Water Division Manager. A registered civil engineer shall sign all submitted plans, and all work shall be done in accordance with good engineering practice. This document sets forth the procedure for designing and preparing plans and specifications for the public water systems built for the City of Oxnard. Wherever there are differences between these standards, state or federal regulations, the most stringent or highest requirement shall govern. Specifications and Standard Plates relating to pipelines are intended for pipes up to 18-inches in diameter. Pipe size larger than 18-inches shall be reviewed and approved by the City Engineer. Based on field conditions, the City Engineer has the discretion to impose additional requirements beyond the WDCS.

The City intends to provide uniformity of design and construction; the design engineer shall review the methods and procedures contained herein to ensure they apply to the project under design or construction. The City will revise the WDCS as needed to keep them current and include new or changed policies, data, and methods. The City Engineer shall have the primary responsibility for the coordination and preparation of new materials or revisions to the WDCS.

1.1 CITY JURISDICTION

Public facilities are public water infrastructure located within public streets, City properties, easements, or other rights-of-way, including water services from the public water mains to the City meters. The City shall operate, maintain, and repair its facilities. For all projects subject to City approval, the applicant's design engineer shall submit all water improvement plans to the City for review. All plans, specifications, reports, and/or documents shall be prepared, signed, and stamped by a registered civil engineer licensed to practice in California and shall be in conformance with the most current edition of the WDCS.

1.2 EXCEPTIONS & INTERPRETATIONS

Requests to modify or deviate from the WDCS must be submitted in writing to the City Engineer for review and approval. The City Engineer along with the Water Division Manager, shall have sole authority to determine the interpretation of all design and construction standards requiring clarification.

1.3 WATER SERVICE AREA

Developers and project proponents are advised to coordinate with the City Community Development Department and, if deemed necessary, the Public Works Department Water Division to confirm that a property is within the City Service Area and to determine water availability and service requirements for a property prior to its purchase and development. The City shall not be held liable for any decision made to purchase a property based on the information provided. It is the responsibility of the interested party to practice due diligence and perform an independent verification from a licensed engineer as to the feasibility and constructability of water improvements to the property.

SECTION 2 - DESIGN CRITERIA

The WDCS outlines design criteria that apply to the design and construction of all waterworks facilities owned and/or operated by the City. Variance from the requirements specified in this section may be requested by the design engineer. The City Engineer has sole discretion to approve or reject all variance requests.

The applicant and project proponents shall be responsible for the construction of any improvements to the City's water distribution system to satisfy the WDCS requirements. The applicant shall be responsible for demonstrating that the WDCS requirements can be met through hydraulic calculations.

2.1 WATER MAIN DESIGN REQUIREMENTS

A. Water Main Location

The city water mains shall be located on the public streets minimum 5-feet from the south or east curb face unless the City of Oxnard Street Standard Plates or City Engineer requires otherwise.

B. Fire Hydrants

Fire hydrants shall be installed along the public water main at an interval of 500-feet maximum for low density residential areas. The fire hydrant interval shall be 300-feet maximum for high density residential, commercial and industrial areas with sufficient numbers so that all points of all structures are within 150-feet of a fire hydrant, or as otherwise approved by the Fire Department.

C. Depth of Water Main

The standard uniform minimum depth of cover to the top of the pipe shall be **42-inches** unless the City Engineer permits a shallower depth with special trench backfill.

D. Water Main Flow Velocity

City water mains shall be sized to limit the flow velocity to not exceed 5-feet per second under peak hourly flow and 10-feet per second with fire flow.

E. Water Main Sizing & Hydraulic Calculations

Water mains shall be a minimum of 8-inches in diameter. Any exceptions shall be reviewed and approved by the City Engineer on a case-by-case basis. All hydraulic calculations shall be prepared, signed, and sealed by a registered Civil Engineer licensed in the State of California. The calculations shall be submitted to the City Engineer for review and approval.

For pipeline analysis, the maximum Hazen-Williams coefficient (C) shall be assumed to be 120 for cement mortar-lined pipes and 130 for polyvinyl chloride pipes.

F. Title 22 Separation Requirements

The separation of water mains adjacent to sewers, storm drains, and other conduits carrying hazardous fluids shall comply with Section 64572, Title 22, California Code of Regulations, entitled "California Waterworks Standards," as set forth by the California State Water Resource Control Board, Division of Drinking Water (DDW).

The basic separation requirements are listed below for guidance purposes only. The design engineers and contractors shall refer to the Title 22 requirements for details.

- 1) Parallel Construction: The horizontal distance (outside diameter to outside diameter) between water mains and sewer lines shall be a minimum of 10-feet and 4-feet minimum for storm drain lines. The water mains shall be located 1-foot vertically above the top of the sewer and storm drain lines.
- 2) Perpendicular Construction (Crossing): Pressure water mains shall be at least 1-foot above the top of sanitary sewer and storm drain lines without joints within 8-feet over the crossings.
- 3) Common Trench Prohibition: Construction of water and wastewater main lines in the same (common) trench is prohibited.
- 4) Exceptions to Basic Separation Standards: All efforts shall be made to comply with the separation requirements described above; any exceptions shall be reviewed and approved by DDW via a Waiver Process. Title 22 Waivers shall first be reviewed and approved by the City Engineer and Water Manager. The City will coordinate with DDW for final approval.

2.2 PUBLIC WATER EASEMENT

Where a fire line or a water main crosses private property, a licensed surveyor or registered civil engineer (licensed to practice land surveying) shall submit the proposed easements to the City Engineer for review and approval prior to the start of construction. Each sheet is to bear the seal and signature of the responsible person. The easement information shall be legibly, professionally, and sufficiently ready for the retracement of the survey without further research. The project proponents shall provide additional information requested by the City Engineer needed to complete the review and approval of the easement.

A. Public Easement Requirements

The easement will be a minimum of 15-feet wide, with the water line located 5-feet from one side to allow a 10-foot work area. Except for crossings and where approved by the City Engineer, other utilities are not permitted to be installed parallel to the public water main inside the water easement. The water easement will be recorded in the Tract or Parcel Map and shall be indicated on the improvement plans prior to approval by the City. The water easement shall be recorded on a Grant Deed if no map is recorded.

All water service lines from the main up to and including the meter box shall be within the water easement. The developer is responsible for paying all necessary fees to the City to cover the review approval and recordation of the water easement. Fire line or water main on private property within the exclusive water easement will not be classified as a point of service connection unless approved by the City Engineer and Fire Department under unique/special circumstances.

B. Variance & Deviation

Where approved by the City of Oxnard Fire Department for the design of the onsite water system that supplies water to the onsite hydrants to be privately owned, the system shall have backflow prevention device(s) located to prevent possible contamination of the public water from the private water line. The location and type of backflow device will be subject to the City's review and approval prior to installation.

SECTION 3 – MATERIAL REQUIREMENTS

The materials outlined herein have been selected for their strength, durability, and ease of maintenance. Unless specifically approved otherwise by the City Engineer or Water Division Manager, all materials shall be new and unused. American Water Works Association (AWWA), Standard Specifications for Public Works Construction (SSPW), or other standards are referenced where applicable, and it shall be the responsibility of the design engineer and contractor to become familiar with those standards to ensure compliance.

The City established parts standardization, including manufacturer and product names or approved equals. Other products may also meet City requirements; the contractor must indicate that the product/material is equal to the one specified in the construction documents and submit any requested change of materials in writing for City approval prior to placement.

The City reserves the right to discontinue or prohibit the use of any specific product or material. The City Engineer has the sole authority to make such changes based on engineering judgment, product performance, or maintenance criteria.

3.1 MATERIALS OVERVIEW

A. Summary

- 1) All potable water components shall be certified as NSF 61 and lead-free.
- 2) For grant-funded projects and where specified by the City Engineer or Water Manager, any material or item installed in the water system shall be of **American origin** with a certificate of origin.
- 3) Approved equal products from Ford, Jones, Mueller, and McDonald are all acceptable products.
- 4) Each PVC pipeline and polyethylene service shall include a 12-gauge blue insulated copper wire above the pipeline.
- 5) All meters shall read in 10-cubic feet. Water meters 3-inches and larger shall be approved by the City and installed by the contractor.
- 6) The table below summarizes the material requirements. Refer to each specific subsection for further details

SUMMARY OF MATERIALS (1 OF 2)			
Item	Material	Description	Standard/Model
Service Saddles	PVC	CC Thread Outlet	AWWA C800 Ford 202BS
	Ductile Iron, Cast Iron, & AC	CC Thread Outlet	AWWA C800 Ford 202B
Corporation Stops (Ball Type)	1"	AWWA/CC Thread (PEP Pack Joint)	Ford FB 1001-4-NL
	2"	AWWA/CC Thread (CTS Pack Joint)	Ford FB 1000-7-NL
Services	1" service	Polyethylene Pipe IPS SDIR-7	ASTM D2239 PE 4710
	2" Service	Type K Hard Copper Tubing	ASTM B88
		NSF 61 Lead-Free Solder	ASTM B-32
Angle Meter/Curb Stops (Ball Type)	¾" & 1" Meters	City (PEP Pack Joint)	Ford BA63-444W-NL
		Customer w/ Handle (CTS Pack Joint)	Ford BA43-444W-NL
	1.5" & 2" Meters	City & Customer (CTS Pack Joint)	Ford BFA43-777W-NL
Meters	2" and Smaller	E-Series Ultrasonic	Badger No. 100-1596 or Equal
	3" – 8"	E-Series Ultra Sonic Lead-Free Bronze	Badger No. 101-5832
	10" and Larger	Badger Ultra Sonic - TBD by the City	TBD by the City
Meter Boxes	1" Meter	Non-Traffic Rated	Fibrelyte FL30 with AMI Lid
	1.5" & 2" Meter	Non-Traffic Rated	Fibrelyte FL36 with AMI Lid
	1" Meter	Traffic Rated	Armorcast A6001946PCX12 with AMI Lid
	1.5" & 2" Meter	Traffic Rated	Armorcast A6001640PCX12 with AMI Lid
Tapping Sleeves	4" & Larger	Stainless Steel	AWWA C223
Gate Valves	Resilient-Seated Gate Valves	Epoxy Coated	AWWA C509
	Valve Boxes	Traffic Rated	Bingham & Taylor Mark V Heavy Lid 4" Skirt: CUL10HVVY4W Box Flange: CUL10RHVYF

SUMMARY OF MATERIALS (2 OF 2)			
Item	Material	Description	Standard/Model
Water Main Pipes	PVC	Class 305 DR 14	AWWA C900
	Ductile Iron	Class 350	AWWA C151
Coatings and Linings	Ductile Iron Pipe & Fittings	Asphaltic Seal Coat (Inside and Out)	AWWA C151
		Double Cement Lining	AWWA C104
		Exterior Polyethylene Encasement	AWWA C105
Joints	Ductile Iron Pipe Joints	Push-On (Tyton) & Mechanical Rubber Gasket Joints	AWWA C111
		Flanged Joint	AWWA C115
Fittings	Ductile Iron Fittings	Mechanical Restraint Compact Body	AWWA C153
		Mechanical Restraint Full Body	AWWA C110
		Flanged Connection	AWWA C110
		Double Cement Lining	AWWA C104
		Asphaltic Seal Coat (Inside and Out)	AWWA C104/C153
	Nuts and Bolts	Stainless Steel 304/316	ASTM A240
	Gasket (Push-On & Restraint)	Styrene Butadiene Copolymer (SBR)	AWWA C111
	Full Face Gasket 1/8" minimum (Flanged)	Styrene Butadiene Copolymer (SBR) or Ethylene Propylene Diene Monomer (EPDM)	AWWA C111
Fire Hydrants	Ductile Iron Body	Low Residential Jones J 4040 / Clow 850 (4-1/2" x 2-1/2")	AWWA C503
	Ductile Iron Body	Commercial & High Residential Jones J 4065 / Clow 865 (4-1/2" x 4-1/2" x 2-1/2")	AWWA C503
	Hydrant Check Valve	Hydrant Guard HG1-611-611	AWWA C503
Air-Vacuum Combo Valves	2-in & smaller	ARI D040 / APCO 145-C / Crispen U-20	AWWA C512
	Enclosure	24" DIA. X 36" High Polyethylene	Armorcast P6002002

3.2 WATER SERVICE LINE MATERIALS AND FITTINGS

A. Polyethylene Service

- 1) Polyethylene pipe (PE) shall be SDR-7 PE-4710, meeting the Iron Pipe Size standards and conforming to all applicable requirements of AWWA C901 and ASTM D2239. PE installation shall include tubular stainless-steel inserts per ASTM 240-92B. 1-inch PE service lines shall be installed for 3/4-inch and 1-inch meters.
- 2) Marking: PE pipe or tubing shall be permanently indent branded indicating size, manufacturer's name, pressure rating, NSF logo, material designation code, applicable ASTM Specification, date code, and any other appropriate code designation.
- 3) Protection: PE pipe or tubing shall be protected for outdoor storage with suitable wrapping material. Materials stored outside without proper protection will not be accepted for installation.

B. Copper Service

- 1) Type K hard copper shall be used for 1.5 to 2-inch water services, and shall also be used for risers and connections to backflow devices.

C. Corporation Stops

- 1) All corporation stops shall be ball-type with AWWA/CC thread. All brass shall conform to AWWA C800.
- 2) 1-inch corporation stops shall be Ford PEP pack joint **FB 1001** or approved equal for PE services.
- 3) 2-inch corporation stops shall be Ford CTS pack joint part number **FB 1000** or approved equal for copper services.

D. Angle Stops

- 1) All 1-inch City angle meter stops shall be ball-type with Ford PEP pack joint part number **BA63** or approved equal compatible with PE services.

- 2) Customer 1-inch angle meter stops shall be Ford CTS pack joint **BA43** (with handle) compatible with building water service lines.
- 3) All 2-inch angle meter stops shall be Ford CTS pack joint with meter flange part number **BFA43** with insert for copper services. Each customer angle meter stop shall be equipped with a handle.

E. Service Saddles

- 1) General: Service saddles shall be double band/strap brass saddle type with stainless steel band or bronze straps with AWWA/CC outlet thread. All brass shall conform to the requirements of AWWA C800. Gaskets shall be EPDM rubber per ASTM D2000. The outlet tap shall be:
 - PVC C900: Ford **202BS** or approved equal.
 - AC, Ductile Iron, Cast Iron: **Ford 202B** or approved equal.
- 2) All 4-inch service connections or larger shall consist of a tee or tapping tee with a flanged outlet and a flange RS gate valve.

3.3 WATER MAIN PIPE MATERIALS

F. Polyvinyl Chloride (PVC)

- 1) PVC Pipe: PVC Pipe for public water lines shall be **Class 305 DR 14** and conform to the quality and strength requirements of the latest edition of AWWA C-900. All PVC pressure pipes for domestic water applications shall be blue color.
- 2) Pipe Marking: Each pipe length shall be marked with the date of manufacture, nominal pipe size, and OD base, the AWWA pressure class, and the AWWA specification designation AWWA C900.
- 3) Joint Mechanisms: One gasket shall be furnished with each length of elastomeric-gasket bell-end in accordance with the requirements of AWWA C900.
- 4) Coupling and Fittings: PVC couplings shall be supplied with an elastomeric gasket at each end per AWWA C900/C905. Solvent cement joints or couplings are not allowed.
- 5) Fittings: PVC pushed-on fittings are not permitted. Ductile iron fittings shall be used

with PVC pipe, meeting the requirements of AWWA C110 (full body) or C153 (compact). Ductile iron fittings shall be double cement lined with asphaltic coating (inside and out), meeting the requirements of AWWA C104. Nuts and bolts used with fittings shall be stainless steel 304/316. All fittings shall be rated for 250 psi.

- 6) Physical Testing Requirements: All test requirements shall be in accordance with the provisions of AWWA C900.

G. Ductile Iron Pipe

- 1) Ductile Iron Pipe: Ductile iron pipe shall be **Pressure Class 350** with push-on or mechanical joints, restrained joints, plain ends, or cast flange ends conforming to the requirements of the latest edition of AWWA C151.
- 2) Special Thickness Class: Minimum wall thickness for pipe having threaded, grooved, or ball and socket ends shall be Special Thickness Class 53 in accordance with AWWA C150 & C151.
- 3) Lining and Coating: Ductile iron pipe shall be double-cement mortar lined meeting the requirements of AWWA C104. The interior and exterior coating shall have a bituminous coating approximately one (1) mil thick.
- 4) Push Joints: Unless otherwise called out on the plans, "Tyton®" type push-on joints shall be used. The joint dimension and gasket shall be as specified in AWWA C111.
- 5) Fittings: Ductile iron fittings, mechanical joint or flanged, shall be used with ductile iron pipe meeting the requirements of AWWA C110 (full body) or C153 (compact). Ductile iron fittings shall be double cement lined with bituminous coating inside and out, meeting the requirements of AWWA C104. Nuts and bolts used with fittings shall be stainless steel 304/316. All fittings shall be rated for 250 psi
- 6) Polyethylene Encasement shall be furnished and installed in accordance with AWWA C105 and shall protect the outside surface of pipes and fittings. Ductile iron pipes and fittings shall be polyethylene encased.
- 7) Gaskets:
 - Mechanical, push-on, and restrained joints shall be synthetic or natural rubber in accordance with AWWA C111.

- Gaskets for flanged joints shall be 1/8-inch thick. Full-face type gaskets with pre-punched holes shall be used where both flanges have flat faces. Ring gaskets extending to the inner edge of the bolts may be used where a raised face flange is present.

H. Steel Pipe

- 1) General: The use of steel pipe is not permitted unless where deemed necessary and approved by the City Engineer. The specifications provided herein for steel pipe are for guidance only.
- 2) Steel Pipe: Steel Pipe shall conform to AWWA C-200, AWWA M-11, latest edition. Steel shall be ASTM A-36, ASTM A-1011 or A-1018, Grade 36, having a 0.25% maximum carbon content. Cylinders shall be fabricated from hot-rolled carbon steel sheets or plates conforming to ASTM A570 or ASTM A283, with a minimum yield point of 33,000 psi, or shall conform to ASTM A53, Type E or S, Grade B.
- 3) Pipe Thickness: Steel cylinder shall be a minimum of 0.188-inches thick for straight runs of distribution and transmission pipe with diameters less than 30-inches and shall be a minimum of 0.25 inches for diameters 30-inches and larger.

The minimum wall thickness shall be 0.25 inches for all pipe specials, and all pipes regardless of size, within 10-feet of structures, vaults, and other significant pipe appurtenances (such as blow-offs, manways, PRV vaults, valve vaults, meter vaults, pump stations, etc.); wherever the pipe is to be installed or jacked inside pipe casings; and wherever pipe penetrations are required.

- 4) Lining: All steel pipes shall have cement-mortar lining in accordance with AWWA C205. Cement for mortar shall be in accordance with ASTM C150, Type II or V. The minimum lining thickness shall be per AWWA C205 and is summarized below:

<u>Nominal Pipe Diameter</u>	<u>Lining Thickness</u>	<u>Tolerance</u>
4" to 10"	1/4"	-1/16" to +1/8"
11" to 23"	5/16"	-1/16" to +1/8"
24" to 36"	3/8"	-1/16" to +1/8"

- 5) Coating: Cement-mortar coating shall meet the requirements of AWWA C205 and shall be ASTM C150, Type V.

Cement Mortar Coating Thickness		
Nominal Pipe Size	Coating Thickness	Thickness Tolerance
<u>Inches</u>	<u>Inches</u>	<u>Inches</u>
6"-10"	1/2	-0 + 1/ 8
12 "-16"	5/8	-0 + 1/ 8
18" and larger	3/4	-0 + 1/ 8

Reinforcement for the coating of pipe section shall be one of the following as specified by the supplier:

- Spiral wire - 15 gage @ max. 1-1/4" spacing with wire meeting ASTM A82.
- Wire fabric - 2x4 steel wire mesh, 13 gage each way meeting ASTM A185.
- Ribbon mesh - 18 gage wire or 1-1/2 x 1-1/4 mesh of 17 gage wire all meeting ASTM A82.

- 6) Fittings: Minimum wall thickness of all fittings (pipe specials) shall be 0.25-inches. Fittings 4 through 10-inches shall be designed for 250 psi and conform to ANSI B16.9. Fittings 12-inches diameter and larger shall comply with AWWA C208. Note, the minimum plate thickness required for the steel pipe shall also apply to fittings. Reinforcement of fittings shall be in accordance with AWWA M11.

Material for fittings 4 through 10-inches shall comply with ASTM A-234, Grade WPB. Material for fittings larger than 10-inches but less than or equal to 30-inches in diameter shall be the same as the pipe. Cement-mortar lining and ID dimensions shall be the same as the specified pipe.

- 7) Bolts, Nuts, and Gaskets for Joints and Flanges: Bolts and nuts for flanges shall be Type 316 stainless steel. Gaskets shall be NSF 61 certified and be composed of synthetic fiber with rubber binder and shall be "full faced", 1/8-inch thick. Gaskets shall conform dimensionally to ANSI B16.21.
- 8) Grooved End Fittings: Fittings smaller the 24-inches in diameter with grooved ends shall have rolled grooves, flexible type, with dimensions as shown in AWWA C-606, Table 3. Steel wall thickness shall be standard weight, ANSI B36.10. Cement-mortar lining and ID dimensions shall be the same as the specified pipe.

- 9) Welded Fittings: Welded joints shall be lap welded – double lap welded or joined by butt-strap connection. One of each section shall be swaged out to form a female or bell end, which allows the male or spigot end to enter approximately 1-inch with a clearance of approximately 1/32-inch. The spigot end shall be “sized” to permit it to enter the bell end of the adjacent section and the weld bead shall be ground flush for the distance it is to enter the bell end. Welders shall be qualified under the provisions of ANSI/AWS D1.1 by an independent local, approved testing agency not more than 6 months prior to commencing work on the pipeline.

3.4 MAIN LINE COUPLINGS

A. Ductile Iron Flexible Couplings

- 1) Ductile iron couplings meeting the requirements of ASTM A536 and manufactured in accordance with the requirements of AWWA C219 for unrestrained coupling used to join plain end pipes shall be either two-bolt or multi-bolts with a minimum rated pressure of 250 psi working pressure. All flexible couplings shall be fusion-bonded epoxy lined and coated in accordance with AWWA C213. The minimum center sleeve length shall be 7-inches for pipe sizes up to 6-inches in diameter; 10- inches for pipe sizes larger than 6-inches pipe diameters.
- 2) Sleeve Bolts: Sleeve bolts shall be corrosion-resistant Type 304/316 stainless steel with minimum yield strength of 45,000 psi and shall conform to ASTM-A-193 and AWWA C111.
- 3) Transition Couplings: These are designed to connect pipes of the nominal size, but different materials shall be ductile iron, meeting the requirements of ASTM A536 and manufactured in accordance with the requirements of AWWA C219. Transitional coupling shall have a 250 psi rated working pressure with fusion-bonded epoxy lined and coated in accordance with AWWAC213 using stainless steel 316 fasteners, nuts, and bolts.

B. Restraint Couplings

- 1) Ductile iron restraint couplings shall meet the requirements of ASTM A536 with 250-psi rated working pressure with fusion-bonded epoxy lined and coated in accordance with AWWAC213 with stainless steel 304/316 fasteners, nuts, and bolts.

3.5 MAIN LINE VALVES

A. Gate Valve (4" – 12")

- 1) General: For 4-inch through 12-inch diameter valves, the contractor shall provide epoxy-coated, resilient-seated gate valves with FL x MJ. Valves larger than 12-inches in diameter shall be project-specific and receive approval from the City Engineer or Water Division Manager.
- 2) Resilient Seated Gate Valves: 4-Inches Through 12-Inches: Resilient seated wedge-type gate valves shall conform to AWWA 509 and the following requirements. Valve shall have a wedge-type resilient seat, fully encapsulated in peroxide-cured EPDM. Valves shall be designed for a minimum working pressure of 200 psi.
- 3) Stem: Valves shall have non-rising stems fabricated of Type 304 or Type 316 stainless steel. As an alternative stem material may be high-strength bronze alloy. Stem nuts shall be independent of the gate and shall be made of bronze.

Low friction and torque reduction thrust bearings shall be provided both above and below the stem collar. Stuffing boxes shall be O-ring seal type with two rings located in the stem above the thrust collar. Stem shall be equipped with a 2-inch AWWA square nut and shall turn in a counter-clockwise direction to open the valve.

- 4) Valve Stem Extension: A valve stem extension shall be provided for each valve having an operating nut more than 40" below finished grade. Extension stem either of standard manufacture or shop fabricated shall bring the operating nut within 12-inches of the surface.

The extension stem shall be made of a solid round steel bar of a diameter equal to the valve stem diameter with a minimum of 1-inch diameter or extra heavy steel pipe of diameter equal to 1.25 times the valve stem diameter with a minimum of 1.25-inch diameter.

- 5) Coating: Valves shall be factory-coated with fusion-bonded epoxy on all interior and exterior surfaces. Epoxy coating shall be in accordance with ANSI/AWWA C550 Standard.
- 6) Polyethylene Wrap: Buried valves shall be wrapped with two layers of 8-mil polyethylene wrap per AWWA C105 and secured with a 10-mil thick corrosion protection tape.

- 7) Valve Anchor: Valves shall be anchored in concrete as specified by the Standard Plate. Supports are not required for buried valves bolted to flanged pipe or fixed or supported fittings. Supports shall be installed prior to pressurizing the system.
- 8) Boxes & Risers: Valve boxes shall be **Bingham & Taylor Mark V Heavy** with 8-inch PVC SDR-35 risers.

B. Butterfly Valves

- 1) General: Butterfly valves shall be in accordance with the requirements of AWWA C504, Class 250B, and shall be permitted only when specifically called for in the plans and approved by the City Engineer or Water Division Manager.
- 2) Valve Body: Shall be ductile iron with integrally cast mechanical joint or flanged ends.
- 3) Nuts and Bolts: Body bolts for all valves shall be Type 304/316 stainless steel.
- 4) Valve Operators: Shall be of the manual traveling nut design. Operators shall be equipped with a 2-inch AWWA square operating nut and shall turn in a counter-clockwise direction to open the valve. The valve operators shall be sealed and gasketed and lubricated for underground service and have stops in the open/close position. The actuator shall have a mechanical stop which will withstand an input torque of 450 ft-lbs against the stop.
- 5) Coating: Valves shall be factory-coated with fusion-bonded epoxy on all interior and exterior surfaces. Epoxy coating shall be in accordance with ANSI/AWWA C550 Standard.
- 6) Polyethylene Wrap: Buried valves shall be wrapped with two layers of 8-mil polyethylene wrap per AWWA C105 and secured with a 10-mil thick corrosion protection tape.
- 7) Valve Anchor: Valves shall be anchored in concrete as specified by the Standard Plate. Supports are not required for buried valves bolted to flanged pipe or fixed or supported fittings. Supports shall be installed prior to pressurizing the system.
- 8) Valve Boxes & Risers: Valve boxes shall be Bingham & Taylor Mark V Heavy with 4-inch skirt and box flange along with 8-inch PVC SDR-35 risers.

C. Tapping Sleeves and Valves

- 1) Tapping sleeves shall be made of stainless steel, including the bolts, nuts, and washers, and shall be made in accordance with AWWA C223 and shall be 200 psi working rated pressure.
- 2) Tapping valves shall be resilient-wedge gate valves.

3.6 SPECIALTY VALVES

D. Combination Air Release and Vacuum Assemblies

- 1) Combination Air Release and Vacuum Relief Valves (1-inch through 2-inch): Shall consist of both an air and vacuum valve and air-release functions contained in one body. The air and vacuum shall serve to release and admit large quantities of air when pipelines are filled and drained. The air-release shall serve to release small quantities of air that accumulate during pipeline operation. Valves shall have an operating pressure of 150 psi. Valves shall be **ARI D-040** or equal.
- 2) Air-Release Valves: 3-inch and greater, shall be project-specific and approved by the City Water Division.
- 3) Vented Cover: 2-inch and smaller valves shall be enclosed inside a removable, cylindrically-shaped, vented cover. Vented covers shall be manufactured of linear-low-density polyethylene (LLDPE) as made by **Amorcast** Products, Pipeline Products, Inc. or equal. The color of the vented cover shall be Sandstone for potable water applications and purple for recycled water applications. The cover shall be 18-inches diameter by 30-inches high vented enclosure.
- 4) 3-inch and Greater: Valves enclosure shall be project-specific and approved by the City Water Division.

3.7 FIRE HYDRANTS

E. Fire Hydrants

- 1) General: Fire Hydrants shall conform to AWWA C503 unless otherwise specified. Hydrant bodies will be all ductile iron construction. Fluted design. Fire hydrants shall have a 6-inch barrel unless otherwise noted. The sizing and type of City of Oxnard-approved hydrants are as follows:

Type Residential R-1	4" x 2-1/2" Jones Triton J-4040 or equal
Type II R-2 or greater Multi-Family, Commercial, Industrial	4" x 4" x 2-1/2" Jones Triton J-4065 or equal

- 2) Bury shall have a minimum inlet size of 6-inches with mechanical joint. Hydrant mounting flange shall be six-hole pattern on 9.44 centers. Bury and extension sections shall be as manufactured by Clow, Tyler, South Bay Foundry, or equal.
- 3) Hydrant bodies shall have a mounting flange with six-hole pattern on 9.44 centers. Required nozzles shall be individually controlled with rubber disc, compression type valve and shall be fitted with threaded protecting caps. Nozzle threads shall conform to ANSI (ASA) B 26 National Standard fire hose coupling screw threads.
- 4) Break-Off Check Valves: Break-off check valves shall be installed with all fire hydrants meeting the requirements of AWWA C503. The product shall be Hydrant Guard HG1-611-611 or approved equal.
- 5) Coating: Interior ferrous surfaces of the bury and spool shall be coated with cement mortar and bituminous asphalt inside and out.
- 6) Exterior Painting: Fire hydrants shall be surface prepared to receive paint by scraping and wire brushing, and shall be painted with one coat of primer, Dunn-Edwards 42-44 and two coats of Dunn-Edwards Hi-Visibility Yellow, Syn-Lustro #10-14, or approved equal.

3.8 TRENCH BACKFILL

A. Pipe Zone

- 1) The pipe zone shall include the full width of the trench from the bottom of the pipe or conduit to a horizontal level 12-inches above the top of the pipe. Where multiple pipes or conduits are placed in the same trench, the pipe zone shall extend from the bottom of the lowest pipes to a horizontal level above the top of the highest or topmost pipe.

- 2) **Pipe Zone and Pipe Base** - The pipe base and pipe zone backfill material shall be imported sand and shall conform to the following gradation with a minimum sand equivalent of 50 per ASTM D2419:

Sieve Size	Percent Passing
3/8 – inch	100
No. 4	75-100
No. 30	12-50
No. 100	5-20
No. 200	0-10

B. Trench Zone

- 1) **Trench Zone** - Native or imported backfill with a minimum sand equivalent of 20 per ASTM D2419 and shall be fine-grained non-organic materials free from peat, roots, debris, and rocks larger than 3-inches, and which can be compacted to 95% relative compaction, unless otherwise directed by the jurisdictional agency. Trench zone backfill for all public streets shall be in accordance with City Standard Plates or as specified by the jurisdictional agency and as shown on the agency's typical trench detail.
- 2) **Slurry Backfill**: A cement/sand slurry mix of 1-1/2 sacks may be used in lieu of compacted soils backfill.

C. Slurry Backfill

- 3) **Trench Zone** - Native or imported backfill shall be excavated, fine-grained non-organic materials free from peat, roots, debris, and rocks larger than 3-inches, and which can be compacted to the specified relative compaction unless otherwise directed by the jurisdictional agency. Trench zone backfill for all public streets shall be in accordance with City Standard Plates or as specified by the jurisdictional agency and as shown on the agency's typical trench detail.

D. Gravel or Crushed Rock.

- 1) **Refill Material for Foundation Stabilization** - Refill material below the pipe shall be material conforming to the size requirement for gravel or crushed rock conforming to the Standard Specifications for Public Works Construction, Section 200-1.2 and shall meet the following gradation:

Sieve Size	Designated Material Size Percent Passing by Weight		
	1-1/2-inch	1-inch	3/4-inch
2-inches	100	--	--
1-1/2-inches	90-100	100	--
1-inch	20-55	90-100	100
3/4-inch	0-15	30-60	90-100
1/2-inch	--	0-20	30-60
3/8-inch	0-5	--	0-20
No. 4	--	0-5	0-5
No. 8	--	--	--

3.8 CONCRETE AND REINFORCING STEEL

A. Concrete

- 1) Concrete material shall consist of portland cement, concrete aggregates, and water, meeting Standard Specifications for Public Works Construction Concrete Class 560-C-3250.

B. Reinforcing Steel

- 1) Concrete reinforcement bars shall be Grade 40 minimum deformed bars meeting the requirements of ASTM A615. Where bars are used as tie-down in anchor or thrust blocks, they shall be with a bitumastic coal tar epoxy coating.
- 2) Steel mesh reinforcement shall be in accordance with the requirements of ASTM A185.

E. Bollards

- 1) Steel bollards: Where fire hydrants are not located behind a curb, bollards constructed to protect fire hydrants shall be A-120 steel pipe 4-inches in diameter and a minimum of 0.25-inches of wall thickness filled with concrete or approved equal. The bollards shall be painted yellow, matching the fire hydrant.

SECTION 4 – EXISTING FACILITIES

The contractor shall be responsible for potholing and determining in advance the location and elevation of all existing pipelines to which connections are to be made. Discrepancies shall be reported to the City and design engineer prior to the fabrication of or purchase of material affected by the discrepancy.

The contractor shall notify Underground Service Alert of Southern California (**USA Dig Alert**) at least two working days prior to construction at 1-800-422-4133.

The City does not warranty the condition, size, material, and location of existing facilities. The contractor shall be responsible for verifying the properties of the existing pipe that will be connected to the proposed piping.

4.1 PROTECTION

A. Protection of Existing Utilities and Facilities

- 1) The contractor shall be responsible for the care and protection of all existing sewer pipes, water pipes, gas mains, culverts, power or communications lines, sidewalks, curbs, pavement, or other facilities and structures that may be encountered in or near the area of the work.
- 2) It shall be the duty of the contractor to notify **USA Dig Alert** and each agency of jurisdiction and make arrangements for locating their facilities prior to construction.
- 3) The contractor shall submit a plan as to the method the contractor will use to protect and support any utilities that will become exposed during excavation or that are vulnerable to failure due to unsupported trenches or other construction activity.
- 4) In the event of damage to any existing facilities during the work progress and of the failure of the contractor to exercise the proper precautions, the contractor will pay for the cost of all repairs and protection to said facilities. The contractor's work may be stopped until repair operations are complete.
- 5) The contractor shall provide temporary support for all pipelines crossing the proposed trench. All pipelines 18-inches in diameter or larger crossing over the proposed water main with less than four (4) feet of clearance shall have concrete support poured as

shown on the drawings or as directed by the City Representative. All pipelines less than 18-inches in diameter and crossing over the proposed water main with less than two (2) feet of clearance shall be protected by pouring a 1.5-sack sand/cement slurry from the top of the water main to the bottom of the crossing pipeline.

- 6) The contractor shall protect the thrust blocks in place or shore to resist the thrust by a means acceptable to the City.
- 7) If the thrust blocks are exposed or rendered to be ineffective in the opinion of the City, the contractor shall reconstruct the thrust block to bear against firm unexcavated or backfill material. Provide firm support by backfilling that portion of the trench for a distance of a minimum of two (2) feet on each side of the thrust block to be reconstructed from the pipe bedding to the pavement subgrade, with 1.5-sack sand-cement slurry. Excavate the backfill material for construction of the thrust block.

4.2 REMOVAL

A. Removal of Existing Utilities and Facilities

- 1) Removal of existing pipelines shall mean complete removal of the existing pipeline and disposal of the pipe and appurtenances designated as unsalvageable. The contractor is responsible for the disposal of all pipe materials and associated costs.
- 2) All water service surface fittings, meters, meter boxes, and customer service valves shall be removed. The service line and corporation stop shall be removed, the service saddle plugged with a brass (lead-free) plug, or its service saddle and corporation stop removed, and the tap plugged with a repair clamp unless directed otherwise by the City. If there is no corporation stop on the service, the adapter shall be removed, and a brass plug shall be installed in the service saddle. If the water service is a direct tap, the corporation stop shall be removed, and a repair clamp shall be installed.
- 3) All portions of the vault or structure to be abandoned shall be removed to a point six (6) feet below the finished ground surface. The remaining portions of the vault shall be filled with 1.5-sack sand cement slurry. A sufficient quantity of holes shall be provided through the bottom of the vault to allow for water to drain out of the abandoned structure.
- 4) All asphalt and concrete and other pavement removed or damaged during the course of construction shall be restored to the standard of the jurisdiction having authority.

SECTION 5 – CONSTRUCTION DETAILS

Improvement plans with proposed service locations shall be submitted to the Community Development Department for review and approval of service locations. The contractor shall install all public water system and components consistent with the Standard Specifications for Public Works Construction (SSPW) except where specified herein.

5.1 GENERAL

- 1) All services shall be installed at the locations as shown on the approved plans. Locations shall be in the public right-of-way at 18 inches or greater from the side property line.
- 2) Water service connections shall be installed in conformance with the water standard plates and other applicable approved drawings.

5.2 HANDLING AND LAYING PIPE

- 1) All foreign matter or dirt shall be removed from the inside of the pipe before it is lowered into its position in the trench, and it shall be kept clean by approved means during and after laying. All openings in the pipeline shall be closed with watertight expandable type sewer plugs or PVC C900 test plugs at the end of each day's operation or whenever the pipe openings are left unattended. The use of burlap, wood, or other similar temporary plugs will not be permitted.
- 2) At times when pipe laying is not in progress, the open ends of the pipe shall be closed by approved means, and no trench water shall be permitted to enter the pipe.
- 3) Whenever water is excluded from the interior of the pipe, adequate backfill shall be deposited on the pipe to prevent floating. Any pipe that has floated shall be removed from the trench and be re-laid as directed by the engineer.
- 4) Neither PVC nor ductile iron pipe shall be de-flected vertically or horizontally in excess of the recommendation by the manufacturer of the coupling.
- 5) Onsite pipe storage shall be limited to a maximum of one week unless an exception is approved by the City.
- 6) Plastic caps placed over the ends of the steel pipe shall not be removed until the pipe is

ready to be placed in the trench. Plastic caps may be opened temporarily to spray water inside the pipe for moisture control.

- 7) Sewer and Storm Crossings: All crossings shall meet the latest Title 22 separation requirements.
- 8) Casings: Casings shall be installed where dedicated on the plans by jacking or boring. Casings shall be of smooth steel, coat tar enamel coated with diameter and cylinder thickness as shown on the plans and Standard Plate. Installations of the water main within the casing shall comply with the applicable pipe manufacturer's recommendations. Synthetic skids used to convey the pipe through the casing shall be sized to maintain a uniform space between the pipe and casing, which shall be sand or a material designated by the design engineer.
- 9) If deemed necessary to fill voids outside the casing well, holes shall be provided at 4-foot intervals, staggered longitudinally for injection of cement mortar grout. The ends of the casings shall be sealed with portland cement concrete or approved flexible material. If a rigid connection is made between the casing and PVC pipe, a flexible joint shall be made at a point not more than two feet from each end of the casing.
- 10) Pipe installed in casing and offset shall be ductile iron. Joints shall be US pipe TR Flex restrain joint or approved equal.
- 11) Offset section will include a blow-off valve and air-vac breaker.
- 12) Thrust blocks are required at each elbow in addition to mechanical restraint joints per standard plate.

5.3 INSTALLING VALVE AND BOXES

- 1) Gate Valves: All resilient gate valves shall be anchored in concrete in the manner shown on standard plate. Care shall be taken to prevent concrete from running over the valve bells against the pipe or into the bells and to keep the bonnet bolts accessible. Any concrete on the operating nut, stem packing glands, or bonnets shall be removed.
- 2) Butterfly Valves: All butterfly valves shall be anchored in concrete in the manner shown on standard plate. Care shall be taken to prevent the concrete from running over the valve bells against the pipe or into the bells and to keep the valve operator bolts accessible. Any concrete on the operating nut, stem packing glands, or bonnets shall be removed.
- 3) Valve Boxes: Valve boxes shall be installed by the contractor at each valve location. The

boxes shall be so placed that they will just cover the packing glands of the valves and so that settlement of one and one-half inches will not bring the bottom of the boxes into contact with the valves. Boxes shall be set plumb and centered over the operating nut of the valve.

5.4 INSTALLING FIRE HYDRANTS

- 1) Standard Fire Hydrant: The location of hydrants shall be shown on the plans. Where hydrants are to be placed at corners, they shall be located five feet before the beginning of the curb curve. At locations on other corners, they shall be placed as close to property lines between lots as field conditions permit, except that they shall not be within five feet of the driveway. The fire hydrant lateral shall be perpendicular to the water main.
- 2) The complete hydrant installation will include a main line MJ tee with a six-inch flanged outlet, and a six-inch flange by MJ valve. A 6-inch MJ bury with a check valve. In parkways, the bury and spool shall be set so that its flanged outlet is approximately three- inches above the top of the curb.
- 3) The hydrant body shall be set on the bury so that the outlets are aligned to the curb, as shown on the standard plate. Acceptable breakaway bolts shall be used with nuts on the underside of the flange. Upon completion of the installation, the hydrant shall be cleaned of all concrete, dirt, and debris, and all exposed iron or steel parts, including bolts, shall be painted.

5.5 THRUST BLOCKING

All fittings, hydrants, reducers, caps, and line valves subject to thrust action from line or test pressure shall be checked against thrust by “poured in place” concrete blocks of sufficient size as determined by the engineer. Thrust blocks shall consist of concrete developing a compressive set strength 3,000 psi in 28 days, poured against undisturbed earth in such a manner that all joints are exposed.

5.6 AIR AND VACUUM VALVES

Air release and vacuum valves shall be installed where indicated on the plans and where directed by the engineer. Installation shall consist of a corporation stop, service saddle, copper tubing, curb stop, air-vac valve with return bend, and housing. Valve assembly shall be installed above ground and in accordance with standard plate.

5.7 SERVICES

- 1) All services, unless otherwise indicated on the plans or specified in the special conditions, of new water services from 1 to 2 inches in size shall be as shown on standard plates and shall include excavation and backfill, furnishing, installing, testing, and disinfection of service tubing, tube fittings, corporation stops, and curb or angle stops with an appropriate fitting for meter connection.
- 2) All services 1 to 2-inches, including the meters, shall be within the City right-of-way or easement. Services include domestic, irrigation, fire sprinkler, and any other type of water service, from the city water system to private property. Water meters 3-inches and larger shall be installed as part of the backflow devices located at a maximum distance of 5-feet from the right-of-way or within the public utilities/water easement.
- 3) Services shall not be installed on private property without easement of public water/utilities.
- 4) A backflow assembly shall be installed on all irrigation, fire, commercial, industrial, and multi-family services. See backflow types and requirements under **CROSS-CONNECTION**. Backflow assemblies shall be located 5 feet maximum from the property line or City water easement closest to the water meters.
- 5) Services 4-inches and larger shall include a tee, valve, thrust block, ductile iron fittings, and cap or plug. All service runs shall be perpendicular to the main for their entire length.
- 6) All polyethylene services shall be perpendicular to the main, with a blue 12 gauge locating wire installed.
- 7) Meter boxes subject to traffic shall be traffic-rated lids.
- 8) If necessary, jumpers may be provided by the City as approved by the Water Manager.
- 9) Contractor shall have a service tapping card on file for each service.
- 10) The service pipe and tailpiece shall be the same size as the meter for 1 to 2-inch meters. A 3/4-inch meter shall have 1-inch service pipe from the main.
- 11) The building service line after the tailpiece may be a larger pipe diameter per approved plans.

- 12) Service saddle shall be used for all service connections. Direct tap or other methods are not to be used unless existing pipe conditions do not allow the installation of the service saddle. In such scenario, the contractor shall submit a proposed method to the City Engineer for approval.
- 13) Corporation stops shall not be located within 12-inches (measured longitudinally along pipe) of each other.
- 14) All copper service pipes and fittings for 1.5-inch and 2-inch services shall be copper Type K sweat joint using lead-free solder. 1-inch water services shall be polyethylene pipe with pack joint style and stainless-steel inserts.
- 15) Services and laterals larger than 2-inches shall be constructed using C900 PVC DR 14 or Ductile Iron Pipe with the minimum service size of 4-inches. All services shall be tested prior to backfilling. A minimum separation of 10-feet shall be maintained between water services and sewer laterals.

5.8 EXISTING WATER SERVICES

- 1) Transferring Services: If an existing service meets the requirements of these specifications and is deemed acceptable by the Water Manager, it need not be renewed or replaced. It may be disconnected from the existing main and reconnected to the main, with all additional material and labor required furnished by the contractor unless otherwise specifically provided in special condition.
- 2) Replacing Services: Galvanized black iron or PVC services not meeting the requirements of these specifications or services acceptable to the Water Manager shall be replaced by new material conforming to the requirements of these specifications. Where an existing service is on flat rate and does not include a meter, the replacement shall consist of a connection to the main (with service saddle, if required), service line, meter stops, meter, meter box, and connection to the customer's service at property line. The contractor shall furnish all necessary labor and materials for the replacement with the approval of the City Engineer.

SECTION 6 – TESTING AND DISINFECTING WATER MAINS

The contractor shall test all newly constructed waterlines, service lines, and appurtenant structures for pressure and leakage; all lines and structures shall be cleaned and disinfected at the contractor's expense prior to acceptance by the City.

Testing and disinfection of water mains and appurtenances shall be per the applicable AWWA Standards except as modified herein. The contractor shall provide written approval of the Water Manager's disinfection plan before conducting the testing and disinfection. The contractor shall coordinate with the City Inspector and establish the testing schedule before the actual time of testing and disinfection. Testing shall not commence until the City Inspector approves the schedule.

When the pressure test, leakage test, chlorination, or bacteriological and plate count tests fail to meet the requirement of the specifications, the contractor shall, at his/her own expense, make the necessary repairs, replacements, or repetition of procedures to conform to the specified requirements. The contractor shall correct all defects in workmanship or materials that become evident by inspection or testing at any time during the work. The contractor shall perform all testing and disinfection after the complete installation and compaction of all underground utilities.

The contractor shall provide city-approved backflow prevention assemblies and a temporary hydrant meter or construction meter to account for water usage prior to the commencement of any procedure(s) hereinafter.

6.1 PRESSURE TESTING

Hydrostatic testing aims to test for the ability of the water system to withstand required pressure and to ensure the pipeline does not leak. Hydrostatic tests shall be conducted in accordance with the following:

Hydrostatic Testing Criteria	
Pipe Material	Criteria
Steel	AWWA Manual of Water Supply Practices M11, Steel Pipe - A Guide for Design and Installation.
Polyvinyl Chloride (PVC)	AWWA Manual of Water Supply Practices M23, PVC Pipe-Design, and Installation, and ANSI/AWWA Standard C605; Underground Installation of Polyvinyl Chloride (PVC) Pressure Pipe and Fittings for Water.
Ductile Iron (DI)	AWWA Manual of Water Supply Practices M41, Ductile-Iron Pipe, and Fittings. ANSI/AWWA Standard C600; Installation of Ductile-Iron Water Mains and Their Appurtenances.

- 1) All water mains and appurtenances shall be tested as described herein; the pressure test shall not be performed until the following conditions have been met:
 - In areas where a pavement surfacing is to be constructed, the pressure test shall be performed only after other utilities such as storm drains and sanitary sewers have been installed;
 - Subgrade materials of the portion of the pavement area have been constructed to proper grade, and all compaction tests, including tests for water trenches, have been approved by the City;
 - All services, fire hydrants, meter boxes, and other appurtenances have been installed and adjusted to final grade and location;
 - All concrete anchor and thrust blocks shall have cured at least three (3) days;
- 2) A blind flange or other approved mechanical separation shall be provided between the backflow prevention assemblies and pipe sections undergoing pressure to prevent pressure from being exerted against the backflow prevention assembly check valves.
- 3) All air shall be purged from the pipeline before checking for leaks or performing pressure tests on the system. To accomplish this, if air valves or other outlets are not available at high points, taps shall be made to expel the air, and these taps shall be tightly plugged after testing.

- 4) The maximum length of pipe to be included in any one test shall be not more than 2,500 feet or the distance between valves, whichever is less. The contractor shall provide suitable test bulkheads, blocking, and fittings to permit such sectionalizing.
- 5) Pressurization:
 - a. After the pipeline has been filled and allowed to sit a minimum of 48 hours (72 hours for mortar-lined pipelines), the pressure in the pipeline shall then be pumped up to the specified test pressure.
 - b. If a large quantity of water is required to increase the pressure during testing, entrapped air, leakage at joints, or a broken pipe may be suspected. TESTS SHOULD BE DISCONTINUED until the source of trouble is identified and corrected.
 - c. Field Test Pressure: Unless otherwise specified, the pipeline shall be subjected to a field hydrostatic pressure of 200 psi pressure for a minimum period of 15 minutes and 4 hours at 150 psi.
- 6) Allowable Leakage Pipelines of Diameter 10-inches and Under:
 - a. When the test pressure has been reached, pumping shall be discontinued until the pressure in the line has dropped 5 psi, at which time the pressure shall again be pumped up to the specified test pressure. This procedure shall be repeated until four hours have elapsed from the time the specified test pressure was first applied. At the end of the four-hour period, the pressure shall be pumped up to the test pressure for the last time.
 - b. The leakage shall be considered as the total amount of water pumped into the pipeline during the four-hour period, including the amount required to reach the test pressure for the final time. The following table indicates the leakage allowance for various sizes of pipe and test pressures:

Allowable Leakage Gallons per Hour (per 100 ft of Pipe)		
Diameter	Test Pressure 150 psi	Test Pressure 200 psi
4"	0.033	0.038
6"	0.050	0.057
8"	0.066	0.760
10"	0.083	0.096
12"	0.099	0.115
14"	0.115	0.134
16"	0.132	0.153
18"	0.149	0.172

- 7) Note the allowable leakage rate for pipeline sections with flanged, welded, and/or grooved-end joints shall show zero.
- 8) Repetition of Test: If the actual leakage exceeds the allowable, the faulty work shall be located and corrected, and the test shall be repeated. The work shall be restored, and all damage resulting from leaks repaired. All visible leakage shall be eliminated.
- 9) Bulkhead and Test Facility Removal: After a satisfactory test, the water shall be drained, test bulkheads and other test facilities removed, pipe coatings restored, and the section of pipe shall be connected to the adjacent piping.

6.2 FLUSHING

- 1) Newly constructed water mains shall be flushed with potable water before disinfection. The primary purpose of flushing is to remove the sediments and miscellaneous products of construction. Included shall be service lines, fire hydrants, valves, and all other accessories.
- 2) The contractor shall provide a sufficient number of suitable outlets at the end(s) of the line(s) being sterilized, in addition to those required by the plans, to permit the main to be flushed with water at a velocity of at least 2.5-feet per second over its entire length.

Minimum Flushing Flow Rate for Velocity of 2.5 (fps)		
Nominal Inside Diameter <u>Inches</u>	Minimum Flushing Flow <u>Gallons Per Min</u>	Minimum Blow-off Size <u>Inches</u>
4	100	1
6	220	1.5
8	390	2
10	610	2.5
12	880	3
14	1200	3.5
16	1565	3.5
18	1980	4

- 3) Flushing shall not be a substitute for preventive measures. If the City Inspector observes dirt in the pipe, the interior of the pipe shall be cleaned and swabbed as necessary with a 12.5% hypochlorite disinfecting solution and may require additional bacteria samples.
- 4) The contractor shall remove the flushing water or the chlorinated water from the project area. The contractor shall be responsible for any damage resulting from flushing operations.
- 5) The contractor shall obtain a wastewater discharge permit from the Environmental Compliance Division before discharging to the public sewer system. The contractor shall ensure that the flushed water has a residual chlorine content that does not exceed 0.10 mg/L.

6.3 DISINFECTION

- 1) All newly constructed water mains and appurtenances shall be disinfected following AWWAC-651, Disinfecting Water Mains, except as modified herein. Disinfection shall be performed after the pressure and leakage tests have been performed by the contractor and accepted by the City.

- 2) Chlorine used for disinfection must be a liquid chlorine solution. The liquid chlorine and sodium salts, making up the sodium hypochlorite solution (sodium hypochlorite less than or equal to 15%; typically 12.5%), shall be fed directly into the water main pipe. NSF/ANSI 61 sodium hypochlorite shall be approved for potable water use. The contractor shall follow the safe handling practices outlined in AWWA M20 - Water Chlorination/Chlorination Practices.
- 3) The chlorine solution shall be used using the continuous feed method as outlined in subsection 5.2 of AWWAC-651-05 except when modified by the Water Manager. Water dosed with chlorine is fed into the line at a constant rate such that the chlorine concentration of the water in the pipe is maintained at a minimum of 50 mg/L and a maximum of 150 mg/L available chlorine. The chlorine application shall not cease until the entire main is filled with the chlorine solution, and all valves and hydrants shall be operated to disinfect the appurtenances.
- 4) The chlorinated water shall then be retained in the main for a minimum 24-hour period. At the end of the 24 hours, the chlorine residual shall be no less than 25 mg/L throughout the main.
- 5) After the applicable retention period, the heavily chlorinated water shall be flushed from the main until the chlorine residual in the water leaving the main is no higher than that in the generally prevailing distribution system.

6.4 BACTERIOLOGICAL TESTS

- 1) After final flushing and before the main is placed into service, a sample or samples shall be collected and tested for bacteriologic quality and shall show the absence of coliform organisms. All bacteriologic testing shall be performed by a State/County certified testing facility.
- 2) If the initial disinfection fails to produce satisfactory samples, or in the case of pressure breaks during hydrostatic testing, complete flushing, and disinfection shall be repeated until satisfactory results are obtained. When all procedures are complete, and the samples are determined to be satisfactory, the City will approve the main being placed into service.
- 3) The contractor shall be solely responsible for constructing a water main that passes the pressure and leakage test and complies with the disinfection requirements specified herein. The fact that the City provides inspections during the construction and testing of

the water facilities and receives laboratory test results shall not relieve the contractor's responsibility in this regard.

- 4) It is the contractor's responsibility to prevent the consumption or use of water from un-disinfected mains, whether by the workers, subcontractors, or any other person to come into contact with the un-disinfected water. The contractor shall indemnify and hold harmless the City, its officers, agents, and employees from any and all claims, suits, or actions of every name, kind, or description, brought by any person or persons for or on account of any injury, sickness or death of any person, including the contractor, sustained or arising out of the consumption of water from the main until final acceptance by the City.

6.5 CONNECTIONS TO EXISTING WATER MAIN LINES

- 1) Under no circumstances shall a connection be made permanent or otherwise, between any existing water main, hydrant, or other source to any unapproved contractor-installed water main, regardless of size.
- 2) The contractor shall make no permanent connection between any contractor-installed water main and existing water mains except for wet-tapped water services. All wet taps require full-time City inspection. Wet-tapped connections with mechanical joint tapping sleeves shall be cleaned and disinfected following AWWAC-651. The work shall include treating the trench with a hypochlorite solution, as deemed necessary by the City Inspector; thoroughly cleaning the main to be tapped and the interiors of the sleeve and tapping gate; and swabbing the tapping sleeve interior with a 12.5% hypochlorite solution.
- 3) Water required for the initial filling, pressure testing, leakage testing, flushing, and chlorination may be obtained from an existing main through the public fire hydrant by use of a City-issued temporary hydrant meter. The temporary hydrant meter shall measure all water usage. The contractor shall supply a City-approved backflow prevention assembly prior to water usage.
- 4) The contractor shall pay a deposit, fees, and water usage charges for the temporary hydrant meter.

SECTION 7 – CROSS-CONNECTION BACKFLOW

The water supplier shall protect the public water supply from contamination by implementing a Cross-Connection Control program. The purpose of this section is to protect the public water supply against actual or potential cross-connections by isolating the water within the premise. Contamination or pollution may occur because of some undiscovered or unauthorized cross-connection on the premises. Minimum cross-connection/backflow protection requirements are contained in Title 17 of the California Administration Code, USC Foundation for Cross-Connection Control and Hydraulic Research Manual of Cross-Connection latest edition, and Chapter 33 Article 4 of the City Code.

7.1 TYPES OF BACKFLOW PREVENTERS:

- 1) Air-gap Separation: An air-gap separation shall be located as close as practical to the user's connection, and all piping between the user's connection and the receiving tank shall be entirely visible unless otherwise approved in writing by the water supplier and the health agency.
- 2) Double-Check Valve Assembly: A double-check valve assembly shall be located as close as practical to the user's connection and shall be installed above grade, if possible, and in a manner where it is readily accessible for testing and maintenance.
- 3) Reduced Pressure Principle Backflow Prevention Device: A reduced pressure principle backflow prevention device shall be located as close as practical to the user's connection and shall be installed a minimum of 12 inches above grade and not more than 36 inches above grade measured from the bottom of the device and with a minimum of 12-inches side clearance.
- 4) Non-approved Backflow Devices: Pressure vacuum breakers (PVB) and atmospheric vacuum breakers (AVB) are not approved for use at user's connections.
- 5) Location, size, and type of backflow prevention shall be approved by the City Engineer. Protection shall be as close to the service connection as practical, with a maximum of 5-feet from the street right-of-way and within three feet of the side property line.

6) Service types requiring backflow prevention include:

- Multi-family (apartment complexes)
- Commercial and industrial services
- Irrigation services (except for single-family)
- Restaurant services
- Fire sprinkler system and service

Services not listed above may require backflow devices and shall be determined on a case-by-case basis.

- 7) All backflow preventers shall be visible from the public right-of-way to allow visual inspection and access at all times. If at any time visual inspection or access is obstructed by fences or any other obstruction, water service will be discontinued per City Code, Chapter 33.

7.2 SERVICE PIPING

The service pipe from the city water meter to the backflow preventer shall be:

- 1) Pipe and fittings smaller than 2-inches in diameter shall be brass/Type K Hard Copper. Short threaded nipples and brass pipe shall conform to ASTM B 43, regular wall thickness, except that nipples and pipe of sizes 1-inch and smaller shall be extra strong. Threads shall conform to ANSI B1.20.1. Brass material shall be lead-free certified and conform to ANSI/AWWA Standard C800.
- 2) Pipe and fittings for 3-inch diameter and larger backflow prevention assemblies shall be double cement mortar ductile iron pipe.

7.3 INSPECTIONS AND TESTING

- 1) All backflow preventers shall be tested by the City Cross-Connection Control personnel.
- 2) Water service to unapproved devices or installations will be discontinued until the device or installation is approved.

7.4 FIRE SPRINKLER SYSTEMS:

- 1) All fire sprinkler systems are required to have a double check-detector valve assembly and a Fire Department connection.
- 2) Bypass meter type and manufacturer shall be approved by the Water Division.
- 3) Installation shall be at the location shown on plans. Other details refer to standard plates.

SECTION 8 – RECYCLED WATER IDENTIFICATION

8.1 RECYCLED WATER IDENTIFICATION

- 1) For buried PVC pipe carrying recycled water:
 - a. Purple-colored pipe marked with the wording “CAUTION: RECYCLED WATER, DO NOT DRINK” on opposite sides of the pipe. Lettering shall be a minimum of ½-inch high black letters and shall be repeated every 12-inches.
 - b. Purple identification tape with the wording “CAUTION: RECYCLED WATER, DO NOT DRINK” may be attached directly to the top of the pipe with plastic adhesive tape.
 - c. Encase PVC pipe with purple-colored polyethylene encasement with the wording “CAUTION: RECYCLED WATER, DO NOT DRINK.”
- 2) For buried Ductile Iron and Copper Pipe:
 - a. Attach purple-colored identification tape with the wording “CAUTION: RECYCLED WATER, DO NOT DRINK” directly to the top of the ductile iron and polyethylene encasement and copper pipe with plastic adhesive tape.
 - b. Encase ductile iron pipe with purple-colored polyethylene encasement with the wording “CAUTION: RECYCLED WATER, DO NOT DRINK”.
- 3) Warning Materials, Signs and Labels: Warning and locator tape shall be as supplied by T. Christy Enterprises, Inc. (714/507-3300); Griffolyn Co., Inc. (800/213-6074); Terra Tape, Division of Reef Industries (800/231-2417); or equal.
- 4) The City requires warning labels on all appurtenances in vaults, such as air release valves, blow-offs, and meters, and on designated facilities, such as, but not limited to, pressure-reducing valves, above-ground valves, and controller panels.
- 5) Each and every pipe shall be identified with a painted label. In a fenced area, at least one sign shall be posted on the fence, which can be readily seen by all operations personnel using the facilities.
- 6) Warning tags shall be inert plastic film or polyurethane formulated explicitly for prolonged exposure. The warning tag shall incorporate an integral attachment neck and reinforced attachment hole. The size of the tag shall be 3-inch by 4-inch with a minimum thickness of 10 mils.

- 7) Warning tags shall be attached with heavy-duty nylon fasteners. The size, type of label, and location will be dictated by each individual application and will be subject to acceptance by the City's Representative. The minimum size shall be 0.5-inch letters.
- 8) Recycled water warning tags shall be prepared on purple field, and shall have the words: "CAUTION: RECYCLED WATER – DO NOT DRINK" printed on the field in black letters. Minimum letter height shall be 0.25-inches.
- 9) Warning labels shall be a minimum 3.5 mil flexible vinyl base with a permanent acrylic adhesive backing on a 90# stayflat liner. Both the background and legend are printed with UV-cured vinyl ink. The entire decal shall be clear flood-printed for superior weathering and UV protection. The size shall be 3.5-inch by 4.3-inch for controllers, 2.5-inch by 8.25-inch for pumping equipment, and 1.25-inch by 5.75-inch for potable water decals.
- 10) In all cases, the warning labels must be approved prior to installation. Failure to receive prior approval may result in the contractor removing and providing approved replacement(s). All costs shall be borne by the contractor for the replacements.

SECTION 9 – STORMWATER POLLUTION PREVENTION

The contractor shall use appropriate Best Management Practices (BMPs) to reduce construction-related impacts and control runoffs to protect channels, storm drains, and bodies of water from pollution.

9.1 POLLUTION PREVENTION PLANS

- 1) For projects that disturb less than one (1) acre of land, the contractor shall prepare a site-specific Local Storm Water Pollution Control Plan (SWCP).
- 2) For projects that disturb one (1) acre of soil or more, the Developer or Contractor shall prepare a site-specific Stormwater Pollution Prevention Plan (SWPPP) per the latest applicable Construction Stormwater General Permit Order.
- 3) Disposal of construction water from operations such as groundwater dewatering and water used for testing, disinfecting, and flushing pipelines is not part of the work under this section.

9.2 DEWATERING

- 1) The contractor shall not be authorized to discharge groundwater, pipeline dewatering, or water for pressure testing or flushing to the storm drain without obtaining a General Water Discharge Permit for Groundwater Remediation and Dewatering Waste Discharges from the Regional Water Quality Control Board. The contractor will be required to obtain and pay for any NPDES permit required for the temporary dewatering and surface drainage control discharges to a storm drain facility.
- 2) The NPDES permit shall be prominently displayed on the site prior to constructing dewatering and surface water discharge operations. If the contractor is under contract with the City, not for a developer, and has been granted prior approval, they can work under the City's NPDES Permit. The contractor shall notify the Water Division of the dewatering activities two working days prior to commencing the activity.
- 3) All water discharged from the temporary dewatering and surface control shall be disposed of in accordance with project permits. Dewatering of non-contaminated or contaminated groundwater via surface erosion is prohibited.
- 4) Excavations for foundations and structures shall be maintained in the dry for a minimum

of four (4) days after concrete placement. In no event shall water be allowed to enter an excavation and rise to cause unbalanced pressure on foundations and structures until the concrete and mortar have set at least 24 hours.

- 5) Dewatering and surface water control operations shall at all times be conducted in such a manner as to preserve the natural undisturbed bearing capacity of the subgrade at the bottom of the excavation. If the subgrade becomes disturbed for any reason, the unsuitable subgrade material shall be removed and replaced with compacted granular fill or other approved material to restore the bearing capacity of the subgrade to its original undisturbed condition.
- 6) Dewatering and surface water control operations shall be conducted in a manner that does not cause loss of ground or disturbance to the pipe bedding or soil that supports overlying or adjacent structures.
- 7) At the contractor's sole expense and to the owner and/or the City's satisfaction, the contractor shall repair and make good all damage or settlement to the foundation or other portion of any new or any existing facilities or structures caused by permanent or temporary failure or operation of the dewatering or by failure to maintain the existing groundwater level outside the dewatering areas.

GENERAL WATER NOTES

1. THE WATER SYSTEM SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE LATEST EDITIONS OF THE CITY OF OXNARD WATER SYSTEM DESIGN AND CONSTRUCTION STANDARDS, DEPARTMENT OF PUBLIC WORKS STANDARDS, "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" (SSPWC), AND THE CITY OF OXNARD STANDARD LAND DEVELOPMENT SPECIFICATIONS.
2. CONTRACTOR SHALL NOTIFY THE CITY INSPECTION DIVISION AND ALL OTHER INTERESTED PARTIES AND ARRANGE FOR A PRE-CONSTRUCTION CONFERENCE 48 HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION.
3. AT LEAST TWO (2) WORKING DAYS PRIOR TO COMMENCING ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT THE REGIONAL NOTIFICATION CENTER (UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA U.S.A.) AT 1-800-422-4133 TO OBTAIN AN INQUIRY IDENTIFICATION NUMBER AND TO REQUEST THE UTILITY OWNERS TO MARK OR OTHERWISE INDICATE THE LOCATION OF THEIR SUBSURFACE FACILITIES. THE CONTRACTOR SHALL DETERMINE THE LOCATION AND DEPTH OF ALL UTILITIES, INCLUDING ALL SERVICE CONNECTIONS, WHICH HAVE BEEN MARKED BY THE RESPECTIVE OWNERS AND WHICH MAY AFFECT OR BE AFFECTED BY ITS OPERATIONS. THE CONTRACTOR SHALL TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ALL UTILITIES AND ALL STRUCTURES FOUND AT THE SITE.
4. ALL PERMITS NECESSARY PRIOR TO BEGINNING CONSTRUCTION SHALL BE OBTAINED BY THE CONTRACTOR.
5. THROUGHOUT ALL PHASES OF CONSTRUCTION, INCLUDING SUSPENSION OF WORK, UNTIL FINAL ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL KEEP THE WORK SITE CLEAN AND FREE FROM RUBBISH AND DEBRIS. THE CONTRACTOR SHALL ALSO ABATE DUST NUISANCE BY CLEANING, SWEEPING AND SPRINKLING WITH WATER AND USING DUST FENCES OR OTHER METHODS AS DIRECTED BY THE CITY THROUGHOUT THE CONSTRUCTION OPERATION.
6. THE DEVELOPER'S ENGINEER SHALL KEEP A STRICT RECORD OF THE LOCATION OF ALL FITTINGS, MAINS AND CONNECTIONS. THIS INFORMATION SHALL BE SUBMITTED TO THE CITY OF OXNARD AS CERTIFIED "AS-BUILT" PLANS. THE "AS-BUILT" PLANS SHALL BE SUBMITTED BY THE DEVELOPER'S ENGINEER BEFORE THE RELEASE FOR OCCUPANCY OR WATER METER INSTALLATION.
7. ALL DAMAGE CAUSED TO PUBLIC STREETS, INCLUDING HAUL ROUTES, ALLEYS, SIDEWALKS, CURBS OR STREET FURNISHINGS, OR TO PRIVATE PROPERTY SHALL BE REPAIRED AT THE SOLE EXPENSE OF THE CONTRACTOR TO THE ENGINEER'S SATISFACTION.
8. SAWCUT EXISTING PAVEMENT TO A CLEAN STRAIGHT EDGE AS DIRECTED BY THE CITY INSPECTOR.
9. PAVEMENT REMOVAL AND REPLACEMENT SHALL BE IN CONFORMANCE WITH THE CITY OF OXNARD STANDARDS AND SPECIFICATIONS. COMPACTION EFFORTS SHALL NOT DISTURB ADJACENT STREET STRUCTURAL SECTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SUCH DAMAGE.
10. ALL UNDERGROUND SEWER, STORM DRAIN, AND WATER PIPELINES, ELECTRIC POWER, TELEPHONE OR CABLE TV CONDUITS AND CABLE AND GAS PIPELINES SHALL BE INSTALLED PRIOR TO CONSTRUCTION OF CURBS, GUTTERS, SIDEWALKS AND PAVEMENT.
11. AT LEAST TWO (2) WORKING DAYS BEFORE COMMENCING EXCAVATION FOR THE WATER, THE CONTRACTOR SHALL POT HOLE AND EXPOSE THE EXISTING UTILITIES AT ALL CROSSINGS AND AT THE POINT OF TIE-IN; THEN CONTACT THE ENGINEER SO THE ELEVATION OF THE EXISTING FACILITIES CAN BE VERIFIED.

	GENERAL NOTES				STANDARD PLATE 2025 W-0 SHEET 1 OF 2
	REV.	BY	DATE	DRAWN. _____ TPC	
				CKD. _____	
				APPROVED: _____ MORGAN KESSLER, PE, CITY ENGINEER	

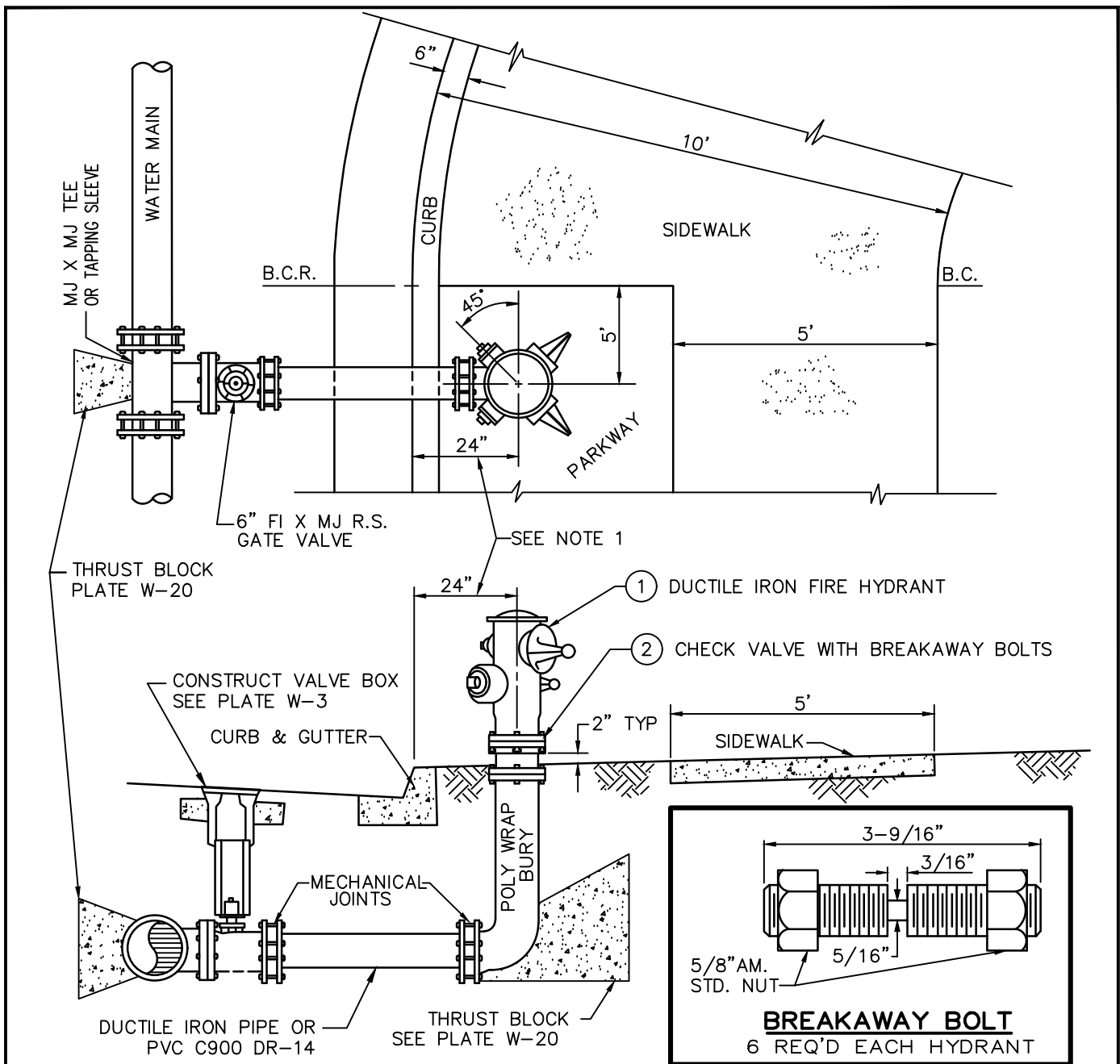
GENERAL WATER NOTES CONTINUED

12. THE DEVELOPER SHALL OBTAIN FINAL APPROVAL OF REIMBURSEMENT AMOUNTS PRIOR TO BEGINNING CONSTRUCTION ON REIMBURSABLE ITEMS.
13. ALL WATER WELLS LOCATED WITHIN THE SITE SHALL BE REPORTED TO THE CITY OF OXNARD WATER MANAGER PRIOR TO THEIR MODIFICATION OR DESTRUCTION (CITY OF OXNARD ORDINANCE NO. 2219). A SEPARATE PERMIT FROM THE CITY IS REQUIRED PRIOR TO DRILLING, ALTERING OR ABANDONING A WATER WELL.
14. STATIONS SHOWN ON WATER DRAWINGS ARE ALONG CENTERLINE OF WATER MAIN.
15. THE CONTRACTOR IS REQUIRED TO PROTECT ALL EXISTING SURVEY MONUMENTATION DURING GRADING AND ALL SUBSEQUENT CONSTRUCTION. CONTRACTOR SHALL GIVE THE ENGINEER ADEQUATE NOTICE, BEFORE DISTURBING SAID MONUMENTS, SO THE ENGINEER CAN REPLACE OR RELOCATE ANY EXISTING SURVEY MONUMENTATION.
16. SEPARATION OF SEWER AND WATER SHALL BE IN CONFORMANCE WITH THE LATEST REQUIREMENTS OF THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH. VERTICAL TRENCH SHORING SHALL CONFORM WITH THE ORDERS OF THE STATE OF CALIFORNIA, DIVISION OF INDUSTRIAL (DIS) SAFETY AND O.S.H.A. STANDARDS. CONTRACTOR SHALL HAVE DIS EXCAVATION PERMIT (COPY TO CITY).
17. TRENCHES SHALL BE BACKFILLED IN ACCORDANCE WITH CITY OF OXNARD STANDARD PLATES.
18. DISINFECTION AND TESTING THE NEW INSTALLATION SHALL BE COMPLETED PRIOR TO MAKING FINAL CONNECTION TO THE EXISTING SYSTEM. THE CONTRACTOR SHALL SEE THAT ALL VALVES IN THE SYSTEM REMAIN OPEN AFTER THE TEST.
19. WATER SERVICES WITH DOUBLE METER STOPS, TAIL ASSEMBLY AND METER BOX SHALL BE INSTALLED PER CITY OF OXNARD STANDARD PLAN PLATES BY THE CONTRACTOR. THE CITY OF OXNARD WILL SET THE METERS AFTER FINANCIAL ARRANGEMENTS ARE MADE.
20. ALL VALVE BOXES SHALL BE SET TO FINISH GRADE BY THE CONTRACTOR AS A PART OF THIS PROJECT.
21. CONTRACTOR SHALL PROVIDE THE WATER DIVISION THROUGH THE CITY INSPECTOR WITH 48 HOURS ADVANCED NOTICE WHEN REQUESTING VALVE CLOSURES.
22. ALL UNDERGROUND UTILITIES OR STRUCTURES REPORTED BY THE OWNER OR THOSE SHOWN ON RECORDS EXAMINED ARE INDICATED WITH THEIR APPROXIMATE LOCATION AND EXTENT. THE DEVELOPER, BY ACCEPTING THESE PLANS OR PROCEEDING WITH IMPROVEMENTS PURSUANT THERETO, UNDERSTANDS THAT THEY AGREE TO ASSUME LIABILITY, AND AGREE TO HOLD THE UNDERSIGNED HARMLESS FOR ANY LIABILITY FOR DAMAGE RESULTING FROM THE EXISTENCE OF UNDERGROUND UTILITIES OR STRUCTURES NOT REPORTED TO THE UNDERSIGNED, NOT INDICATED ON THE PUBLIC RECORDS EXAMINED, LOCATED AT VARIANCE WITH THAT REPORTED OR SHOWN ON RECORDS EXAMINED. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OR STRUCTURES FOUND AT THE SITE. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE OWNER OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING TO WORK.

ENGINEER OF RECORD (EOR) = DESIGN ENGINEER

CITY ENGINEER = CITY ENGINEER OF THE CITY OF OXNARD

	GENERAL NOTES				STANDARD PLATE 2025 W-0 SHEET 2 OF 2
	REV.	BY	DATE	DRAWN. _____ TPC	
				CKD. _____ APPROVED: _____ MORGAN KESSLER, PE, CITY ENGINEER	

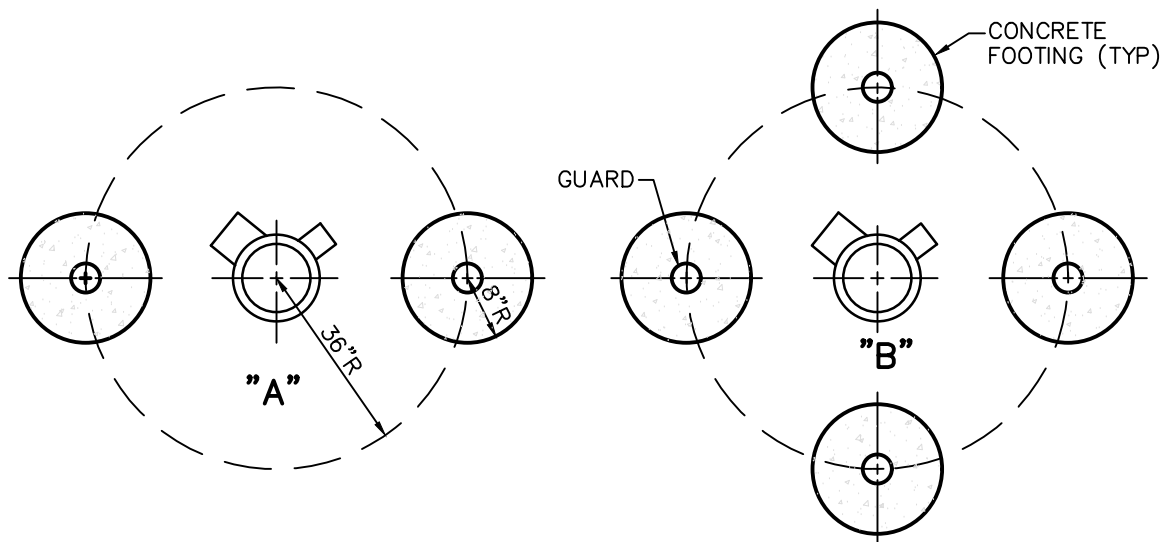


KEY	QUANTITY	DESCRIPTION
①	1	RESIDENTIAL: JONES J4040/CLOW 850 DI COMMERCIAL: J-4065/CLOW 865 DI
②	1	JONES J6000 OR APPROVED EQUAL

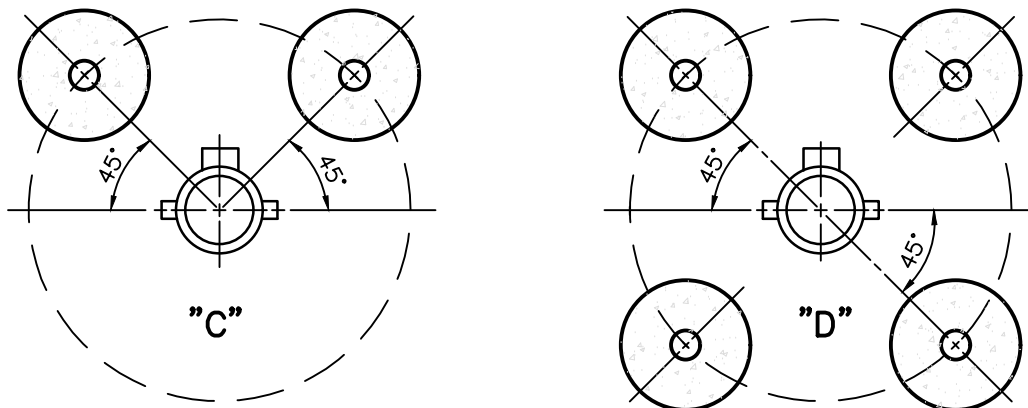
NOTES:

- FIRE HYDRANT MAY BE PERMITTED TO BE PLACED 18 INCHES FROM FACE OF CURB WHERE NECESSARY TO PROVIDE 36 INCHES MINIMUM SIDEWALK CLEARANCE.
- ALL BREAKAWAY BOLTS SHALL BE CADMIUM PLATED. ALL BELOW GRADE BOLTS TO BE STAINLESS STEEL.
- ALL HYDRANTS SHALL BE PAINTED CHROME YELLOW.
- ALTERNATE FIRE HYDRANT LOCATIONS MAY BE APPROVED BY CITY ENGINEER/FIRE MARSHAL.
- COPPER LOCATION WIRE REQUIRED.
- BLUE REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED 6 INCHES FROM THE STRIPE LANE CLOSEST TO THE FIRE HYDRANT.

	FIRE HYDRANT				STANDARD PLATE 2025 W-1 SHEET 1 OF 1
	REV.	BY	DATE	DRAWN. TPC	
				CKD.	
				APPROVED: MORGAN KESSLER, PE, CITY ENGINEER	



RESIDENTIAL FIRE HYDRANT

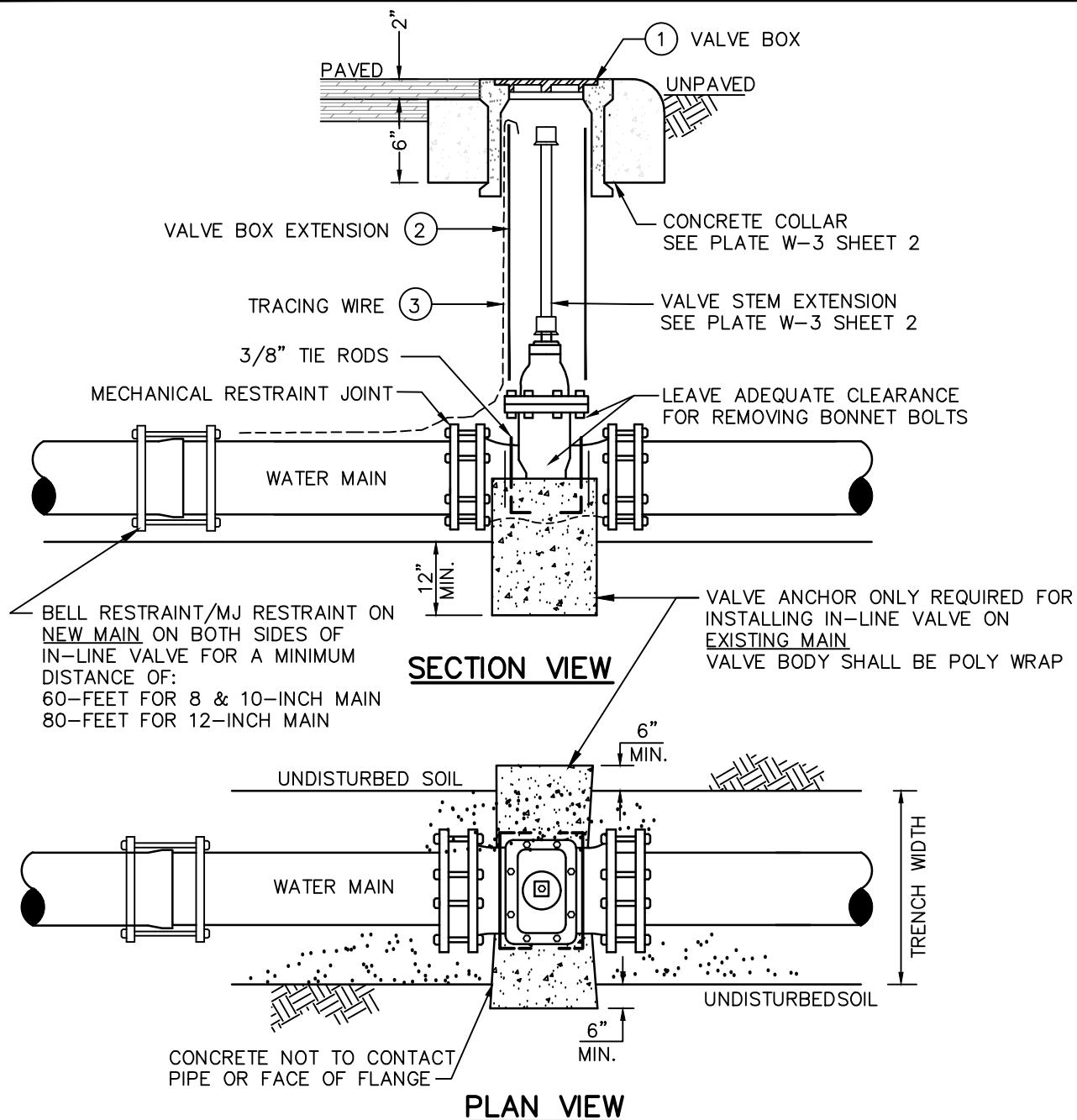


COMMERCIAL FIRE HYDRANT

NOTES:

1. CONCRETE FOOTING SHALL EXTEND 3- FEET BELOW SURFACE.
2. BOLLARD SHALL BE 5.5- FEET IN LENGTH EXTENDING 2.5- FEET ABOVE THE SURFACE AND SHALL BE 3- INCH STEEL PIPE FILLED WITH CONCRETE.
3. VARIATIONS OF THE ABOVE ARRANGEMENTS MAY BE REQUIRED UNDER UNUSUAL CIRCUMSTANCES SUBJECT TO APPROVAL BY THE FIRE DEPARTMENT.
4. BOLLARD TO BE PAINTED THE SAME COLOR AS FIRE HYDRANT.

	FIRE HYDRANT BOLLARDS				STANDARD PLATE 2025	
	REV.	BY	DATE	DRAWN. _____ TPC	APPROVED: _____ MORGAN KESSLER, PE, CITY ENGINEER	
				CKD. _____		
					SHEET 1 OF 1	

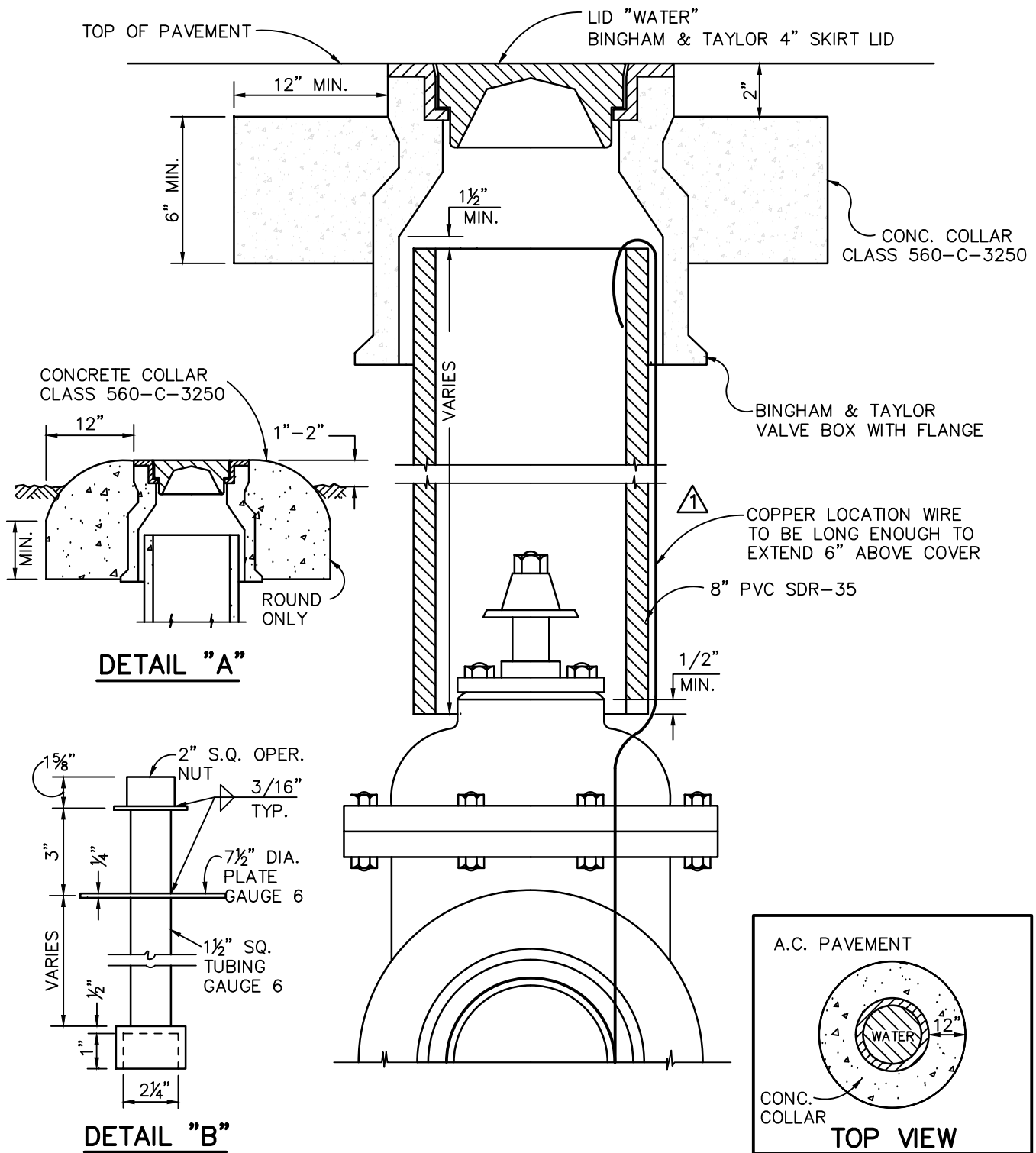


KEY	QUANTITY	DESCRIPTION
①	1	BINGHAM & TAYLOR MARK V HEAVY, LID 4" SKIRT, BOX FLANGE
②	1	8-INCH PVC SDR-26
③	1	12 GAUGE BLUE LOCATING WIRE

NOTES:

1. INSTALL INSULATED COPPER LOCATION WIRE, 12 GAUGE, ON ALL PVC PIPE PER GENERAL REQUIREMENT SECTION.
2. VALVE THRUST BLOCKS ARE SIZED FOR DIFFERENTIAL PRESSURE OF 200 PSI. GREATER DIFFERENTIAL PRESSURES REQUIRE SPECIFIC DESIGN BY ENGINEER.
3. VALVES ON TEMPORARY DEAD ENDS SHALL BE CAPPED AND CLOSED.
4. THE RODS AND BOLTS SHALL BE COATED WITH ASPHALTIC MATERIAL OR EQUAL AND POLYWRAPPED. REFER TO PLATE W-21 FOR TRENCH CONSTRUCTION.

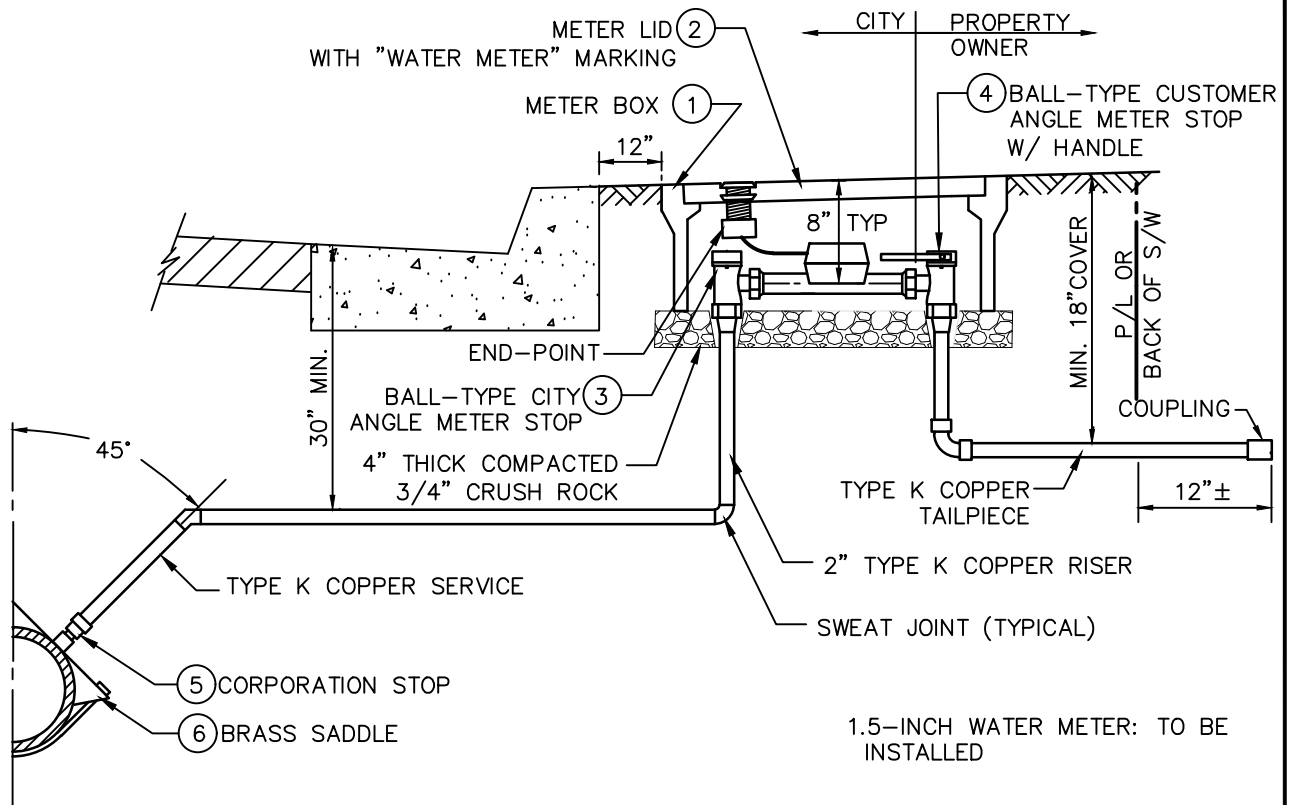
	GATE VALVE INSTALLATION				STANDARD PLATE 2025 W-3 SHEET 1 OF 2
	REV.	BY	DATE	DRAWN. TPC	
				CKD.	
				APPROVED: MORGAN KESSLER, PE, CITY ENGINEER	



NOTES:

1. VALVE BOXES SET IN ROAD SHOULDERS, FIELDS, ETC. SHALL BE AS SHOWN ON DETAIL "A". (ROUND ONLY)
2. CONTRACTOR SHALL PROVIDE A VALVE STEM EXTENSION FOR EACH VALVE HAVING ITS OPERATOR NUT MORE THAN 40-INCHES BELOW FINISHED GRADE. TOP OF EXTENSION SHALL BE BETWEEN 18-INCHES AND 24-INCHES BELOW FINISHED GRADE. (SEE DETAIL "B")
3. FOR ANCHORAGE OF GATE VALVES REFER TO PLATE W-3 SHEET 1 OF 2.

	GATE VALVE INSTALLATION				STANDARD PLATE 2025	
	REV.	BY	DATE	DRAWN.	APPROVED: <u>MORGAN KESSLER, PE, CITY ENGINEER</u>	
				CKD.		
					W-3 SHEET 2 OF 2	

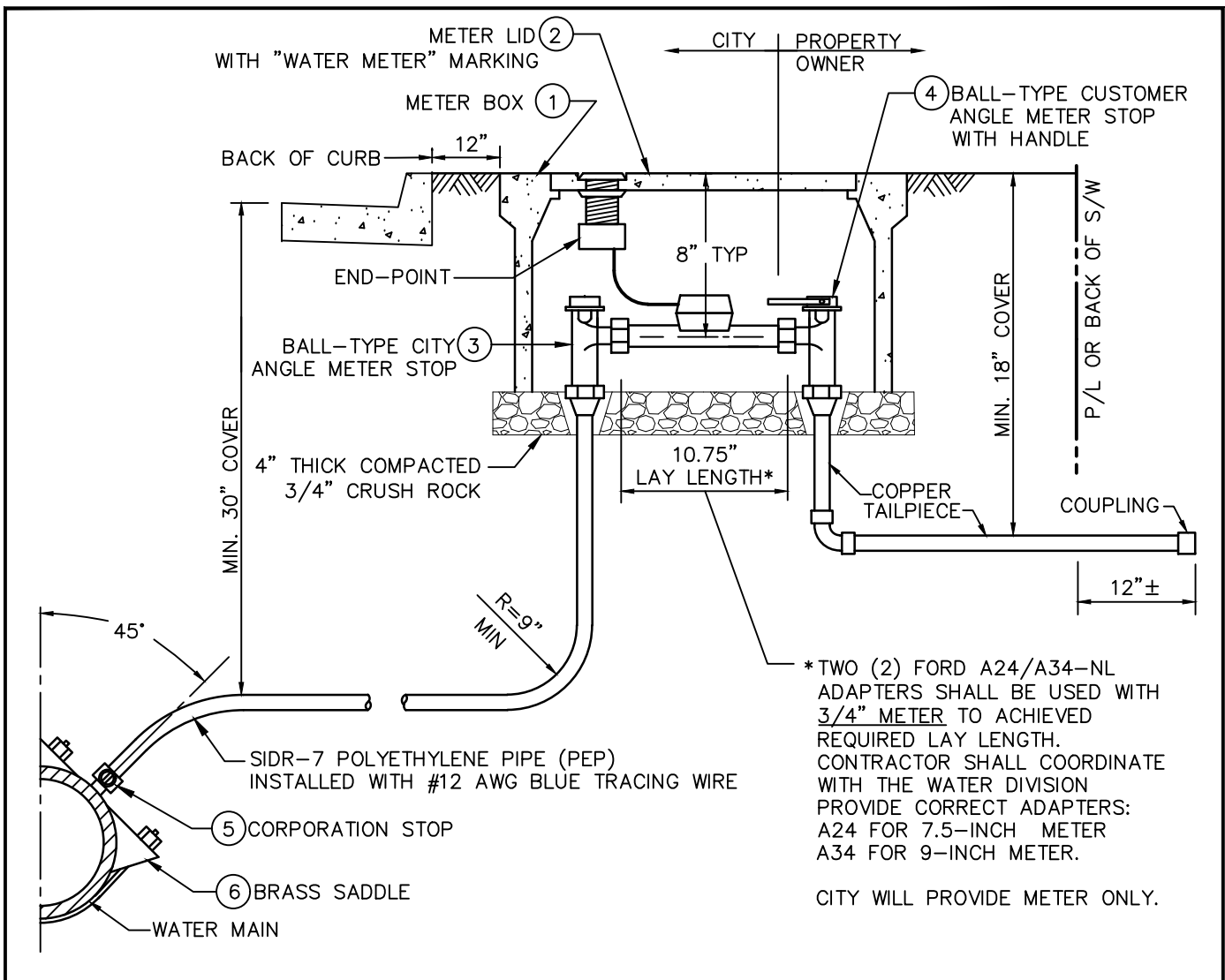


KEY	QUANTITY	DESCRIPTION
(1)	1	STD: FIBRELYTE FL36 TRAFFIC-RATED: ARMORCAST A6001640PCX12
(2)	1	STD: FIBRELYTE FL36 WITH AMI PORT TRAFFIC RATED: A6001947 WITH AMI PORT
(3)	1	FORD CTS-PACK JOINT BFA43-777W-NL
(4)	1	FORD CTS-PACK JOINT BFA43-777W-NL
(5)	1	2-IN:FORD FB 1000-7-NL
(6)	1	FORD 202B (AC, DCUTILE, CAST IRON), FORD 202BS (PVC)

NOTES:

1. ALL SERVICES SHALL BE PERPENDICULAR TO THE MAIN, WITH 12 GAUGE LOCATING WIRE INSTALLED.
2. ALL METER BOXES INSTALLED IN ALLEYS OR TRAFFIC AREAS SHALL INCLUDE 8" WIDE REINFORCED CURB SIMILAR TO PLATE W-18.
3. CONTRACTOR SHALL PROVIDE 48 HOURS NOTICE PRIOR TO REQUESTING METER INSTALLATION.
4. STAINLESS STEEL INSERTS MUST BE USED WITH P.E-CTS SERVICES. INSERT TO BE SOLID FLARED.
5. CONTRACTOR IS RESPONSIBLE FOR ENTIRE METER ASSEMBLY FOR DAMAGE DURING CONSTRUCTION ACTIVITIES.
6. METER SHALL BE SET AND ADJUSTED PRIOR TO INSTALLATION OF METER.
7. METER SHALL BE INSTALLED BY CITY, CONTRACTOR SHALL MAKE NECESSARY ARRANGEMENTS WITH WATER SERVICES PROGRAM TO COORDINATE INSTALLATION.

	2-INCH COPPER WATER SERVICE (FOR 1.5-INCH AND 2-INCH METERS)				STANDARD PLATE 2025 W-4 SHEET 1 OF 1
	REV.	BY	DATE	DRAWN. _____ TPC	
				CKD. _____	
				APPROVED: _____	
				MORGAN KESSLER, PE, CITY ENGINEER	

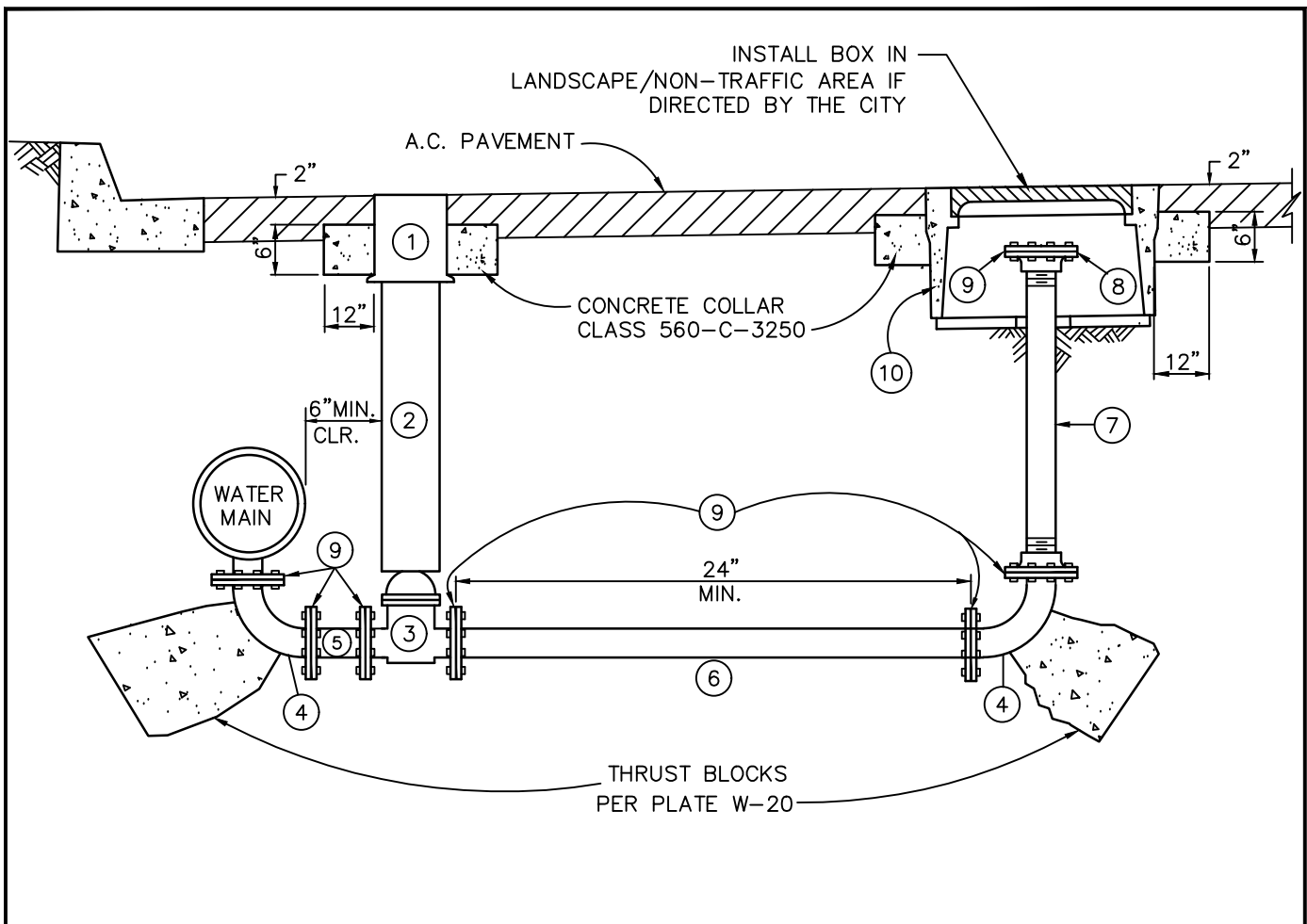


KEY	QUANTITY	DESCRIPTION
(1)	1	FIBRELYTE FL30
(2)	1	FIBRELYTE FL 30 W/ AMI PORT
(3)	1	PEP-PACK JOINT 1-IN: BA63-444W-NL
(4)	1	CTS-PACK JOINT 1-IN: BA43-444W-NL
(5)	1	PEP-PACK JOINT FORD FB 1001-4-NL
(6)	1	FORD 202B (AC, DCUTILE, CAST IRON), FORD 202BS (PVC)

NOTES:

- ALL SERVICES SHALL BE PERPENDICULAR TO THE MAIN, WITH 12 GAUGE LOCATING WIRE INSTALLED.
- ALL METER BOXES INSTALLED IN ALLEYS OR TRAFFIC AREAS SHALL INCLUDE AN 8-INCH WIDE REINFORCED CURB SIMILAR TO PLATE W-18.
- CONTRACTOR SHALL PROVIDE 48 HOURS NOTICE PRIOR TO REQUESTING METER INSTALLATION.
- STAINLESS STEEL INSERTS MUST BE USED WITH P.E. SERVICES. INSERT TO BE SOLID FLARED.
- CONTRACTOR IS RESPONSIBLE FOR ENTIRE METER ASSEMBLY FOR DAMAGE DURING CONSTRUCTION ACTIVITIES.
- METER SHALL BE SET AND ADJUSTED PRIOR TO INSTALLATION OF METER.
- METER SHALL BE INSTALLED BY CITY, CONTRACTOR SHALL MAKE NECESSARY ARRANGEMENTS WITH THE PUBLIC WORKS WATER DIVISION TO COORDINATE INSTALLATION.

	1-INCH POLYETHYLENE WATER SERVICE (FOR 3/4-INCH AND 1-INCH METERS)				STANDARD PLATE 2025 W-5	
	REV.	BY	DATE	DRAWN. _____ TPC	APPROVED: _____ MORGAN KESSLER, PE, CITY ENGINEER	
				CKD. _____		
SHEET 1 OF 1						

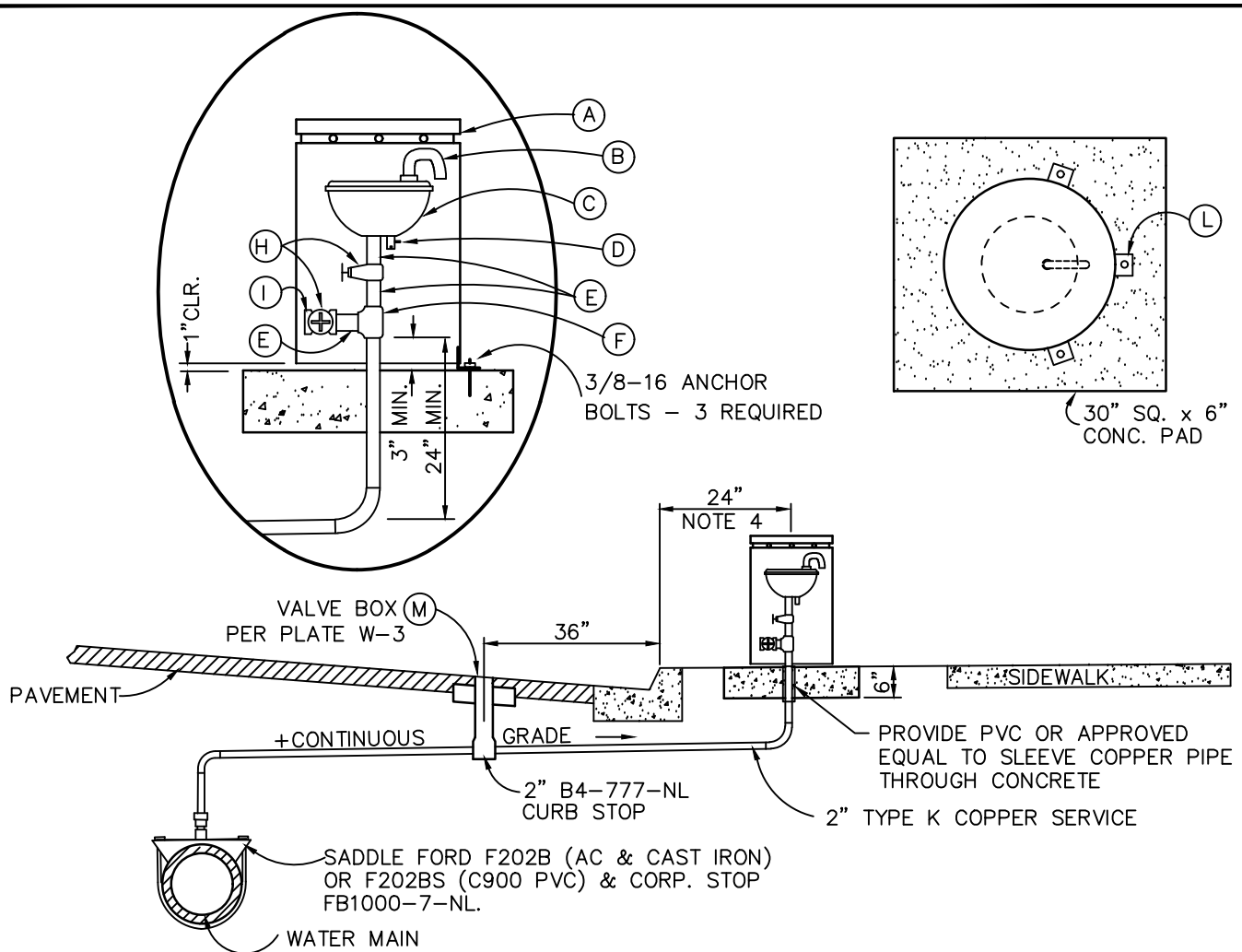


KEY	QUANTITY	DESCRIPTION
①	1	JENSEN PRECAST HTV10-3 VALVE BOX OR APPROVED EQUAL
②	1	8" SDR-35 PVC PIPE
③	1	GATE VALVE (RESILIENT SEAT) FLANGED BOTH ENDS
④	2	90° ELBOW-FLANGED BOTH ENDS
⑤	1	FLANGED SPOOL-LENGTH VARIES (DUCTILE IRON)
⑥	1	C900 PVC DR-14 OR DUCTILE IRON PIPE
⑦	1	THREADED SPOOL, FLANGED BOTH ENDS (DUCTILE IRON)
⑧	1	FLANGE COVER WITH STAINLESS STEEL BOLTS AND NUTS
⑨	7	1/8" THICK FULL FACE CLOTH RUBBER GASKET BETWEEN ALL FLANGES
⑩	1	JENSEN PRECAST HT1324 TRAFFIC BOX BOLT DOWN (SEE NOTE 1) TRAFFIC LIDS

NOTES:

1. H2O RATED IRON OR STEEL LIDS REQUIRED FOR ALL INSTALLATIONS SUBJECT TO TRAFFIC LOADS.
2. INSTALL GATE VALVE, ASSEMBLY PER STANDARD PLATE W-3.
3. ALL FLANGE BOLTS & NUTS TO BE STAINLESS STEEL.
4. BLOW-OFF SIZE: 4-INCH BLOW-OFF FOR 6-INCH THRU 12-INCH WATER MAINS. WATER MAINS OVER 12-INCHES TO BE CITY ENGINEER.
5. POLYWRAP AND ENCASE ALL DUCTILE IRON PIPE AND DUCTILE IRON FITTINGS.
6. ALL FITTINGS SHALL BE DUCTILE IRON.
7. PVC INSTALLATIONS SHALL INCLUDE A BLUE 12 GAUGE LOCATING WIRE.

	BLOW-OFF VALVE INSTALLATION				STANDARD PLATE 2025 W-7 SHEET 1 OF 1
	REV.	BY	DATE	DRAWN. _____ TPC	
				CKD. _____	
				APPROVED: _____ MORGAN KESSLER, PE, CITY ENGINEER	



MATERIALS LIST

- | | |
|--|---|
| (A) 20" DIA. X 36" HIGH POLYETHYLENE ENCLOSURE ARMORCAST P6002002 OR EQUAL | (H) 2" BRASS BALL VALVE |
| (B) 2 - 90° STREET ELBOWS | (I) 2"x2½" INCREASER & 2½" I.P.T. x 2 ½" FIRE HOSE THREAD ADAPTER |
| (C) COMB. AIR RELEASE & AIR VAC. VALVE APCO 145C, ARI D-040 | (J) NOT USED |
| (D) TEST DRAIN VALVE - 1/2" I.P.T. x 3/4" H.T. | (K) 2-3" x 3" HEAVY DUTY HINGES. WELD TO STL. PIPE (NON-REMOVABLE PINS) |
| (E) 2" BRASS NIPPLE (3" LONG) | (L) 3-2" x 2" x STAINLESS STEEL BOLT DOWN |
| (F) 2" x 2" BRASS TEE | (M) BINGHAM & TAYLOR MARK V HEAVY |
| (G) NOT USED. | |

NOTES:

- BOLLARDS SHALL BE PROVIDED FOR ALL INSTALLATIONS IN UNIMPROVED AREAS SIMILAR TO PLATE W-2.
- AIR VACUUM RELEASE VALVES SHALL BE INSTALLED AT HIGH POINT OF MAIN WHEN THE ELEVATION OF THE PIPE IS CHANGED BY 1/2 DIAMETER OR MORE FROM BOTH DIRECTIONS CAUSING AIR TO BE TRAPPED.
- IF SIDEWALK IS ADJACENT TO CURB AND 5-FEET OR LESS IN WIDTH, VALVE ASSEMBLY SHALL BE PLACED 18-INCHES FROM FACE OF CURB TO PROVIDE A 36-INCH MINIMUM SIDEWALK CLEARANCE.
- CONCRETE SHALL BE CLASS 560-C-3250.



COMBINATION AIR-VAC VALVE

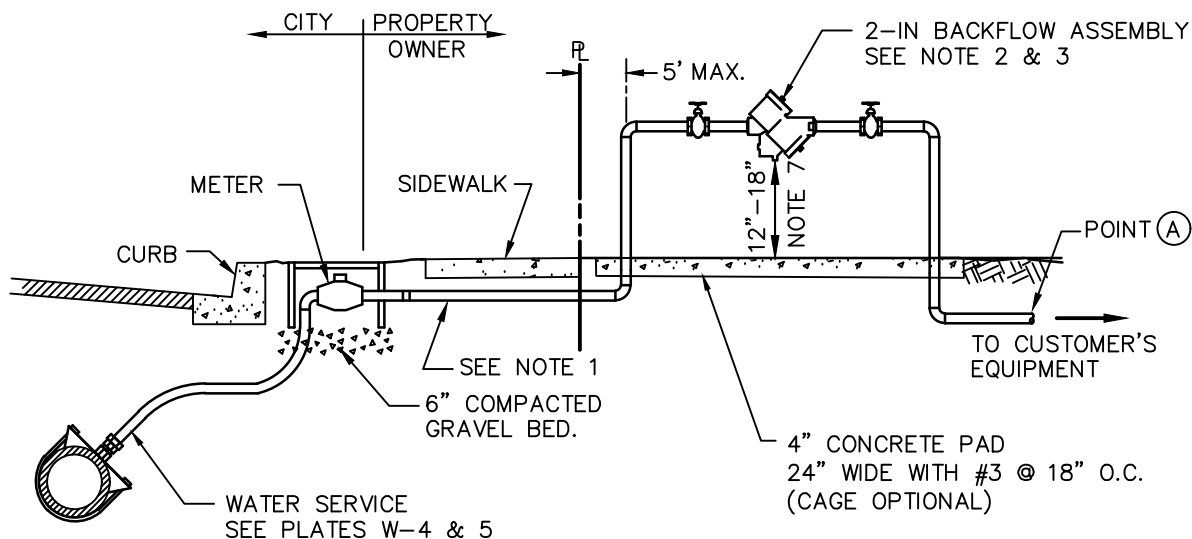
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APPROVED: MORGAN KESSLER, PE, CITY ENGINEER

STANDARD PLATE
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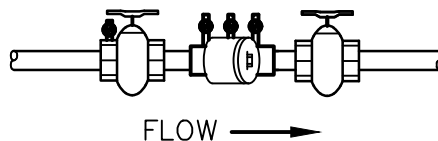
W-8

SHEET 1 OF 1



NO CONNECTIONS PERMITTED BETWEEN MAIN & BACK FLOW DEVICE

NOTE: BALL VALVES AND TEST COCKS ARE REQUIRED.

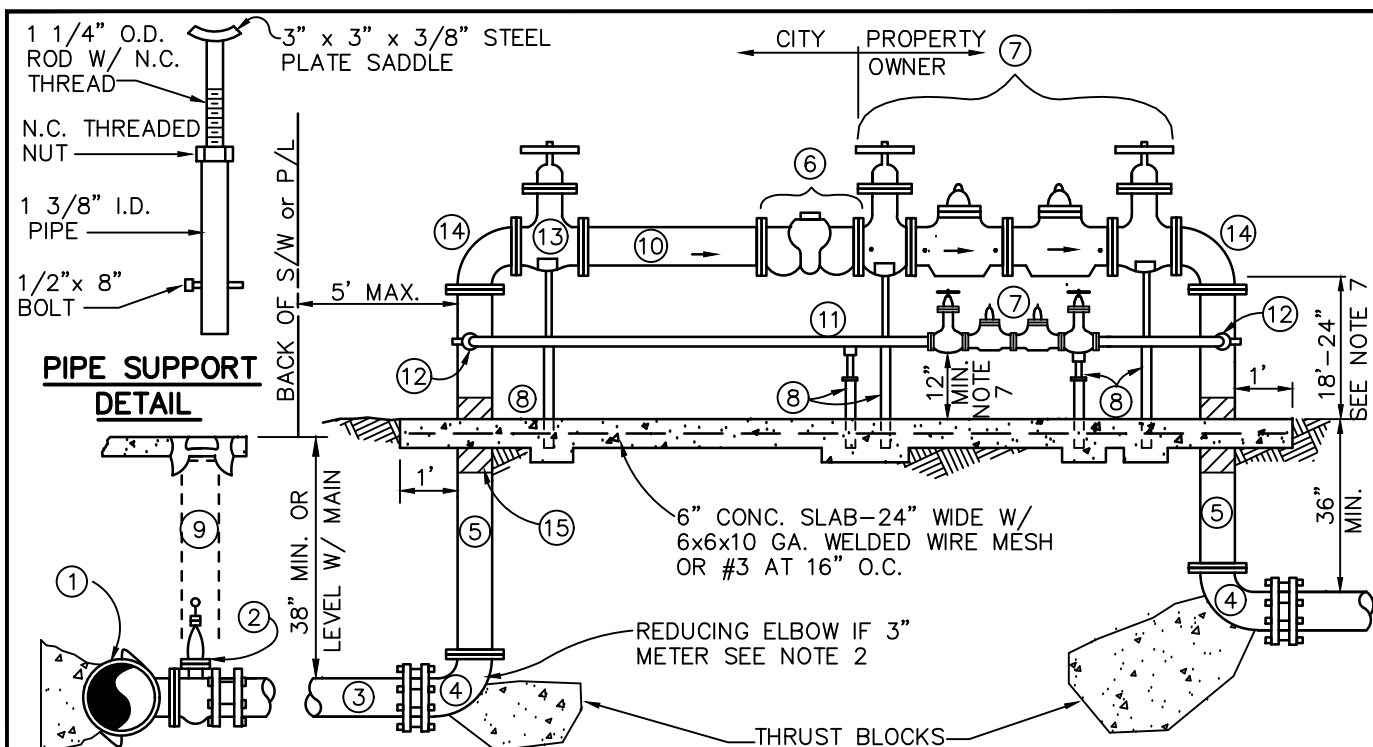


REDUCED PRESSURE BACKFLOW PREVENTER

NOTES:

1. PIPE FROM METER TO BACKFLOW PREVENTION DEVICE AND POINT (A) SHALL BE TYPE "K" RIGID OR BRONZED COPPER PIPE. EXPOSED COPPER SHALL BE PAINTED THE SAME COLOR AS BACKFLOW DEVICE. SEE GENERAL REQUIREMENT SECTION.
2. DOMESTIC SERVICE: USC-APPROVED LEAD-FREE REDUCED PRESSURE ASSEMBLY BACKFLOW DEVICE
3. IRRIGATION SERVICE: USC-APPROVED LEAD-FREE REDUCED PRESSURE ASSEMBLY BACKFLOW DEVICE
4. ALL COPPER JOINTS SHALL BE LEAD-FREE SILVER SOLDERED.
5. BACKFLOW PREVENTERS SHALL BE TESTED BY A CERTIFIED TESTER IMMEDIATELY AFTER THEY ARE INSTALLED.
6. INSTALLATION SHALL BE INSPECTED AND APPROVED BY CROSS-CONNECTION CONTROL PRIOR TO ACTIVATING.
7. CLEARANCES SHALL BE MEASURED TO THE LOWEST PART OF THE DEVICE INCLUDING ANY RELIEF VALVES.
8. CONNECTIONS FOR OTHER SERVICES ARE PROHIBITED BETWEEN THE WATER MAIN AND THE BACKFLOW DEVICE.
9. CONTACT FIRE DEPARTMENT FOR ADDITIONAL CONNECTIONS AND ALARM SYSTEM REQUIREMENTS.

	2-INCH AND SMALLER WATER AND BACKFLOW				STANDARD PLATE 2025	
	REV.	BY	DATE	DRAWN. _____ TPC	APPROVED: _____ MORGAN KESSLER, PE, CITY ENGINEER	W-9
	CKD. _____					SHEET 1 OF 1

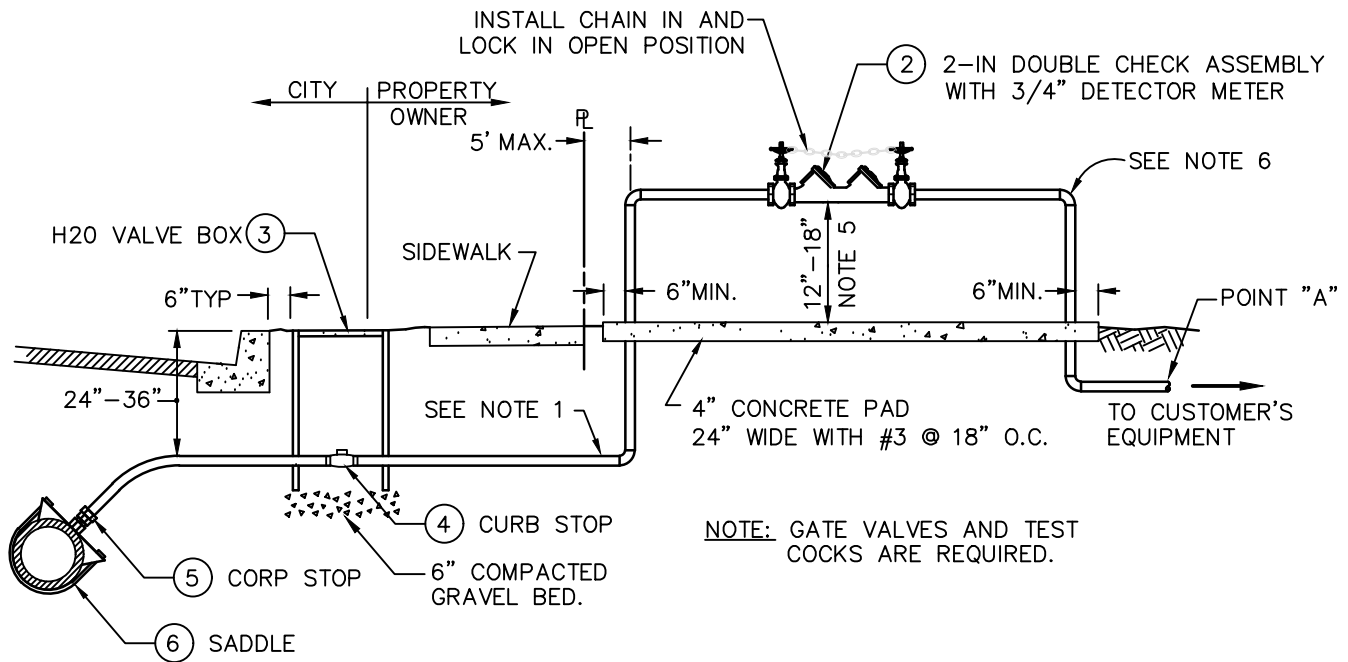


KEY	QUANTITY	DESCRIPTION
①	1	ROMAC STAINLESS STEEL TAPPING SLEEVE OR EQUAL
②	1	TAPPING VALVE (RESILIENT SEAT) WITH FLANGE & MECHANICAL JOINT
③	1	C900 PVC DR-14 PIPE OR POLYWRAP DUCTILE IRON (4" MIN.)
④	2	90° ELBOW-FLANGED BY MECHANICAL JOINT
⑤	2	PRE-FAB THREADED FLANGED SPOOL (DUCTILE IRON) POLYWRAP
⑥	1	METER-NO STRAINER (METER 3" & LARGER SHALL BE APPROVED BY WATER DIVISION)
⑦	2	REDUCED PRESSURE BACKFLOW PREVENTER WITH GATE VALVES (U.S.C. APPROVED)
⑧	5	PIPE SUPPORT (SEE DETAIL)
⑨	1	CHRISTY G3 OR APPROVED EQUAL
⑩	1	THREADED FLANGED SPOOL-5 DIAMETERS LONG (DUCTILE IRON)
⑪	1	1.5" BRONZE PIPE-FOR 3"-6" METER, 2" PIPE FOR 8" & LARGER METER
⑫	1	BY PASS SADDLE & CURB STOPS WITH LOCKS
⑬	1	GATE VALVE
⑭	2	90° ELBOW-FLANGED BY FLANGED
⑮	2	WRAP 2" WIDE 10 MIL POLYVINYL TAPE WHERE PIPE IS IN CONTACT W/ CONCRETE

NOTES:

1. INSTALLATION AND FITTINGS SHALL HAVE A MIN. OF 12-INCHES SIDE CLEARANCE.
2. A 3-INCH METER MUST BE INSTALLED WITH A 4-INCH SERVICE & A REDUCING ELBOW, INSTALLED AS SHOWN.
3. THE COMPLETE ASSEMBLY ABOVE GROUND SHALL BE PAINTED BY CONTRACTOR.
4. INSTALLATION SHALL BE INSPECTED AND APPROVED BY CROSS-CONNECTION CONTROL REPRESENTATIVE PRIOR TO ACTIVATING.
5. BACKFLOW PREVENTERS SHALL BE TESTED BY A CERTIFIED TESTER IMMEDIATELY AFTER THEY ARE INSTALLED.
6. CLEARANCES SHALL BE MEASURED TO THE LOWEST PART OF THE DEVICE INCLUDING ANY RELIEF VALVES.
7. RESTRAINT JOINTS SHALL BE USED IN ADDITION TO CONCRETE THRUST BLOCKS.
8. PVC INSTALLATIONS SHALL INCLUDE A 12 GAUGE LOCATING WIRE.
9. CONCRETE SHALL BE CLASS 560-C-3250.

	3" & LARGER WATER METER AND BACKFLOW				STANDARD PLATE 2025	
	REV.	BY	DATE	DRAWN. _____ TPC	W-10	
				CKD. _____		
				APPROVED: _____ MORGAN KESSLER, PE, CITY ENGINEER		SHEET 1 OF 1



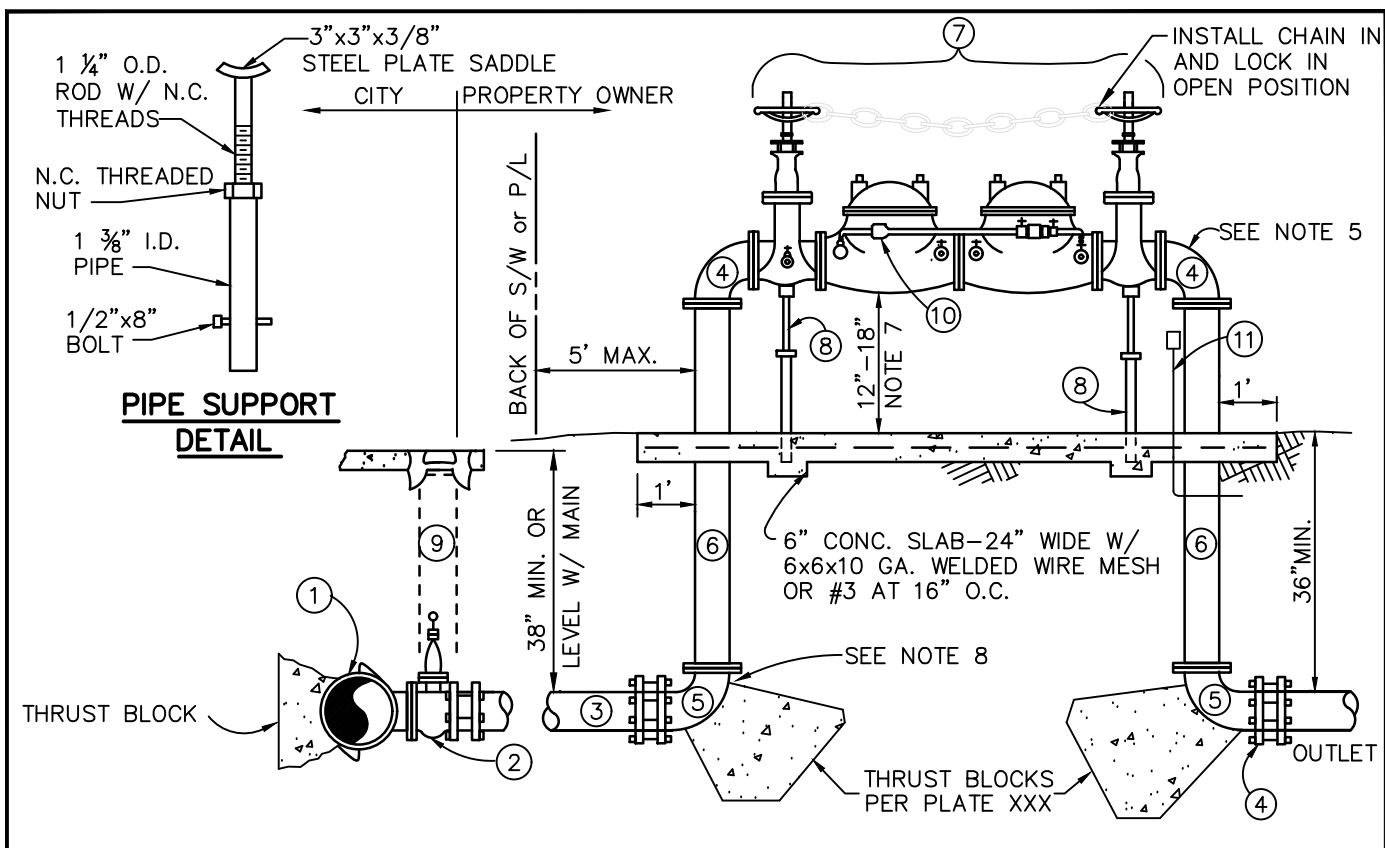
NO CONNECTIONS PERMITTED BETWEEN MAIN & BACK FLOW DEVICE

KEY	QUANTITY	DESCRIPTION
①	—	NOTE USED
②	1	UCS-APPROVED DOUBLE CHECK DETECTOR ASSEMBLY WITH O.S.&Y VALVES
③	1	CHRISTY G3 OR EQUAL
④	1	CTS-PACK JOINT 2-IN: B44-777-NL
⑤	1	CTS-PACK JOINT 2-IN: FB1000-7-NL
⑥	1	FORD 202B (AC, DCUTILE, CAST IRON), FORD 202BS (PVC)

NOTES:

- PIPE FROM METER TO BACKFLOW PREVENTION DEVICE AND POINT "A" SHALL BE TYPE "K" RIGID OR BRONZED COPPER PIPE.
- EXPOSED COPPER SHALL BE PAINTED THE SAME COLOR AS BACKFLOW DEVICE. SEE GENERAL REQUIREMENT SECTION.
- ALL COPPER JOINTS SHALL BE SILVER SOLDERED WITH 85-15.
- BACKFLOW PREVENTERS SHALL BE TESTED BY A CERTIFIED TESTER IMMEDIATELY AFTER THEY ARE INSTALLED.
- INSTALLATION SHALL BE INSPECTED AND APPROVED BY CROSS-CONNECTION CONTROL PRIOR TO ACTIVATING.
- CLEARANCES SHALL BE MEASURED TO THE LOWEST PART OF THE DEVICE INCLUDING ANY RELIEF VALVES.
- CONNECTIONS FOR OTHER SERVICES ARE PROHIBITED BETWEEN THE WATER MAIN AND THE BACKFLOW DEVICE.
- CONTACT FIRE DEPARTMENT FOR ADDITIONAL CONNECTIONS AND ALARM SYSTEM REQUIREMENTS.
- CONCRETE SHALL BE CLASS 560-C-3250.

	2-INCH FIRE BACKFLOW				STANDARD PLATE 2025 W-11 SHEET 1 OF 1
	REV.	BY	DATE	DRAWN. _____ TPC	
				CKD. _____	
				APPROVED: _____ MORGAN KESSLER, PE, CITY ENGINEER	

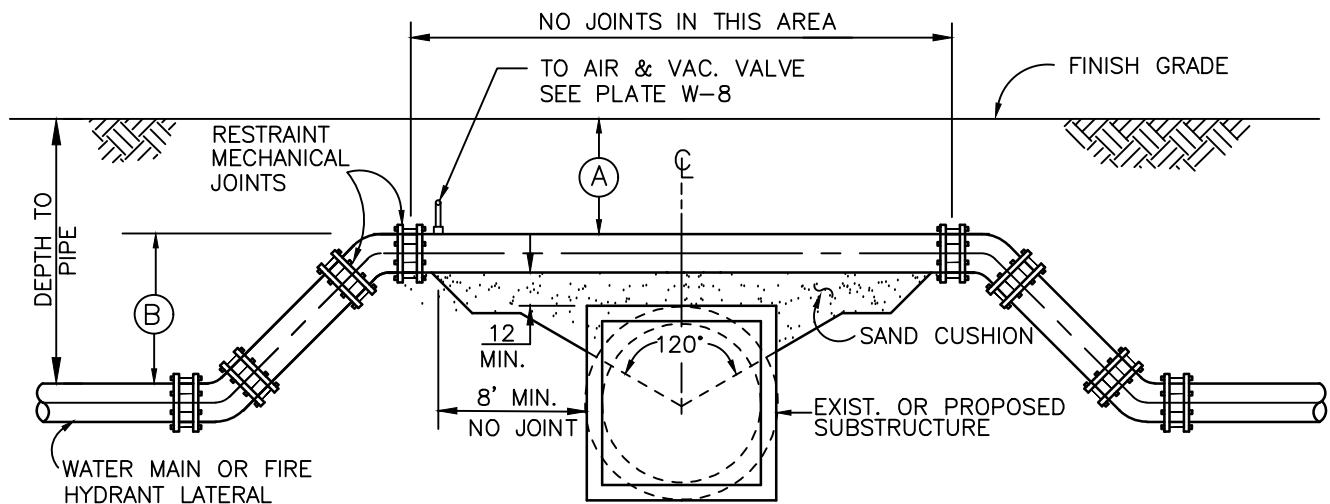


KEY	QUANTITY	DESCRIPTION
(1)	1	ROMAC STAINLESS STEEL TAPPING SLEEVE OR EQUAL (4" MIN.)
(2)	1	TAPPING VALVE (RESILIENT SEAT) WITH FLANGE & MECHANICAL JOINT
(3)	1	C900 PVC DR14 OR POLYWRAP DUCTILE IRON (4" MIN.)
(4)	2	90° ELBOW—FLANGED BY FLANGED
(5)	2	90° ELBOW—FLANGED BY MECHANICAL JOINT
(6)	2	THREADED FLANGED SPOOL (DUCTILE IRON)
(7)	1	DOUBLE DETECTOR CHECK ASSEMBLY WITH O.S. & Y. VALVES (U.S.C. APPROVED)
(8)	2	PIPE SUPPORT (SEE DETAIL)
(9)	1	CHRISTY G3 OR EQUAL
(10)	1	3/4" BYPASS METER
(11)	1	CONDUIT AND BOX FOR FUTURE ALARM SYSTEM

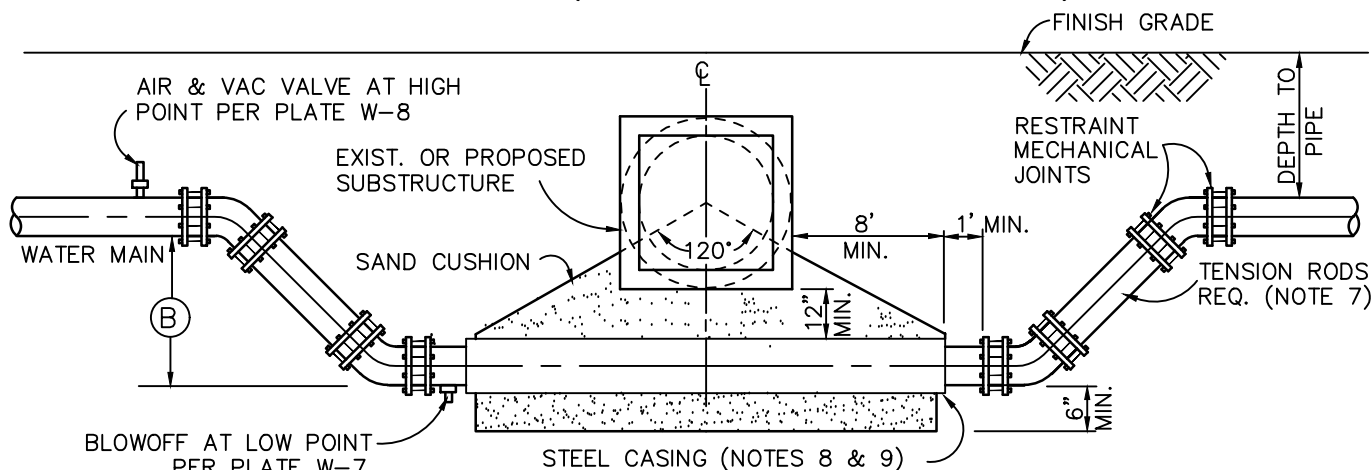
NOTES:

1. INSTALLATION AND FITTINGS SHALL HAVE A MIN. OF 12-INCHES SIDE CLEARANCE.
2. A 3-INCH METER MUST BE INSTALLED WITH A 4-INCH SERVICE & A REDUCING ELBOW, INSTALLED AS SHOWN.
3. ALL FITTINGS SHALL BE ASPHALTIC COATED OR MORTAR LINED. BURIED FITTINGS POLY WRAPPED.
4. THE COMPLETE ASSEMBLY ABOVE GROUND SHALL BE PAINTED BY CONTRACTOR.
5. INSTALLATION SHALL BE INSPECTED AND APPROVED BY CROSS-CONNECTION CONTROL REPRESENTATIVE PRIOR TO ACTIVATING.
6. BACKFLOW PREVENTERS SHALL BE TESTED BY A CERTIFIED TESTER IMMEDIATELY AFTER THEY ARE INSTALLED.
7. CLEARANCES SHALL BE MEASURED TO THE LOWEST PART OF THE DEVICE INCLUDING ANY RELIEF VALVES.
8. A 3-INCH BACKFLOW DEVICE MUST BE INSTALLED WITH A 4-INCH SERVICE & REDUCING ELBOW AS SHOWN.
9. RESTRAINT JOINTS SHALL BE USED IN ADDITION TO CONCRETE THRUST BLOCKS.
10. PVC INSTALLATIONS SHALL INCLUDE A BLUE 12 GAUGE LOCATING WIRE.
11. CONCRETE SHALL BE CLASS 560-C-3250.

	3-INCH & LARGER FIRE BACKFLOW				STANDARD PLATE 2025	
	REV.	BY	DATE	DRAWN. _____ TPC	W-12	
				CKD. _____		
				APPROVED: _____		SHEET 1 OF 1
				MORGAN KESSLER, PE, CITY ENGINEER		



OVERCROSSING (TITLE 22 WAIVER NOT REQUIRED)



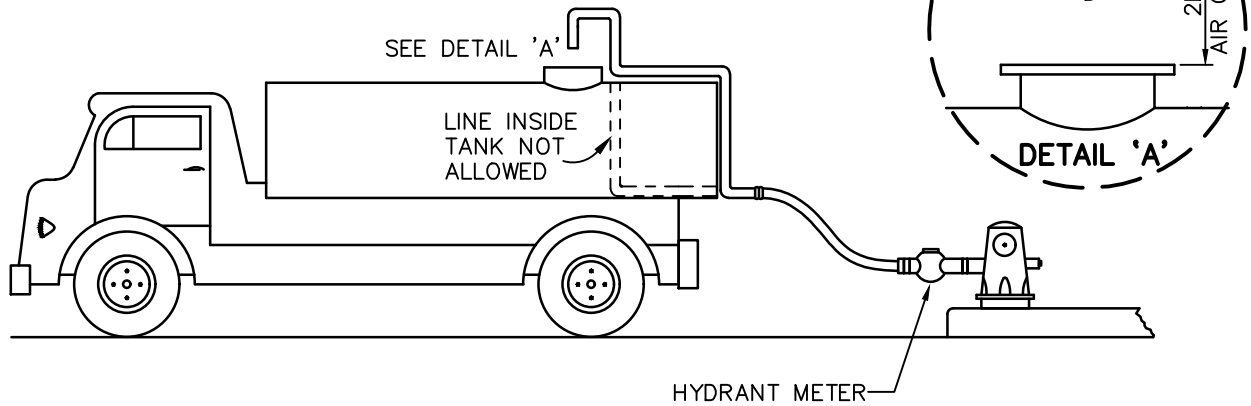
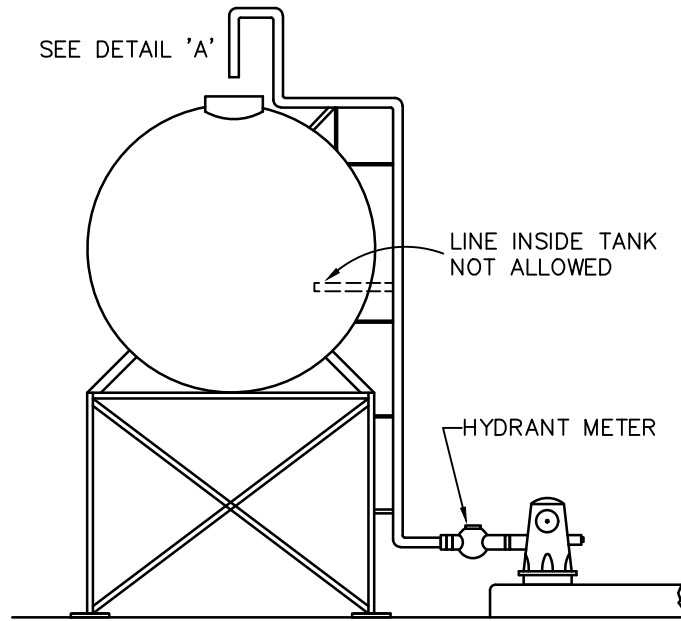
CASING TABLE		
WATER MAIN	CASING-INSIDE DIA.	THICKNESS
6 INCHES	12 INCHES	1/4 INCHES
8 INCHES	14 INCHES	1/4 INCHES
10 INCHES	16 INCHES	3/8 INCHES
12 INCHES	18 INCHES	3/8 INCHES
14 INCHES	20 INCHES	3/8 INCHES

NOTES:

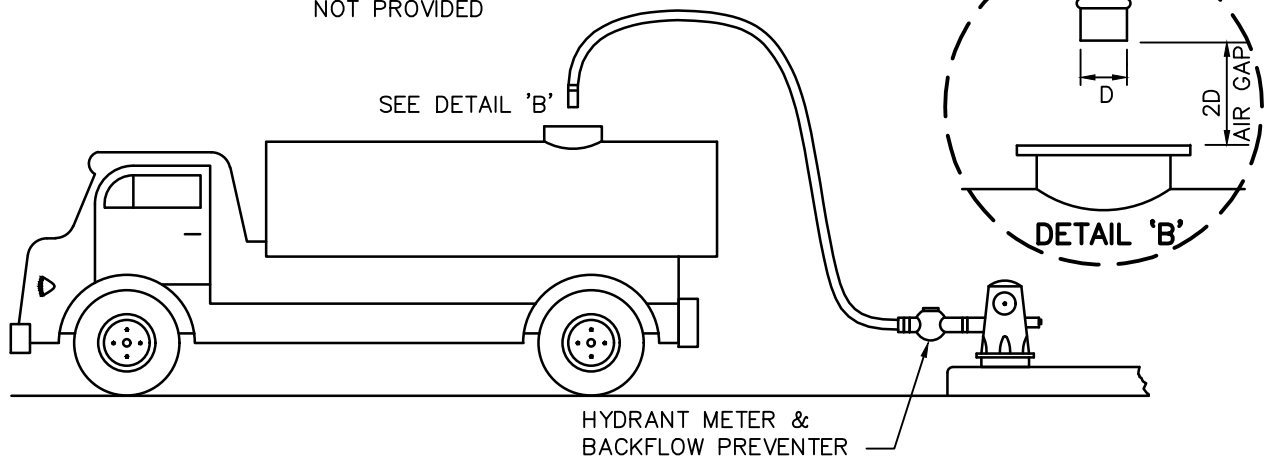
1. ALL PIPE JOINTS 22.5 DEGREES OR GREATER SHALL BE THRUST BLOCK PROTECTED.
2. RESTRAINT JOINTS SHALL BE USED IN ADDITION TO CONCRETE THRUST BLOCKS.
3. IF DIMENSION (A) IS LESS THAN 30 INCHES, PIPE INSTALLATION SHALL BE INSTALL USING UNDERCROSS, UNLESS AN ALTERNATIVE BACKFILL SECTION IS APPROVED BY THE CITY ENGINEER.
4. AIR VACUUM RELEASE ASSEMBLY INSTALLATION REQUIRED WHEN DIMENSION (B) IS MORE THAN 1/2 PIPE DIAMETER.
5. ALL FITTINGS SHALL BE ASPHALTIC COATED OR MORTAR LINED.
6. PVC INSTALLATIONS SHALL INCLUDE A 12 GAUGE LOCATING WIRE.
7. TENSION RODS AND ANCHORS SHALL BE USED ON ALL INSTALLATIONS. TWO RODS ARE REQUIRED FROM BOTTOM TO TOP FITTING.
8. MORTAR PLUG SHALL PENETRATE THE ENDS OF THE CASING SURROUNDING THE WATER MAIN TO A DEPTH OF 1 FOOT.
9. IF 10 FEET OR MORE OF THE WATER LINE IS UNDER STRUCTURE, CASING SHALL BE USED PER TABLE.

UNDERCROSSING (TITLE 22 WAIVER REQUIRED)

	WATER MAIN CROSSINGS				STANDARD PLATE 2025	
	REV.	BY	DATE	DRAWN. TPC	APPROVED: MORGAN KESSLER, PE, CITY ENGINEER	
			CKD.			
					W-13 SHEET 1 OF 1	



NOTE: BACKFLOW PREVENTOR
REQUIRED IF AIR-GAP
NOT PROVIDED



FIRE HYDRANT AIR-GAP METHOD

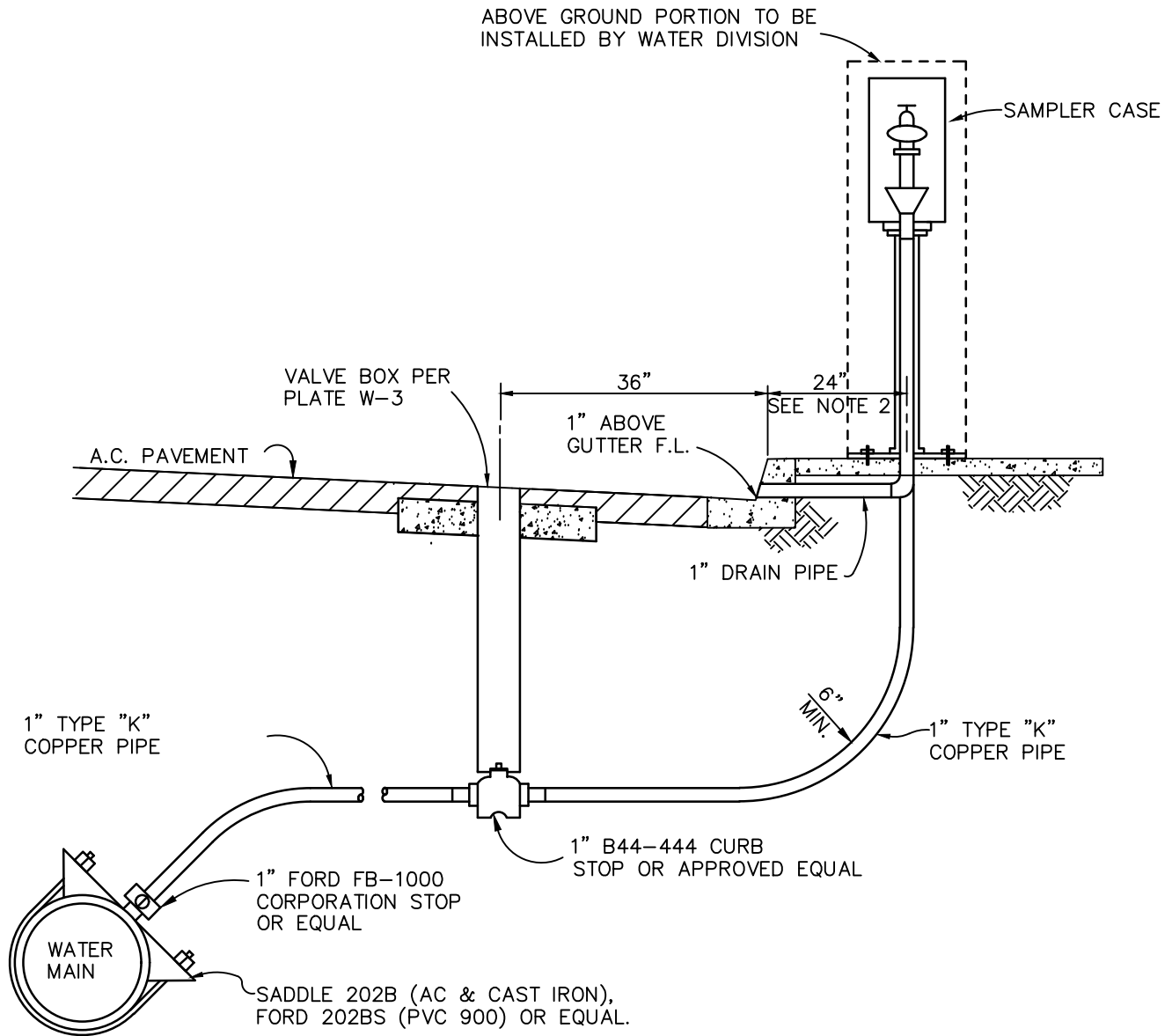
REV.	BY	DATE	DRAWN.	TPC
			CKD.	

APPROVED: MORGAN KESSLER, PE, CITY ENGINEER

STANDARD PLATE
2025

W-14

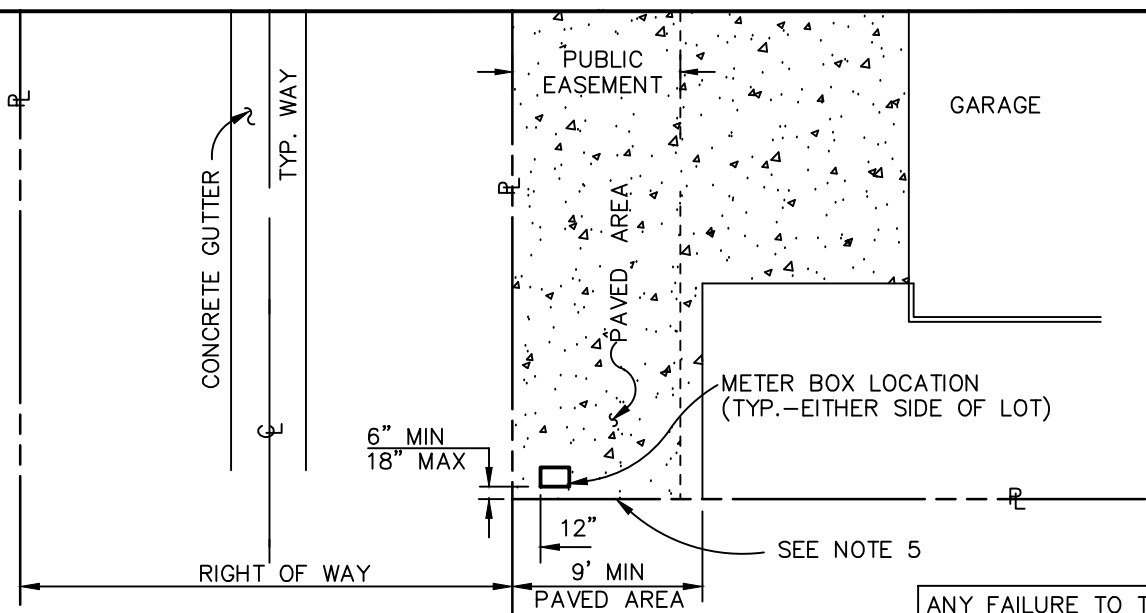
SHEET 1 OF 1



NOTES:

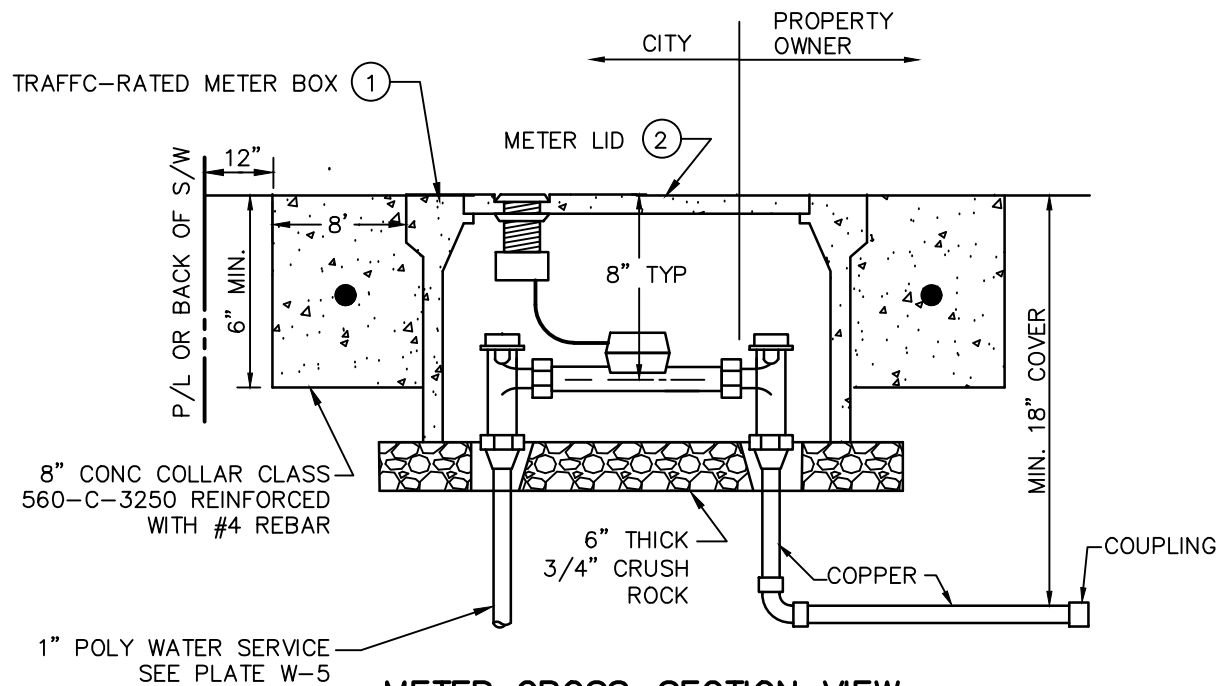
1. SAMPLER MAY BE INSTALLED IN PARKWAY WITH A 24-INCH SQ. x 6-INCH CONCRETE PAD.
2. SAMPLER SHALL BE 18-INCHES FROM FACE OF CURB IF SIDEWALK IS ADJACENT TO CURB AND 5- FEET OR LESS IN WIDTH.
3. CONTRACTOR TO INSTALL ALL BELOW GROUND PORTIONS OF SAMPLING STATION INCLUDING MINIMUM 36-INCH DRAIN LINE AND SERVICE LINE RISERS ABOVE FINISH SIDEWALK ELEVATION.
4. CONCRETE SHALL BE CLASS 560-C-3250.

	WATER SAMPLING STATION				STANDARD PLATE 2025
	REV.	BY	DATE	DRAWN. _____ TPC	APPROVED: _____ MORGAN KESSLER, PE, CITY ENGINEER
	CKD.	_____	_____	_____	
W-15					SHEET 1 OF 1



PLAN VIEW

ANY FAILURE TO THE DRIVEWAY IS NOT THE CITY'S RESPONSIBILITY



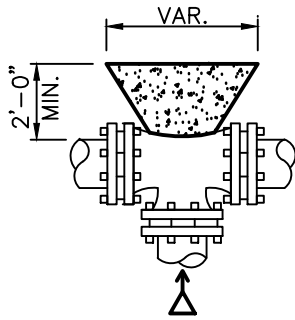
METER CROSS-SECTION VIEW

KEY	QUANTITY	DESCRIPTION
①	1	ARMORCAST A6001946PCX12
②	1	A6001969 WITH AMI PORT

NOTES:

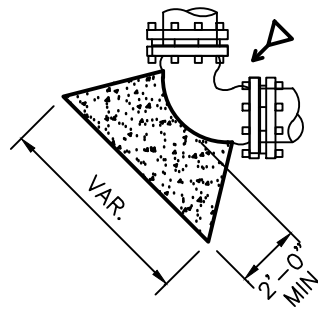
1. ALL METER BOXES SHALL HAVE TRAFFIC COVERS.
2. PRIOR TO PAVING DRIVEWAY, METER BOX INSTALLATION SHALL BE PASS INSPECTION.
3. MATCH EXISTING DRIVEWAY OR STRAIGHT GRADE TO EXISTING GRADE OF ADJACENT LOT.
4. CONCRETE SHALL BE CLASS 560-C-3250.
5. MATCH EXISTING DRIVEWAY OR STRAIGHT GRADE TO EXISTING GRADE OF ADJACENT LOT.

	METER BOX AT BEACH TRACTS				STANDARD PLATE 2025 W-18 SHEET 1 OF 1
	REV.	BY	DATE	DRAWN. TPC	
				CKD.	
				APPROVED: MORGAN KESSLER, PE, CITY ENGINEER	



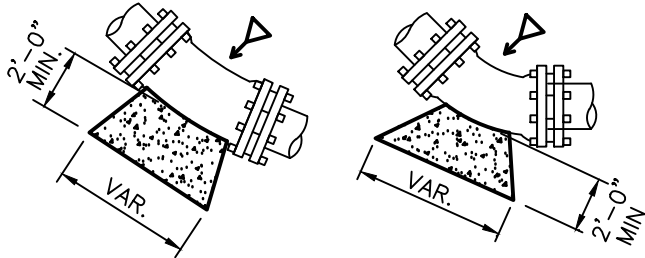
PIPE	2000 P.S.F.
4"	2.0 SQ. FT.
6"	4.0 "
8"	7.0 "
10"	11.0 "
12"	15.0 "
*14"	21.0 "
*16"	27.0 "

CASE 1: HORIZONTAL 90° TEE



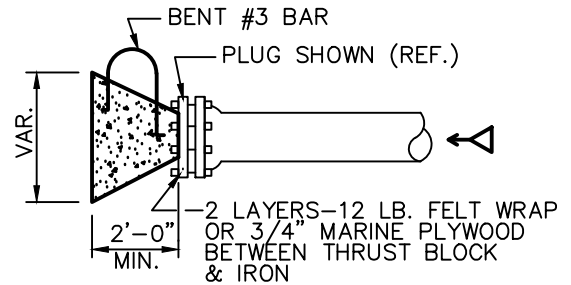
PIPE	2000 P.S.F.
4"	3.0 SQ. FT.
6"	5.0 "
8"	9.0 "
10"	15.0 "
12"	22.0 "
*14"	29.0 "
*16"	38.0 "

CASE 2: HORIZONTAL 90° BEND



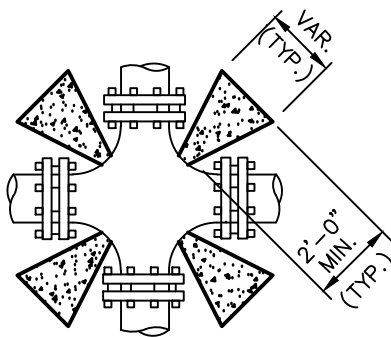
PIPE	22 1/2° BEND 2000 P.S.F.	45° BEND 2000 P.S.F.
4"	1.0 SQ. FT.	1.0 SQ. FT.
6"	1.5 "	3.0 "
8"	2.5 "	5.0 "
10"	4.0 "	8.0 "
12"	6.0 "	12.0 "
*14"	8.0 "	16.0 "
*16"	10.0 "	21.0 "

CASE 3: HORIZONTAL 22.5 & 45° BENDS



PIPE	2000 P.S.F.
4"	2.0 SQ. FT.
6"	4.0 "
8"	7.0 "
10"	11.0 "
12"	15.0 "
*14"	21.0 "
*16"	27.0 "

CASE 4: HORIZONTAL CAP/PLUG



PIPE	2000 P.S.F.
4"	1.0/EA. SQ. FT.
6"	2.0/EA. "
8"	3.0/EA. "
10"	5.0/EA. "
12"	9.0/EA. "
*14"	10.0/EA. "
*16"	13.0/EA. "

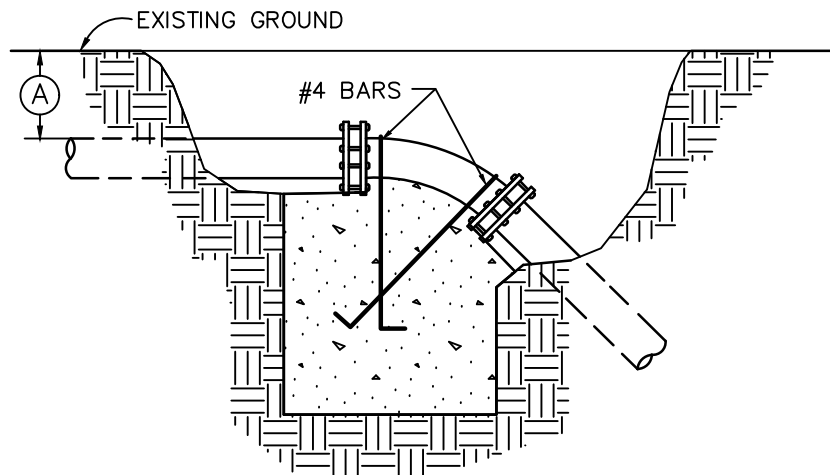
CASE 5: HORIZONTAL X'ING

NOTES:

1. RESTRAINT JOINTS SHALL BE USED IN ADDITION TO CONCRETE THRUST BLOCKS.
2. UNLESS OTHERWISE NOTED THRUST BLOCK BEARING FACES SHALL BE POURED AGAINST UNDISTURBED SOIL OR APPROVED COMPACTED BACKFILL.
3. AFTER THE TRENCH HAS BEEN BACKFILLED TO THE TOP OF PIPE, AREAS TO BE OCCUPIED BY THRUST BLOCKS SHALL BE RE-EXCAVATED AND SHAPED, AFTER SHAPING SIMPLE PLYWOOD, OR BOX WOOD FORMS SHALL BE INSERTED ADJACENT TO THE MOLD. CITY INSPECTION OF THE MOLD-FORM MUST BE OBTAINED PRIOR TO CASTING THE THRUST BLOCK.
4. THE THRUST BLOCK IS TO BE CAST IN SUCH A MANNER TO CRADLE THE PIPE OR FITTING. CONC. ENVELOPMENT SHALL BE PERPENDICULAR TO THE LINE OF THRUST.

* = ENGINEER TO DETERMINE CONFIGURATION

↑ = DIRECTION OF THRUST

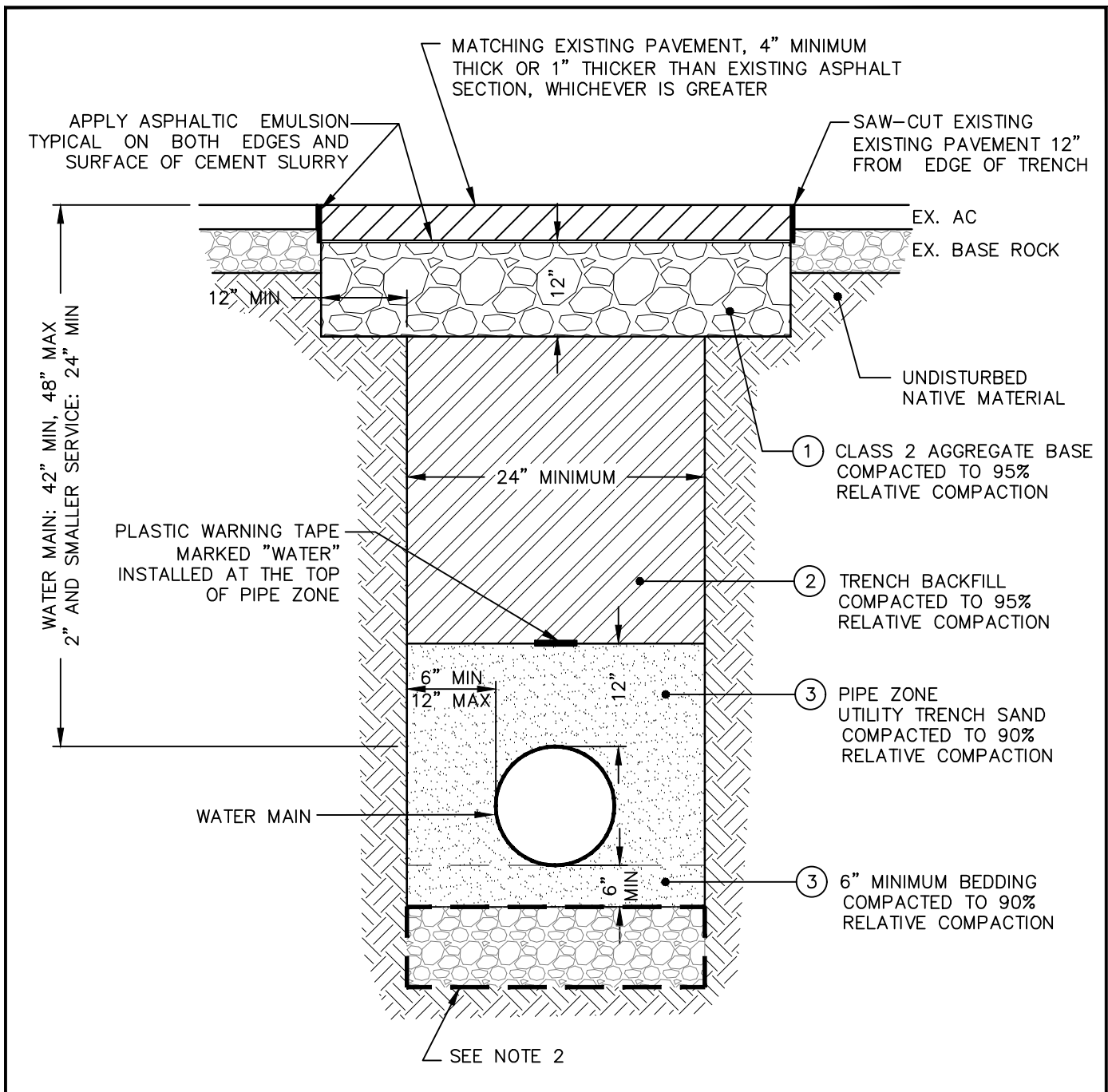


VERTICAL BEND

NOTES:

1. RESTRAINT JOINTS SHALL BE USED IN ADDITION TO CONCRETE THRUST BLOCKS.
2. IF DIMENSION (A) IS LESS THAN 30 INCHES, PIPE INSTALLATION SHALL BE UNDERPASS PER PLATE W-13, UNLESS AN ALTERNATIVE BACKFILL SECTION IS APPROVED BY THE CITY ENGINEER.
3. AIR VACUUM RELEASE ASSEMBLY INSTALLATION REQUIRED WHEN DIMENSION B IS MORE THAN 1/2 PIPE DIA.
4. ALL FITTINGS SHALL BE ASPHALTIC COATED OR MORTAR LINED.
5. PVC INSTALLATIONS SHALL INCLUDE A 12 GAUGE LOCATING WIRE.

	CONCRETE THRUST BLOCKING				STANDARD PLATE 2025 W-20
	REV.	BY	DATE	DRAWN. _____ TPC	APPROVED: _____ MORGAN KESSLER, PE, CITY ENGINEER
	CKD. _____	_____	_____	_____	
SHEET 2 OF 2					

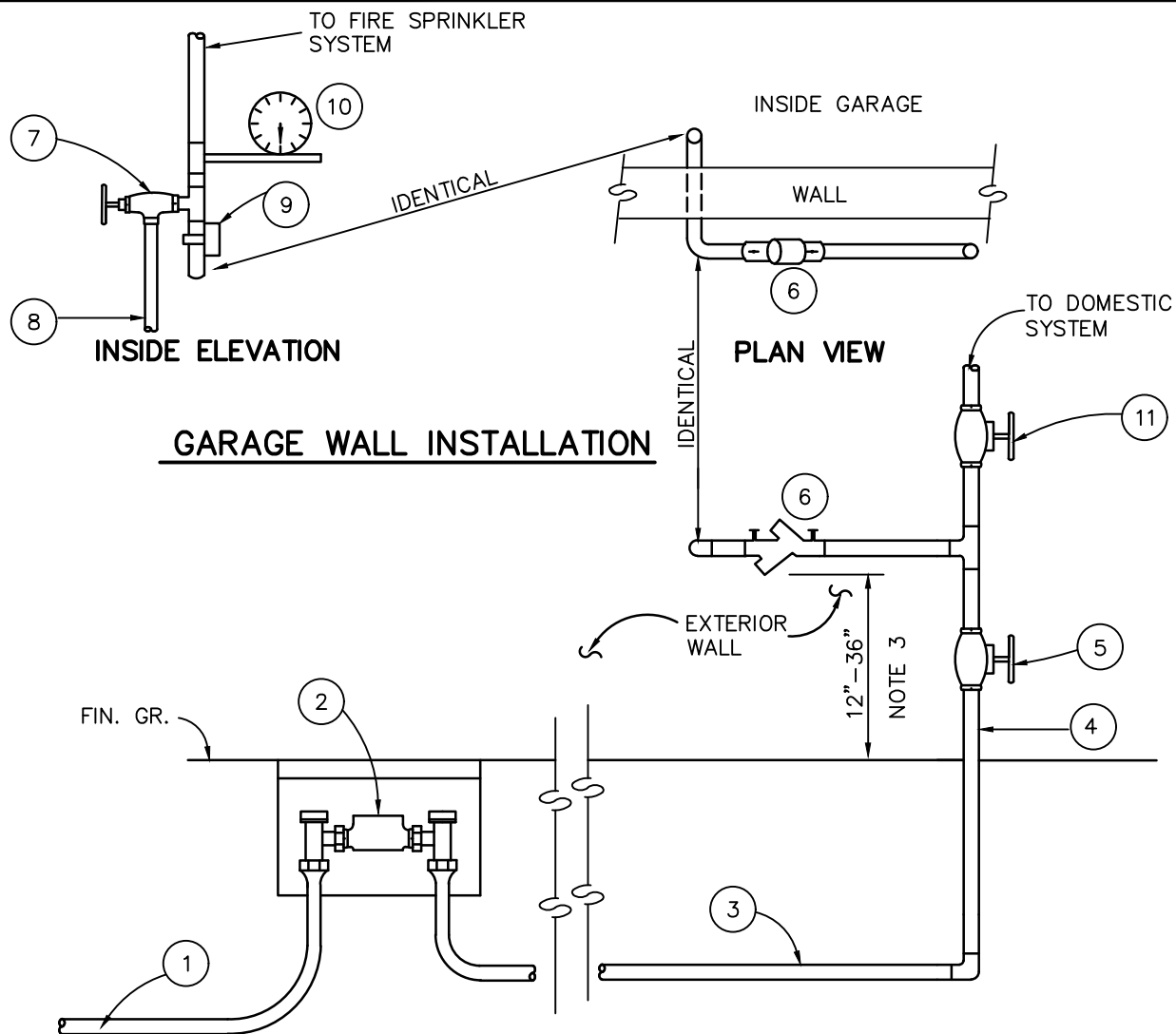


KEY	DESCRIPTION
①	CLASS 2 AGGREGATE BASE OR 1 1/2 SACK SLURRY WITHIN AN EXISTING ROAD: 1½ SACK SLURRY
②	NATIVE OR IMPORTED BACKFILL WITH SE > 20 ALTERNATE: 1½ SACK SLURRY
③	GREENBOOK, ASTM C33 CONCRETE SAND OR IMPORTED SAND WITH SE > 30

NOTES:

- ALL PAVEMENT RESTORATION SHALL COMPLY WITH CITY STANDARD PLATES 602.
- WHERE UNSTABLE SOIL IS ENCOUNTERED, TRENCH SHALL BE OVER-EXCAVATED OF UNSTABLE SOILS, BACKFILL WITH 12-INCHES MINIMUM OF COMPACTED 3/4-INCH DRAIN ROCK WRAPPED IN FILTER FABRIC, UNLESS DIRECTED OTHERWISE BY THE CITY/GEOTECHNICAL ENGINEER.

	STANDARD TRENCH				STANDARD PLATE 2025 W-21	
	REV.	BY	DATE	DRAWN. _____ TPC	APPROVED: _____ MORGAN KESSLER, PE, CITY ENGINEER	
				CKD. _____		
					SHEET 1 OF 1	



KEY	DESCRIPTION
①	TO MUNICIPAL WATER SUPPLY PER WATER PLATE W-4 & W-5
②	WATER METER (1-INCH MINIMUM) WITH ATTACHED TAILPIECE
③	COPPER OR P.V.C. PIPE (1.25-INCH).
④	COPPER PIPE.
⑤	INDICATING MAIN OR CONTROL VALVE (EXTERIOR LOCATION).
⑥	DOUBLE CHECK ASSEMBLY (USC-APPROVED) WITH BALL VALVES (FEBCO 805Y OR APPROVED EQUAL). TEST COCKS TO BE INSTALLED FACING AWAY FROM WALL.
⑦	MINIMUM 0.5-INCH DRAIN VALVE AND INSPECTORS TEST STATION.
⑧	DISCHARGE TO EXTERIOR.
⑨	FLOW SWITCH WIRED TO ALARM BELL WITH RETARD.
⑩	U.L./F.M. LISTED PRESSURE GUAGE.
⑪	DOMESTIC SHUT OFF VALVE.

NOTES:

1. BACKFLOW PREVENTER SHALL BE TESTED BY A CERTIFIED TESTER IMMEDIATELY AFTER INSTALLATION.
2. INSTALLATION SHALL BE INSPECTED AND APPROVED BY CROSS CONNECTION CONTROL PRIOR TO ACTIVATING SERVICE.
3. CLEARANCES SHALL BE MEASURED TO THE LOWEST PART OF THE DEVICE INCLUDING ANY RELIEF VALVES.

	RESIDENTIAL FIRE LINE SERVICE				STANDARD PLATE 2025	
	REV.	BY	DATE	DRAWN. _____ TPC	W-22 SHEET 1 OF 1	
				CKD. _____		
				APPROVED: _____ MORGAN KESSLER, PE, CITY ENGINEER		



STANDARD PLATES AND DESIGN CRITERIA

FOR PUBLIC WORKS CONSTRUCTION

**2002 EDITION
(UPDATED 2025)**

CITY COUNCIL RESOLUTION NO. XXX

2002 STANDARD PLATES AND DESIGN CRITERIA

REVISION TRACKER

[illegible]

TABLE OF CONTENTS

SECTION I

GENERAL REQUIREMENTS

PLATE SECTION

1	10	<u>GENERAL ROAD DESIGN GOALS AND PROCEDURES</u>
1	11	GRADES
2	12	GEOMETRIC DESIGN STANDARDS
4	13	ASPHALT CONCRETE PAVEMENT DESIGN
8	14	INTERSECTION
8	15	MATERIAL TESTING

10	20	<u>GENERAL STREET LIGHTING, TRAFFIC SIGNALS, TRANSIT</u>
10	-1	STREET LIGHTING GUIDELINES
10	-2	TRAFFIC SIGNALS
11	-3	TRANSIT FACILITIES

12	30	<u>GENERAL WATER SYSTEM DESIGN GOALS AND PROCEDURES</u>
22	31	FIRE HYDRANTS
25	32	SERVICE MATERIAL
27	33	MISCELLANEOUS MATERIALS
	34	
	35	
29	36	<u>CONSTRUCTION DETAIL</u>
38	37	TESTING & INSTALLATION
39	38	EASEMENTS
39	39	CROSS - CONNECTION BACKFLOW



CITY OF

TABLE OF CONTENTS

STANDARD PLAN
2002

DRAWN: STAFF

CKD.: STAFF

Department of Public Works

APPR.

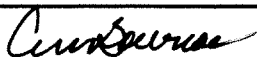
Granville M. Bowman

PLATE i

SHEET OF

PLATE SECTION

40	40	<u>GENERAL SEWER SYSTEM DESIGN GOALS AND PROCEDURES</u>
42	41	DESIGN CRITERIA
46	42	GENERAL REQUIREMENTS
47	43	SEWER LOCATION
48	44	ALIGNMENT
49	45	DEPTH OF SEWERS
49	46	STRUCTURES
52	47	STRUCTURAL
52	48	FORCE MAINS AND LIFT STATIONS
53	49	WATER-SEWER SEPARATION – HEALTH REQUIREMENTS
54	50	<u>GENERAL DRAINAGE DESIGN GOALS AND PROCEDURES</u>
55	51	STREET DRAINAGE CRITERIA
57	52	MODIFIED RATIONAL FORMULA – COOK’S METHOD
59	53	MODIFIED COOK’S – HYDROLOGIC CALCULATIONS
60	54	MODIFIED RATIONAL FORMULA – “C” FACTORS
61	--	FREQUENCY FACTORS, RAINFALL INTENSITY FACTORS AND SHAPE CORRECTION FACTORS
62	--	AREA – RUNOFF – “C” FACTORS (CURVE NO.) – GRAPH.

	TABLE OF CONTENTS		STANDARD PLAN 2002
	DRAWN: STAFF	CKD.: STAFF	PLATE ii
Department of Public Works		APPR.  Granville M. Bowman	SHEET OF

SECTION II

STREET IMPROVEMENTS

PLATE	TITLE
100	RESIDENTIAL STREET
101	NOT USED
102	ARTERIAL ROADWAY
103	NOT USED
104	RESIDENTIAL SERVICE ROAD BULB CONNECTION
105	INDUSTRIAL SERVICE ROAD BULB CONNECTION
106	NOT USED
107	RESIDENTIAL CUL-DE-SAC (PADDLE TYPE)
108	INDUSTRIAL CUL-DE-SAC
109	KNUCKLE INTERSECTION
110	CURB RAMP
111	CONC. CURB, CURB AND GUTTER, A.C. BERM
▲ 112	CONCRETE SIDEWALK (WEAKENED PLANE JOINTS, EXPANSION JOINTS, AND SCORING LINES - TYPICAL SPACING)
113	CURB AND SIDEWALK JOINTS
▲ 114	CROSS GUTTER & SPANDREL
115	DRIVEWAY
116	COMMERCIAL AND INDUSTRIAL DRIVEWAYS
117	RIBBON GUTTER
118	NOT USED
119	NOT USED
120	UNDERGROUND UTILITIES LOCATED IN STREET
121	UNDERGROUND UTILITIES LOCATED IN ARTERIAL
122	SIDEWALK DRAIN PIPE
123	NOT USED
124	PARKWAY DRAIN



TABLE OF CONTENTS

DRAWN: STAFF CKD.: STAFF

Department of Public Works

APPR.

L. Belderrama
L. Belderrama, PE, City Engineer

STANDARD PLAN
2002

PLATE iii

SHEET OF

125	BARRICADE
126	INTERSECTION AND LEFT TURN POCKET
127	MEDIAN ENDS DETAIL
128	STAMPED CONCRETE MEDIAN DETAIL

SECTION III

TRAFFIC SYSTEM IMPROVEMENTS

PLATE	TITLE
200	BUS TURNOUT - FOR STREET W/O PARKING LANE
201	BUS TURNOUT - FOR STREET WITH PARKING LANE
202	BLUE REFLECTIVE PAVEMENT MARKERS
203	TRAFFIC CONTROL SIGNS
204	SIGN POSITION AND PLACEMENT
205	STREET NAME SIGN
△ 206	OVERHEAD & ADVANCE STREET NAME SIGN
△ 207	WAYFINDING SIGN
△ 208	DOWNTOWN SIGNAGE

~~SECTION IV~~

~~WATER SYSTEM IMPROVEMENTS~~

PLATE	TITLE
300	DETAILS FOR FIRE HYDRANT INSTALLATION
301	TYPICAL BARRICADES FOR FIRE HYDRANT PROTECTION
302	VALVE ANCHOR
303	VALVE BOX INSTALLATION
304	STANDARD 1 1/2" - 2" COPPER SERVICE INSTALLATION



TABLE OF CONTENTS

DRAWN: A. ROQUE CKD.: L. B.

Department of Public Works

APPR.

L. Balderrama
L. Balderrama, City Engineer

STANDARD PLAN
2002

PLATE iv

SHEET OF

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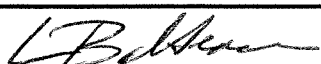
REV.	APPR. BY	DATE
	Lou B. 2/9/06	Moved from Plate iv

- ~~△ 305 — STANDARD 1" POLYETHYLENE (P.E.) SERVICE INSTALLATION —~~
- ~~△ 306 — GROUPED METER BOXES —~~
- ~~△ 307 — BLOWOFF INSTALLATION —~~
- ~~308 — COMBINATION AIR - VAC VALVE INSTALLATION —~~
- ~~309 — TYPICAL BACKFLOW PREVENTION DEVICE INSTALLATION —~~
- ~~310 — 3" & LARGER WATER SERVICE AND METER INSTALLATION —~~
- ~~311 — TYPICAL FIRE LINE INSTALLATION —~~
- ~~312 — RELOCATION OF WATER MAIN AND FIRE HYDRANT LATERALS - CONDITION I —~~
- ~~313 — RELOCATION OF WATER MAIN AND FIRE HYDRANT LATERALS - CONDITION II —~~
- ~~314 — FIRE HYDRANT CONNECTIONS AIR GAP METHOD —~~
- ~~315 — WATER SAMPLING STATION —~~
- ~~316 — PROPOSED FENCING AROUND FIRE HYDRANTS & WATER METERS —~~
- ~~317 — 3" & LARGER IRRIGATION WATER SERVICE AND METER INSTALLATION —~~
- ~~318 — METER BOX INSTALLATION AT BEACH TRACTS —~~
- ~~319 — NOT USED —~~
- ~~320 — THRUST BLOCKING —~~
- ~~321 — NOT USED —~~
- 322 — RESIDENTIAL FIRE LINE SERVICE

SECTION V

SEWER SYSTEM IMPROVEMENTS

PLATE	TITLE
400	PRE-CAST CONCRETE MANHOLE
401	MODIFYING EXISTING MANHOLES
402	CHIMNEYS
403	BLANKET PROTECTION FOR PIPES

	TABLE OF CONTENTS		STANDARD PLAN 2002
	DRAWN: A. ROQUE	CKD.: L. B.	PLATE v
	Department of Public Works APPR.  L. Balderrama, City Engineer		SHEET OF

△ 404	SUPPORT FOR CONDUITS ACROSS TRENCHES
△ 405	HOUSE CONNECTION (6" & BELOW)
△ 406	STEEP SERVICE LATERAL
407	TERMINAL CLEANOUT
408	SHALLOW MANHOLE
409	HOUSE CONNECTION REMODELING
410	INDUSTRIAL WASTE FLOW MONITORING VAULT
411	DROP MANHOLE
412	MANHOLE FRAME AND COVER
413	SAMPLE WELL
414	NOT USED
415	GREASE INTERCEPTOR - INTERNAL PLUMBING CONFIGURATION
416	GRAVITY SEPARATOR - INTERNAL PLUMBLING CONFIGURATION

SECTION VI

DRAINAGE SYSTEM IMPROVEMENTS

PLATE	TITLE
500	NOT USED
501	CURB OPENING CATCH BASIN
502	CURB OPENING CATCH BASIN WITH GRATING(S)
503	CURBSIDE GRATING CATCH BASIN
504	GRATING CATCH BASIN - ALLEY (LONGITUDINAL)
505	GRATING CATCH BASIN - ALLEY (TRANSVERSE)
506	DETAIL OF CATCH BASIN OPENING
507	CATCH BASIN REINFORCEMENT
508	MONOLITHIC CATCH BASIN CONNECTION
509	LOCAL DEPRESSION FOR SIDE OPENING CATCH BASIN
510	CATCH BASIN MANHOLE FRAME AND COVER
511	BICYCLE PROOF GRATE DETAILS



TABLE OF CONTENTS

DRAWN: A. ROQUE CKD.: L. B.

Department of Public Works

APPR.

L. Balderrama
L. Balderrama, City Engineer

STANDARD PLAN
2002

PLATE vi

SHEET OF

REV.	APPR. BY	DATE

REV.	APPR. BY	DATE
△	Lou B.	2/9/06
	Moved from Plate vi	

△ 512	CONCRETE COLLAR
△ 513	MANHOLE NO. 1
△ 514	MANHOLE NO. 2
515	MANHOLE NO. 3
516	CONCRETE RINGS, REDUCER FOR MANHOLE SHAFT
517	MANHOLE FRAME AND COVER
518	NOT USED
519	NOT USED
520	WINDOW DETAILS FOR MULTIPLE BOX SECTION
521	JUNCTION STRUCTURE NO. 1
522	JUNCTION STRUCTURE NO. 2
523	JUNCTION STRUCTURE NO. 3
524	JUNCTION STRUCTURE NO. 4
525	JUNCTION STRUCTURE NO. 5
526	NOT USED
527	NOT USED
528	TRENCH WIDTH AND LOAD FACTOR
529	REINFORCED CONCRETE PIPE CHART
530	"D" LOAD TABLE FOR DESIGN OF REINFORCED CONCRETE PIPE
531	TRANSITION STRUCTURE NO. 1 (PIPE TO BOX)
532	TRANSITION STRUCTURE NO. 2 (SINGLE BOX TO SINGLE BOX)
533	TRANSITION STRUCTURE NO. 3 (SINGLE BOX TO BOUBLE BOX)
534	TRANSITION STRUCTURE NO. 4 (DOUBLE BOX TO DOUBLE BOX)
535	TRANSITION STRUCTURE NO. 5 (DOUBLE BOX TO TRIPLE BOX)
536	TRANSITION STRUCTURE NO. 6 (TRIPLE BOX TO TRIPLE BOX)

SECTION VII

MISCELLANEOUS

PLATE	TITLE
600	RETAINING WALL



TABLE OF CONTENTS		STANDARD PLAN 2002
DRAWN: A. ROQUE	CKD.: L. B.	PLATE vii SHEET OF
Department of Public Works APPR. L. Balderrama, City Engineer		

REV.	APPR. BY	DATE

REV.	APPR. BY	DATE
△	Lou B.	2/9/06
	Moved from Plate vii	

△ 601	STANDARD LOT DRAINAGE
△ 602	STANDARD TRENCH BACKFILL REQUIRMENT
603	NOT USED
604	PARALLEL REFUSE CONTAINER ENCLOSURE WITH SIDE ENTRANCE
605	PARALLEL REFUSE CONTAINER ENCLOSURE WITHOUT SIDE ENTRANCE
606	PERPENDICULAR REFUSE CONTAINER ENCLOSURE WITHOUT SIDE ENTRANCE
607	30 YARD REFUSE CONTAINER ENCLOSURE
608	DECK/FENCE CONSTRUCTION OVER OR NEAR BULKHEAD WALL
609	SURVEY MONUMENT
610	PARALLEL DOCK AND PILING LOCATIONS
611	PERPENDICULAR DOCK AND PILING LOCATIONS
612	PAINTED CURB HOUSE NUMBERS
613	STANDARD CHAIN LINK FENCE



TABLE OF CONTENTS

DRAWN: A. ROQUE CKD.: L. B.

Department of Public Works

APPR.

L. Balderrama
L. Balderrama, City Engineer

STANDARD PLAN
2002

PLATE viii

SHEET OF

10**GENERAL ROAD DESIGN GOALS AND PROCEDURES**

- 10 - 1 All streets and roadways to be build within and made part of the City road system shall be designed to conform to these standards. Where standards are not definitive , design shall conform to good engineering practice approved by the Director of Public Works. The Caltrans Design Manuals generally provide guidance in " good engineering practice " of road design.
- 10 - 2 The Public Works Director may issue , modify , revise or cancel standards showing engineering and construction details for roadways and other construction.
- 10 - 3 Deviations from Right-of-Way and improvements of these standards shall be allowed only with the approval of the Public Works Director. Deviation from the technical requirements of the standards may be granted by the Public Works Director. Any request for deviation from the requirements of the standards must be accompanied by sufficient supporting data . The applicant requesting the deviations shall provide the supporting data well in advance and obtain the approval prior to utilizing the proposed deviation in his design.
- 10 - 4 Turning lanes at intersections and bicycle lanes may require Right - of - Way and improvement widths greater than those shown on the 100 - series standards.
- 10 - 5 Design loading for box culverts and bridges on all roadways shall be AASHTO H-20.
- 10 - 6 Vertical clearance on all roadways shall be 15' minimum .
- 10 - 7 Sight distance on all curvilinear roads shall be per Table-I.

11**GRADES****11 - 1****LONGITUDINAL GRADE :**

All streets and roadways shall have minimum grade of 0.40% on straight reach. On curved alignment, minimum grade of 0.40% is required on outer radius of the curve. This will entail steeper grades along centerline.

11 - 1.1

Minimum grade of cross-gutter and spandrell flow line shall be 0.50%. This grade will be required on centerline of the street parallel to the cross-gutter . Cross fall should not be adjusted to accomplish the required grades.

11 - 1.2

Minimum grade across " Knuckle " is 0.40% along outer curb. This will require steeper grades along centerline and inner curb

11 - 1.3

Minimum grade on flowline of a cul-de-sac shall be 0.40%. Adjust the centerline grade such that cross - fall ranges between 1.6% minimum and 3.6% maximum.

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STANDARD PLAN

PLATE 1

SHEET OF

11 - 2

TRANSVERSE GRADE:

More commonly known as cross fall shall be not less than 1.6%. Preferable value of the cross fall is 2.0%. It shall not be more than 3.6% unless approval of higher value is granted by the Public Works Director.

11 - 3

GRADE BREAKS:

Grade breaks on all streets and roadways shall be limited to 0.5% maximum. Where grade differential is greater than 0.5% vertical curve shall be required per table -2, section 12 - 2. A maximum of 1.0% grade break is allowed on curb-returns before a vertical curve is required. For the ease of plan-checking show your grade break points on profile. Also show tangent grades in parentheses when actual finish surface profile is a vertical curve. Grade breaks must not be closer together than the length of vertical curve for grade changes of 1.0%. See section 12-2, " vertical curves " in this text.

12

GEOMETRIC DESIGN STANDARDS

12 - 1

HORIZONTAL CURVES:

Minimum horizontal curve design criteria for street and roadways within the City jurisdiction shall be as summarized in Table-1.

TABLE - 1

MINIMUM HORIZONTAL CURVE DESIGN CRITERIA

DESIGN CRITERIA	RES. STREETS	COMM./INDUSTR.	LOCAL/ SEC. ARTERIAL	PRIMARY ARTERIAL
Design Speed (m.p.h.)	30	35	45	55
Minimum Centerline Radius (feet)	200	300	850	1,150
Minimum horizontal Sight distance (feet)	200	250	370	510
Minimum reverse Curve tangent (feet)	100	200	300	500
Minimum approach tangent @ intersections (feet)	100	200	300	500

12 - 2

VERTICAL CURVES:

Minimum vertical curve design criteria for streets and roadways within the City jurisdiction shall be as summarized in Table-2.

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STANDARD PLAN

PLATE 2

SHEET OF

REV.	APPR. BY	DATE			

TABLE - 2 VERTICAL CURVE DESIGN CRITERIA

Minimum lengths of vertical curves to maintain required sight distances and smooth riding characteristics.

A = Algebraic difference in grades , for values of "A " between tabulated values, use next higher value.

B = Length of vertical curve at bulb end of cul-de-sac.

DESIGN SPEED		25 M.P.H.		30 M.P.H.		35 M.P.H.		40 M.P.H.		45 M.P.H.		50 M.P.H.		55 M.P.H.	
STOPPING SIGHT DISTANCE		160 FT.		200 FT.		250 FT.		310 FT.		370 FT.		440 FT.		510 FT.	
A	B	SAG	CREST	SAG	CREST	SAG	CREST	SAG	CREST	SAG	CREST	SAG	CREST	SAG	CREST
≤ 0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
> 0.5	10	10	10	10	10	10	10	10	10	20	20	20	20	30	30
1.0	10	10	10	20	20	20	20	20	20	30	30	30	30	50	50
1.5	10	20	20	20	20	30	30	30	30	40	40	50	50	70	100
2.0	10	20	20	30	30	40	40	40	40	60	80	80	200	100	330
3.0	20	30	30	40	40	80	50	130	160	180	280	240	420	300	570
4.0	20	80	30	130	70	190	170	250	270	320	400	400	560	480	760
5.0	30	130	60	180	130	250	230	330	350	410	500	500	700	600	950
6.0	30	160	100	220	170	300	270	390	420	490	600	600	840	720	1140
7.0	40	190	120	260	210	350	320	460	490	560	700	700	980	840	1330
8.0	40	220	150	300	230	400	360	520	550	650	800	800	1120	960	1520
9.0	50	240	180	330	260	450	410	580	620	730	900	900	1260	1080	1710
10.0	50	270	200	370	290	500	450	650	690	810	1000	1000	1400	1200	1900
11.0	60	300	220	400	320	550	500	720	760	890	1100	1100	1550	1350	2100
12.0	60	320	240	440	350	600	550	780	830	970	1200	1200	1700	1500	2300



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Public Works Department

GENERAL REQUIREMENTS - STREETS

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 SHEET 3 OF 3

STANDARD PLAN

12-3

MINIMUM CURB RETURN AND PROPERTY LINE RADII SHALL BE AS FOLLOWS :

TABLE-3 MINIMUM RADII AT INTERSECTIONS

<u>Type of Intersection.</u>	<u>Curb Return</u>	<u>Property Line</u>
Residential - Residential	25 feet	12 feet
Residential - Comm./ Ind.	30 feet	17 feet
Comm./ Ind. - Comm./ Ind.	30 feet	17 feet
Comm./ Ind. - Local/ Sec. Art.	30 feet	15 feet
Residential - Local/ Sec. Art.	30 feet	15 feet
Residential - Primary Art.	30 feet	15 feet
Comm./ Ind. - Primary Art.	35 feet	20 feet
Local/ Sec. Art. - Local/ Sec. Art.	35 feet	20 feet
Local/ Sec. Art. - Primary Art.	40 feet	25 feet
Primary Art. - Primary Art.	40 feet	25 feet

12-4

ROAD WIDTH TRANSITION TAPERS:

When constructing a roadway that will directly connect with an existing roadway of less width, it is necessary to install a transition taper between the two. The length of taper depends upon the offset difference between the outside travelled edge of the two sections and the speed limit or design speed as shown in the taper formula below.

These values are not to be used in the design of speed change or left turn storage lanes

MINIMUM ROAD WIDTH TRANSITION TAPERS

TAPER FORMULA:

$L = S \times W$ For speeds greater than 40 mph

$L = \frac{W S^2}{60}$ For speeds of 40 mph or less.

WHERE :

L = Length of taper (min. 100')

S = Numerical value of posted speed limit or 85 percentile speed

W = Width of offset.

13

ASPHALT CONCRETE PAVEMENT DESIGN

13-1

GENERAL PRINCIPLES

The design of asphalt concrete pavement is based on the principle of layers of progressively decreasing strengths from the finished surface to the sub-grade. In each case, the finished surface consists of a layer of asphalt concrete pavement of the thickness computed by the design formulas, but not less than a specified minimum thickness.



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STANDARD PLAN

PLATE 4

SHEET OF

The design method provides a numerical solution to the thickness of any layer based on the following :

- a. The Traffic Index, a measure of the amount and type of truck traffic that is expected over the 20-year period following construction.
- b. The physical strength, measured by gravel equivalent , of the layer being designed.
- c. The physical strength, measured by R-Value , of the layer immediately below the layer being designed.
- d. The minimum physical strength, measured by R-Value, of the sub-grade material.
- e. The thickness and physical strength , measured by gravel equivalent, of the material above the layer being designed, if any.

By varying the types of materials used, a number of different, acceptable pavements can be designed for each combination of Traffic Index and sub-grade R-Value.

13-2

ECONOMIC CONSIDERATIONS:

The relative costs of the materials making up the layers of pavement vary from time to time resulting in differing combinations of layers being the most economical at any given time. In selecting a complete pavement design, the following should be taken into consideration:

- a. Sub-grade soils can be improved in strength by several types of treatment which do not require the material to be removed from the site.
- b. Base materials with R-Values less than that of Standard Specification Crushed Miscellaneous Base (C.M.B.) can be used economically with the lower Traffic Indices. A note on the plans or a special provision is needed.
- c. Existing bases and surfacing can be reused. This may require treatment in place or removal and reprocessing.
- d. Materials cannot be compared on cost per ton basis alone because:
 - (1) Higher strength materials require less thickness when used in place of lower strength materials.
 - (2) Elimination of a complete layer by thickening the layer above may result in savings in construction costs not reflected in per ton costs alone.
 - (3) Gravel equivalent of A.C. increases when thickness is over 0.4 feet.
- e. Thinner overall thickness of the layered pavement sections results in less excavation and may avoid interference with or



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Public Works Department

STANDARD PLAN

PLATE 5

SHEET OF

damage to utility and drainage facilities.

f. Current scarcity in the supply of any material used.

Several alternate sections should be designed, the overall cost of each estimated, and the most economical section specified. Where costs are nearly equal or where relative costs of materials are changing rapidly, it may be desirable to provide more than one acceptable design from which the contractor can choose the one to construct.

13-3

DESIGN METHOD

13-3.1

NOMENCLATURE

T = Thickness of layer in feet.

TI = Traffic index from standard drawings plates or a greater value indicated by a traffic engineering study.

GF = Gravel factor of material in a layer.

GE = Gravel equivalent of the pavement or a layer. The theoretical thickness of the pavement or layer if composed entirely of material with a GF of one.

SF = Safety factor. An additional thickness of A.C. expressed as gravel equivalent.

R = Minimum resistant R-Value of material.

AC = Subscript referring to Asphalt Concrete layer.

B = Subscript referring to Base layer.

SB = Subscript referring to Subbase layer.

SG = Subscript referring to Subgrade.

MIN = Subscript referring to Minimum Allowable Thickness of a layer.

13-3.2

CONSTANTS FOR AC

GF = 2.5 for $TI \leq 5$

GF = $\frac{5.67}{\sqrt{TI}}$ for $TI > 5$

T_{AC} min. over Base material or stabilized subgrade = 0.25 ft.

T_{AC} min. over unstabilized subgrade = 0.33 ft.

13-3.3

CONSTANTS FOR BASES AND SUBBASE

MATERIAL	R*	GF	SF _{AC} **	T Min. , Ft.
Select subbase	60	1.0	0	0.33 (Subbase only)
CAB				
GMB	80	1.1	0.16	0.33
Lime Treated	80	***	0.18	0.50
Base				
Soil Cement	80	1.2	0	0.50
Bituminous	80	1.3	0	0.50
Stabilized Base				
Cement Treated	80	1.2	0.18	0.50
Base				



CITY OF

GENERAL REQUIREMENTS - STREETS

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STANDARD PLAN

PLATE 6

SHEET OF

*Maximum R-Value , lesser values must be used if standard specifications are modified.

**For $T.I. < 8.0$, $SF_{AC}=0$

***LTB GF = 0.9+ (Unconfined compressive strength in PSI/1000)

13-3.4

CONVENTIONAL DESIGN

A layered system of A.C., base and sub-base over the subgrade. The material in each layer must have a higher R-Value than the material below it. The thickness of each layer is designed, starting with the A.C. surface layer and working down, as follows:

- $GE_{AC} = 0.0032 \times TI \times (100 - R_B) + SF_{AC}$
- $T_{AC} = GE_{AC} / GF_{AC}$ If $T_{AC} < 0.25$, use $T_{AC} = 0.25$ ft.
- $GE_B = 0.0032 \times TI \times (100 - R_{SB}) - (T_{AC} \times GF_{AC})$
- $T_B = GE_B / GF_B$ If $T_B < T_{MIN}$, use $T_B = T_{MIN}$
- $GE_{SB} = 0.0032 \times TI \times (100 - R_{SG}) - (T_{AC} \times GF_{AC}) - (T_B \times GF_B)$
- $T_{SB} = GE_{SB} / GF_{SB}$ If $T_{SB} < T_{MIN}$, then either
 (1) $T_{SB} = T_{MIN}$ or
 (2) $T_B = (GE_B + GE_{SB}) / GF_B$ and $T_{SB} = 0$

13-3.5

THICK LIFT DESIGN

An A.C. surface layer , 0.3 feet or more in thickness , placed either directly on the subgrade (stabilized* or unstabilized) or over a layer of base material* designed as follows:

- $GE_{AC} = 0.0032 \times TI \times (100 - R_{SG}) - T_B \times GF_B$
- $T_1 = GE_{AC} / GF_{AC}$
- If $T_1 \leq 0.4$ ft., $T_{AC} = T_1$
- If $T_1 > 0.4$ ft., $T_2 = [GE_{AC} - (0.4 \times GF_{AC})] / (1.3 \times GF_{AC})$
- If $T_2 \leq 0.4$ ft., $T_{AC} = 0.4$ ft. + T_2
- If $T_2 > 0.4$ ft., $T_3 = [GE_{AC} - (0.92 \times GF_{AC})] / (1.5 \times GF_{AC})$
- Then $T_{AC} = 0.8$ ft. + T_3

* Base or stabilized subbase shall be 0.5 ft. or thicker.

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GENERAL REQUIREMENTS - STREETS

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STANDARD PLAN

PLATE 7

SHEET OF

14

INTERSECTION

All at-grade intersections provide linkage between two or more streets. Design considerations should be such that intersections provide smooth riding characteristics and ample unobstructed sight distances. Minimize the use of cross-gutters, whenever possible. Also, all intersections and certain approach distances withstand greater acceleration and deceleration actions.

To help minimize the wear and tear of the pavement, increase the design value of traffic index by 0.5 and increase the structural section. If the intersection is formed by the junction of two or more roadways, then the entire intersection shall be designed for the upgraded T.I. of the street with higher T.I.. The entire intersection means, full pavement width traversing along main street from the beginning of first curb return to the end of last curb return plus the maximum coverage of the secondary street by extending perpendicular lines from the farthest end of curb returns.

The approach distances shall be those sight distances given in Table 1 (sub-section 12-1) and measured beyond the limit of the intersection as defined above. The approaches on main street shall be designed for the T.I. = designated T.I. + 0.5 of the main street and similarly the approaches on secondary street shall be designed for T.I. = designated T.I. + 0.5 of the secondary street.

This could be accomplished by thickening asphalt and / or base section or any combination thereof. Also, it is desirable to bring up to pavement surface and reduce the curb height thereby. This helps in the design of the access ramps for physically handicapped and forces the drainage flow away from the intersection.

15

MATERIAL TESTING

15-1

ADMINISTRATIVE

15-1.1

All design for thickness of pavements, including soils testing, and all control testing during construction shall be performed by a Materials Engineer.

15-1.2

A Materials Engineer acceptable to the Director of Public Works shall be employed and paid by the developer of any land development project and by permittee on jobs requiring permits. The Materials Engineer, or a consulting Engineer employed by the City, shall be the Materials Engineer on City projects.

15-1.3

A materials Engineer shall be a Registered Civil Engineer knowledgeable in the field of soil mechanics and road materials.

15-1.4

Since A.C. (viscosity) varies from refinery to refinery, use of A.C. 4000 (as called on Std. Plates) may be substituted with A.R. 8000 by the Engineer.



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GENERAL REQUIREMENTS - STREETS

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STANDARD PLAN

PLATE 8

SHEET OF

Public Works Department

15-2 TEST METHODS AND REPORTS

15-2.1 Materials shall be tested in accordance with "City Standard Specifications" , as well as those supplementary test methods required by the Director of Public Works.

15-2.2 A soil classification survey (Unified Soil Classification System) shall be performed at appropriate intervals in the street areas of subdivisions to determine the areas with similar soils.
A limited number of soils tests shall be made, as required, prior to pavement design. Tests for pavement design shall not be done until rough grading has been completed to within one foot of final finish surface grade, nor until it is assured that the soils sampled are representative of those at the final grade.

15-2.3 The test report shall include the results of sampling and testing, work sheets for the subgrade strength tests, a plan showing material limits and areas represented by a given subgrade strength test and specific recommendations derived from the test data given. Any other test data not required but which will have an effect on the recommendations shall be included.

15-2.4 During construction a sufficient number of tests shall be made to assure that the quality of construction and component materials is equal to that required by specification. These specified requirements include, but are not limited to , fill densities and supporting qualities, subgrade and base quality and compaction, and asphalt concrete quality and compaction.
When treated soil or aggregate is used, a quality control plan must be submitted and approved by the City of Oxnard.

15-2.5 Though materials may be tested for conformity to specification while stockpiled, final acceptance of these materials **will be** subject to their conformity to specification requirements when in final position on the work.

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STANDARD PLAN

PLATE 9

SHEET OF

20 GENERAL STREET LIGHTING, TRAFFIC SIGNALS, TRANSIT.

20-1 STREET LIGHTING GUIDELINES

<u>TYPE STREET</u>	<u>LIGHTING</u>
Local Residential	5800 Lumen High Pressure Sodium Vapor (HPSV) one side at 180 to 240 foot spacing.
Heavily - Traveled Collector street	9500 Lumen HPSV one side at 180 to 240 foot spacing
Thoroughfare	9500 Lumen HPSV in median at 180 - 240 foot spacing on staggered sides of pole except at intersections or along high pedestrian traffic areas where two lights per pole shall be placed. Where no median 9500 Lumen HPSV on one side at 180 to 240 foot spacing.

20-2 TRAFFIC SIGNALS

Caltrans standard plans and specifications are made a part of plans with following special provisions :

1. Conduits shall be rigid metallic. Min cover 36" over buried conduits.
2. Pedestrian signals shall be type A.
3. Detector loop wire shall be type I. Lead in cable shall be type B.
4. Luminaires shall be 200 WHPSV (Watts High Pressure Sodium Vapor), cutoff type.
5. Internally illuminated street name signs shall be double-faced, type A.
6. At least one telephone drop must be provided to each isolated signal or each interconnected system. Signal interconnect conduit to be installed along all arterial highways.



GENERAL REQUIREMENTS - STREETS

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Public Works Department

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STANDARD PLAN

PLATE 10

SHEET OF

7. Electrical service enclosure shall be type III BF.
8. Concrete pullboxes shall be used.
9. Splices shall be Insulated by Method B. Conductors # 8AWG or larger shall be spliced by use of "C" shaped compression connectors.
10. Type 170 signal controller equipment in type 332 cabinet (anodized aluminum) modified to provide 2 serial ports on 170 unit and 412/64 program module configured with 27-256 EPROM with 8K RAM and 4K zero power RAM.
11. Signal head reflectors shall be ALZAK.
12. Back plates shall be metallic . Signal heads may be plastic.

20-3

TRANSIT FACILITIES

Where required , bus pullouts shall be designed per Plate 200&201. When only a bus pad is required the pavement section shall be designed for T.I. = 10.5
The dimensions of the pad shall be 60 feet x 10 feet unless otherwise directed.

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Oxnard

GENERAL REQUIREMENTS - STREETS

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Public Works Department

STANDARD PLAN

PLATE 11

SHEET OF

DETAIL SPECIFICATIONS FOR WATER SYSTEM

The Public Works Department reserves the right to review, change or modify these specifications at any time. It shall be the responsibility of any person doing work under these specifications to obtain the most current issue and addendums.

30.0 GENERAL

Materials:

1. Any material or item installed in the water system will be of American origin. Materials and other products manufactured (from ore to finish) outside of the legal boundaries of the United States are not acceptable and will not be installed in the City's water system. A certificate of origin and/or specification compliance may be required.
2. Protective Coating:
 - a. Cast Iron/Ductile Iron Fitting. Interior shall be cement lined and thermo epoxy lined to and including full flange face and/or push on joints.
 - b. Exterior ferrous surfaces and manufacture supplied bolts shall be bituminous coated and PE wrapped.
3. Copper. All below grade copper pipe and fittings will be Polyethylene tube encased, completely sealed at joints and ends.
4. Silver solder. All below grade copper fittings and joints will be silver soldered. Silver Solder Grade 85-15 (15% Silver).
5. Flange Bolts. All below grade flange bolts and nuts will be stainless steel Grade 304.
6. Irrigation Service. All irrigation services will be copper per Plate 304.
7. Backflow Devices. All backflow piping 3/4" to 2" will be Type K Hard. All fittings shall be Silver Soldered. Control gate valve shall be Resilient Seat type, 3/4" to 2". Control valve shall be ball type. All devices shall be tested and approved by USC Foundation.



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Public Works Department

STANDARD PLAN

PLATE 12

SHEET 1 OF 1

8. Valves. All main line valves 6" to 12" shall be approved Resilient Seat Gate Style. Valves larger than 12" shall be Butterfly.
9. Fire Hydrants. All fire hydrants shall be of bronze construction and fluted body style with removable stem inserts.
10. Copper Wire. In continuous runs of PVC pipeline and polyethylene services, a 12 gauge insulated copper wire shall be laid above the pipeline. The wire shall be attached to all gate valves and extended up into valve box, refer to Plate 303. Copper wire shall be continuous. Breaks or joints shall be soldered and insulated.
11. Steel Pipe. Steel pipe used to cross sewer or storm drains shall have minimum thickness of .250 inches as required by Health Department.
12. Water Services. All services shall be the same size from corp stop to discharge point of tail piece. Example: 1" corp stop, 1" service line, 1" meter, 1" tail piece; if required, 1" backflow device.

Services shall be installed at the locations shown on the plans, at right angles to the centerline of the main in public right-of-way within 18" of side property line, and shall be spaced a minimum of 10 feet from any sewer lateral. Services will be permitted in driveway areas only with special written approval.

13. Asbestos-Cement Pipe. The installation of ACP in the water system is not approved by City Council.

30.1

Bronze:

Whenever a part of the fitting is specified to be bronze, it shall be composed of what is known as Red Brass; for example, copper 85%, zinc 5%, and tin 5% with a tensil strength of 30,000 psi, yield strength of 14,000 psi and allowable elongation of 20% unless otherwise specified. In no case shall bronze parts or fittings contain more than 2% aluminum or more than 5% zinc. Certificate of compliance is required from the manufacturer.



GENERAL REQUIREMENTS - WATER

DRAWN: SOHER

CKD

Jay Patel

APPR. BY

Benjamin J. Wong

STANDARD PLAN

PLATE 13

SHEET 1 OF 1

Public Works Department

30.2

Ductile Iron Pipe:

1. General - Ductile iron pipe, Class C-52, 6" through 24" shall be furnished with tyton joint pipe or mechanical joint with a normal laying length of 18' in accordance with AWWA C151-76.
2. Joints - Mechanical joint and tyton joint accessories and dimensions shall conform to the applicable requirements of AWWA C110.77 unless otherwise specified. Mechanical joint glands shall be gray cast iron. Retaining gland/flange adapters with a set screw as a retaining device are not approved for use.
3. Coating and Lining - Ductile iron pipe shall be lined with cement mortar in conformance with AWWA C-104-74, minimum thickness as follows:
 6" to 12" = 1/16"
 14" to 24" = 3/32"
 The exterior coating for use under normal conditions shall be bituminous coating approximately one (1) mil thick. The finish coat shall be continuous, smooth, neither brittle when cold nor sticky when exposed to the sun and shall be strongly adherent to the pipe in accordance with AWWA C-106-75 and polyethylene encased AWWA C-105-72.
4. Marking Pipe - The weight, class or nominal thickness and sampling method shall be shown on each pipe. The manufacturer's mark, production year and the "DI" or DUCTILE shall be cast or stamped on the pipe. All required markings shall be clear and legible and all cast marks shall be on or near the bell, in accordance with AWWA C-106-75.
5. Fittings - Fittings for ductile iron pipe shall conform to AWWA C-110-77. All fittings shall be cement mortar lined and thermo epoxy coated, refer 33.1-1.

Fittings for ductile iron pipe shall conform to AWWA specifications for Class "D" fittings.

 CITY OF San Bernardino	GENERAL REQUIREMENTS - WATER			STANDARD PLAN
	DRAWN: SOHER	CKD: <i>Jay Patel</i>	APPR. BY: <i>Benjamin Y. Wong</i>	PLATE 14
Public Works Department			SHEET 1 OF 1	

30.3

PVC PIPE

1. Pipe: PVC pipe shall conform to the quality and strength requirements of AWWA C-900 which cover PVC (Polyvinyl Chloride) pipe in sizes 4 - 12 inches. Each standard or random length of pipe shall be clearly marked with the following:
 - a. Nominal size and OD base, i.e., 6" cast iron size.
 - b. Material Code PVC1120.
 - c. Dimentional rates, i.e., DR 25 where DR is equal to Diameter divided by Thickness.
 - d. AWWA Pressure Class CL. 150/DR-18. CL200-DR-14.
 - e. AWWA Designation "AWWA C-900."
 - f. Manufacturer's Trade Name and Production Code.
 - g. Seal (mark) of testing agency.
2. The standard laying length shall be 20' $\pm$ 1" in all classes and sizes. A maximum of 15% may be furnished in random lengths of not less than 10 feet each.
3. AWWA C-900 pipe has the same outside diameter (OD) as that of cast iron pipe (C.I.P.) in the sizes furnished.
4. One gasket shall be furnished with each length of elastomeric-gasket bell-end and two gaskets shall be furnished with each coupling where couplings are authorized. Prior approval is required for the use of coupling.
5. Pipe surfaces shall be free from nicks, scratches and other blemishes. The joining surfaces of pipe spigots and of integral bell and sleeve reinforced bell sockets shall be free from gouges or other imperfections that might cause leakage.
6. Trade names which are approved are Certainteed "Vinyl Iron Pipe," J.M. Mfg. "Blue Brute Pipe," and Pacific Western.
7. Joint Mechanisms: The joints shall be either of the following:
 - a. Integral Wall Thickness Bell End.
(Bell and spigot with Elastomeric gasket.)



GENERAL REQUIREMENTS - WATER

DRAWN: SOHER

CKD.

Jay Patel

APPR. BY

Bayimeen J. Wong

Public Works Department

STANDARD PLAN

PLATE 15

SHEET 1 OF 1

- b. Integral sleeve reinforced bell end with elastomeric gasket.

PVC solvent joints, although allowed in the AWWA C-900 Standard, are not approved.

8. PHYSICAL TEST REQUIREMENTS:

Hydrostatic, Burst and Sustained Pressure and Crushing:

Test shall be conducted by a testing laboratory with such testing available for inspection by Water Division. If required, the manufacturer shall supply a Letter of Certification attesting to their pipe meeting these specifications.

1. The Hydrostatic Proof Test for every piece of pipe shall be as follows:

<u>CLASS</u>	<u>SUSTAINED PSI</u>
DR = 18 or Class 150	600
DR = 24 or Class 250	800

30.4

STEEL PIPE

1. Steel pipe shall conform to the quality and strength requirements of AWWA C-200 or as specified below - that standard pertains to electrically butt-welded straight-seam or spiral seam pipe and to seamless pipe 6" (150mm) in diameter or larger.

The steel shall conform to one of the following:

<u>Specification</u>	<u>Grade</u>	<u>Minimum Yield Point (psi)</u>
ASTM A 283	Grade C	30,000
	Grade D	33,000
ASTM S 570	Grade 30	30,000
	Grade 36	36,000
	Grade 40	40,000
	Grade 45	45,000



CITY OF

Oxnard

GENERAL REQUIREMENTS - WATER

DRAWN: SOHER

CKD.

Joy Hotel

APPR. BY

Benjamin Y. Wong
Public Works Department

STANDARD PLAN

PLATE 16

SHEET 1 OF 1

The stress in the steel pipe shall not exceed the higher of 15,000 psi or one-half the designated working pressure that the following minimum thickness shall be used:

<u>Normal Inside Diameter</u>	<u>Minimum Thickness</u>	<u>Maximum Pressure For Thickness Specified</u>
<u>Inches (mm)</u>	<u>Inches</u>	<u>PSI</u>
8" (200 mm)	0.135 (10 gage)	394 psi
10" (250 mm)	0.135 (10 gage)	405 psi
12" (300 mm)	0.135 (10 gage)	338 psi
14" (350 mm)	0.135 (10 gage)	289 psi
16" (400 mm)	0.135 (10 gage)	253 psi
18" (450 mm)	0.179 (8 gage)	298 psi

Minimum thickness to conform to Health Department requirement is .250 inches.

Assuming 15,000 psi stress and the following below:

$$P = \frac{2ST}{D} \text{ where}$$

P = Pressure (maximum working)

S = Allowable stress (15,000 psi or one-half yield)

T = Pipe wall thickness (inches)

D = Outside diameter (inches)

The gage specified above considers the thickness required for external loads and a corrosion allowance.

The pipe shall be essentially round. The outside circumference shall not vary more than +/- 1.0 percent from the nominal outside circumference based upon the diameter specified (except for the ends which are discussed below).

The pipe shall not deviate by more than 1/8" from a 10' long straight edge held against the pipe.

The pipe lengths, generally 40' long, shall be furnished with a tolerance of +/- 2 inches. Random lengths shall be furnished in lengths averaging 29' or more, with a minimum length of 20 feet.



GENERAL REQUIREMENTS - WATER

DRAWN: SOHER

CKD

Jay Patel

APPR. BY

Benjamin J. Wong

STANDARD PLAN

PLATE 17

SHEET 1 OF 1

Public Works Department

2. PIPE ENDS - various end treatments can be supplied as discussed in AWWA C-400 and briefly listed below:

Ends for mechanical coupled field joints - these are either plain, grooved, or banded.

Ends for lap joints for field welding - these shall have a bell end pressed or rolled without hammering. The surfaces shall be ground smooth. Joints shall permit a lap, when the joint is assembled, of at least 1-1/2 inches.

Plain end pipe - these shall have a plain end right angle cut.

Beveled ends for field butt welding - these, where specified, shall have a bevel which is 30 degrees (+5 degrees -0 degrees) when measured from the pipe axis.

Ends fitted with butt straps for field welding - the butt straps may be made in halves or as complete cylinders.

Bell-and-spigot ends with rubber gaskets - these shall have bell ends which are made without hammering. Spigot ends shall be formed or fabricated to the required shape to retain the gasket. The gasket shall be designed and fitted as the sole element dependent upon to make the joint water-tight. The gasket shall meet the requirements of AWWA C-400.

Plain ends fitted with flanges.

The allowable tolerance at pipe ends is discussed in AWWA C-400 and summarized below:

For bell and spigot - clearance between O.D. of spigot and I.D. of bell shall be between 0.2 - 0.06 inches.

For lap joint - I.D. of bell shall be 1/32 - 3/16 inches greater than O.D. of spigot.

For plain ends (incl. beveled or butt straps or flanges) O.D. within 4" of end shall be +1/16" or +1/8" from specified O.D.



CITY OF

Oxnard

GENERAL REQUIREMENTS - WATER

DRAWN: SOHER

CKD.

Jay Patel

APPR. BY

Public Works Department

Benjamin J. Wong

STANDARD PLAN

PLATE 18

SHEET 1 OF 1

3. HYDROSTATIC TESTS - each pipe shall be tested by the manufacturer to a pressure not less than that determined by:

$$P = \frac{2ST}{D}$$

where S = 0.75 times the minimum yield strength of the steel and the other items are as discussed earlier.

30.5 CEMENT MORTAR LINING

Cement mortar lining shall be uniform in thickness except at joints or other discontinuities. Ends of lining shall be left square and uniform and the lining holdback shall be as specified for the particular type or joint.

1. Mortar lining and coating (ML & C) - unless otherwise approved or as revised below, all steel pipe shall be mortar lined and coated in accordance with AWWA C-205 which covers shop applied lining and coating. Cement shall be Type II, ASTM C150.

Cement Mortar Lining Thickness

Normal Pipe Size Inches	Lining Thickness Inches	Tolerance Inches
6"-10"	1/4	-1/32 + 1/32
12"-16"	3/8 5/16	-1/32 + 1/32
18" and larger	3/8	-1/16 + 1/8

It should be noted that no wire fabric reinforcement is required for any lining of special fittings less than 24" in diameter.

30.6 CEMENT MORTAR COATING

Cement mortar coating shall be reinforced over all outside surfaces of the pipe and special fittings. The coating shall be a uniform thickness except at joints or other discontinuities in the pipe. Ends of coating shall be left square and uniform and the coating holdback shall be as specified for the particular type of joint.

Cement Mortar Coating Thickness

1. Nominal Pipe Size Inches	Coating Thickness Inches	Tolerance Inches
6"-10"	1/2	-0 + 1/8
12"-16"	5/8	-0 + 1/8
18" and larger	3/4	-0 + 1/8



CITY OF

Oxnard

GENERAL REQUIREMENTS - WATER

DRAWN: SOHER

CKD

Jay Bittel

APPR. BY

Benjamin Y. Wong

STANDARD PLAN

PLATE 19

SHEET 1 OF 1

Public Works Department

2. Reinforcement for the coating of pipe section shall be one of the following as specified by the supplier:

Spiral wire - 15 gage @ max. 1-1/4" spacing with wire meeting ASTM A82.

Wire fabric - 2x4 steel wire mesh, 13 gage each way meeting ASTM A185.

Ribbon mesh - 1x1 mesh of 18 gage wire or 1-1/2 x 1-1/4 mesh of 17 gage wire all meeting ASTM A82.

30.7

FIELD JOINTS

1. ELECTRICALLY BONDED CONNECTIONS. Two metal jumper rods are required to form an electrically bonded connection between all steel pipe joints that are not welded, except at insulating couplings called for on the plans. The jumper rods shall be either 3/8" diameter rods or 1/4" x 1/2" bars. They shall be at least 7" long with an offset of 1/4" in the middle 3-inches. No welding shall take place in the middle 3" section.
2. FACTORY TESTS AND INSPECTION. All materials shall be inspected and tested in a normal air-dry condition by the manufacturer prior to shipment for conformance to the stated requirements. The Water Division shall at all times have the right to inspect the work and materials in the course of manufacture and to make or witness such tests as required in these specifications, or as deemed advisable. In lieu of the preceding, the manufacturer shall upon request submit a certificate stating that the materials meet the requirements of this specification. All testing shall be done in recognized testing laboratories within the State of California, approved by the Public Works Director.
3. WELDED JOINTS. One of each section shall be swaged out to form a female or bell end which permit the male or spigot end to enter approximately one-inch with a clearance of approximately 1/32-inch. The spigot end shall be "sized" to permit it to enter the bell end of the adjacent section and the weld bead shall be ground flush for the distance it is to enter the bell end.



GENERAL REQUIREMENTS - WATER

DRAWN: SOHER

CKD.

Jay Holt

APPR. BY

Public Works Department

Benjamin J. Wong

STANDARD PLAN

PLATE 20

SHEET 1 OF 1

4. BUTT STRAP CLOSURES. The butt straps shall be the same thickness as the pipe wall but not less than 10 gage, at least 10" wide and rolled to fit the the outside cylinder diameter and shall be centered over the ends of the pipe sections they are to join. A standard 5" pipe half coupling shall be shop welded to the top section of the butt strap to permit access for mortar lining the inside of the joint. The coupling shall be sealed with a standard 5" plug field welded to the coupling.

30.8 Gate Valves (4" - 12"):

1. General - Gate valves, including tapping valves 4" or larger shall conform to AWWA Standard Specification C-509-80 or latest revision for resilient seat gate valves for ordinary water works service. Mueller RS or approved equal. Gate valves shall be used on all main line installation and shall be FLxMJ unless otherwise specified.
2. Resilient wedge - Cast iron wedge or disc shall have sealing surface of wedge permanently bonded or with self-locking stainless steel screws with resilient materials. Disc shall have an integrally cast ASTM B-62 bronze stem nut to prevent twisting or angling of the stem or loose stem nut on wedge or disc with non-coated disc guides. The disc coating shall be open on one side or open bottom disc so as to form no cavities or receptacles for accumulation of solids and possible stem binding.
3. Direction of operation - All valves shall open by turning the wrench to the left (counter clockwise).
4. Stuffing Box - Stuffing boxes shall be O-ring seal type.
5. Stem - Non-rising stems shall have Acme thread only. Stem thrust collars are made an integral part of stem.
6. Unobstructed waterway - Each valve shall have a smooth unobstructed waterway free from any sediment pockets.
7. Painting and coating - Exterior shall be asphalt varnish per Federal Specification TT-V-51-E or fusion bonded Epoxy. Interior ferrous surfaces shall be coated with epoxy type coating equal to Kordell 600.



CITY OF

San Bernardino

GENERAL REQUIREMENTS - WATER

DRAWN: SOHER

CKD.

Jay Patel

APPR. BY

Benjamin J. Wong

Public Works Department

STANDARD PLAN

PLATE 21

SHEET 1 OF 1

REV.	APPR. BY	DATE

REV.	APPR. BY	DATE
	Robert Hearne	4/11/18

8. Valve stem extension – A valve stem extension shall be provided for each valve having an operating nut more than 40" below finished grade. Extension stem either of standard manufacture or shop fabricated shall bring the operating nut within 12" of the surface.

The extension stem shall be made of solid round steel bar of a diameter equal to the valve stem diameter with a minimum of 1" diameter or extra heavy steel pipe of diameter equal to one and one-fourth (1-1/4) times the valve stem diameter with a minimum of one and one-fourth (1-1/4) inch diameter.

Solid steel plate having a diameter approximately one-half (1/2) inch less than the valve cover inside diameter which will allow smooth stem operation.
Standard Plate 303.

- 30.9 Butterfly valve installation is permitted only when specifically called for in the plans and approved by the Water Manager.

- 30.10 Valve Boxes:

Valve boxes shall be Jensen Precast HTV10-3

- 31.10 Fire Hydrants:

Fire Hydrants shall conform to AWWA C-503-75 Sec. 2.6 unless otherwise specified. Hydrant bodies will be all ductile iron  construction. Fluted design.

1. Bury shall have a minimum inlet size of 6" with mechanical joint. Hydrant mounting flange shall be six-hole pattern on 9.44 centers.
2. Hydrant bodies shall have mounting flange with six-hole pattern on 9.44 centers. Required nozzles shall be individually controlled with rubber disc, compression type valve and shall be fitted with threaded protecting caps. Nozzle threads shall conform to ANSI (ASA) B 26 National Standard fire hose coupling screw threads.



GENERAL REQUIREMENTS – WATER

DRAWN: C. GIRON CKD.: A. WITHANAGE

Department of Public Works

APPR.


ROBERT HEARNE, PE

STANDARD PLAN
2002

PLATE 22

SHEET 1 OF 1

3. Spools – Break-Away. A spool shall be installed between bury and hydrant body. Spool to be cement mortar and Thermo Epoxy lined, refer 30.02. Six-bolt pattern to be same as hydrant body. Break-away bolts to be installed per Plate 300.
4. Coating. Interior ferrous surfaces of the bury and spool shall be cement mortar and Thermo Epoxy lined, refer 33.1. Exterior painting – all fire hydrants shall be surface prepared to receive paint by scraping and wire brushing, and shall be painted with one coat of surface primer and two coats of finish paint. Refer to section 33.1-4.
- △ 5. Fire hydrants shall have a 6" barrel unless otherwise noted. The sizing and type of City of Oxnard approved hydrants are as follows:

Type Residential R-1	4" x 2-1/2"
	Jones Triton J-4040 or equal
Type II R-2 or greater	4" x 4" x 2-1/2"
Industrial and Manufacturing	Jones Triton J-4060 or equal

Written approval before installation of other types, makes, and models will depend on but not limited to availability and interchangeability of repair parts as determined by the Water Division.

6. Minimum Hydrant and Water Flow Requirements

- A. General – A sufficient number of hydrants shall be installed to concentrate the required fire flow within 400' of any structure.

Hydrants shall be placed at least 50' from the structure protected. Where this is not possible, they shall be placed where the possibility of injury from building collapse is limited.

* The flows indicated below are minimum. Additional fire flow may be required based on the types of building construction, distance to exposures, number of stories, type of hazard presented by the proposed use and the ground floor area of the building.



GENERAL REQUIREMENTS – WATER

STANDARD PLAN
2002

DRAWN: C. GIRON CKD.: A. WITHANAGE

Department of Public Works

APPR.

ROBERT HEARNE, PE

PLATE 23

SHEET 1 OF 1

B. Residential

- * Fire flow 2500 GPM @ 20 PSI
Hydrant spacing
500' for single-family residential with no structure more than 300' from a hydrant.
300' multiple-family residential with no structure more than 200' from a hydrant.

C. Industrial and Commercial Areas

- * Fire flow 4500 GPM @ 20 PSI
Hydrant spacing
300' and so located that no structure is more than 150' from multiple hydrants. (On-site included.)

D. On-site Hydrants

Location - as designated by the Fire Department.
Refer: EASEMENT 2.11 A.

No portion of a structure shall be more than 150' from a hydrant.

Fire flow - multiple occupancy residential - 1250 GPM @ 20 PSI minimum individual hydrant flow.

Industrial - 1500 GPM @ 20 PSI minimum individual hydrant flow.

Heavy industrial - 1750 GPM @ 20 PSI minimum individual hydrant flow.

Fire Sprinkler System

Fire Department to determine location of Fire Department connection.

31.1 COUPLINGS AND FITTINGS:

1. Valves shall be Mueller Resilient Gate Valve FL X MJ or approved equal.
2. Couplings shall be FLEXIBLE or FULL CIRCLE. PVC coupling shall meet the requirements of AWWA C-900 and will require prior approval for use.



GENERAL REQUIREMENTS - WATER

DRAWN: SOHER

CKD.

Jay Patel

APPR. BY

Benjamin J. Wong

STANDARD PLAN

PLATE 24

SHEET 1 OF 1

3. Cast Iron/Ductile Iron Fittings shall meet AWWA C-110-79 Joint Style Mechanical Joint - Short short body style not approved.
4. All external ferrous surfaces and bolts shall be Bitumimous coated and PE wrapped. All internal ferrous surfaces shall be cement mortar lined and Thermo Epoxy Coated with Kordell 600 or approved equal, refer 30.0-2.
5. Flange bolts shall be stainless steel.
6. Main line and aperture specifications are listed throughout Water System Detail Specs, as applicable.

32.0 SERVICE MATERIAL

32.1 Copper Water Service Tubing

Materials - all 3/4" and 1" copper tubing shall be seamless copper water tubing Type K, soft temper or approved equal.

All 1-1/2" or 2" copper tubing shall be seamless copper water tubing Type K, soft temper or approved equal and shall be delivered in approximately 20 feet straight lengths. No coiled copper shall be used in sizes 1-1/2" or larger. All sweat joints are to be silver soldered, 15% silver. (85-15)

32.2 Polyethylene Water Service Pipe

1. General - All polyethylene pipe shall conform to all applicable requirements in the latest revisions of the following standards unless otherwise specified:

ASTM D-148 standard specifications for polyethylene molding and extrusion materials.

ASTM D-2239 standard specification for polyethylene (PE) plastic pipe (SDR-PR).

2. Material - Polyethylene extrusion compound from which the polyethylene is extruded shall comply with the applicable requirements for PE-3408.



GENERAL REQUIREMENTS - WATER

DRAWN: SOHER.

CKD. *Jay Patel*

APPR. BY

Benjamin Y. Wong
Public Works Department

STANDARD PLAN

PLATE 25

SHEET 1 OF 1

3. Rating Dimensions and Tolerance - The PE pipe shall be rated for use with water 200 PSI at 73 degrees F.

The dimensions and tolerances shall comply with iron pipe size (SDR-7) - ASTM for 3/4" and 1" service lines. For 1-1/2" and 2" service lines, the dimensions and tolerances shall comply with copper tubing, size SDR-9 ASTM D2737.

4. Minimum Burst Pressure - The minimum burst pressure at 73 degrees F as determined in accordance with ASTM D-1599 shall be 630 PSI.
5. Marking - PE pipe or tubing shall be permanently indent branded indicating size, manufacturer's name, pressure rating, NSF logo, material designation code, applicable ASTM Specification, date code and any other appropriate code designation.
6. Protection - PE pipe or tubing shall be protected for outdoor storage with suitable wrapping material.
7. Workmanship - The PE pipe or tubing shall be homogeneous throughout and free of visible cracks, holes, foreign inclusions or other defects. It shall be uniform in color, capacity, density and other physical properties.

- 32.3 Angle Meter Stops - All 3/4" and 1" angle meter stops should be Ford pack joint with insert and wing lock, part number KV-63 or approved equal.

All 1-1/2" and 2" angle meter stops shall be Ford pack joint wing lock with meter flange part number KV-43 with insert for PE services. 1-1/2" and 2" angle meter stops shall be Ford FIP X meter flange wing lock part number FV13 or approved equal for copper service. Bolts and nuts shall be red brass.

- 32.4 Corporation Stop - All corporation stops shall be Ford valve number FB1001 for PE and FB 800 for copper service or approved equal.



CITY OF

Oxnard

GENERAL REQUIREMENTS - WATER

DRAWN: SOHER

CKD.

Jay Patel

APPR. BY

Benjamin Y. Wong

Public Works Department

STANDARD PLAN

PLATE 26

SHEET 1 OF 1

32.5 Branch Connection (Manifold) - All two branch connections shall be Ford UV-63-42-W. Two branch or manifolds are not allowed automatically for use. Locations and use are to be performed by Water Division upon approval.

32.6 Service Saddles - As listed or approved equal. C-900 PVC shall be single unit iron pipe tap. Ford Cat. No. S71 IP TAP.

AC Pipe. Flat double strap bronze. Ford Cat. No. 202B IP TAP.

Cast Iron/Ductile Iron. Flat double strap ductile or malleable iron. Ford Cat. No. 202B IP TAP.

All service connections 4" or larger connection shall consist of a tee or tapping tee with a flanged outlet and a flange RS gate valve, as specified on plans.

33.0 Miscellaneous Materials:

1. Curb Stops for Blowoffs, etc. - All curb stops for blowoffs, air valves, etc., shall be bronze, as specified in Section 1.01, flatway with tee head. Both inlet and outlet shall be female IPT.
2. Bolts and Nuts - Bolts and nuts for all below ground flanged connections shall be stainless steel, grade 304 - except when attaching hydrants to buries in which case they shall be Cadmium Plated breakaway type.
3. Gaskets - Gaskets for all flanges shall be full face, cloth inserted rubber, with a minimum thickness of one-eighth-inch.

Special Purpose Valves:

4. Air Release Valves - Air release valves shall be APCO #65 or #200A, or approved equal. Valve shall be designed to exhaust air which accumulates in the line while operating under pressure. See Plate W-8 for installation.
5. Size of Valves - Size of valves shall be shown on Water Plan. Tap and service pipe will be same size as valve.



CITY OF

San Bernardino

GENERAL REQUIREMENTS - WATER

DRAWN: SOHER

CKD.

Jay Patel

APPR. BY

Benjamin J. Wong

STANDARD PLAN

PLATE 27

SHEET 1 OF 1

Public Works Department

REV. APPR. BY DATE

33.1 Protective Coating

1. Cast iron/ductile iron fittings.
 - a. Interior shall be cement lined per AWWA C-104-74 and thermo epoxy coated to and including full flange force and/or push-on joints.
 - b. Exterior ferrous surfaces and M.J. retaining bolts shall be bituminous coating per AWWA C-106-75 and polyethylene wrapped.
2. Copper tubing and below grade fitting shall be polyethylene encased per Uniform PLumbing Code.
3. Valves, gate and butterfly.
 - a. Interior ferrous surfaces shall be coated with thermo epoxy equal to Kordell 600.
 - b. Exterior shall be asphalt varnish per Federal Specification TT-V-51-E or fusion bonded epoxy.
4. Fire hydrants.
 - a. Exterior painting. One coat of primer, Dunn-Edwards 42-44 and two coats of Dunn-Edwards Hi-Visibility Yellow, Syn-Lustro #10-14.
 - b. Bury and spool. Refer to Section 33.1-1. Delete polyethylene wrap at bury flange.
5. Air-Vac valve cans.
 - a. Exterior galvanized surfaces shall be etched with one coat of GE 123 and one coat of Dunn-Edwards 43-7 Galv-Alum primer and two coats of Water Valve Blue, Dunn-Edwards Syn-Lustro #10-50. Formula 1 gal. 10-50; B2Y24 E-Y24.
 - b. Services with backflow assemblies. Exterior surface shall be painted with one coat of Dunn-Edwards 43-4 Bloc-Rust primer and two coats of Dunn-Edwards Machinery Green #10-6 Syn-Lustro.



GENERAL REQUIREMENTS - WATER

DRAWN: SOHER

CKD.

Jay Patel

APPR. BY

Public Works Department

Benjamin J. Wong

STANDARD PLAN

PLATE 28

SHEET 1 OF 1

A. General

1. A Plot Plan or Water Plan with proposed service locations will be submitted to the Water Division for approval of service locations.
2. All services will be installed at location as shown on approved plans. Location will be in public-right-of-way within 18 inches of side property line.
3. Earthwork - The contractor is referred to Plate 4D or 5D of Public Works Standards. Earthwork of the detailed technical specifications of these specifications.
4. Water service connections shall be installed in conformance with standard drawing number 304 and 305 and other applicable standard drawings.
5. All copper services will be Polyethylene encased.
6. All pipes, valves and fittings shall have a minimum working pressure rating of 160 PSI. Pipe ends, where joining special fittings, shall be sweat fittings for adaption to copper tube.
7. Irrigation services will be copper.
8. Service size will be same from water main through meter, tailpiece and backflow device (if device required).
9. Copper service pipes and fittings of two-inches or less in diameter shall be Type K Soft or Type K Hard. All joints will be silver solder 85-15 and polyethylene encased.
10. Polyethylene pipe 3/4" and 1" PE OD will be iron pipe size. 1-1/2" and 2" PE OD will be copper tube size. Fitting will be pack joint style with seamless steel insert.
11. Services or laterals larger than two-inches shall be C900 PVC CL 200 (DR-14). Three-inch meters will be connected to four-inch service per standard plate.



CITY OF

Oxnard

GENERAL REQUIREMENTS - WATER

DRAWN: SOHER.

CKD

Jay Patel

APPR. BY

Benjamin J. Wong

STANDARD PLAN

PLATE 29

SHEET 1 OF 1

36.1 Pipe Depth to Bottom of Trench from Finished Grade

<u>Size of Pipe</u>	<u>Depth of All Pipe</u>
6"	49"
8"	50"
10"	51"
12"	52"

36.2 Handling and Laying Pipe:

1. General - All foreign matter or dirt shall be removed from the inside of the pipe before it is lowered into its position in the trench, and it shall be kept clean by approved means during and after laying. All openings in the pipeline shall be closed with watertight expandable type sewer plugs or PVC C-900 test plugs at the end of each day's operation or whenever the pipe openings are left unattended. The use of burlap, wood or other similar temporary plugs will not be permitted.

At times when pipe laying is not in progress, the open ends of pipe shall be closed by approved means, and no trench water shall be permitted to enter the pipe.

Whenever water is excluded from the interior of the pipe, adequate backfill shall be deposited on the pipe to prevent floating. Any pipe which has floated shall be removed from the trench and be re-laid as directed by engineer.

Neither PVC or ductile iron pipe shall be deflected vertically or horizontally in excess of the recommendation by the manufacturer of the coupling.

2. Sewer Crossings - (See Department of Health Requirements, Section Three.)
3. Casings - Casings shall be installed where dedicated on the plans by jacking or boring. Casings shall be of smooth steel, coat tar enamel coated with diameter and cylinder thickness as shown on the plans. Installations of the water main within the casing shall comply with the applicable pipe manufacturer's recommendations. Wooden skids used to convey the pipe through the casing shall be sized to maintain a uniform space between the pipe and casing, which shall be filled with a material

36.1-19



GENERAL REQUIREMENTS - WATER

DRAWN: SOHER

CKD

Jay Patel

APPR. BY

Benjamin Y. Wong

STANDARD PLAN

PLATE 30

SHEET 1 OF 1

Public Works Department

designated by the Engineer. If deemed necessary to fill voids outside the casing well, holes shall be provided at four feet intervals, staggered longitudinally for injection of cement mortar grout. The ends of the casings shall be sealed with Portland cement concrete or approved flexible material. If a rigid connection is made between the casing and PVC pipe, a flexible joint shall be made at a point not more than two feet from each end of the casing.

Pipe installed in casing and offset shall be ductile iron. Joints shall be U.S. pipe TR Flex restrain joint or approved equal.

4. Relocation or offsetting of water main, fire hydrant laterals and large services.
 - a. Offset section shall be welded steel cement mortar lined, mortar coated. Refer to Section 30.4.
 - b. Offset section will include blow-off valve and air-vac breaker.
 - c. Thrust blocks are required at each elbow.

36.3 Installing Valves and Boxes:

1. Gate Valves - All resilient gate valves shall be anchored in concrete in the manner shown on standard Plate 302. Care shall be taken to prevent concrete from running over the valve bells against the pipe or into the bells, and to keep the bonnet bolts accessible. Any concrete on the operating nut, stem packing glands or bonnets shall be removed.
2. Butterfly Valves - All butterfly valves shall be anchored in concrete in the manner shown on standard Plate 302. Care shall be taken to prevent the concrete from running over the valve bells against the pipe or into the bells, and to keep the valve operator bolts accessible. Any concrete on operating nut, stem spading glands or bonnets shall be removed.

36.2-20

 CITY OF San Bernardino	GENERAL REQUIREMENTS - WATER		STANDARD PLAN
	DRAWN: SOHERI <i>Public Works Department</i>	CKD: <i>Jay Padel</i> APPR. BY: <i>Benjamin Y. Wong</i>	PLATE 31 SHEET 1 OF 1

3. Valves Boxes - Valve boxes shall be installed by the contractor at each valve location, with or connected to the work. The boxes shall be so placed that they will just cover the packing glands of the valves, and so that settlement of one and one-half inches will not bring the bottom of the boxes into contact with the valves. Boxes shall be set plumb and centered over operating nut of valve. See standard Plate 303.

36.4 Installing Fire Hydrants:

1. Standard Fire Hydrant - The location of hydrants shall be approximately as shown on the plans. Where hydrants are to be placed at corners, they shall be located five feet before the beginning of the curb curve. At locations other than corners, they shall be placed as close to property lines between lots as field conditions permit, except that they shall not be within five feet of the driveway. Fire hydrant lateral shall be perpendicular to main.

The complete hydrant installation will include a main line MJ tee with a six-inch flanged outlet, and a six-inch flange by MJ valve. A six inch MJ bury and 6x6 breakaway spool. In parkways, the bury and spool shall be set so that its flanged outlet is approximately three-inches above the top of the curb. Where no parkway exists, the centerline of the bury shall be approximately 18-inches behind the face of the curb. The hydrant body shall be set on the bury so that the outlets are aligned to the curb as shown on standard Plate 300. Acceptable breakaway bolts shall be used with nuts on the underside of the flange. Upon completion of the installation, the hydrant shall be cleaned of all concrete, dirt, and debris, and all exposed iron or steel parts, including bolts, painted in accordance to Section 33.1 of these specifications.



GENERAL REQUIREMENTS - WATER

STANDARD PLAN

DRAWN: SOHER.

CKD.

Jay Patel

APPR. BY

Benjamin Y. Wong

PLATE 32

SHEET 1 OF 1

Public Works Department

36.5 Thrust Devices:

All fittings, hydrants, reducers, caps and line valves subject to thrust action from line or test pressure shall be chocked against thrust by "poured in place" concrete blocks of sufficient size as determined by the engineer. Thrust blocks shall consist of concrete developing a compressive set strength of 2,000 psi in 28 days, poured against undisturbed earth, in such a manner that all joints are exposed. Socket clamps shall be protected with a coating of mortar or bituminous material.

36.6 Air and Vacuum Valves:

Air release and vacuum valves shall be installed where indicated on the plans and where directed by the engineer. Installation shall consist of a corporation stop, service saddle, copper tubing, curb stop, air-vac valve with return bend, and housing. Valve assembly shall be installed above ground and in accordance with standard Plate 308.

36.7 Services:

1. All services unless otherwise indicated on the plans or specified in the special conditions, of new water services from three-quarters inch to two inches in size shall be as shown on standard Plate 304 and 305 or applicable plates and shall include excavation and back-fill furnishing, installing, testing, and disinfecting of service tubing, tube fittings, corporation stops, and curb or angle stops with an appropriate fitting for meter connection. Services 4" and larger shall include a tee, valve, thrust block, cast iron pipe, and cap or plug. All service runs shall be perpendicular to the main for their entire length.

2. Services - General:

- a. Meter type shall be approved by Water Division.
- b. All polyethylene services shall be perpendicular to the main, with 12 gauge locating wire installed.
- c. Services shall not be installed on private property without public utilities easement.



GENERAL REQUIREMENTS - WATER

DRAWN: SOHER CKD. *Jay Patel*
Public Works Department

APPR. BY
Benjamin J. Wong

STANDARD PLAN

PLATE 33

SHEET 1 OF 1

- d. Contractor shall install double meter stop, meter box and copper tailpiece to property line.
- e. Meter boxes subject to traffic shall have cast iron or steel lids.
- f. Close keyways in meter box with steel shingle.
- g. Jumper will be provided by City. To be picked up at Meter Shop by contractor. Service tapping card must be on file for each service.
- h. Construction water bibs must be connected at the coupling on customer side of service.
- i. If straight copper tubing is installed, then sweat 90 degree elbow with silver solder 85-15.
- j. 1-1/2" and 2" services will have flanged angle meter stops. Ford FV-13 or FV-43, as applicable.
- k. Service pipe and tailpiece will be same size as meter.
- l. Service clamp and corporation stops - asbestos-cement pipe and PVC pipe. Service saddle will be used for all service connections. Corp Stop Type F 101, 1P inlet threads outlet connection 1P pack joint with stainless steel insert. For 1-1/2" and 2" corporation stop. Ford Type F100 for copper service.



GENERAL REQUIREMENTS - WATER

DRAWN: SOHER

CKD.

Jay Patel

APPR. BY

Benjamin Y. Wong

STANDARD PLAN

PLATE 34

SHEET 1 OF 1

Public Works Department

REV. APPR. BY DATE

- m. Ductile iron pipe - 3/4" and 1" corporation stops shall be installed directly into mains of all sizes except four-inch. 1-1/2" and 2" services shall be installed with service saddles on all size mains. Corporation stops shall not be located within 12" (measured longitudinally along pipe) of each other.

Service pipes - All copper service pipes and fittings of 2" or less in diameter shall be copper Type K soft or copper Type K hard with silver solder sweat joint.

Polyethylene pipe fittings of pack joint style with stainless steel inserts. 3/4" and 1" PE to be iron pipe size, 1-1/2" and 2" PE to be copper tube size. Services or laterals larger than 2" shall be PVC AWWA C900 CL200. Three-inch meters will be connected to four inch service laterals. (All services shall be tested prior to back-filling. A minimum separation of 5' shall be maintained between water services and sewer laterals to 207A.)

36.8

New Services:

1. Location: All services 3/4" to 4" or larger shall be located at side property line. Services include domestic, irrigation and fire sprinkler or any other type of water service from City water system to private property.
2. Service types:
 - a. Single domestic. Refer to standard Plate 304/305.
 - b. Single irrigation. Refer to Plate 304.
 - c. Two (2) service manifold. Refer to standard Plate 321.
 - d. Industrial manifold. Refer to standard Plate 322.
 - e. Four (4) service manifold. Refer to standard Plate 319.
 - f. Cross-Connection (backflow) services. Refer Section 39.0.



GENERAL REQUIREMENTS - WATER

STANDARD PLAN

DRAWN: SOHER

CKD. *Jay Patel*

APPR. BY

Public Works Department

Benjamin J. Worley

PLATE 35

SHEET 1 OF 1

3. Irrigation service:

All irrigation services shall be copper/polyethylene encased. Per Plate 304.

4. Two (2) service manifold:

Two (2) service manifold shall be copper. The installation of manifold service requires approval. Water demand calculation shall be included on water plan as submitted by registered engineer.

5. Industrial manifold:

- a. Industrial manifold will be installed at property line between two properties.
- b. Fire sprinkler connection requires double check detector check valve assembly and Fire Department connection.
- c. Domestic and irrigation take-off shall be 2" copper 5 feet long to serve each property. If meter size and water demand cannot be served with 2" pipe, a 4" service lateral 5 feet long shall be installed.
- d. A reduced pressure principal backflow assembly shall be installed on irrigation and domestic services.
- e. Street service lateral size shall be determined by estimated total demand. Material shall be C900 CL200 PVC.
- f. Exact location of backflow assemblies shall be determined by Water Division.

REV. APPR. BY DATE



CITY OF

Oxnard

GENERAL REQUIREMENTS - WATER

DRAWN: SOHER

CKD.

Jay Patel

APPR. BY

Benjamin Y. Wong

Public Works Department

STANDARD PLAN

PLATE 36

SHEET 1 OF 1

36.9

Existing Water Services:

1. Transferring Services - If an existing service meets the requirements of these specifications and is deemed acceptable by the Water Manager, it need not be renewed or replaced. It may be disconnected from the existing main and reconnected to the main, all additional material and labor required being furnished by the contractor, unless otherwise specifically provided in the special condition.
2. Replacing Services - Galvanized black iron or PVC services not meeting the requirements of these specifications or services acceptable to the Water Manager shall be replaced by new material conforming to the requirements of these specifications. Where an existing service is on flat rate and does not include a meter, the replacement shall consist of connection to the main (with service clamp, if required), service line, meter stop, an idler of approved size and construction, meter box and connection to the customer's service at property line. Unless specifically provided in the special conditions, the contractor shall furnish all necessary labor and materials for the replacement with the approval of the Water Manager.

36.10

Sterilization

After the pipe, services, hydrants and appurtenances have been completely installed, the contractor shall sterilize the installation with a solution of 20 to 50 ppm chlorine to the satisfaction of the County Health Department. He shall furnish all materials required and shall provide any necessary tape for introduction of the chlorine into the line and for flushing out after chlorination. The contractor may use chlorine tablets in place of liquid or gas chlorine. Application of liquid or gas chlorine shall be done through calibrated device which indicates rate of injection and mixing with the water.



GENERAL REQUIREMENTS - WATER

DRAWN: SOHER

CKD

Jay Patel

APPR. BY

Benjamin J. Wong

STANDARD PLAN

PLATE 37

SHEET 1 OF 1

Public Works Department

When tablets are used, they shall be affixed to the pipe on the day the pipe is installed in the ground. The contractor shall furnish the City Inspector with an approved chlorine testing device. The minimum number of chlorine tablets to be used per each 13' of pipe will be two for 6" or less diameter pipe, three for 8" pipe, four for 10" pipe, and four for 12" pipe. The chlorine tablets will be attached with #1 Permatex or approved equal to the crown of each section of pipe in order to distribute the chlorine solution evenly. Chlorine and testing of the new installation shall be done prior to making a final connection. This should be done according to State Health Standards.

37.0 Testing and Installation:

When the pipe has been satisfactorily sterilized, flushed, and bled of air, the entire installation, including water main, services, and fire hydrants, shall be subjected to 200 psi pressure for a minimum period of 15 minutes and two hours at 150 pounds, visible leaks in joints repaired. All asbestos-cement pipe shall be filled with water for at least 24 hours prior to testing, and pipe with cement joints shall not be tested until the final joints have cured for 36 hours. The maximum allowable leakage per one inch inside diameter for each 100' of pipe over a 2 hour test at 150 psi shall be as follows:

- | | |
|---------------------------|--------------------|
| a. Welded Steel Pipe | .0118 gal. |
| b. Concrete Cylinder Pipe | .0118 gal. |
| c. Polyvinyl Chloride | refer to Mfg. test |
| d. Ductile Iron Pipe | |
| 1) Caulked Joints | .0424 gal. |
| 2) Rubber Ring Joints | .0212 gal. |

All joints which show leakage in excess of the above mentioned table shall be remade or recaulked according to the direction of the engineer. The amount of actual leakage shall be metered with an acceptable calibrated tank. New valves which prove to be leaking will be replaced by the contractor. The installation shall be tested in sections. Each section being defined as the length of pipe between valves.



CITY OF

San Bernardino

GENERAL REQUIREMENTS - WATER

DRAWN: SOHER

CKD

Jay Patel

APPR. BY

Benjamin Y. Wong

Public Works Department

STANDARD PLAN

PLATE 38

SHEET 1 OF 1

38.0

Easements:

1. Where a fire line or a water main crosses private property, a licensed surveyor or registered civil engineer shall stake such line and submit 8-1/2" x 11" copies of the alignment staking notes and grade sheets to the Water Manager for approval prior to the start of any construction. Each sheet is to bear the seal and signature of responsible person. Alignment staking notes shall show and reference all existing monuments used in the survey and all distances set off or measured and all angles set off or measured. The information shown shall be done in a legible professional manner and shall be sufficient for retracement of the survey without any further research. Grades shall be staked a minimum of every 25' with the offset and the cut indicated for each station.

An inclusive water easement will be required for such lines unless it is determined by the City that it is beneficial to both parties involved to allow the water line to be private (see Section 2.118). The easement will be a minimum of 15' wide, with the water line located 5' from one side to allow a 10' work area. The easement will be recorded in the tract or parcel map and will be indicated on the water plans prior to approval by the City. If no map is recorded, the easement shall be recorded on a Grant Deed and registered. All lines from the main up to and including the meter box will be within the easement.

Private property with exclusive easement shall be classified as special application allowed only for supplying on site fire hydrants. Fire line on private property with an exclusive water easement will not be classified as a point of service connection.

2. If the City allows a water line to be private, the line will have a backflow prevention device located so as to prevent possible contamination of the public water from the private line. The location and type of backflow device will be subject to the City's approval prior to installation. Refer standard Plate 311.



CITY OF

San Bernardino

GENERAL REQUIREMENTS - WATER

DRAWN: SOHER

CKD

Jay Patel

APPR. BY

Benjamin Y. Wong

STANDARD PLAN

PLATE 39

SHEET 1 OF 4

39.0 Cross-Connection Backflow

The water supplier shall protect the public water supply from contamination by implementation of a Cross-Connection Control program.

The purpose of this section is to protect the public water supply against actual or potential cross-connections by isolating within the premise. Contamination or pollution may occur because of some undiscovered or unauthorized cross-connection on the premises.

Minimum requirements for cross-connection/backflow protection are contained in Title 17 of California Administration Code, USC Foundation for Cross-Connection Control and Hydraulic Research. Manual of Cross-Connection latest edition and Chapter 33 Article 4 of City Code.

39.1 Approval of Backflow Preventers:

Backflow preventers shall be approved by a recognized testing organization. Refer to Title 17, Section 7601.

Backflow preventers required by this Chapter shall have passed laboratory and field evaluation tests performed by a recognized testing organization which has demonstrated their competency to perform such tests to the Department.

Location of Backflow Preventers:

1. Air-gap Separation. An air-gap separation shall be located as close as practical to the user's connection and all piping between the user's connection and the receiving tank shall be entirely visible unless otherwise approved in writing by the water supplier and the health agency.
2. Double Check Valve Assembly. A double check valve assembly shall be located as close as practical to the user's connection and shall be installed above grade, if possible, and in a manner where it is readily accessible for testing and maintenance.



CITY OF

San Bernardino

GENERAL REQUIREMENTS - WATER

DRAWN: SOHER

CKD

Jay Patel

APPR. BY

Benjamin Y. Wong

Public Works Department

STANDARD PLAN

PLATE 39

SHEET 2 OF 4

3. Reduced Pressure Principle Backflow Presentation Device. A reduced pressure principle backflow prevention device shall be located as close as practical to the user's connection and shall be installed a minimum of twelve inches (12") above grade and not more than thirty-six (36") above grade measured from the bottom of the device and with a minimum of twelve inches (12") side clearance.
4. Location, size, and type of backflow prevention shall be approved by water supplier. Protection shall be as close to the service connection as practical with a maximum of five feet from street right-of-way and within three feet of side property line. An exclusive easement from City right of way to a maximum of five feet beyond device and two and a half feet on each side of device.
5. All backflow preventers shall be visible from City right of way to allow visual inspection and access at all times. If at any time visual inspection or access is obstructed by fences or any other obstruction, water service will be discontinued per City Code, Chapter 33.

39.2 Basic Service Type Requiring Backflow Preventer:

1. Commercial and industrial manifold services.
2. Non-residential irrigation services.
3. Restaurant services.
4. Fire sprinkler system with Fire Department connection.

Service not listed above may require backflow devices and shall be determined on a case by case basis per Title 17 and Manual of Cross-Connection Control.



CITY OF

San Bernardino

GENERAL REQUIREMENTS - WATER

DRAWN: SOHER

CKD

Jay Patel

APPR. BY

Benjamin Y. Wong

STANDARD PLAN

PLATE 39

SHEET 3 OF 4

Public Works Department

39.3 Service piping:

Service pipe from City main to meter backflow preventer and to point shall be:

1. 3/4 inch to 2 inch shall be copper tubing Type K hard.
2. 4 inch and large shall be C900 PVC CL200 to first 90 degree ell per standard Plate 310.

39.4 Inspection and Testing:

1. All installations of backflow preventers shall be inspected by Cross-Connection Control personnel.
2. Water service to unapproved devices or installations will be discontinued until device or installation is approved.
3. Testing shall be per Title 17.

39.5 Non-Approved Backflow Preventers:

1. Pressure vacuum breaker (PVB) and atmospheric vacuum breakers (AVB) are not approved for use at user's connections.

39.6 Fire Sprinkler Systems:

1. All fire sprinkler systems are required to have a double check detector check valve assembly and a Fire Department connection.
2. Bypass meter type and manufacture shall be approved by Water Division. Refer approved water system materials.
3. Installation shall be at location shown on plans. Other details refer to standard Plate 311.



GENERAL REQUIREMENTS - WATER

DRAWN: SOHER

CKD

Jay Patel

APPR. BY

Public Works Department

Benjamin J. Wong

STANDARD PLAN

PLATE 39

SHEET 4 OF 4

40

GENERAL SEWER SYSTEM DESIGN GOALS AND ACCEPTABLE PROCEDURES

40-1

GENERAL REQUIREMENTS

The design and construction of sanitary sewers in the City of Oxnard shall be in accordance with good engineering practice. The work shall comply with these design goals except where specific modifications have been approved by the Public Works Director in writing. The Director shall decide all questions of interpretation of "Good Engineering Practice". All work on sewers and sewer service laterals outside of City right-of-way or sewer easements will be governed by the provisions of the Uniform Plumbing Code. Where City requirements and standards are more restrictive than U.P.C., the City requirements shall govern. Where purveyor's requirements are more restrictive than these standards, the purveyor's requirements shall govern.

40-2

SPECIFIC REQUIREMENTS

40-2.1

VELOCITY :

The velocity of flow (averaged over the wetted cross-section) for sanitary sewers flowing part-full or full should be between 2.0 f.p.s. and 10.0 f.p.s. The most commonly used formula is Manning's, which is :

$$V = \frac{1.486}{n} R^{2/3} S^{1/2} \quad \text{in f.p.s.}$$

Where n is roughness coefficient (see sect. 40-4)

R is hydraulic radius

S is energy gradient. For open channels, uniform flow condition it is equal to invert slope.

Discharge $Q = V A$ in c.f.s.

Where V = Velocity of flow in f.p.s.

A = Wetted cross-sectional area in sq.ft.

Also

$$Q \text{ g.p.m.} = (Q \text{ c.f.s.}) \times (448.83)$$

40-2.2

FLOW DEPTH

a) For pipe 10" or less in diameter :

Design pipe so that peak flow rate will be carried when pipe is flowing at one-half (1/2) depth. Discharge at one-half depth equals one-half discharge when full and velocity equals velocity when full.

b) For pipe 12" and larger in diameter :

Design pipe so that peak flow rate will be carried when pipe is flowing at two-third (2/3) depth. Discharge at 2/3 depth equals 3/4 discharge when full and velocity equals 1.16 times velocity when full.

In no case gravity sewer lines will be designed to flow full or pressurize the system.



CITY OF

Oxnard

GENERAL REQUIREMENTS - SEWER

DRAWN: SOHER

CKD. Jay Patel

APPR. BY

Benjamin J. Wong

STANDARD PLAN

PLATE 40

SHEET 506

Public Works Department

REV. APPR. BY DATE

40-3 MINIMUM STREET SEWER SIZE

- 40-3.1 Minimum street sewer size shall be 8", except that 6" pipe may be used where all of the following conditions are met :
- (a) The minimum invert slope shall be 0.008.
 - (b) The length shall not exceed 200' with no possibility of future extension.
 - (c) No more than 10 house laterals contribute to the 6" diameter reach.
 - (d) Minimum cover of line shall be 5.0feet.

40-4 MINIMUM INVERT SLOPE :

Slope of sewer invert shall equal or exceed those set forth in the following table. For case of checking maximum flow capacity at these minimum slope is given for V.C.P. (n= 0.013) and P.V.C. (n=0.011) in c.f.s. and g.p.m.

TABLE - 1

PIPE DIAMETER	MINIMUM SEWER INVERT SLOPE	MAXIMUM FLOW CAPACITY IN c.f.s. (g.p.m.)	
		V.C.P.	P.V.C.
6"	0.0060	0.218 (97.7)	0.257 (115.5)
8"	0.0040	0.383 (171.8)	0.452 (203.0)
10"	0.0028	0.581 (260.6)	0.686 (308.0)
12"	0.0020	1.250 (561.0)	1.477 (663.0)
14"	0.0020	1.885 (846.2)	2.228 (1000.0)
15"	0.0016	2.027(909.8)	2.396 (1075.2)
16"	0.0016	2.408 (1080.6)	2.845 (1277.0)
18"	0.0016	3.296 (1479.4)	3.895 (1748.4)
20"	0.0012	3.781 (1696.8)	4.468 (2005.3)
21"	0.0012	4.306 (1932.6)	5.089 (2284.0)
24"	0.0012	6.148 (2759.2)	7.265 (3260.9)
27"	0.0012	8.416 (3777.4)	9.946 (4464.1)
30"	0.0012	11.146(5002.7)	13.173 (5912.3)
33"	0.0012	14.372(6450.4)	16.985 (7623.2)
36"	0.0012	18.125 (8135.0)	21.420 (9614.0)



CITY OF

San Bernardino

GENERAL REQUIREMENTS - SEWER

DRAWN: SOHER

CHKD.

Jay Patel

APPR. BY

Benjamin J. Wong

STANDARD PLAN

PLATE 41

SHEET OF

Substandard slopes below the minimum slopes listed in table -I may be used in order to avoid pumping only upon specific approval of the City Engineer . Such approval should be solicited well in advance of completion of design.

41

DESIGN CRITERIA

41-1

AVERAGE SEWAGE FLOW RATES

The average flow rate shall be determined by the developer's Engineer based on good engineering practice . Sewage flows shall be determined from the potential land use of the tributary area. Average sewage flow rates were developed for various land use and anticipated population density and given in term of G.P.M./Acre The currently accepted values are given in Table on Plate 44 These flow rates should be used for new development and determining effects of future land use per general plan. Acreage in table is gross acreage including roads , yards, parking , etc. For estimating the sewage flows for specific land use the flow rate value given in Table on Plate 43.

41-2

PEAK SEWAGE FLOW RATES

The rates between peak flow to average flow shall be determined by using following information

41-2.1

For average flow up to 1 C.F.S.

$$(\text{Peak flow , c.f.s.}) = 2.0 \times (\text{Average flow , c.f.s.})^{0.822}$$

41-2.2

For average flow greater than 1 C.F.S.

$$\text{Peaking factor} = 2.0 \times (\text{Average flow, c.f.s.})^{0.1}$$

The graphical representation of above equations is given on plate 45 . This should be used in designing sewer system in the City of Oxnard.

REV. APPR. BY DATE



CITY OF

Oxnard

GENERAL REQUIREMENTS - SEWER

DRAWN:

CKD.

Jay Patel

APPR. BY

Benjamin J. Wong

Public Works Department

STANDARD PLAN

PLATE 42

SHEET OF

AVERAGE SEWAGE FLOW RATES

<u>TYPE OF DEVELOPMENT</u>			<u>GALLONS/PERSON/DAY</u>	
Airport .....	.....	.....	15	per employee
			4	per passenger
Factories....	No showers .....	.....	20	per employee
	With showers .....	.....	30	per employee
	Cafeteria - Add industrial waste and BOD load			
Offices .....	.....	.....	20	per employee
Stores (Not including food & laundry waste)	100			per 1000 Sq.Ft. space
			400	per toilet
(Per shift) .....	.....	.....	15	per employee
Laundries (Coin operated) .....	.....	.....	300	per machine
Per customer....	.....	.....	50	per wash
Service Station .....	.....	.....	1000	for first bay
	.....	.....	500	for each additional
	.....	.....	10	per car served
Swimming Pools .....	.....	.....	10	per employee
	.....	.....	4	per swimmer
With hot water.....	.....	.....	8	per swimmer
Theaters.....	.....	.....	5	per seat
Drive in .....	.....	.....	5	per space
Assembly & Dance Halls....	.....	.....	2	per seat or customer
Church - Small .....	.....	.....	4	per seat
Large & with kitchen .....	.....	.....	6	per seat
Bowling Alleys - Pool Parlors .....	.....	.....	75	per lane or table
Country Clubs .....	.....	.....	75	per member
Add .....	.....	.....	25	per non-member
Camps - Resort (Limited Plumbing)....	.....	.....	50	per person
(Luxury)...	.....	.....	120	per person
Youth & Recreation .....	.....	.....	50	per camper
Tent Campground (toilets only)	.....	.....	25	per camper
Central stations w/showers..	.....	.....	35	per camper
Vacation cottages..	.....	.....	200	per cottage
Picnic Parks (toilets only)...	.....	.....	10	per person
(w/bath house & flush toilets)	.....	.....	15	per person
Camper & Travel Trailers				
Without hook up..	.....	.....	50	per space
w/water and sewer hook up...	.....	.....	120	per space
Camps - Summer and Seasonal .....	.....	.....	50	per person
Construction .....	.....	.....	50	per person
Day Camps no meal served			20	per person

REV. APPR. BY DATE



GENERAL REQUIREMENTS - SEWER

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 Public Works Department

STANDARD PLAN
 PLATE 43
 SHEET 1 OF 500

AVERAGE SEWAGE FLOW RATES

<u>TYPE OF DEVELOPMENT</u>		<u>GALLONS/PERSON/DAY</u>	
Mobil Home Parks (Average)	.....	180	per space
(Delux)..	.....	225	per space
Overnight & Travel Trailer	.....	150	per space
Restaurants - Cafeterias..	.....	15	per employee
Add Kitchen Waste..	.....	7	per meal served
Add Garbage Grinder	.....	1	per meal served
Toilet & Kitchen Waste	.....	10	per customer
Day time Operation	.....	70	per seat space
24-hr. Operation...	.....	100	per seat space
Curb Service .....	.....	50	per car
With Tavern, add...	.....	2	per customer
Schools and Colleges			
Staff and Office...	.....	20	per person
Elementry students.	.....	15	per student
Intermediate and High	.....	20	per student
Day Schools w/cafeteria only....	.....	15	per student
w/showers	.....	20	per student
Boarding school....	.....	80	per student
College Dormitories	.....	85	per student
Hospitals	.....	100	per bed
.....	.....	150	per patient & Staff
Institutions (Resident)	.....	100	per person
Nursing homes	.....	100	per person
Rest homes	.....	100	per person
Convalescent	.....	85	per bed
Hotel/Motels - No private bath	.....	100	per room (2 persons)
with Private bath	.....	150	per room (2 persons)
Apartment Buildings:			
Bachelor or Single			
Dwelling units (Studio)	.....	100	per dwelling unit
1 bedroom dwelling unit	.....	150	per dwelling unit
2 bedroom dwelling unit		200	per dwelling unit
3 bedroom dwelling unit		250	per dwelling unit

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GENERAL REQUIREMENTS - SEWER

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STANDARD PLAN

PLATE 43

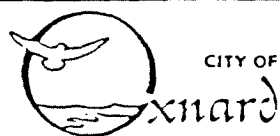
SHEET 2 OF 2

SEWAGE GENERATION FACTOR AND LAND USE

BASED ON CURRENT PLANNING DESIGNATION

SYMBOL	LAND USE DESCRIPTION	ASSUMED UNIT/ AC.	FLOW RATE		
			GPM / AC.	GPD / AC.	GPD/ UNIT
R1	SINGLE FAMILY RESIDENTIAL	4.0	0.853	1,228.32	307.1
R2	DUPLEX (MULTI FAMILY RESIDENTIAL)	11.2	1.751	2,521.44	225.2
R3	GARDEN APTS. (TRI & QUADPLEX)	20.0	3.143	4,525.92	226.3
R4	HIGH RISE RESIDENTIAL	38.3	6.000	8,640.00	225.6
RPD	RESIDENTIAL PLANNED DEVELOPMENT	11.2	1.751	2,521.44	225.2
MHP	MOBIL HOME PARK	4.0	----	612.00	153.0
		ASSUMED T.S.F./AC.			GPD/ T.S.F.
CO	COMMERCIAL OFFICE	10.0	2.083	3,000.00	300.0
C1	NEIGHBORHOOD COMMERCIAL	13.6	1.042	1,500.00	110.0
C2	GENERAL COMMERCIAL	19.8	1.042	1,500.00	76.0
C3	HEAVY COMMERCIAL	10.0	4.167	6,000.00	600.0
CB	CENTRAL BUSINESS DISTRICT	10.0	3.125	4,500.00	450.0
CPD	COMMERCIAL PLANNED DEVELOPMENT	11.0	2.083	3,000.00	300.0
TP	TRAILER PARK	13.0	1.391	2,003.00	153.0
M1	LIGHT MANUFACTURING	11.75	2.244	3,232.00	275.0
M2	HEAVY MANUFACTURING	19.38	2.065	2,974.00	153.5
M3	HEAVY MANUFACTURING AND GROUP HOUSING	19.38	2.065	2,974.00	153.5
MPD	MANUFACTURING PLANNED DEVELOPMENT	19.38	2.065	2,974.00	153.5
CR	COMMUNITY RESERVE	---	0.449	646.60	----
AO	AGRICULTURAL - OIL DRILLING	---	0.449	646.60	----

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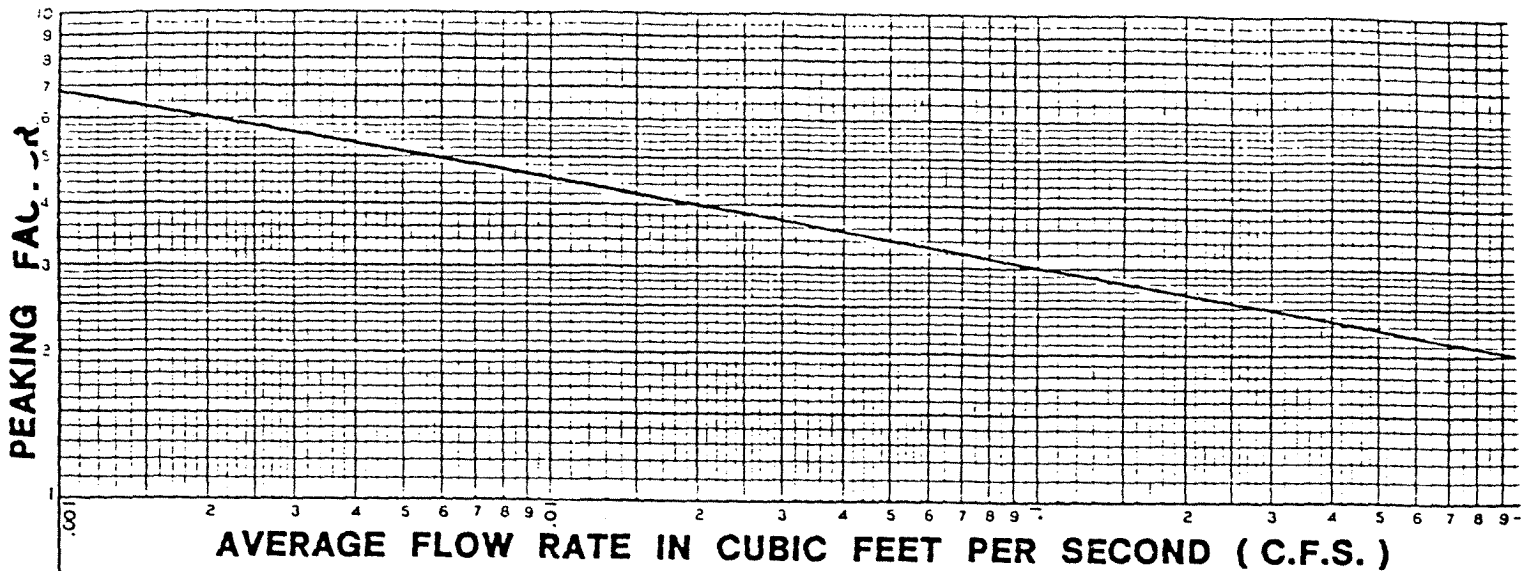
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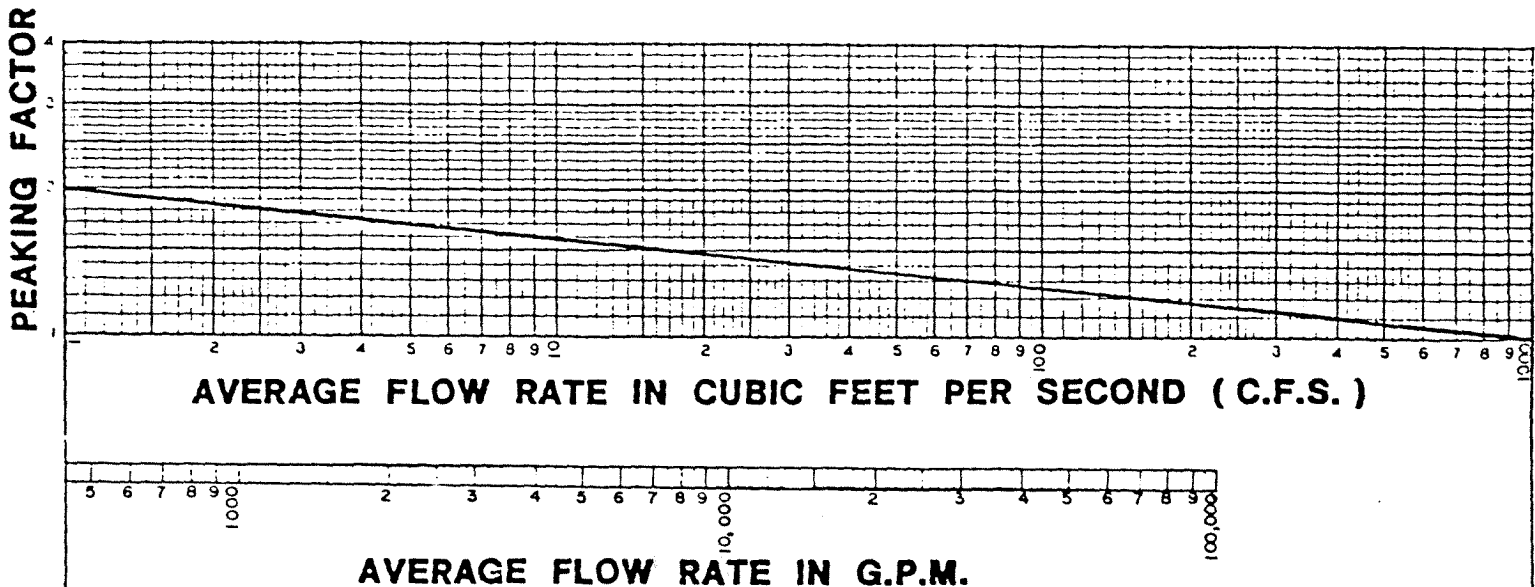
STANDARD PLAN

PLATE 44

SHEET 1 OF 1



A. FOR AVERAGE FLOW UP TO 1.0 C.F.S.



B. FOR AVERAGE FLOW GREATER THAN 1.0 C.F.S.

 CITY OF Oxnard	GENERAL REQUIREMENTS - SEWER		STANDARD PLAN
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Public Works Department			SHEET OF

GENERAL REQUIREMENTS

42-1

SEWER CONNECTION PERMIT

No person shall connect any sewer system on private property, within or outside the City limits, to the City's Sewer System without first procuring a permit from the City of Oxnard to make such connection. Any person desiring to obtain such a permit shall submit to the City- Public Works Development section the following:

- 1) Completed application
- 2) Accurate estimate of quantity and quality of sewage flow to be discharged in the existing system.
- 3) Variation in sewage discharges on daily basis and seasonal basis.
- 4) Sewer connection fees as determined based on above facts.

42-2

ENCROACHMENT PERMIT

Oxnard City Code, Section 26, requires all persons to obtain an encroachment permit for all works within Public right-of-way within the City. Upon request by the contractor, the Public Works Department will issue the permit without charge on City project contracts.

42-3

PLANS AND CONSTRUCTION

Plans are required for the construction of main line sewers and service laterals. They shall conform to the City of Oxnard, Department of Public Works requirements. All design calcs. and field information pertaining to tie-in point shall be submitted for review and approval. All construction shall conform to the plans unless a change is approved in writing by the Public Works Director and noted on revision block.

42-4

- △ All sewers shall be videotaped in VHS. Tapes to be delivered to the inspector at the time of taping.

CITY INSPECTION

All new construction shall be subject to inspection by the City - Public Works inspectors. Major projects are required to pay for such inspection as required by the Public Works department. Therefore, keep your field changes to a minimum by putting more efforts in the design phase and resolving utility conflicts at early stage.

42-5

OVERSIZING AND EXTRA DEPTH

Oversizing and extra depth of certain tract sewers may be required where such sewers can logically serve an upstream tributary area.

42-6

PROTECTION OF ACTIVE SEWERS

When new sewer lines are to be connected to an existing manhole which is in active use, the designer shall call for such protections as is necessary to prevent construction debris from being washed into the active sewers. Plugged inlets or other suitable protection shall be called for in the active manhole before beginning manhole modifications or tract sewer cleaning.

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 7/17/89
 [Signature]

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[Signature]

STANDARD PLAN

PLATE 46

SHEET OF

43

SEWER LOCATION

43-1

STREETS AND ROADWAYS

Street sewer main shall be 5 feet north or west of and parallel to the centerline of undivided street (see plate 120).
In divided roadways, it shall be 10 feet north or west of and parallel to the centerline of the roadways (see plate 121)*.
Exception to these location requirements may be made only on approval of the Public Works Director.

* Sewer mains in public alleys shall be north or west of and parallel to centerline of the alleys per Plate 122.

43-2

EASEMENTS

43-2.1

Sewer easements shall be not less than 12 feet wide for 5' deep sewer line. The easement width shall be increased by one foot increment for every additional one foot depth . (i.e. for 10' deep sewer main , the easement width shall be 17' minimum).

43-2.2

Where easements follow common lot lines, the full easement width shall be on one lot, in such a manner that access to manholes will not be obstructed by walls, trees , or permanent improvements. Where this requirement can not be met without interfering with existing buildings, easements may straddle lot lines.

43-2.3

Deeds for easements shall provide for restrictions of permanent construction within easement to provide ingress and egress for maintenance.

43-3

FUTURE EXTENSIONS :

When an area outside the tract can be logically served by future extension of a tract sewer, the tract sewer shall extend to the tract boundary or to the end of a paved street or alley in a manner to facilitate the future extension without removing permanent facilities.

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GENERAL REQUIREMENTS - SEWER

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STANDARD PLAN

PLATE 47

SHEET OF

44

ALIGNMENT

44-1 Sewer mains shall be laid on a straight alignment and grade between manholes.

44-2 Minimum horizontal radius of curvature is as follows:

P.V.C. or V.C.P.	6" thru 12"	200' Radius
P.V.C. or V.C.P.	15" thru 24"	300' Radius
P.V.C. or V.C.P.	27" thru 36"	400' Radius
P.V.C. or V.C.P.	39" thru 42"	600' Radius

Minimum grade of horizontally curved sewer shall be at least same as straight sewers and preferably higher. Reverse curves are not permitted between manholes. All curved lines to be inspected by T.V. camera before acceptance by the City at Contractors expense.

44-3 Vertical curves may be used in combination with horizontal curves where invert slopes exceed 1.0% throughout the reach between the manholes.

44-4 The arithmetic sum of all horizontal and vertical deflection in curved sewers between adjacent manholes shall not exceed 60°.

44-5 WATER-SEWER SEPARATION

State Department of Health Requirements shall be met for Water-Sewer separation. (See Section 49)

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STANDARD PLAN

PLATE 48

SHEET OF

Public Works Department

45**DEPTH OF SEWERS**

45-1

BASIC REQUIREMENT

Sewers shall be installed at a depth which will provide suitable service to the properties connected and will allow subsequent installation of water lines in accordance with the Water Sewer Separation Ordinance with a minimum of special construction of the water lines other than joint spacing.

45-2

STANDARD DEPTHS

Compliance with Subsection 45-1 will usually be assured if :
The main sewer is located at a depth of 7' to top of pipe below the flow line of the existing or proposed gutter , or where no gutter exists , from the elevation of the outermost edge of the traveled way , and the house laterals are located either ,
(1) 6' to top of pipe below the ground surface at the property line, or
(2) at a depth below the ground surface at the property line that will provide for the construction of a straight run of private sewers at a slope of 0.02 from one foot below the surface at any point within the established building setback lines, excluding any areas steeper than 5 horizontally to one vertically , whichever depth is greater.

45-3

EXCEPTIONS

Designs not in accordance with Subsection 45-2 shall be submitted to the Engineer for approval together with evidence that it complies with subsection 45-1.

46**STRUCTURES**

46-1

MANHOLES

46-1.1

LOCATIONS

- a. Manholes shall be located at all abrupt changes in alignment or grade and at all junctions.
- b. Manholes shall be located at least every 350 feet along lines smaller than 12" in diameter. Spacing of manholes on lines 15" in diameter and larger will usually be at 400 feet but may be extended subject to the approval of the Engineer.
- c. The center of upper most (last) manhole for sewers on "Thru" streets shall be a minimum of 8 feet upgrade from the sewer lateral of the last lot served (laterals to be perpendicular to sewer main). Manholes at the end of cul-de-sac streets shall end (depending on available space) 10' to 15' before the curb face at the end of the street.

**GENERAL REQUIREMENTS - SEWER**

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STANDARD PLAN

PLATE 49

SHEET OF 51

46-1.2

DROP MANHOLES

Drop manholes shall be used wherever sewers enter manholes at more than 32 inches above the outlet elevation of the manhole. Vertical curves may be used to eliminate drop manholes in accordance with the requirements of section 44

46-1.3

DESIGN

Manholes shall be constructed generally in accordance with Plates 400, 408, 411 & 412.

Manhole designs, which, in the opinion of the Engineer, provide access to the sewers, a stable working platform and freedom from splash and turbulence, equivalent to or better than the design shown herein will be approved.

46-1.4

PROTECTION

Where new tract sewers are to be connected into a manhole which is in active use, the designer shall call for such protection as is necessary to prevent construction debris from being washed into the active sewers. Plugged inlets or other suitable protection shall be called for in the active manhole before beginning manhole modifications or tract sewer cleaning.

46-1.5

RIM ELEVATIONS

In paved areas, the manhole rim elevation shall match the finished grade. In other than paved areas or travelled ways, the height of the manhole rim will normally be 18" above the finished grade, high water mark, or above the top of future fill areas. In areas where the top of the manhole will need to be below the surface, such as fields that are being farmed, a water tight frame and cover will be required. The elevations shown for the tops of manholes on the design plans shall not relieve the contractor from making final adjustments to match street surfaces.

46-2

CLEANOUTS

46-2.1

REQUIREMENTS

Dead end sewers not over 200 feet in length shall terminate in standard manholes or cleanouts. Dead ends over 200 feet long shall terminate in standard manholes unless future extension of said dead end will include a manhole within 350 feet of the upper most manhole, in which case a temporary cleanout is permitted. Where dead ends are on a slope of 0.01 or greater, the length for use of a cleanout may be extended to 275 feet.

46-2.2

LOCATION

End structures shall be located Five (5) feet up grade from the down grade lot line of the last lot served unless greater length is necessary to serve the property. Cleanouts at the end of cul-de-sac streets shall end 10' to 15' (depending on available space) before the curb face at the end of the street.

46-2.3

DESIGN

Cleanouts shall be constructed generally in accordance with Plate 407.



CITY OF

Oxnard

GENERAL REQUIREMENTS - SEWER

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STANDARD PLAN

PLATE 50

SHEET OF

517

46-3 SERVICE LATERALS

46-3.1 REQUIREMENTS

Wherever it is known or can be reasonably assumed that a building sewer connection is required, a service lateral shall be shown on the plans and installed a minimum of 5' inside the property line as a part of the street sewer construction, prior to paving. Service laterals shall be installed whenever possible during construction of the sewer main using prefabricated fittings. All laterals shall be perpendicular to the sewer main, with the exception in cul-de-sac area and knuckle area. Sewer laterals shall not be located within driveways.

46-3.2 SIZE

Service laterals for single dwellings and small single stores or offices shall be 4" or larger provided the plumbing Code does not require the building sewer to be larger than 4". All other service laterals shall be 6" or larger and at least equal to the size of the building sewer.

46-3.3 DEPTH

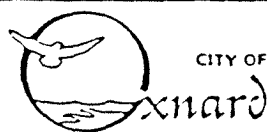
Service laterals shall be at the minimum depths herein provided and in addition such depth shall be sufficient to provide a connection to any point on the lot within the established building setback lines (excluding any area steeper than 5 horizontally to one vertically) with a cover of one foot and a slope on not less than 0.02. Any exception to this requirement may be made only upon approval by the Director of Public Works.

46-3.4 FUTURE CONNECTIONS

Unused openings shall be tightly sealed and supported in a manner to facilitate their future location and use. Developer's engineer shall select appropriate service lateral locations and shall instruct contractor to locate laterals according to the design elevations and locations.

46-3.5

Sewers shall be designed to preclude the backflow of sewage into laterals except when this is economically infeasible. Backflow of sewage into laterals may occur in any building that has waste receiving inlets which are lower than the rim elevation of the next upstream manhole or other structure providing hydraulic relief. While the Plumbing Code provides for the customer to install check valves under certain conditions, the conditions stated do not cover all possibilities of backflow and check valves frequently fail to operate properly. Causes of sewer stoppage include the introduction of foreign objects into manholes, the buildup of grease in the sewer crown at locations where hydraulic jumps occur, high flow rates due to ground or surface water entering the sewer, difficulties while balling sewers, and undersized sewers.



GENERAL REQUIREMENTS - SEWER

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Public Works Department

STANDARD PLAN

PLATE 51

SHEET OF

46-3.6 CONNECTION TO CESSPOOLS OR SEPTIC TANKS
A person shall not connect or cause to be connected any cesspool seepage pit or septic tank to any main line sewer or to any service lateral leading thereto .

46-3.7 CURB MARKINGS
The location of all sewer service laterals shall be marked on the curb at completion of construction .

46-3.8 LATERAL ABANDONMENT
An inspection fee , of the amount approved by City Council , shall be collected and a written permit shall be issued. A public works inspector shall inspect the exposed sewer lateral to see that it has been plugged or capped to insure that any future infiltration shall be eliminated . The inspector shall determine whether the on-site lateral shall remain intact or be crushed in place or removed .

47 STRUCTURAL

47-1 ROADS
All structures and pipe placed under public roads shall be of sufficient strength to support with (an adequate factor of safety) the backfill , road surfacing and H-2O truck loading with impact.

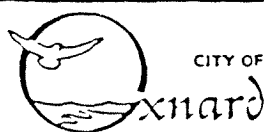
47-2 OTHER PIPES AND STRUCTURES
Sewers under other pipes and structures shall be protected from damage and shall be constructed so as not to endanger the other pipe or structure . Minimum clearance between outside of pipes or between pipes and other structures is 6" unless approved by the Engineer.

47-3 FLEXIBLE JOINTS
Flexible joints which will allow for differential settlements or other movement of sewer pipe , sewer structures , adjacent pipe and adjacent structures shall be provided where sewer lines enter encasements , manholes or other structures. Flexible joints shall be within 4 feet of such structures.

47-4 STEEP GRADES
Sewers laid on grades steeper than 10%, which are not under pavements, shall be anchored in place and protected from erosion in a manner approved by the Engineer.

48 FORCE MAINS AND LIFT STATIONS

48-1 REQUIREMENTS
All sewage shall reach the system by gravity flow, in a fresh condition susceptible to conventional sewage treatment processes. Where extreme hardship conditions prevail, and a substantial area cannot be sewered by gravity sewers in accordance with these requirements, a sewage pumping station may be installed. No pumping facilities shall be incorporated in sewer plans without approval of the Engineer.



GENERAL REQUIREMENTS - SEWER

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STANDARD PLAN

PLATE 52

SHEET OF

48-2

LIFT STATIONS DESIGN

Lift stations, where allowed, shall be of the dry-pit type incorporating the following features :

- a) Pumps or other devices shall be provided in duplicate, arranged for positive priming .
- b) Capacity shall be provided to handle ultimate peak flow from the tributary area with the largest pump out of service. Stage installation of pumps is allowed providing space is provided for future installations.
- c) Access shall be provided to site for removal and repair of equipment .
- d) A means for dewatering force mains shall be provided.
- e) An overflow to natural channel or storm drain shall be provided or an alternate method of protection approved by the Engineer.
- f) The lift station shall not be in CITY road right of way except with permission from the Engineer.

48-3

FORCE MAIN DESIGN

Force mains need not comply with the requirements for gravity sewers. Force mains shall be designed in accordance with good engineering practice.

49

WATER - SEWER SEPARATION - HEALTH REQUIREMENTS

See plate 53 sheet 2 thru 10.

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 CITY OF Oxnard	GENERAL REQUIREMENTS - SEWER		STANDARD PLAN
	DRAWN: SOHER CKD. <i>Jay Patel</i>	APPR. BY <i>Benjamin Y. Wong</i>	PLATE 53 SHEET 1 OF 10

CRITERIA FOR THE SEPARATION
OF WATER MAINS AND SANITARY SEWERS

A. PUBLIC HEALTH CONSIDERATIONS

Waterborne disease outbreaks attributed to the entry of sewage-contaminated groundwater into the distribution systems of public water supplies continue to be a problem in the United States. A community with its buried water mains in close proximity to sanitary sewers is vulnerable to waterborne disease outbreaks.

Sanitary sewers frequently leak and saturate the surrounding soil with sewage. This is caused primarily by structural failure of the sewer line, improperly constructed joints, and subsidence or upheaval of the soil encasing the conduit. A serious public health hazard exists when the water mains are depressurized and no pressure or negative pressures occur. The hazard is further compounded when, in the course of installing or repairing a water main, existing sewer lines are broken. Sewage spills into the excavation and, hence, enters into the water itself. Additionally, if a water main fails in close proximity to a sewer line, the resultant failure may disturb the bedding of the sewer line and cause it to fail. In the event of an earthquake or man-made disaster, simultaneous failure of both conduits often occurs.

The water supplier is responsible for the quality of the water delivered to consumers and must take all practical steps to minimize the hazard of sewage contamination to the public water supply. Protection of the quality of the water in the public water system is best achieved by the barrier provided by the physical separation of the water mains and sewer lines.

The document sets forth the construction criteria for the installation of water mains and sewer lines to prevent contamination of the public water supplies from nearby sanitary sewers.

B. BASIC SEPARATION STANDARDS

The "California Waterworks Standards" set forth the minimum separation requirements for water mains and sewer lines. These Standards, contained in Section 64630, Title 22, California Administrative Code, specify:

 CITY OF San Bernardino	GENERAL REQUIREMENTS - SEWER		STANDARD PLAN
	DRAWN: SOHER CKD: Jay Patel Public Works Department	APPR. BY Benjamin J. Wong	PLATE 53 SHEET 2 OF 10

- (a)
- (b)
- (c) (1) Parallel Construction: The horizontal distance between pressure water mains and sewer lines shall be at least 10 feet.
- (2) Perpendicular Construction (Crossing): Pressure water mains shall be at least one foot above sanitary sewer lines where these lines must cross.
- (d) Separation distances specified in (c) shall be measured from the nearest edges of the facilities.
- (e) (2) Common Trench: Water mains and sewer lines must not be installed in the same trench.

C. EXCEPTIONS TO BASIC SEPARATION STANDARDS

Local conditions, such as available space, limited slope, existing structures, etc., may create a situation where there is no alternative but to install water mains or sewer lines at a distance less than that required by the Basic Separation Standards. In such cases, alternative construction criteria as specified in Section B should be followed, subject to the special provisions in Section D.

Water mains and sewers of 24 inches diameter or greater may create special hazards because of the large volumes of flow. Therefore, installations of water mains and sewer lines 24 inches diameter or larger should be reviewed and approved by the health agency prior to construction.

D. SPECIAL PROVISIONS

1. The Basic Separation Standards are applicable under normal conditions for sewage collection lines and water distribution mains. More stringent requirements may be necessary if conditions, such as, higher groundwater exist.
2. Sewer lines shall not be installed within 25 feet horizontally of a low head (5 psi or less pressure) water main.
3. New water mains and sewers shall be pressure tested where the conduits are located ten feet apart or less.

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	GENERAL REQUIREMENTS - SEWER		STANDARD PLAN
	CITY OF xnard	DRAWN: <u>SOHER</u> CKD: <u>Jay Patel</u> Public Works Department	APPR. BY <u>Benjamin J. Wong</u>

4. In the installation of water mains or sewer lines, measures should be taken to prevent or minimize disturbances of the existing line. Disturbance of the supporting base of this line could eventually result in failure of this existing pipeline.
5. Special consideration shall be given to the selection of pipe materials if corrosive conditions are likely to exist. These conditions may be due to soil type and/or the nature of the fluid conveyed in the conduit, such as septic sewage which produces corrosive hydrogen sulfide.
6. Sewer Force Mains
 - a. Sewer force mains shall not be installed within ten feet (horizontally) of a water main.
 - b. When a sewer force main must cross a water line, the crossing should be as close as practical to the perpendicular. The sewer force main should be at least one foot below the water line.
 - c. When a new sewer force main crosses under an existing water main, all portions of the sewer force main within ten feet (horizontally) of the water main shall be enclosed in a continuous sleeve.
 - d. When a new water main crosses over an existing sewer force main, the water main shall be constructed of pipe materials with a minimum rated working pressure of 200 psi or equivalent pressure rating.

E. ALTERNATE CRITERIA FOR CONSTRUCTION

The construction criteria for sewer lines or water mains where the Basic Separation Standards cannot be attained are shown in Figures 1 and 2. There are two situations encountered:

Case 1 -- New sewer line -- new or existing water main.

Case 2 -- New water main -- existing sewer line.

For Case 1, the alternate construction criteria apply to the sewer line.

For Case 2, the alternate construction criteria may apply to either or both the water main and sewer line.



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GENERAL REQUIREMENTS - SEWER

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PLATE 53

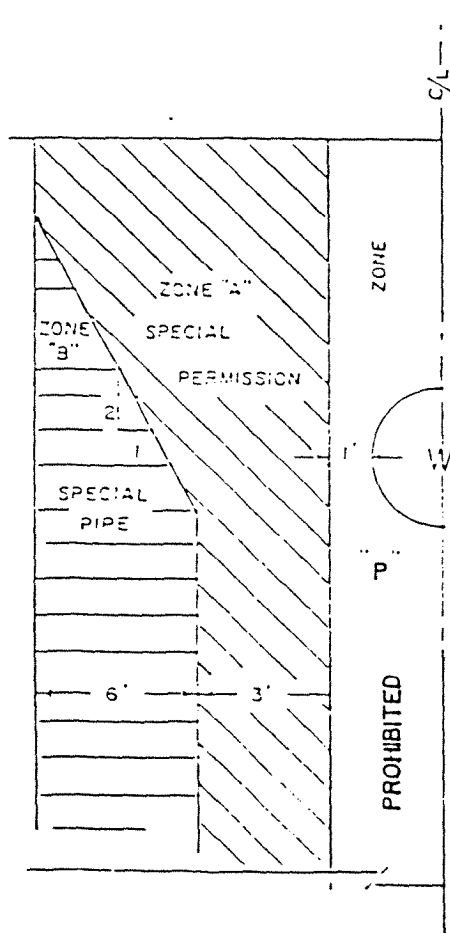
SHEET 4 OF 10

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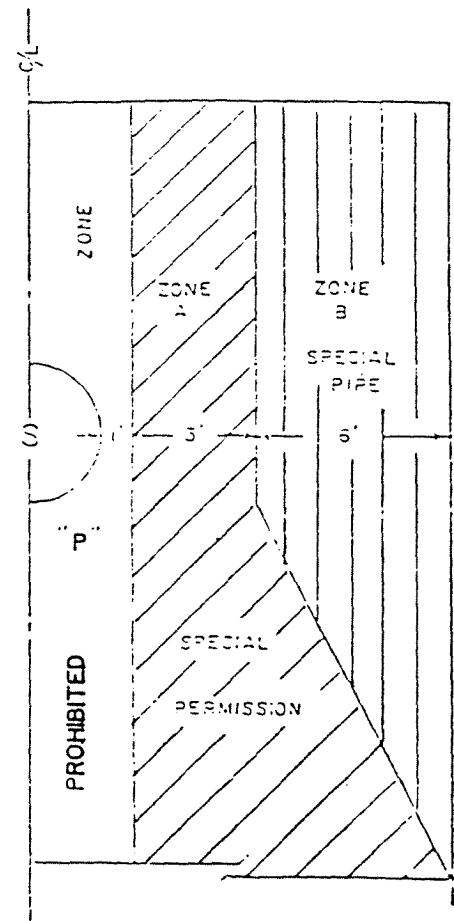
The construction criteria should apply to the house laterals that cross above a pressure water main but not to those house laterals that cross below a pressure water main.

FIGURE 1

PARALLEL CONSTRUCTION



CASE 1
NEW SEWER



CASE 2
NEW WATER MAIN

NOTE :

ZONES IDENTICAL ON EITHER SIDE OF CENTER LINES.

ZONES "P" IS A PROHIBITED ZONE SECTION 64630 (E) (2) CALIFORNIA ADMINISTRATIVE CODE , TITLE 22.



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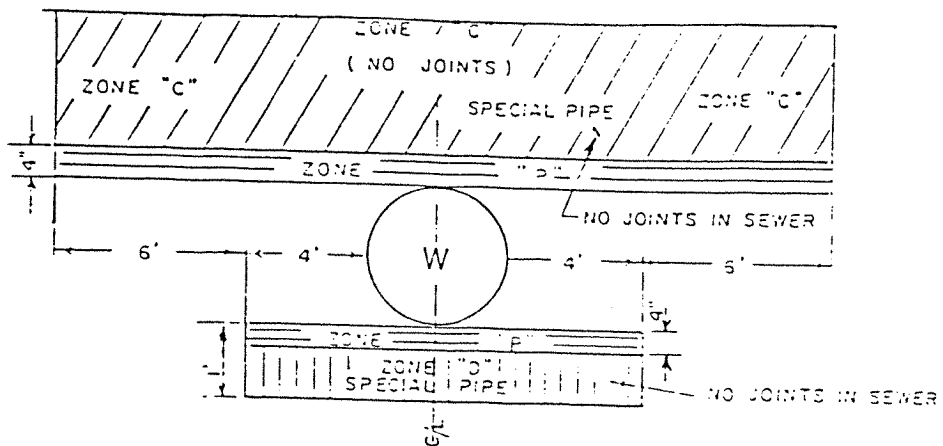
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PLATE 53

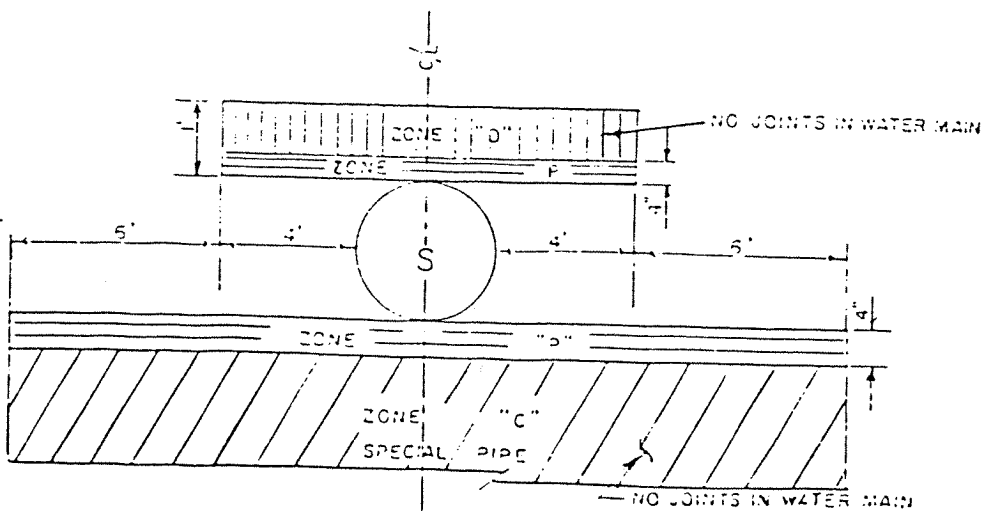
SHEET 5 OF 10

FIGURE 2
CROSSINGS



**CASE 1
NEW SEWER**

NOTE
"B" IS A PROHIBITED
CONSTRUCTION ZONE.



CASE 2

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STANDARD PLAN

PLATE 53

SHEET 6 OF 10

Case 1: New Sewer Being Installed (Figures 1 and 2)

Zone Special Construction Required for Sewer

- A Sewer lines parallel to water mains shall not be permitted in this zone without approval from the responsible health agency and water supplier.
- B A sewer line placed parallel to a water line shall be constructed of:
1. Extra strength vitrified clay pipe with compression joints.
 2. Class 4000, Type II, asbestos-cement pipe with rubber basket joints.
 3. Rubber gasketed pressure rated plastic pipe (per ASTM 2241), class rated plastic water pipe (per AWWA C900) or equivalent.
 4. Plastic sewer pipe with fused joints (per ASTM D3034) or equivalent.
 5. Cast or ductile iron pipe with compression joints.
 6. Reinforced concrete pressure pipe with compression joints (per AWWA C302-74).
- C A sewer line crossing a water main shall be constructed of:
1. Ductile iron pipe with hot dip bituminous coating and mechanical joints.
 2. A continuous section of Class 200 (DR 14 per AWWA C900) plastic pipe or equivalent, centered over the pipe being crossing.
 3. A continuous section of reinforced concrete pressure pipe (per AWWA C302-74) centered over the pipe being crossed.
 4. Any sewer pipe within a continuous sleeve.
- D A sewer line crossing a water main shall be constructed of:
1. A continuous section of ductile iron pipe with hot dip bituminous coating.



CITY OF

San Bernardino

GENERAL REQUIREMENTS - SEWER

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Public Works Department

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STANDARD PLAN

PLATE 53

SHEET 7 OF 10

2. A continuous section of Class 200 (DR 14 per AWWA C900) plastic pipe or equivalent, centered on the pipe being crossed.
3. A continuous section of reinforced concrete pressure pipe (per AWWA C302-74) centered on the pipe being crossed.
4. Any sewer pipe within a continuous sleeve.
5. Any sewer pipe separated by a ten-foot by ten-foot, four-inch-thick reinforced concrete slab.

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 CITY OF Oxnard	GENERAL REQUIREMENTS - SEWER		STANDARD PLAN
	DRAWN: <u>SOHER</u> CKD: <u>Jay Patel</u> Public Works Department	APPR. BY <u>Benjamin Y. Wong</u>	PLATE 53 SHEET 8 of 10

Case 2: New Water Mains Being Installed (Figures 1 and 2)

Zone

- A No water mains parallel to sewers shall be constructed without approval from the health agency.
- B If the sewer paralleling the water main does not meet the Case 1, Zone B, requirements, the water main shall be constructed of:
1. Ductile iron pipe with hot dip bituminous coating.
 2. Dipped and wrapped one-fourth-inch-thick welded steel pipe.
 3. Class 200, Type II, asbestos-cement pressure pipe.
 4. Class 200 pressure rated plastic water pipe (DR 14 per AWWA C900) or equivalent.
 5. Reinforced concrete pressure pipe, steel cylinder type, per AWWA (C300-74 or C301-79 or C303-70).
- C If the sewer crossing the water main does not meet the Case 1, Zone C, requirements, the water main shall have no joints in Zone C and be constructed of:
1. Ductile iron pipe with hot dip bituminous coating.
 2. Dipped and wrapped one-fourth-inch-thick welded steel pipe.
 3. Class 200 pressure rated plastic water pipe (DR 14 per AWWA C900) or equivalent.
 4. Reinforced concrete pressure pipe, steel cylinder type, per AWWA (C300-74 or C301-79 or C303-70).
- D If the sewer crossing the water main does not meet the requirements for Zone D, Case 1, the water main shall have no joints within four feet from either side of the sewer and shall be constructed of:
1. Ductile iron pipe with hot dip butuminous coating.
 2. Dipped and wrapped one-fourth-inch-thick welded steel pipe.
 3. Class 200 pressure rated plastic water pipe (DR 14 per AWWA C900) or equivalent.



CITY OF

GENERAL REQUIREMENTS - SEWER

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STANDARD PLAN

PLATE 53

SHEET 9 OF 10

4. Reinforced concrete pressure pipe, steel cylinder type, per AWWA (C300-74 or C301-79 or C303-70).

NOTES AND DEFINITIONS

1. HEALTH AGENCY -- The Department of Health Services. For those water systems supplying fewer than 200 service connections, the local health officer shall act for the Department of Health Services.
2. WATER SUPPLIER -- "Person operating a public water system" or "supplier of water" means any person who owns or operates a public water system.
3. LOW HEAD WATER MAIN -- Any water main which has a pressure of five psi or less at any time at any point in the main.
4. Dimensions are from outside of water main to outside of sewer line or manhole.
5. COMPRESSION JOINT -- A push-on joint that seals by means of the compression of a rubber ring or gasket between the pipe and a bell or coupling.
6. MECHANICAL JOINTS -- Bolted joints.
7. RATED WORKING WATER PRESSURE OR PRESSURE CLASS -- A pipe classification system based upon internal working pressure of the fluid in the pipe, type of pipe material, and the thickness of the pipe wall.
8. FUSED JOINT -- The jointing of sections of pipe using thermal or chemical bonding processes.
9. SLEEVE -- A protective tube of steel with a wall thickness of not less than one-fourth inch into which a pipe is inserted.
10. GROUND WATER -- Subsurface water found in the saturation zone.
11. HOUSE LATERAL -- A sewer connecting the building drain and the main sewer line.

	GENERAL REQUIREMENTS - SEWER		STANDARD PLAN
	CITY OF xnard	DRAWN: <u>SOHER</u> CKD: <u>Jay Patel</u> APPR. BY: <u>Benjamin Y. Wong</u>	PLATE 53
Public Works Department			SHEET 10 OF 10

50

GENERAL DRAINAGE DESIGN GOALS AND ACCEPTABLE PROCEDURES

The following general drainage design criteria are applied to the development design to assure consistent performance meeting the requirements of drainage standards.

- 50-1 All development will be required to accept the storm runoff from the upstream tributary watershed, and convey it, with the additional runoff, generated from said development, to the nearest watercourse.
When required, new facilities within the development will be sized to accept runoff from a fully developed watershed. In addition, the development will be required to upgrade or provide adequate facilities to convey the existing Q₁₀ from the existing watershed together with the additional runoff from the development, through the development and to the nearest watercourse.
- 50-2 Ditches, channels, drains, road improvements and all other storm water carrying facilities shall be designed and constructed to the standards established by the Public Works Department, generally at 10%- storm for roads, and 2% - storm for red-line channels.
- 50-3 Ventura County Flood Control District standards shall be observed for all facilities within this jurisdiction, and the approval of the District shall be obtained on all improvement plans for such facilities.
- 50-4 Storm water acceptance deeds must be obtained whenever diversion or concentration of waters is involved.
- 50-5 Overland flow shall be intercepted at the boundaries and conveyed through or around said development.
- 50-6 Manholes will generally be required (for access for inspection and maintenance) at angle points greater than 10 degrees, at junctions, at intervals not exceeding 400 feet, at locations where the conduit changes in size, and points where an abrupt flattening or steepening of the grade occurs.
- 50-7 Drainage calculations, signed or sealed by a registered civil engineer in California, shall be clearly and completely presented, and that there be a clear determination that design standards have been met.
- 50-8 The Cook's Method shall be used in Hydrology calculations on City's street and drainage facilities.
- 50-9 15' wide access road shall be provided for all open channel and ditches. The surface of access road shall be paved with 4 inches agg. base and oil penetration treatment.



CITY OF

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GENERAL REQUIREMENTS - DRAINAGE

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STANDARD PLAN

PLATE 54

SHEET OF

51

STREET DRAINAGE CRITERIA

- 51-1 Street cross-sections are not to be designed for use as a substitute for storm drains in conveying drainage water from offsite area to disposal channels.
They may be used to convey water originating from the street and from adjoining lots or unimproved areas, providing that vehicle and pedestrian use of the streets is not unreasonably restricted.
Flow from unimproved areas shall have facilities to remove debris and/or silt from the flow before entering the street.
- 51-2 The storm runoff to be used in calculating the capacity of street drainage facilities will be Q_{10} providing the adjacent lot pads shall not be flooded by the storm runoff from Q_{50} .
Wherever the road forms a sump, the drainage facilities at this location shall be designed for Q_{50} in such a manner that the water level will not encroach on building pads even at times of plugging of the facilities.
Drainage facilities in sumps may be designed for Q_{10} only if it is constructed with an overflow channel(s) for excess flow approved by the city.
- 51-3 In computing design capacity of the street, a provision of A.C. overlay of 0.10 feet thickness over the entire travelled and parking lanes should be made. This will provide the capacity which represents the actual condition subsequent to the overlay.
- 51-4 To prevent undue hazard, restriction, and interference with vehicular and pedestrian traffic on local, collector and arterial streets, the Q_{10} runoff shall be conveyed in the following manner :
- 51-4.1 RESIDENTIAL STREET (PLATE 100), LOCAL COMMERCIAL / INDUSTRIAL STREET (PLATE 101) INCLUDING SERVICE ROAD AND ALLEY.
Flow shall be contained between curb faces. Cross-gutter will be allowed only on these streets and service roads and where the traffic would normally stop.
- 51-4.2 COLLECTOR COMMERCIAL / INDUSTRIAL STREET (PLATE 101)
Shall be designed to maintain 24 feet of pavement nearest the centerline of the travelled way free of longitudinally flowing drainage water. No cross-gutter will be allowed on collector streets.
- 51-4.3 LOCAL AND SECONDARY ARTERIALS
Shall be designed to maintain 14 feet of pavement in each direction free of longitudinal flowing drainage water. No cross-gutter will be allowed on local and secondary arterials.
- 51-4.4 PRIMARY ARTERIALS
Shall be designed to maintain 26 feet of pavement in each direction free of longitudinal flowing drainage water. No cross-gutter will be allowed on primary arterials.

**GENERAL REQUIREMENTS - DRAINAGE**

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Public Works Department

Benjamin J. Wong

STANDARD PLAN

PLATE 55

SHEET OF

- 51-5 Where the design storm runoff exceeds the permitted hydraulic capacity of the street section, the design storm runoff must be removed from the street and conveyed in an underground storm drain to a drain outlet or natural watercourse. Minimum size of drain shall be 18 inches in diameter.
- 51-6 When in the opinion of the City a serious silt or debris deposition on the streets or property will result, the debris hazard shall be eliminated by providing a debris basin, outlet works and/or trash rack as directed by the City.
- 51-7 For design plans, hydraulic grade lines shall be at least 8" below the furnished grade over underground conduits and at least 12" below the top of bank for open channels. Freeboard of $0.5' + 0.1 \times \text{flow depth}$ for open channels will be required.
- 51-8 For all drainage facilities located outside of Ventura County Flood Control District's jurisdiction, the quantity of Q_{10} shall be based on the Cook's Method and latest VCFCF isohyetal and soil maps issued by the District.
- 51-9 Capacity of all inlets shall be based on the design runoff. At public school sites, catch basins shall be located at the near or far street gutter to collect the storm flow prior to the pedestrian walk.
Catch basins shall be located prior to pedestrian cross-walk in the urban, commercial, or industrial street system.
Side opening inlets are preferable in urban areas in order to minimize hazard to pedestrians and bicycle riders from grate basins and debris unsightliness.
- 51-10 Deviations from the street drainage criteria may be made only upon the approval of the Public Works Director subsequent to the review and approval of sufficient supporting data furnished by the person requesting the deviations, or upon approval of the City Council.

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 CITY OF Oxnard	GENERAL REQUIREMENTS - DRAINAGE		STANDARD PLAN
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	Public Works Department		<i>Boujamen Y. Wong</i>
			PLATE 56
			SHEET OF

52

MODIFIED RATIONAL FORMULA - COOK'S METHOD

52-1

BACKGROUND

This method was adopted for use for the hydrologic design of City drainage facilities in the City of Oxnard on March, 1977.

The method was originally prepared for use in Ventura County. It was adapted by the County from a similar presentation for nationwide use published in the U.S. Navy Manual, "Soil Conservation - NAVDOCKS TP -Pw- 5". The presentation was originally prepared by the U.S. Soil Conservation Service.

The method takes into account the drainage area, relief and surface storage of the area, type of soil, extent of vegetal cover, shape of the watershed, rainfall intensity to be expected, and the frequency of occurrence.

The adapted method was verified by the County by comparing the computed runoffs with the available runoff data and was found to give reasonable results. The City has analytically compared this method with other known methods and found it to yield relatively reasonable answers.

52-2

REFERENCE COUNTY MAPS

The following County maps shall be used with this method :

- 1) "Hydrologic Soil-Type Map" - Ventura County Flood Control District's Hydrology Manual, August, 1966, Figures 5,6,&7.
- 2) "Isohyetal Map - 24 Hour Rainfall with probable 50-Year Frequency", Ventura County Flood Control District, March, 1966, Dwg. No. D-3-3d.

52-3

ASSUMPTIONS

On the basis that a) the City of Oxnard area consists primarily of type B soil and flat terrain, b) the average 24-hour 50-year frequency rainfall is six (6) inches, and c) the effect of the differences in vegetal cover between various types of residential development, as well as between commercial and industrial developments, is minor, the following simplifying assumptions may be made in using this method:

- 1) Rainfall-intensity correction factor of 123% may be used throughout the City.
- 2) The types of development may be grouped into three (3) major categories with the corresponding "C" factor shown.

TYPE OF DEVELOPMENT

Undeveloped
Residential
Commercial & Industrial
• Depends on soil-type

"C"- FACTORS

40 - 45*
60
70

52-4

LIMITATIONS

This method shall be used only in the hydrologic design of City facilities with watershed area of not larger than 100 acres. (Ventura County Flood Control District's hydrology method shall be used in all District's facilities).



CITY OF

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GENERAL REQUIREMENTS - DRAINAGE

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STANDARD PLAN

PLATE 57

SHEET OF

REV. APPR. BY DATE

52-5

COMPUTATION PROCEDURE

(Refer to computation form and appropriate charts & graphs)

- 1) Delineate and measure the drainage area in acres.
- 2) Measure travel length , L , in feet.
- 3) Compute average width of watershed in feet.
- 4) Compute length to width ratio and determine the shape correction factor from the given chart.
- 5) Determine soil type from hydrologic soils map, vegetal cover from field observation , relief and surface storage from topographic map and/or field observation, as required.
- 6) Compute "C" factor from given chart.
- 7) Using computed "C" factor and measured drainage area obtain the uncorrected Q_{10} from the graph.
- 8) Multiply the Q_{10} in item (7) by both the shape correction and rainfall intensity correction factor to obtain corrected Q_{10} peak runoff.
- 9) For other frequencies , multiply the corrected Q_{10} by the appropriate frequency correction factor from the chart.

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GENERAL REQUIREMENTS - DRAINAGE

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Public Works Department

STANDARD PLAN

PLATE 58

SHEET OF

53

MODIFIED COOKS - HYDROLOGIC CALCULATIONS

Project _____ Job No. _____ Sheet _____ Of _____

Watershed _____ Designed _____ Date _____

Concentration Point _____ Checked _____ Date _____

Watershed Constants :

Drainage Area _____ Acres

Length _____ feet Fall _____ feet Slope _____ %

Width = $\frac{\text{Area} \times 43560}{\text{Length}}$ = _____ feet $\frac{\text{Length}}{\text{Width}}$ = _____ Shape Correc. Factor = _____

Soil Type _____ RI-Correc. Factor _____

Computation of "C"

<u>Type of Development</u>	<u>"C" Factor</u>	<u>Present</u>	<u>Future</u>
Undeveloped	40-45	_____	_____
Residential	60	_____	_____
Commercial & Industrial	70	_____	_____

Composite "C" FactorRunoff : Q from curve = _____ $\times \frac{L}{W}$ Factor _____ $\times$ RI-Corr. Factor _____

<u>Frequency</u>	<u>Frequency Factor</u>	<u>Q</u>
20%	65%	_____ cfs
10%	100%	_____ cfs
4%	135%	_____ cfs
2%	170%	_____ cfs
1%	200%	_____ cfs

**GENERAL REQUIREMENTS - DRAINAGE**

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STANDARD PLAN

PLATE 59

SHEET OF

54

MODIFIED RATIONAL FORMULA**" C " FACTORS***

ITEMS	RUNOFF PRODUCING CHARACTERISTICS			
RELIEF	40 Steep, slopes exceed 30%	30 Hilly, slopes 10% to 30%	20 Rolling, slopes 5% to 10%	10 Flat, slopes 0 to 5%
SURFACE STORAGE	20 Negligible, surface depressions few and shallow. Drainageways steep & small, no ponds or marshes.	15 Low, well defined system of small drainageways, no ponds or marshes.	10 Normal, considerable surface depression storage, lakes and ponds less than 2% of drainage area.	5 High, surface depression storage high, drainage system not sharply defined.
SOIL	20 Rock or thin soil mantle. Negligible infiltration capacity.	15 Clay or other soil of low infiltration capacity.	10 Normal, deep permeable soils.	5 High, sands, loamy sands & other loose open soils.
SCS CLASS	D	C	B	A
VEGETAL COVER	20 No effective soil cover, bare or very sparse cover.	15 Clean cultivated crops or poor natural cover, less than 10% of drainage area under good cover.	10 50% of drainage area in good grassland or woodland, 50% of area in clean cultivated crops.	5 About 90% of drainage area in good grassland woodland or equivalent cover.

" C " FACTOR
(FOR CITY OF OXNARD)

C = 40 - 45
C = 60
C = 70

FOR UNDEVELOPED
FOR RESIDENTIAL
FOR COMMERCIAL AND INDUSTRIAL

NOTE:

In hydrologic Calculations, use values of "C" given in lower table.
Use of values of "C" given in upper table have to be approved by the City Engineer.



CITY OF

Oxnard

GENERAL REQUIREMENTS - DRAINAGE

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STANDARD PLAN

PLATE 60

SHEET OF

FREQUENCY FACTORS - %

RETURN FREQUENCY	RETURN PERIOD	FACTOR
50%	2	25
20%	5	65
10%	10	100
4%	25	135
2%	50	170
1%	100	200
0.1%	1,000	400

RAINFALL INTENSITY CORRECTION FACTOR

OXNARD AREA = 123%

SHAPE CORRECTION FACTORS - %

AREA L/W	0.01 S.M.	0.1 S.M.	1 S.M.	10 S.M.	100 S.M.	1,000 S.M.
1	115	125	132	141	154	172
1.5	112	115	119	124	131	141
2	108	110	110	113	117	122
3	100	100	100	100	100	100
4	98	95	94	91	89	86
5 or greater	95	91	88	85	82	78

1 S.M. = 1 Square Mile = 640 Acres

Just for information only

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GENERAL REQUIREMENTS - DRAINAGE

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CHKD: Jay Patel

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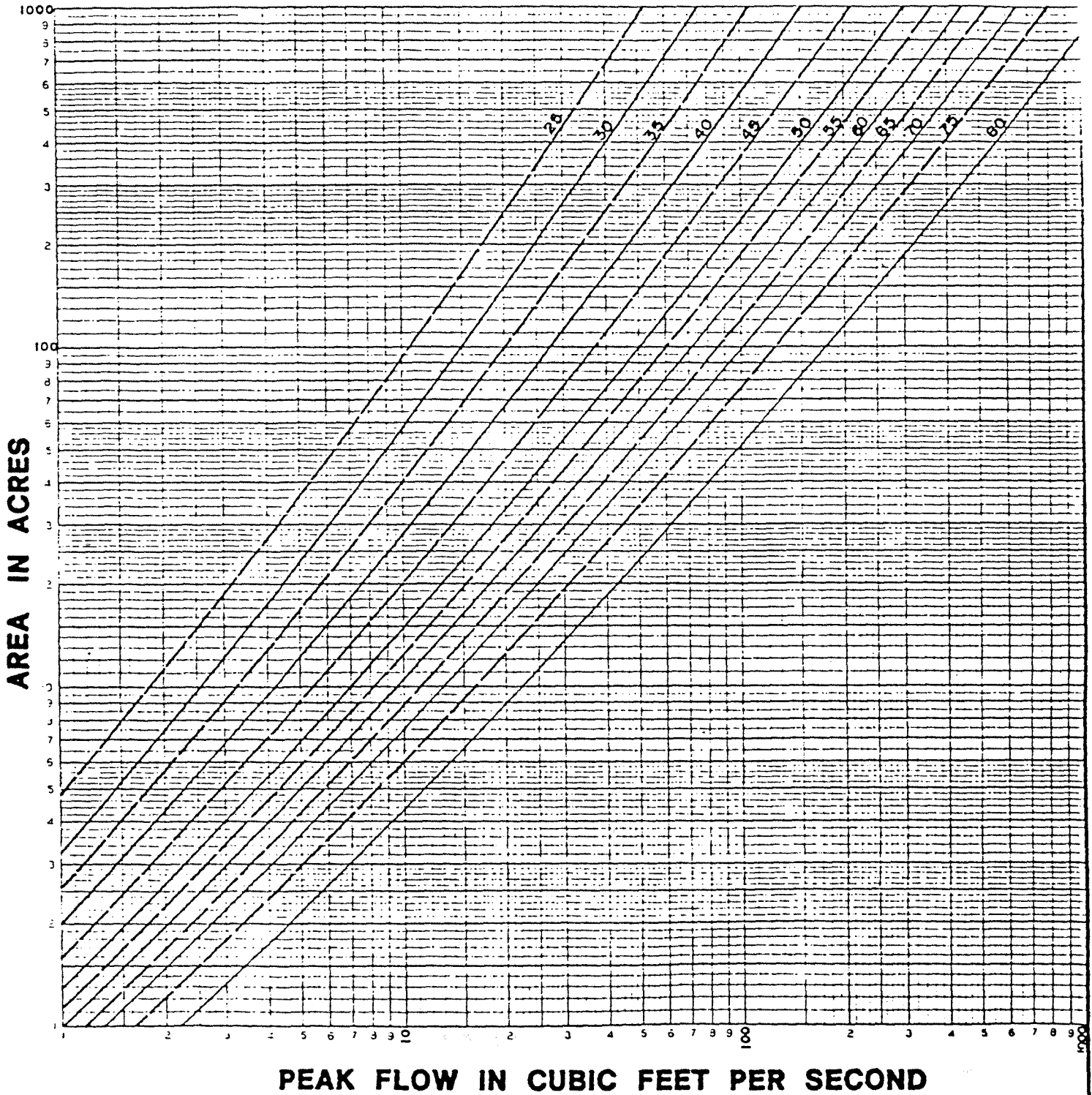
Public Works Department

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STANDARD PLAN

PLATE 61

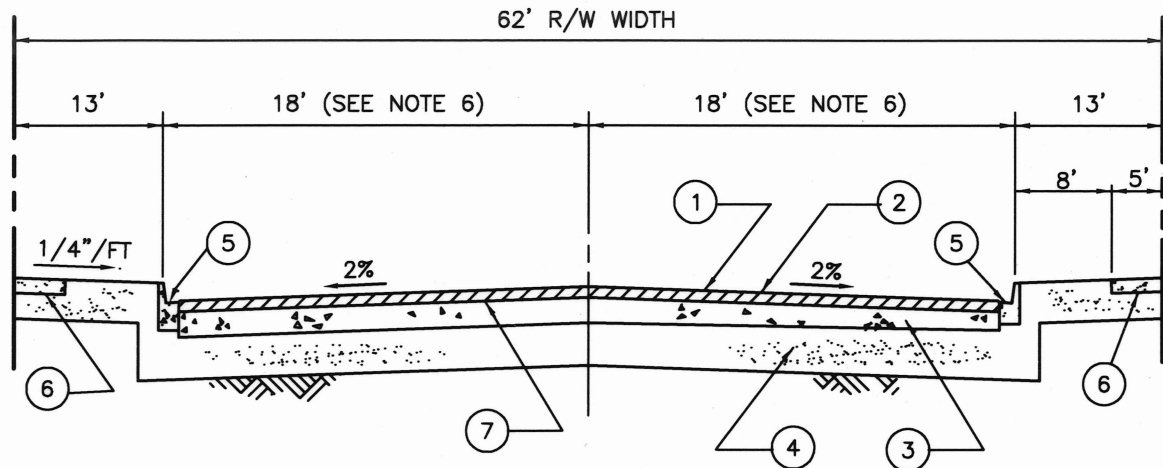
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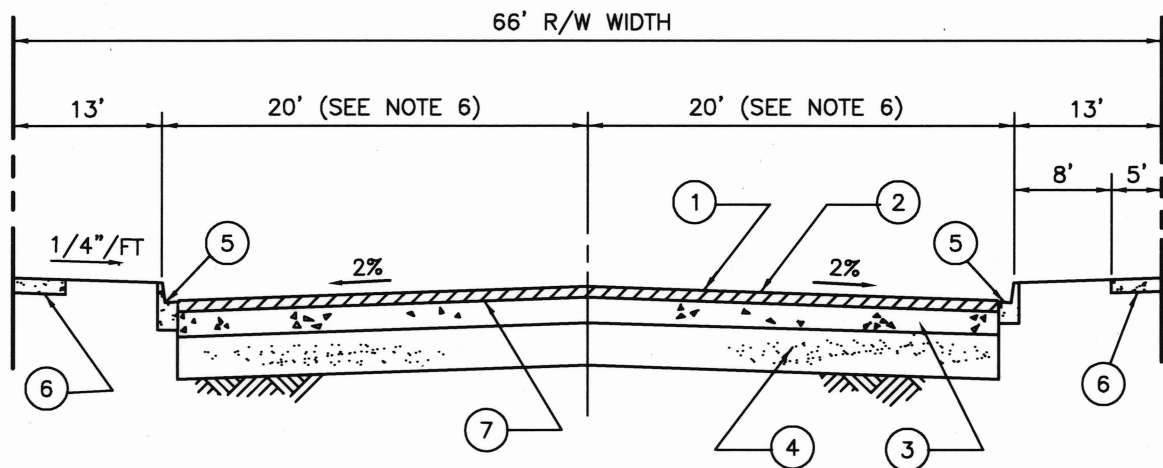
 CITY OF San Bernardino	GENERAL REQUIREMENTS - DRAINAGE		STANDARD PLAN	
	DRAWN: SOHER	CKD. <i>Gay Patel</i>	APPR. BY	PLATE 62
	Public Works Department		<i>Benjamin Y. Wong</i>	SHEET OF

REV.	APPR. BY	DATE

REV.	APPR. BY	DATE
	Lou B.	9/6/07



MINOR RESIDENTIAL STREET



RESIDENTIAL COLLECTOR

- ①. FOG SEAL: SS-1H; RATE=0.10 GAL/SY. ALSO SEE SECTION 203-3 OF S.S.P.W.C.
- ⚠ ②. ASPHALT CONCRETE: BASE COURSE-TYPE III, B2-PG 64-10; MIN., 1 3/4" THICK. FINISH COURSE-TYPE III, C2-PG 64-10; MIN., 1 1/4" THICK. TOTAL THICKNESS 3" MINIMUM, ACTUAL THICKNESS PER SOILS ANALYSIS (SEE NOTES)
- ③. CAB, CMB, CL2, OR RECYCLED PMB WITH CL2 GRADATION: MIN. 4" THICK; ACTUAL THICKNESS AS DETERMINED BY SOILS ANALYSIS. SEE BELOW FOR REQUIRED TRAFFIC INDEX. MINIMUM 95% RELATIVE COMPACTION (SEE NOTES)
- ④. ZONE OF SUBGRADE: MIN. 12" THICK; MIN. 95% RELATIVE COMPACTION.
- ⑤. CONC. C & G: TYPE "A2-6" PER PLATE 111.
- ⑥. CONC. SIDEWALK: MIN. 4" THICK AND 5' WIDE PER PLATE 112 OR AS SHOWN ON APPROVED IMPROVEMENT PLANS.
- ⑦. PRIME COAT: SC-70; RATE=0.20 TO 0.40 GAL/SQ. YD. ALSO SEE SECTION 302-5.3 OF S.S.P.W.C. (REQUIREMENT FOR PRIME COAT MAY BE WAIVED BY CITY ENGINEER BASED ON FIELD CONDITIONS)



RESIDENTIAL STREET

STANDARD PLAN
2002

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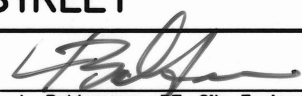
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L. Balderrama, PE, City Engineer

PLATE 100

SHEET 1 OF 2

DESIGN CRITERIA

TRAFFIC INDEX DESIGN VALUE

ANTICIPATED BUS ROUTES	7.0
TRAFFIC INDEX > 151 LOTS SERVED	6.5
TRAFFIC INDEX 51 - 150 LOTS SERVED	6.0
TRAFFIC INDEX 21 - 50 LOTS SERVED	5.5
TRAFFIC INDEX < 21 LOTS SERVED	5.0

NOTES:

1. APPLY WEED KILLER AT ALL COLD JOINTS, BETWEEN ASPHALT AND GUTTER, AND BETWEEN CURB AND SIDEWALK. WEED KILLER SHOULD STOP 6' FROM DRIP LINE OF TREES.
2. IN NEW DEVELOPMENT, FINISH COURSE OF AC SHALL BE PLACED PRIOR TO ANY BUILDING OCCUPANCY.
3. ACTUAL ASPHALT AND BASE THICKNESSES TO BE DETERMINED BY SOILS ANALYSIS WITH MINIMUM THICKNESS AS NOTED.
4. SLURRY SEAL IN LIEU OF FOG SEAL MAY BE REQUIRED IF FINISH COURSE IS DAMAGED DURING CONSTRUCTION.
5. ALL STREET CUTS OCCURING AFTER FINISH COURSE PAVING SHALL BE REPAVED IN ACCORDANCE WITH PLATE 602 SHEET 3 OF 5 (NEWLY IMPROVED STREETS).
6. ADDITIONAL PAVEMENT WIDTH MAY BE REQUIRED AT INTERSECTIONS.
- 1 7. A.C. COMPACTION SHALL BE 96.5%.



RESIDENTIAL STREET

STANDARD PLAN
2002

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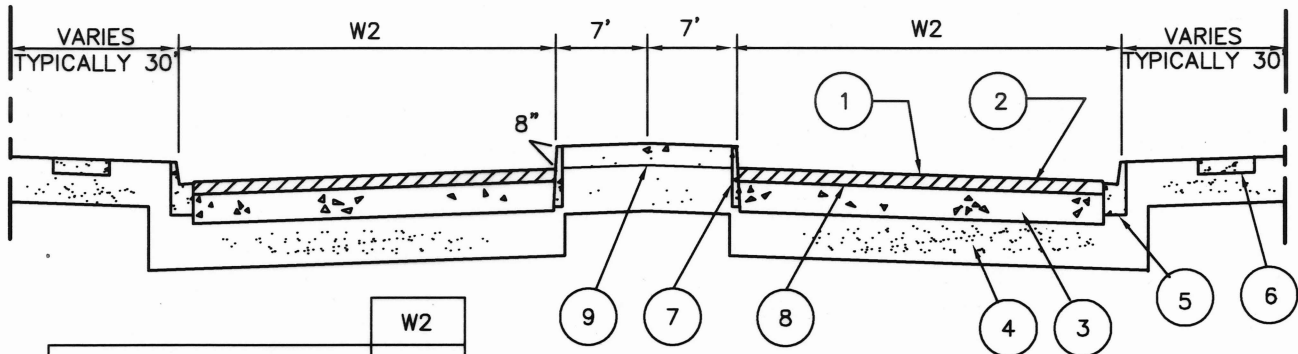
Department of Public Works

APPR.

L. Balderrama
L. Balderrama, PE, City Engineer

PLATE 100

SHEET 2 OF 2



	W2
SECONDARY ARTERIAL	32'
PRIMARY ARTERIAL	42'

T.I. = 10.5 MINIMUM

- ① FOG SEAL: SS-1h; RATE = 0.10 GAL/SY ALSO SEE SECTION 203-3 OF S.S.P.W.C.
- ② ASPHALT CONC: MINIMUM 4" THICK, TYPE III B-2 PG 64-10 - 2 1/2" BASE COURSE AND TYPE III C2 PG 64-10 - 1 1/2" FINISH COURSE. ACTUAL THICKNESS PER SOILS ANALYSIS.
- ③ CAB, CMB, CLASS 2, OR PROCESSED PMB WITH CL2 GRADATION: MINIMUM 8" THICK; ACTUAL THICKNESS DETERMINED BY SOIL ANALYSIS FOR REQUIRED TRAFFIC INDEX MINIMUM 95% RELATIVE COMPACTION.
- ④ ZONE OF SUBGRADE: MINIMUM 12" THICK; MINIMUM 95% RELATIVE COMPACTION.
- ⑤ CONCRETE C & G: TYPE "A2-6" PER PLATE 111. 6" CURB ONLY
- ⑥ CONC. SIDEWALK: MINIMUM 4" THICK AND 5' WIDE PER PLATE 112 OR AS SHOWN ON APPROVED IMPROVEMENT PLANS.
- ⑦ MEDIAN CURB: TYPE "A1-8" PER PLATE 111, 8" CURB FACE UNLESS OTHERWISE SHOWN.
- ⑧ PRIME COAT : SC-70; RATE=0.20 TO 0.40 GAL/SQ. YD. ALSO SEE SECTION 302-5.3 OF S.S.P.W.C. (REQUIREMENT FOR PRIME COAT MAY BE WAIVED BY CITY ENGINEER BASED ON FIELD CONDITIONS).
- ⑨ MEDIAN: PROVIDE STAMPED CONCRETE IN ALL AREAS OF MEDIAN 6' (BACK OF CURB TO BACK OF CURB) WIDE OR LESS. PATTERN AND COLOR OF STAMPED CONC. TO BE PER PLATE 128 UNLESS OTHERWISE APPROVED BY PARKS DEPARTMENT.
MEDIAN WIDER THAN 6' (BACK OF CURB TO BACK OF CURB) SHALL BE LANDSCAPED AND IRRIGATED PER PARK DEPARTMENT'S REQUIREMENTS. THEIR REVIEW AND APPROVAL IS MANDATORY.
STREET LIGHTING IN THE MEDIAN SHALL BE REVIEWED & APPROVED BY THE CITY TRAFFIC ENGINEER.
STREET NAME & OTHER TRAFFIC SIGNS SHALL BE AS REQUIRED BY THE TRAFFIC ENGINEER. REFERENCE: PLATE 203.
PROVIDE 4" SLEEVE FOR ALL IRRIGATION LINES UNDER CONCRETE OR BETWEEN MEDIANS.

NOTES:

1. APPLY WEED KILLER AT ALL COLD JOINTS, BETWEEN ASPHALT AND GUTTER, AND BETWEEN CURB AND SIDEWALK. WEED KILLER SHOULD STOP 6' FROM DRIP LINE OF TREES.
2. IN NEW DEVELOPMENT, FINISH COURSE OF AC SHALL BE PLACED PRIOR TO ANY BUILDING OCCUPANCY.
3. ACTUAL ASPHALT AND BASE THICKNESSES TO BE DETERMINED BY SOILS ANALYSIS WITH MINIMUM THICKNESS AS NOTED.
4. SLURRY SEAL IN LIEU OF FOG SEAL MAY BE REQUIRED IF FINISH COURSE IS DAMAGED DURING CONSTRUCTION.
5. ALL STREETS CUTS OCCURING AFTER CONSTRUCTION AFTER FINISH COURSE PAVING SHALL BE REPAVED IN ACCORDANCE WITH PLATE 602 SHEET 3 OF 3 (NEWLY IMPROVED STREETS)
6. ADDITIONAL PAVEMENT WIDTH MAY BE REQUIRED AT INTERSECTIONS.

- ① 7. A.C COMPACTION SHALL BE 96.5%.



CITY OF

ARTERIAL ROADWAY

STANDARD PLAN
2002

DRAWN: STAFF

CKD.: STAFF

Department of Public Works

APPR:

Lou B. Babin 9-12-07

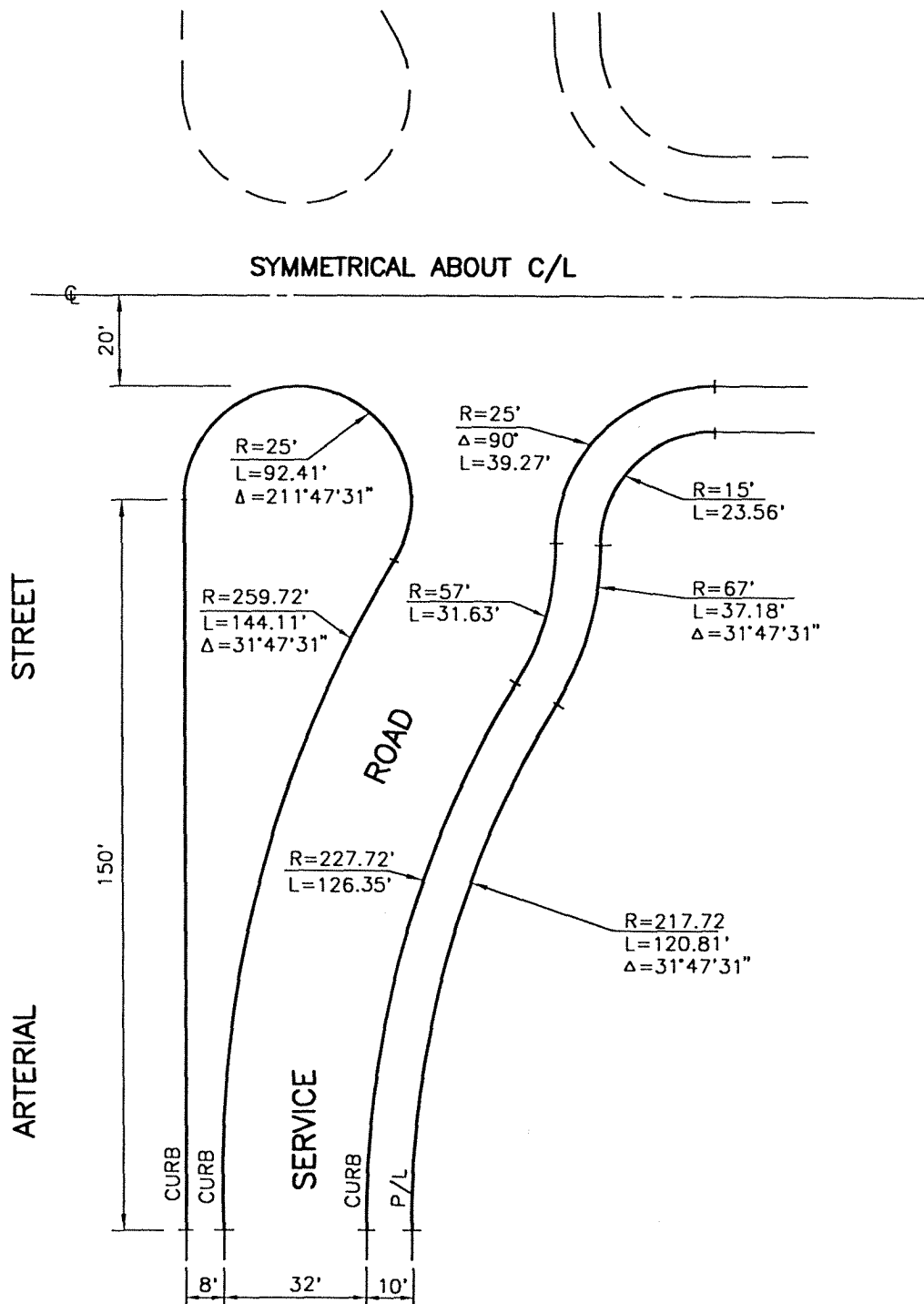
DATE

PLATE 102

SHEET 1 OF 1

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NOT FOR NEW DEVELOPMENT
ONLY FOR IMPROVING EXISTING CONNECTIONS



CITY OF

RESIDENTIAL SERVICE ROAD BULB CONNECTION

STANDARD PLAN
2002

DRAWN: STAFF

CKD.: STAFF **LB**

Department of Public Works

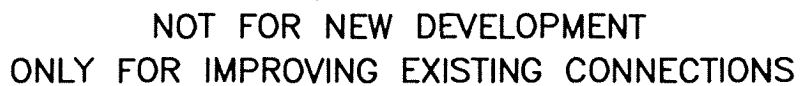
APPR.

Granville M. Bowman

PLATE 104

SHEET 1 OF 1

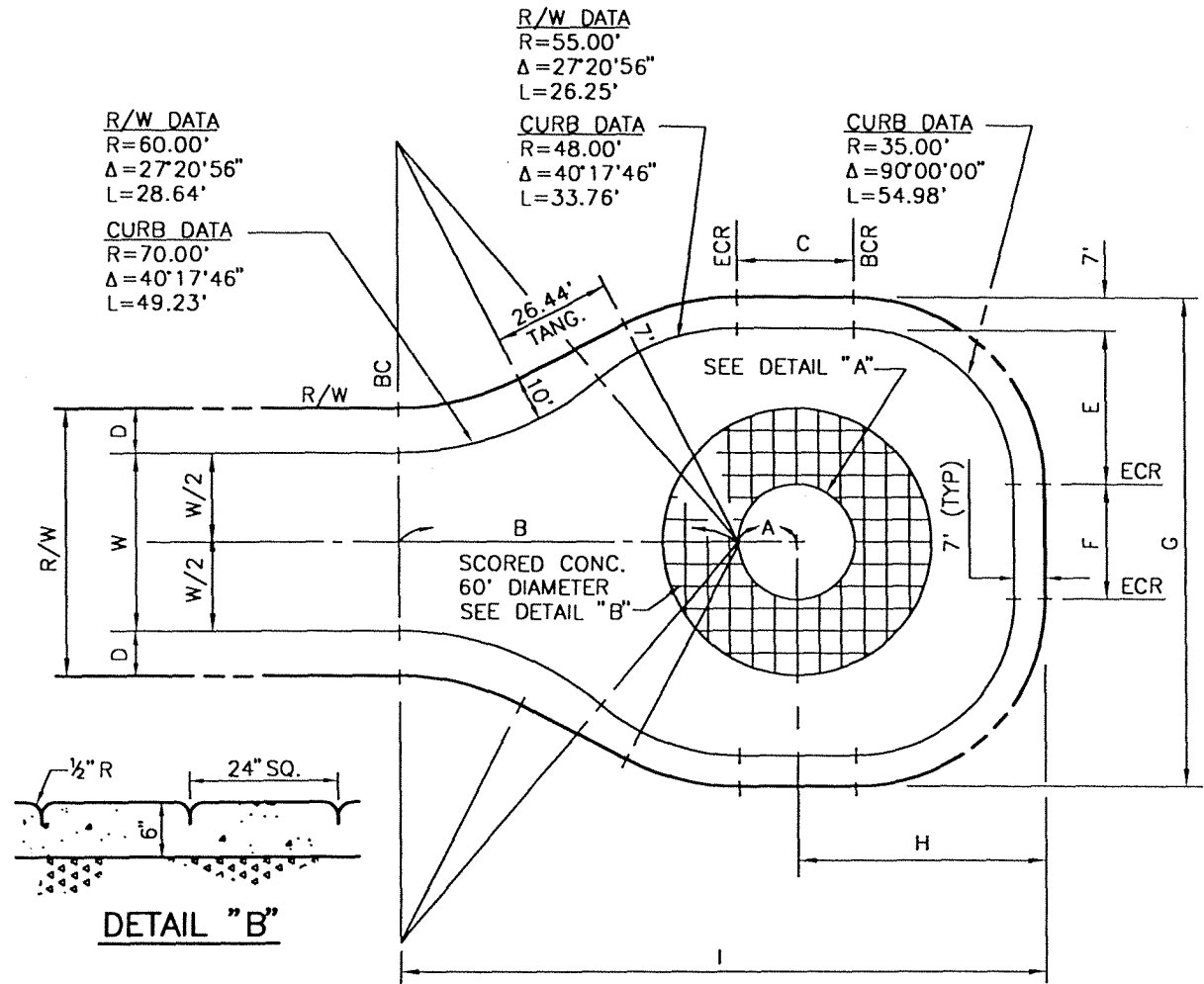
REV.	APPR. BY	DATE



543

REV.	APPR.	BY	DATE

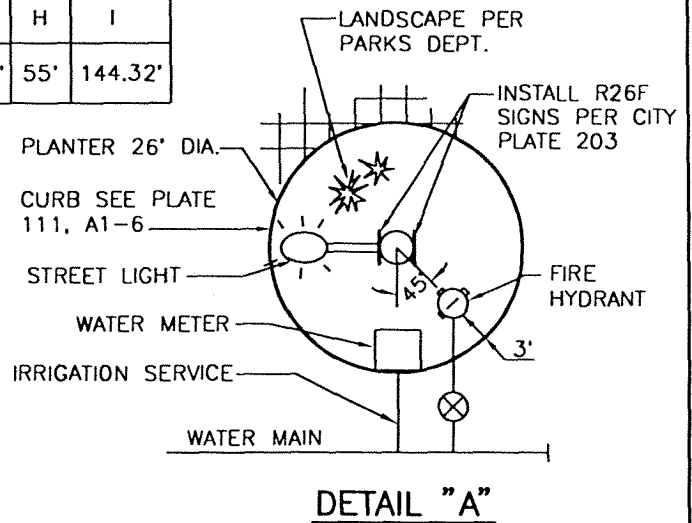
REV.	APPR.	BY	DATE



R/W	W/2	W	A	B	C	D	E	F	G	H	I
60'	20'	40'	13'	76.32'	26'	10'	35'	26'	110'	55'	144.32'

NOTES:

1. APPLY WEED KILLER AT ALL COLD JOINTS, BETWEEN ASPHALT & CURB AND CURB & SIDEWALK.
2. SIDEWALK AT ALL DRIVEWAYS MUST MEET DISABLED ACCESS REQUIREMENT OF 2% MAX. CROSSFALL.



CITY OF

RESIDENTIAL CUL-DE-SAC PADDLE TYPE

STANDARD PLAN
2002

DRAWN: STAFF

CKD.: STAFF *LB*

Department of Public Works

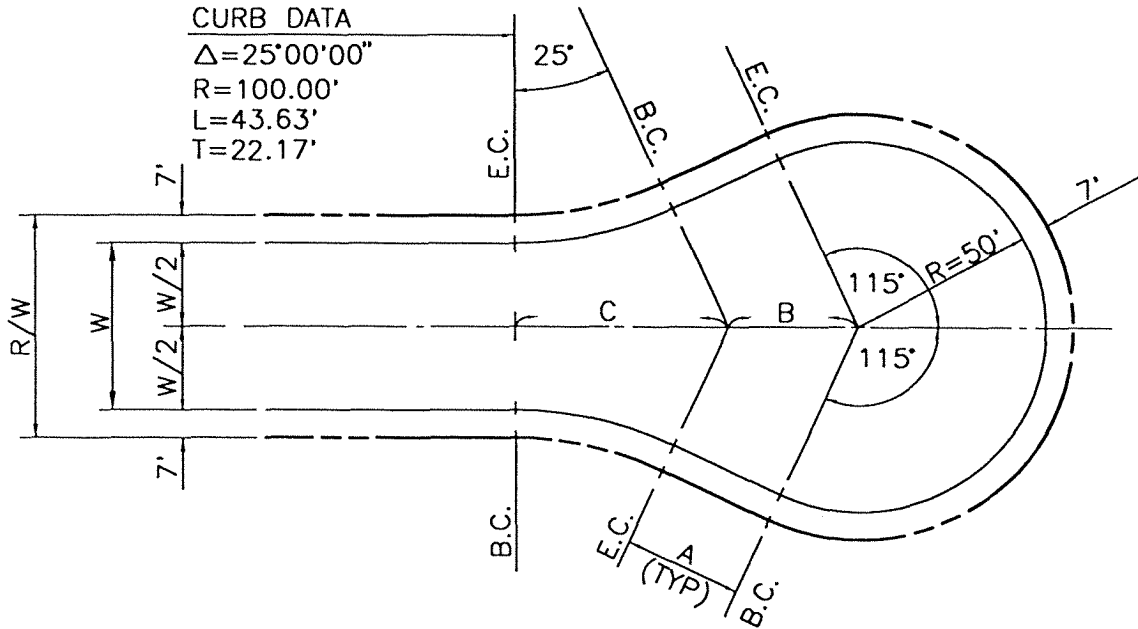
APPR.

Granville M. Bowman
Granville M. Bowman

PLATE 107

SHEET 1 OF 1

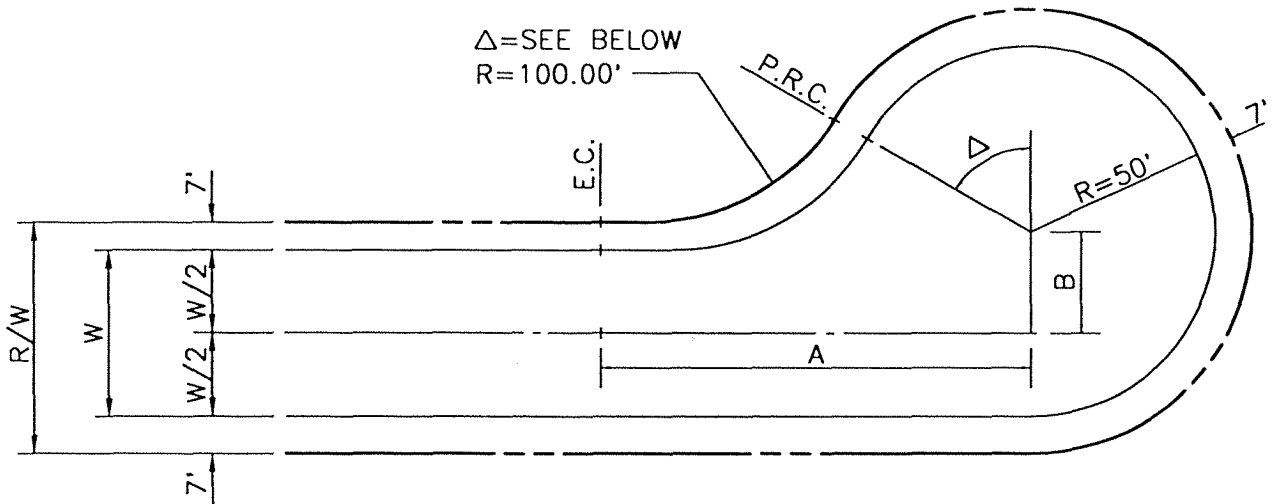
REV.	APPR.	BY	DATE



(a) SYMMETRICAL

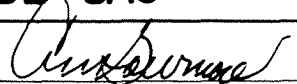
R/W	W	W/2	A	B	C
60'	46'	23'	30.63'	33.80'	57.36'
80'	66'	33'	6.98'	7.7'	62.02'

REV.	APPR.	BY	DATE



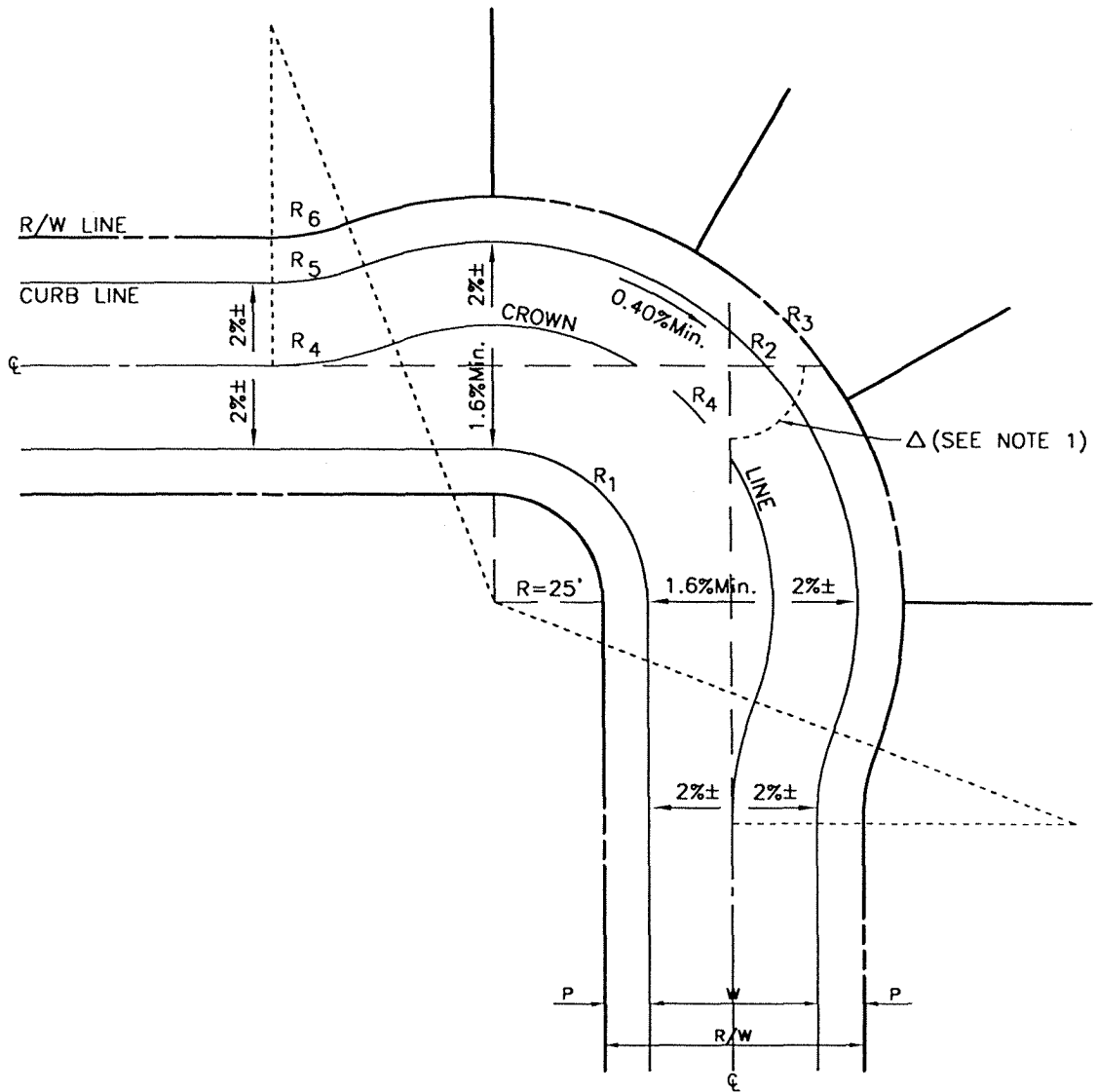
(b) UNSYMMETRICAL

R/W	W	W/2	A	B	Δ
60'	46'	23'	115.26'	27'	50°12'29"
80'	66'	33'	101.98'	23'	42°50'00"

	CITY OF Oxnard		INDUSTRIAL CUL-DE-SAC		STANDARD PLAN 2002
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	Department of Public Works				
PLATE 108					SHEET 1 OF 1

REV.	APPR.	BY	DATE

REV.	APPR.	BY	DATE



NOTE:

1. When Δ is less than 72° a smooth curve with a minimum radius conforming with the standards for the particular geometric section shall be used.
2. Sidewalk at all driveways must meet disabled access requirement of 2% max. crossfall.

R/W	W	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	P
60	40	35	80	90	60	40	30	10
49	36	35	78	84.5	60	42	35.5	6.5
45	32	35	76	82.5	60	44	37.5	6.5



CITY OF

KNUCKLE INTERSECTION

STANDARD PLAN
2002

DRAWN: STAFF

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Department of Public Works

APPR.

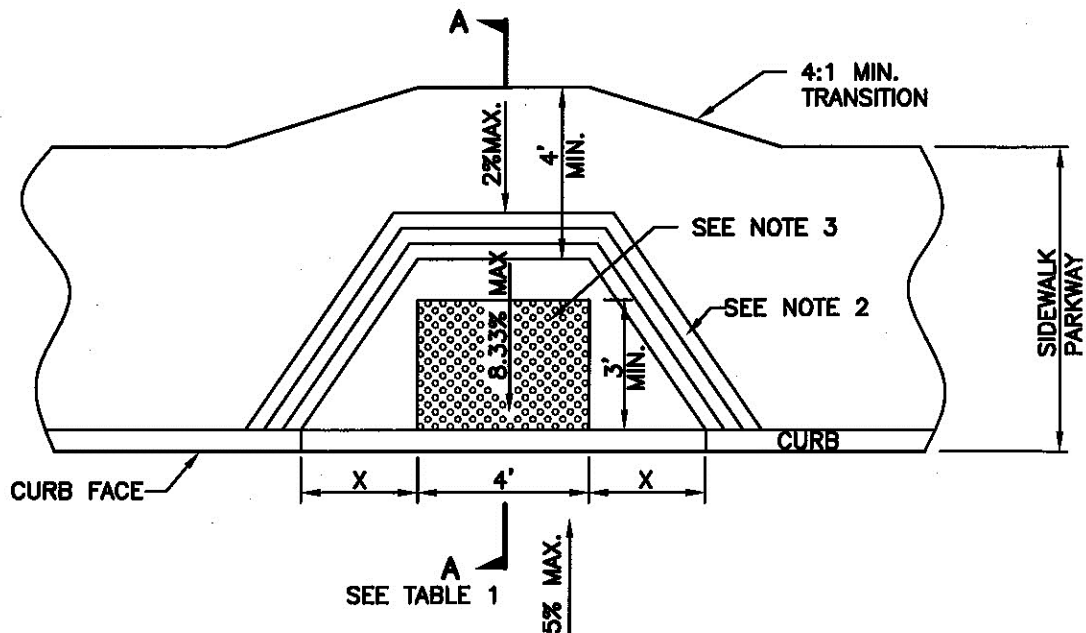
Granville M. Bowman
Granville M. Bowman

PLATE 109

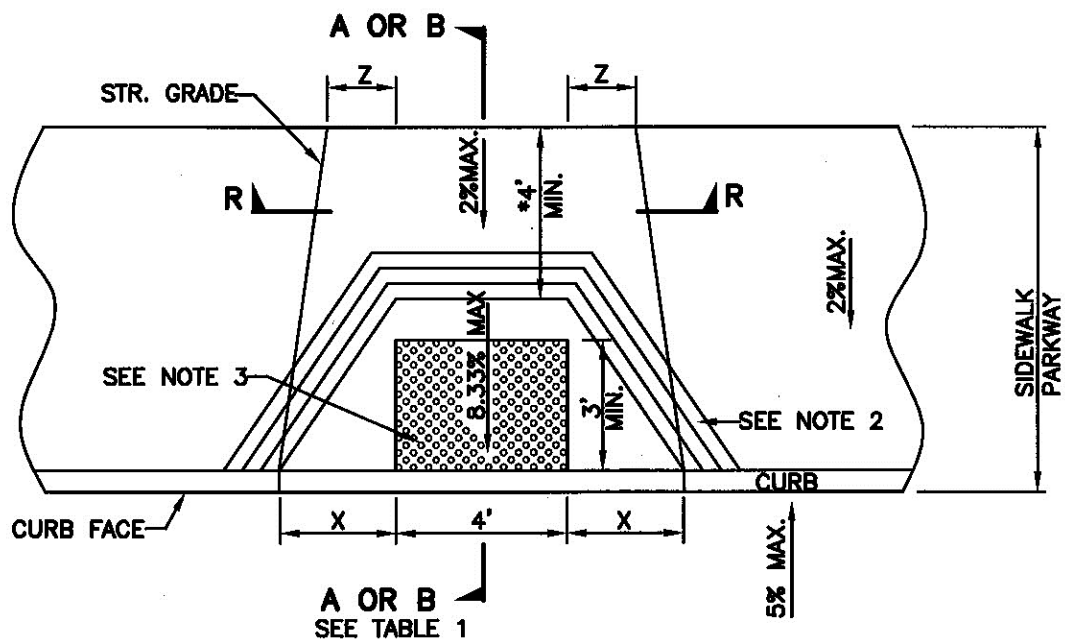
SHEET 1 OF 1

REV.	APPR. BY	DATE

REV.	APPR. BY	DATE
Δ	L. Balderrama	11-27-07
Δ	L. Balderrama	02-04-13



TYPE 1



TYPE 2

SEE TABLES 1 AND 2 FOR
X AND Z VALUES (SHT. 9)

*3' MIN. ALLOWED WHERE EXISTING
RIGHT-OF-WAY CONFLICTS

CASE A



CURB RAMP

STANDARD PLAN
2002

DRAWN: C. GIRON CKD.: P. WENDT

Department of Public Works

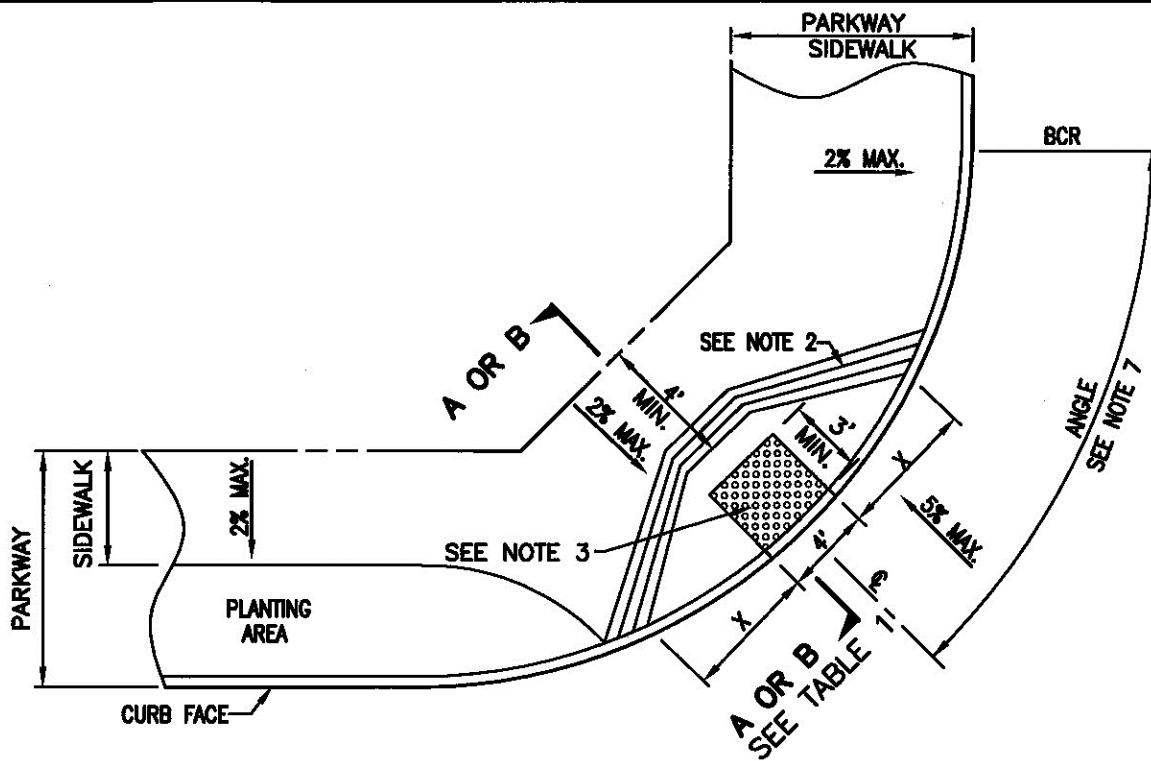
APPR. *[Signature]*
L. Balderrama, PE, City Engineer

PLATE 110

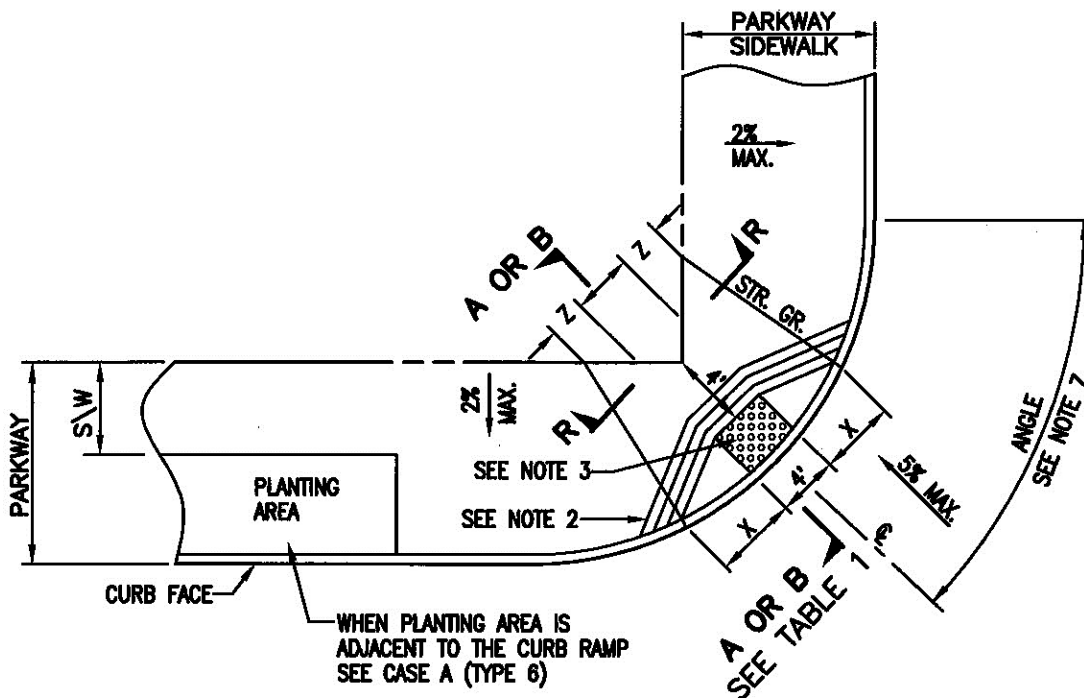
SHEET 1 OF 11

REV.	APPR. BY	DATE

REV.	APPR. BY	DATE



△ TYPE 3



TYPE 4

CASE A

SEE TABLES 1 AND 2 FOR
X AND Z VALUES (SHT. 9)

* 3' MIN. ALLOWED WHERE EXISTING
RIGHT-OF-WAY CONFLICTS



DRAWN: C. GIRON CKD.: P. WENDT
Department of Public Works

APPR. *[Signature]*
L. Balderrama, PE, City Engineer

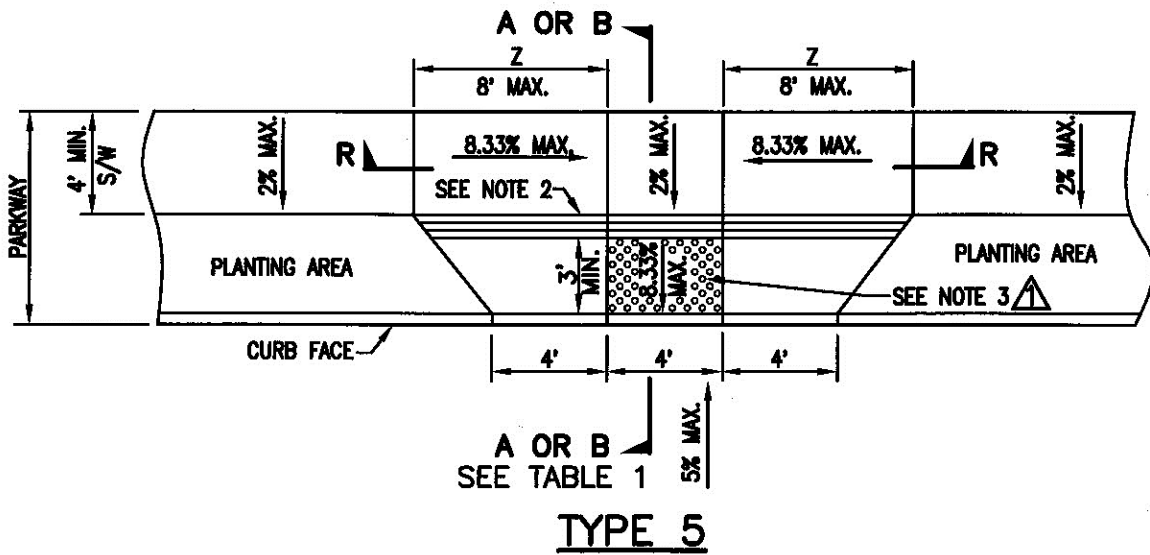
STANDARD PLAN
2002

PLATE 110

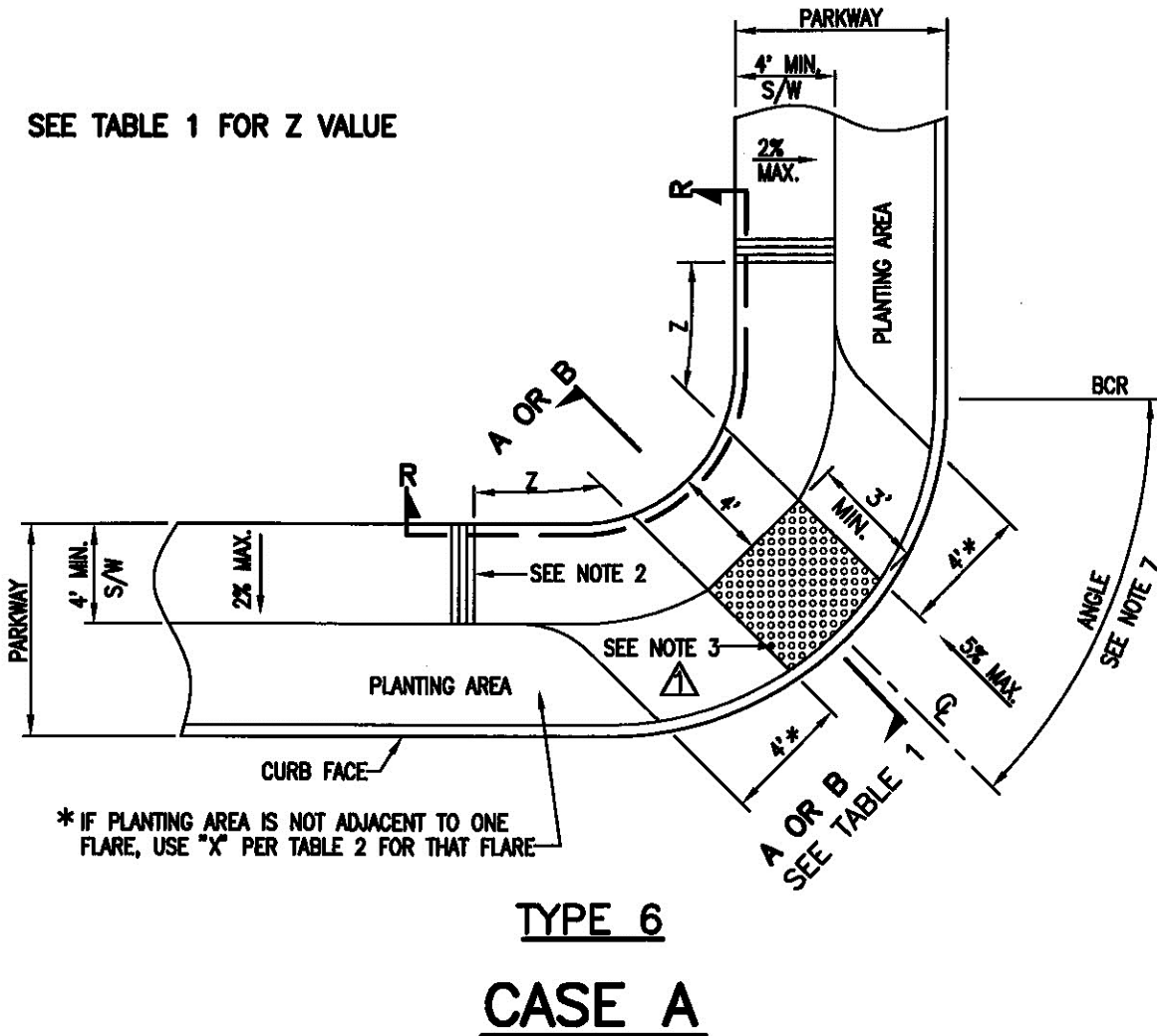
SHEET 2 OF 11

REV.	APPR. BY	DATE

REV.	APPR. BY	DATE
	L. Balderrama	11-27-07



SEE TABLE 1 FOR Z VALUE



* IF PLANTING AREA IS NOT ADJACENT TO ONE FLARE, USE "X" PER TABLE 2 FOR THAT FLARE



DRAWN: C. GIRON CKD.: P. WENDT
Department of Public Works

CURB RAMP

APPR. L. Balderrama, PE, City Engineer

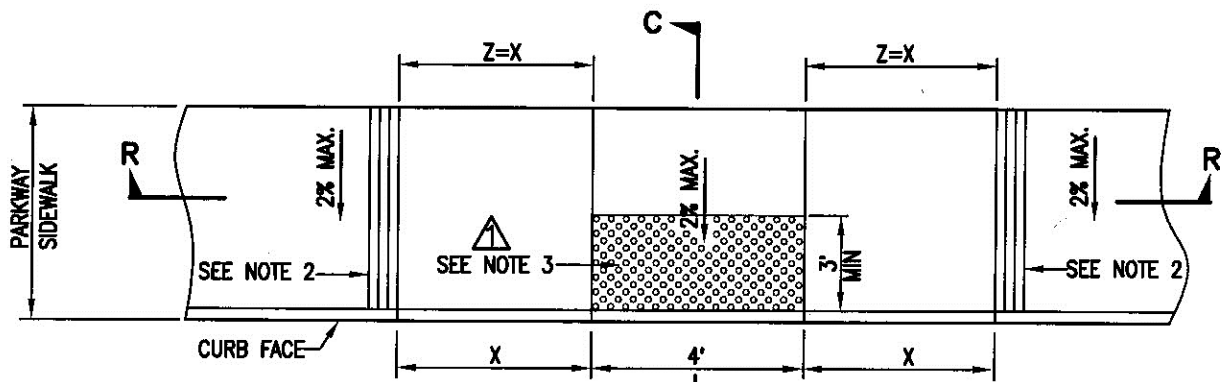
STANDARD PLAN
2002

PLATE 110

SHEET 3 OF 11

REV.	APPR. BY	DATE

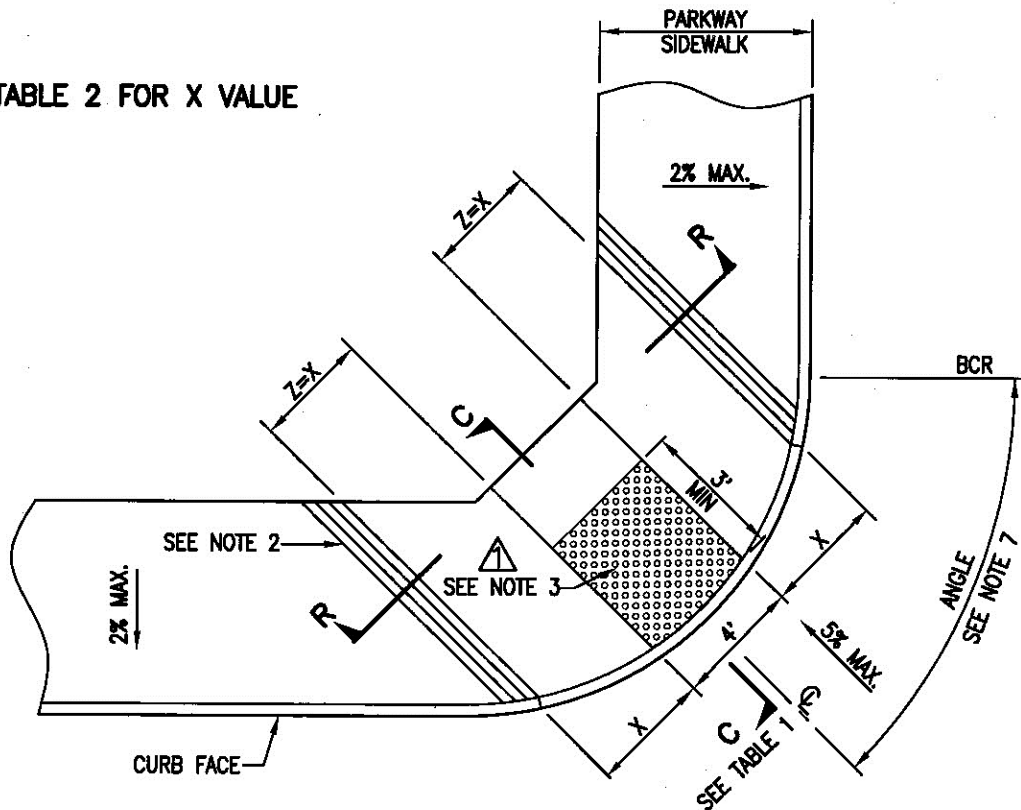
REV.	APPR. BY	DATE



SEE TABLE 1

TYPE 1

SEE TABLE 2 FOR X VALUE



TYPE 2

CASE B

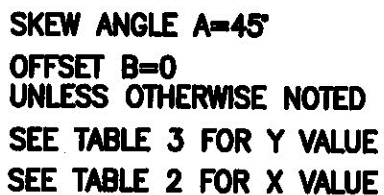


DRAWN: A. ROQUE CKD.:
Department of Public Works

APPR. *L. Balderrama*
L. Balderrama, PE, City Engineer

STANDARD PLAN
2002
PLATE 110
SHEET 4 OF 11

REV.	APPR. BY	DATE
Δ L	Balderrama	11-27-07
Δ L	Balderrama	02-04-13



CASE C



Department of Public Works

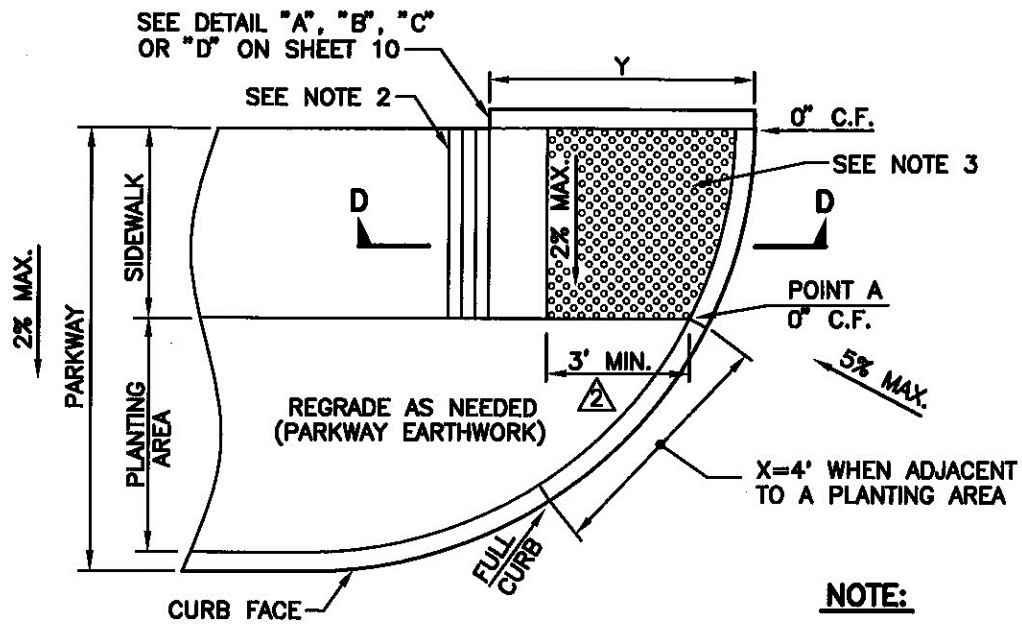
L. Balderrama, PE, City Engineer

PLATE 110

SHEET 5 OF 11

REV.	APPR.	BY	DATE

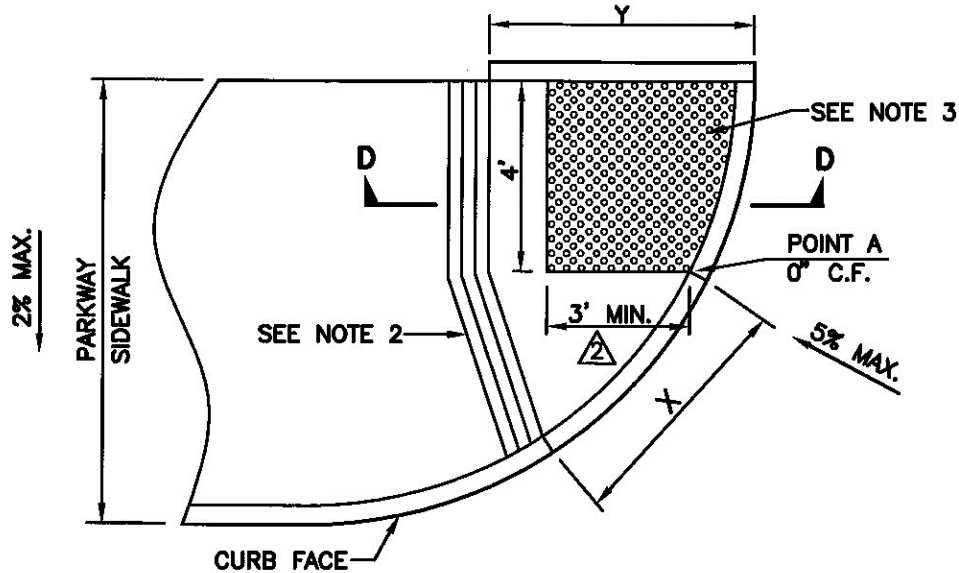
REV.	APPR.	BY	DATE
Δ	L. Balderrama	11-27-07	
Δ	L. Balderrama	02-04-13	



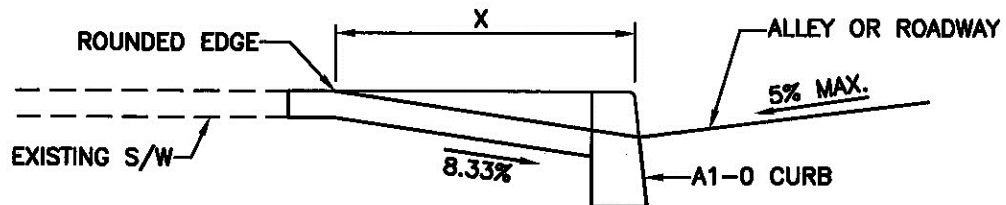
TYPE 1

NOTE:

USE CURB FACE AT POINT A TO DETERMINE X VALUE IN TABLE 2



TYPE 2



SECTION D-D

CASE D



CURB RAMP

DRAWN: C. GIRON CKD.: P. WENDT

Department of Public Works

APPR. *[Signature]*
L. Balderrama, PE, City Engineer

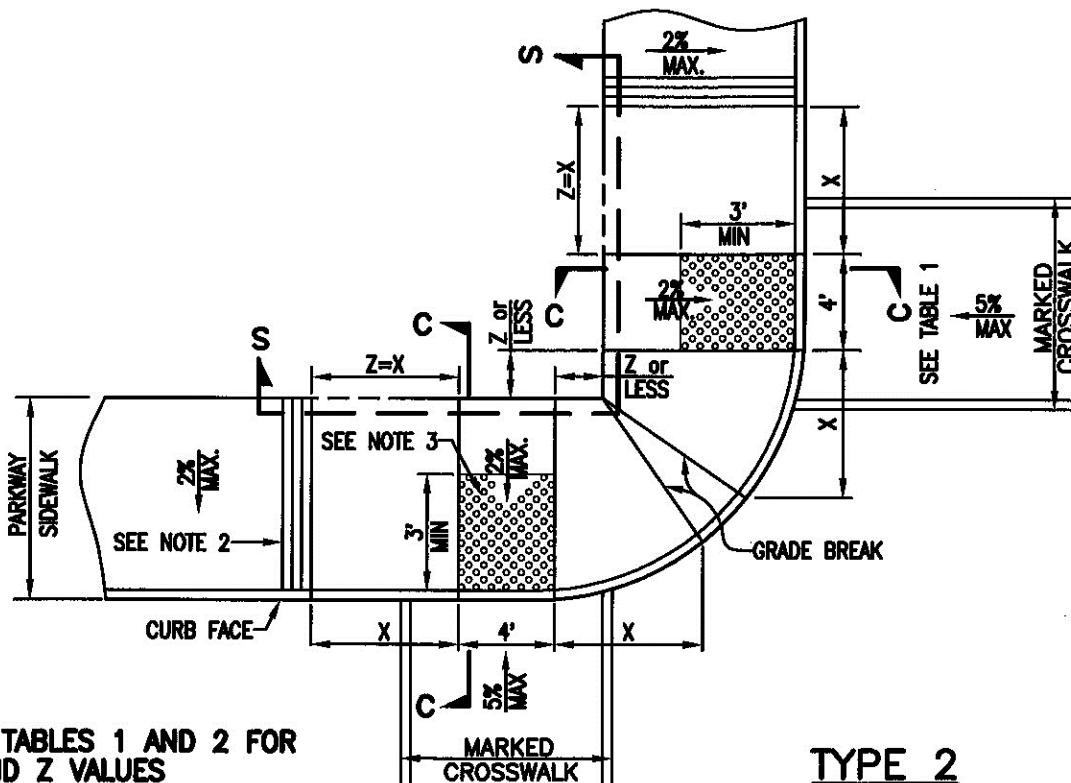
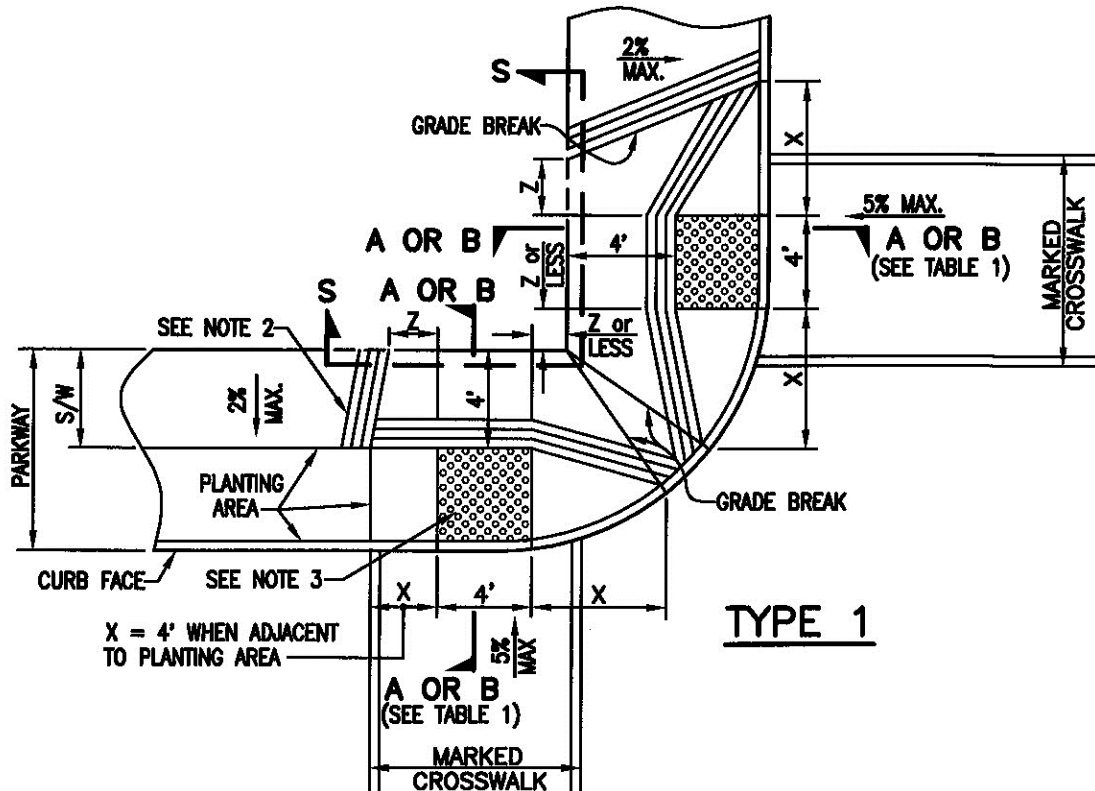
STANDARD PLAN
2002

PLATE 110

SHEET 6 OF 11

REV.	APPR. BY	DATE

REV.	APPR. BY	DATE



CASE E Δ



CURB RAMP

DRAWN: C. GIRON CKD.: P. WENDT

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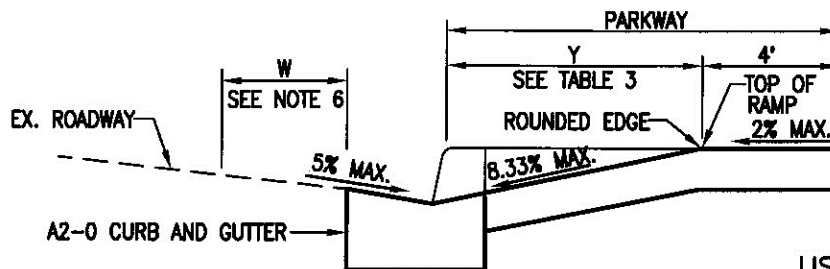
APPR.

L. Balderrama, PE, City Engineer

STANDARD PLAN
2002

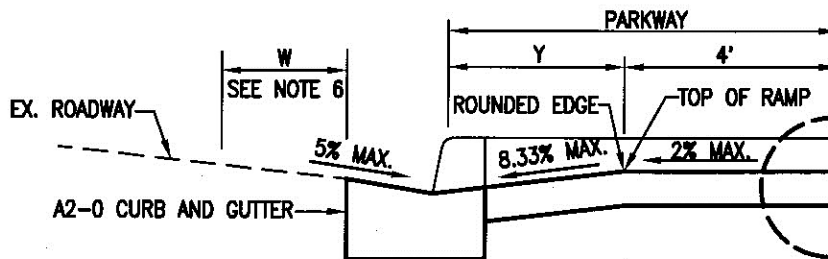
PLATE 110

SHEET 7 OF 11

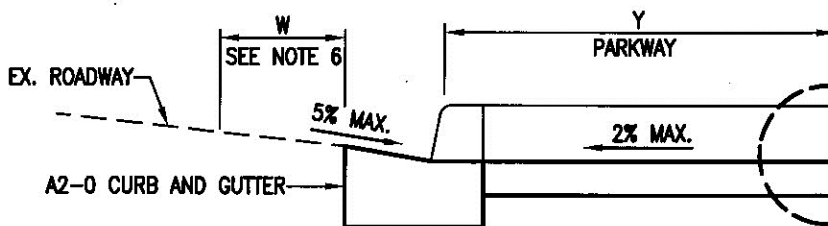


SECTION A-A

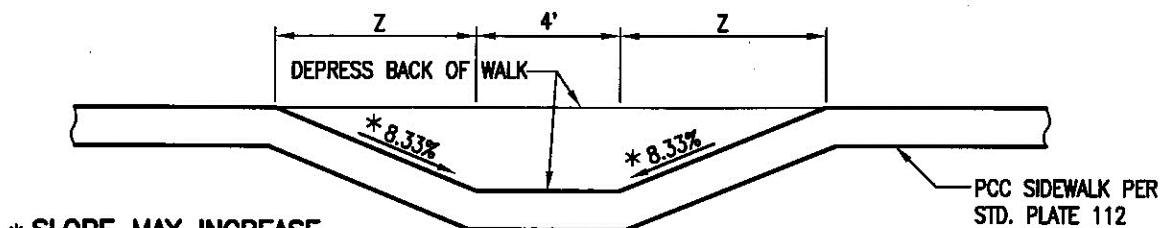
USE TABLE 1 TO DETERMINE WHICH OF SECTIONS A-A, B-B, OR C-C IS APPROPRIATE.



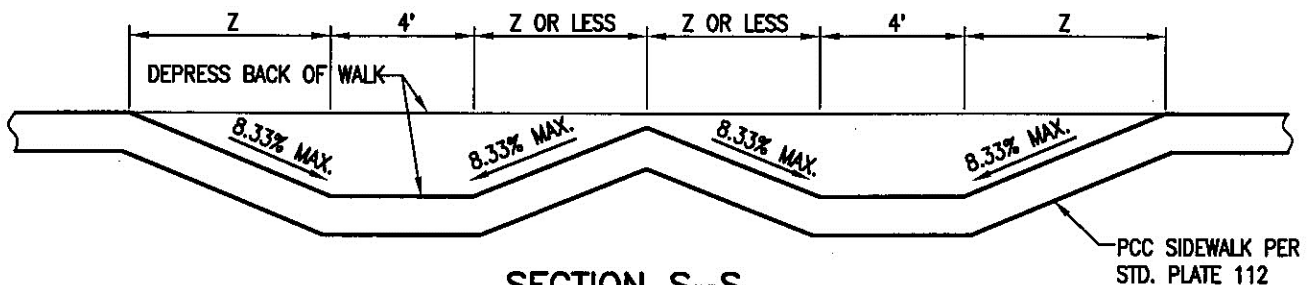
SECTION B-B



SECTION C-C



SECTION R-R



SECTION S-S



CURB RAMP

STANDARD PLAN
2002

DRAWN: A. ROQUE CKD.: _____

Department of Public Works

APPR. *L. Balderrama*
L. Balderrama, PE, City Engineer

PLATE 110

SHEET 8 OF 11

REV.	APPR. BY	DATE

REV.	APPR. BY	DATE
Δ	L. Balderrama	11-27-07
Δ	L. Balderrama	02-04-13

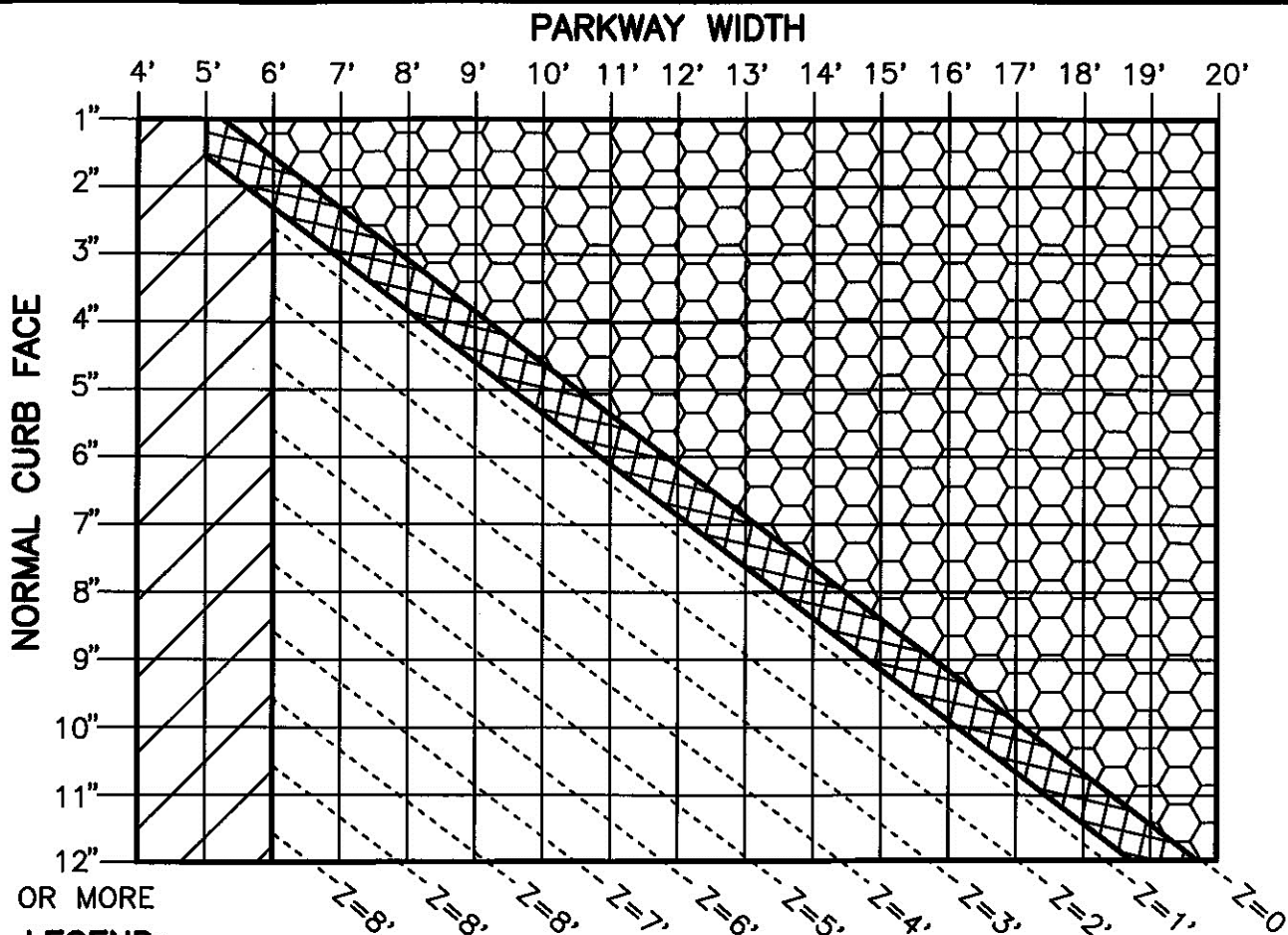


TABLE 1 – SECTION USAGE & Z VALUES

NORMAL CURB FACE	X
4" OR LESS	48"
5"	60"
6"	72"
7"	84"
8"	96"
9"	108"
10"	120"
11"	132"
12"	144"

TABLE 2

NORMAL CURB FACE	SECTION A-A Y
2" OR LESS	32"
3"	47"
4"	63"
5"	79"
6"	95"
7"	111"
8"	126"
9"	142"
10"	158"
11"	174"
12" OR MORE	190"

TABLE 3



CURB RAMP

DRAWN: C. GIRON CKD.: P. WENDT

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APPR.

L. Balderrama, PE, City Engineer

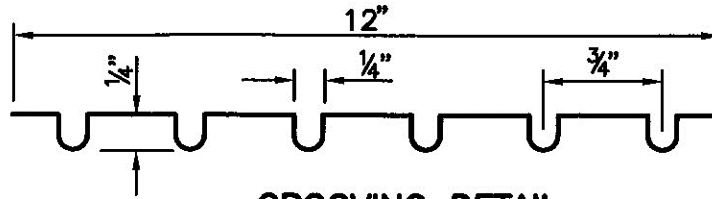
STANDARD PLAN
2002

PLATE 110

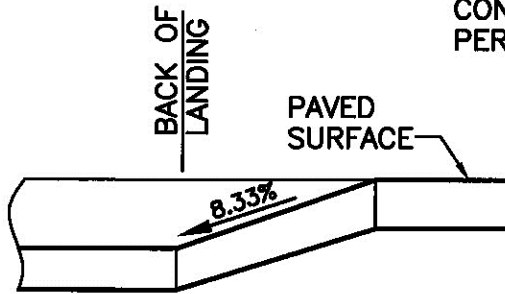
SHEET 9 OF 11

REV.	APPR. BY	DATE

REV.	APPR. BY	DATE

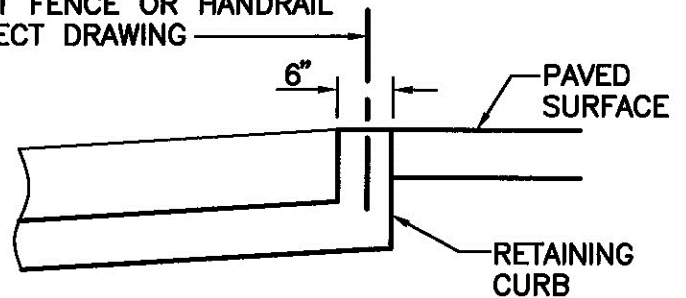


GROOVING DETAIL

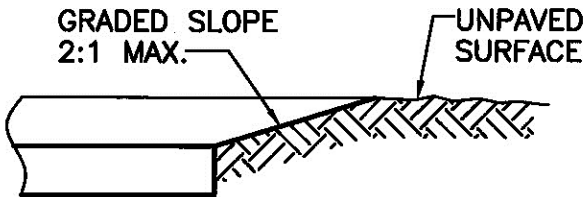


DETAIL "A"

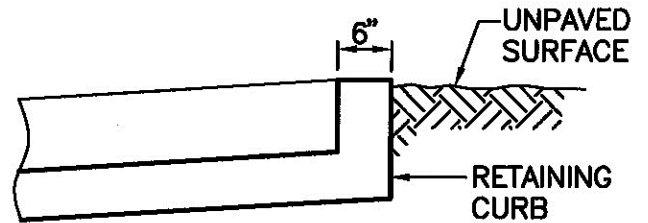
CONSTRUCT FENCE OR HANDRAIL
PER PROJECT DRAWING



DETAIL "B"



DETAIL "C"



DETAIL "D"

2 DELETED TRUNCATED DOME DETECTABLE WARNING SURFACE DETAIL



CURB RAMP

STANDARD PLAN
2002

DRAWN: C. GIRON CKD.: P. WENDT

Department of Public Works

APPR. *[Signature]*
L. Balderrama, PE, City Engineer

PLATE 110

SHEET 10 OF 11

GENERAL NOTES:

- ③ 1. CONCRETE SHALL BE CLASS 310-C-17 (520-C-2500) AND SHALL BE 4" THICK.
2. THE RAMP SHALL HAVE A 12" WIDE BORDER WITH 1/4" GROOVES APPROXIMATELY 3/4" O.C. SEE GROOVING DETAIL.
- ③ 3. CURB RAMPS WITHIN THE PUBLIC RIGHT-OF-WAY OR IN A PUBLIC SIDEWALK EASEMENT SHALL HAVE A DETECTABLE WARNING THAT EXTENDS 36" MINIMUM IN THE DIRECTION OF TRAVEL FOR THE FULL WIDTH OF THE CURB RAMP, EXCLUDING THE FLARED SIDES. DETECTABLE WARNING SURFACE FOR RAMPS OUTSIDE OF PUBLIC RIGHT-OF-WAY OR PUBLIC SIDEWALK EASEMENT SHALL COMPLY WITH THE CALIFORNIA BUILDING CODE. DETECTABLE WARNING SURFACE SHALL BE ARMOR-TILE TACTILE SYSTEMS PRODUCT (CAST-IN-PLACE), FEDERAL YELLOW IN COLOR OR APPROVED EQUAL.
4. USE DETAIL "A" OR "B" IF EXISTING SURFACE BEHIND RIGHT OF WAY IS PAVED.
5. USE DETAIL "C" OR "D" IF EXISTING SURFACE BEHIND RIGHT OF WAY IS UNPAVED.
6. W = 3' UNLESS OTHERWISE SHOWN ON PLAN. THIS AREA MAY NOT EXCEED 5% LONGITUDINAL SLOPE.
7. ANGLE = $\Delta/2$ UNLESS OTHERWISE SHOWN ON PLAN.

REV.	APPR. BY	DATE
③	L. Balderrama	02-04-13

REV.	APPR. BY	DATE
③	L. Balderrama	11-27-07
③	L. Balderrama	08-10-10



CURB RAMP

STANDARD PLAN
2002

DRAWN: C. GIRON CKD.: P. WENDT

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APPR.

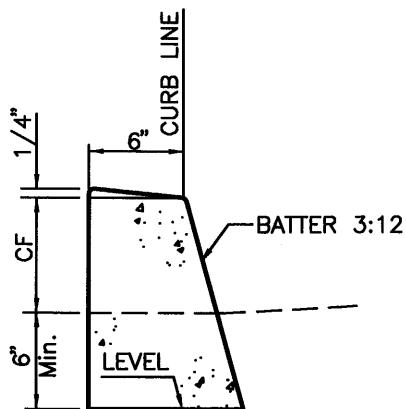
L. Balderrama, PE, City Engineer

PLATE 110

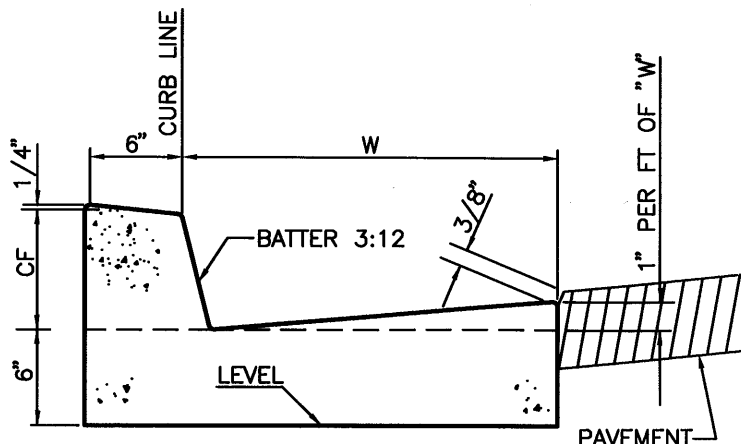
SHEET 11 OF 11

REV.	APPR. BY	DATE

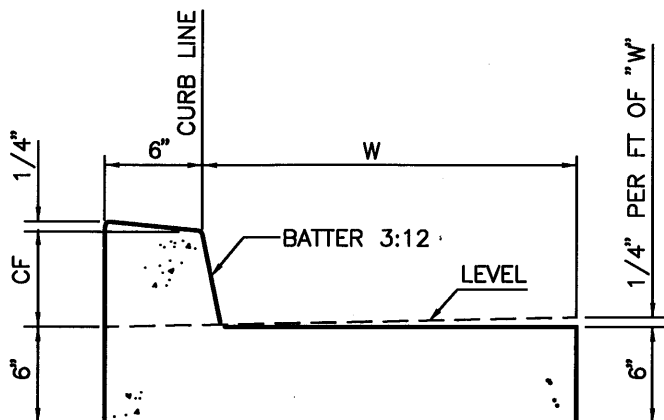
REV.	APPR. BY	DATE
	L. Balderrama	09/10/10



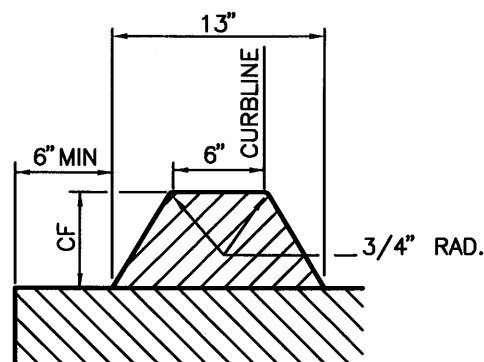
A1-6 (6" CF)
AND
A1-8 (8" CF)



A2-6 (6" CF) AND A2-8 (8" CF)



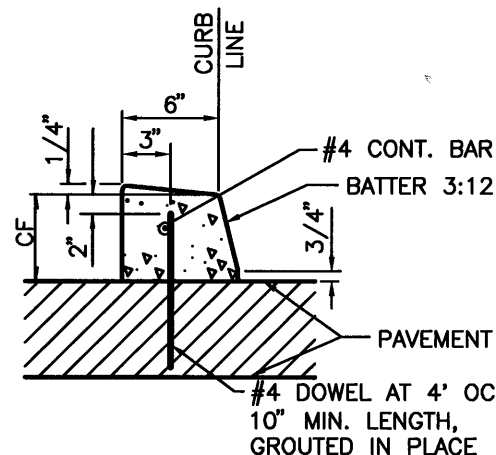
A3-6 (6" CF) AND A3-8 (8" CF)



D1-6 (6" CF)
AND
D1-8 (8" CF)

NOTES:

1. ALL DIMENSIONS ARE MEASURED IN INCHES.
2. "CF" IS THE LAST NUMBER IN THE DESIGNATION.
3. W=18" FOR 6" C.F. & 24" FOR 8" C.F.
4. TYPES A1, A2, A3, AND C1 ARE CONSTRUCTED OF PORTLAND CEMENT CONCRETE CLASS 520-C-2500 WITH 2LBS OF 3/4" LONG POLYPROPYLENE FIBERS PER CUBIC YARD.
5. TYPE D1 IS CONSTRUCTED OF ASPHALT CONCRETE.
6. TYPE C1 CURB SHALL BE ANCHORED WITH DOWELS AS SHOWN OR WITH AN EPOXY APPROVED BY THE ENGINEER.
7. GRADE SHALL BE MEASURED AT CURB LINE AT TOP OF CURB.
8. ALL EXPOSED CORNERS ON PCC CURBS AND GUTTERS TO BE ROUNDED WITH A 1/2" RADIUS.
9. WHEN SOILS EXPANSION INDEX IS $\geq 5\%$, PLACE 4" THICK SAND OR BASE UNDER CONCRETE CURB AND GUTTER EXTENDING 12" BEHIND CURB.
10. ALL CURBS SHALL HAVE A 1" DEEP WEAKENED PLANE JOINT AT 10' INTERVALS. FULL DEPTH EXPANSION JOINTS SHALL BE INSTALLED AT ALL B.C.'S, E.C.'S, D/W'S RECTANGULAR CORNERS AND AT 60' INTERVAL PER PLATE 112.



C1-6 (6" CF)
AND
C1-8 (8" CF)



CONC. CURB, CURB & GUTTER, A.C. BERM

DRAWN: A. ROQUE CKD.: HUNG LE

Department of Public Works

APPR. L. Balderrama, PE, City Engineer

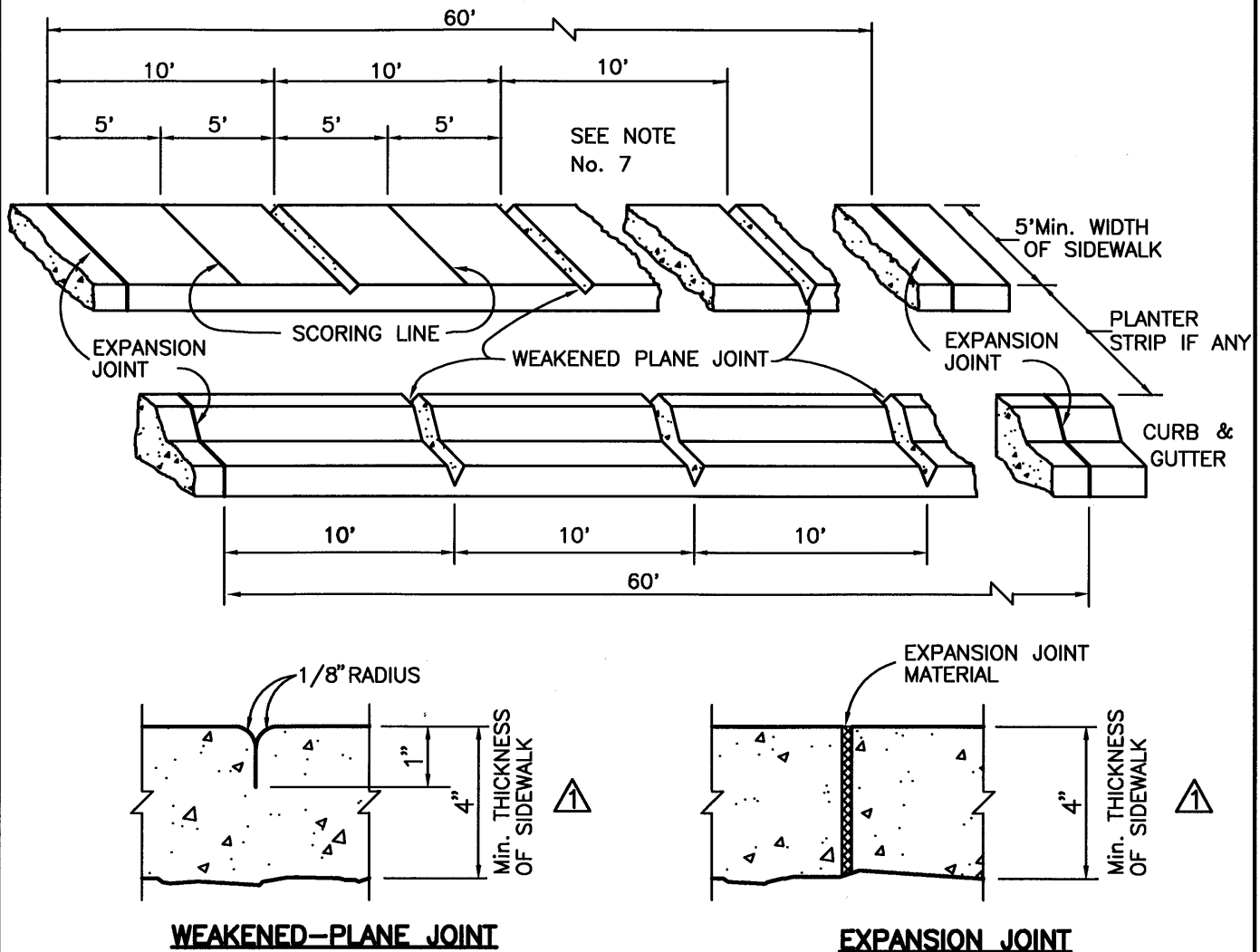
STANDARD PLAN
2002

PLATE 111

SHEET 1 OF 1

REV.	APPR. BY	DATE

REV.	APPR. BY	DATE
	L. Balderrama	09/10/10



NOTES:

1. CONCRETE FOR SIDEWALK SHALL BE 520-C-2500 WITH 2LBS OF 3/4" LONG POLYPROPYLENE FIBERS PER CUBIC YARD, WITH 4" MAX. SLUMP. SELF HAUL NOT PERMITTED.
2. CONCRETE SIDEWALK SHALL HAVE A MIN. WIDTH OF 5' AND MIN. THICKNESS OF 4".
3. EXPANSION JOINTS SHALL BE MADE AT B.C. AND E.C. OF ALL RETURNS, AT THE OUTER EDGES OF DRIVEWAYS INCLUDING "X" DISTANCES, AND AT UNIFORM INTERVALS AS SHOWN ON PLATE 113 OR AS DIRECTED BY INSPECTOR.
4. WEAKENED PLANE JOINT, ONE INCH DEEP, SHALL BE CONSTRUCTED AT EQUAL SPACING BETWEEN EXPANSION JOINTS IN WALKS AND GUTTERS.
5. WEAKENED PLANE JOINTS IN THE CURB AND GUTTER SHALL ALIGN WITH CORRESPONDING JOINTS IN THE WALK.
6. LONGITUDINAL SCORING LINES WILL BE REQUIRED IN WALKS 10 FEET OR WIDER.
7. WEAKENED PLANE JOINTS IN SIDEWALK SHALL BE CONSTRUCTED WITH DEEP GROOVING TOOL. MINIMUM 1" DEEP.
8. WHEN SOILS EXPANSION INDEX IS $\geq 5\%$, PLACE 4" THICK SAND OR BASE UNDER CONCRETE CURB AND GUTTER EXTENDING 12" BEHIND CURB AND UNDER SIDEWALK.
9. WEED KILLER SHALL BE APPLIED AT ALL COLD JOINTS AND STOP 6' SHORT OF TREE DRIP LINE.



CONCRETE SIDEWALK (WEAKENED PLANE JOINTS, EXPANSION JOINTS, AND SCORING LINES-TYPICAL SPACING)

DRAWN: STAFF

CKD.: STAFF

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L. Balderrama, PE, City Engineer

STANDARD PLAN
2002

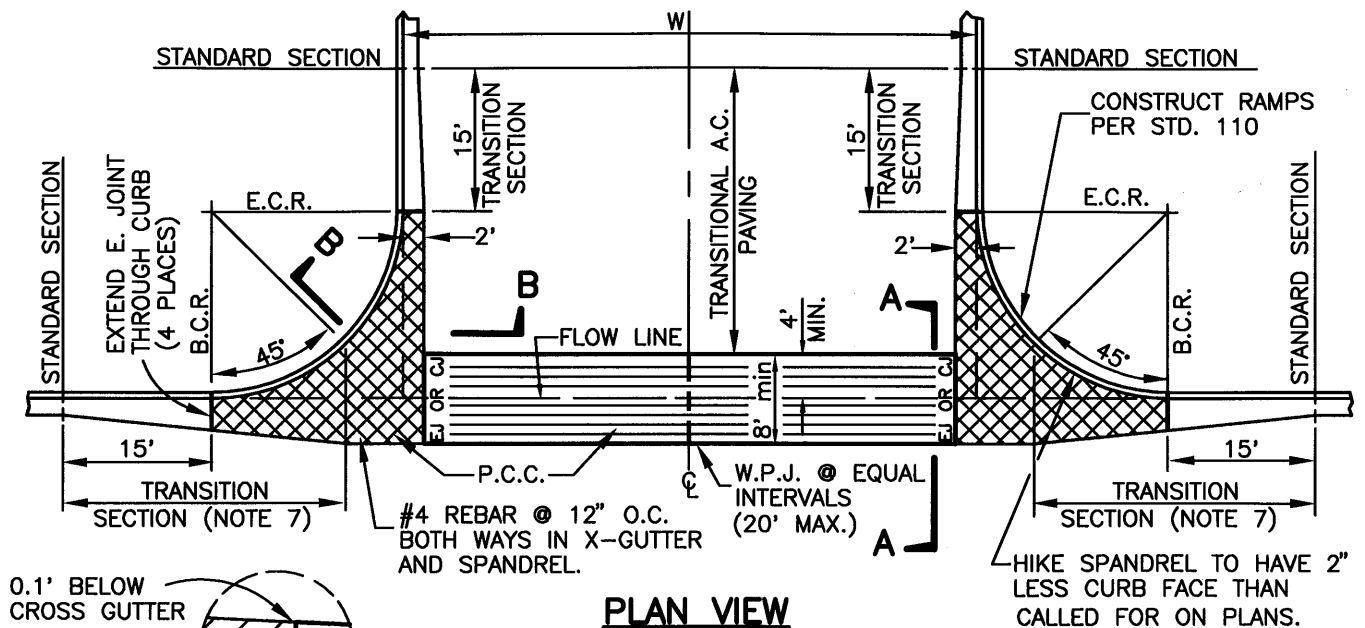
PLATE 112

SHEET 1 OF 1

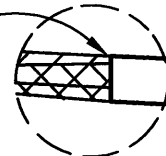
REV.	APPR. BY	DATE

REV.	APPR. BY	DATE

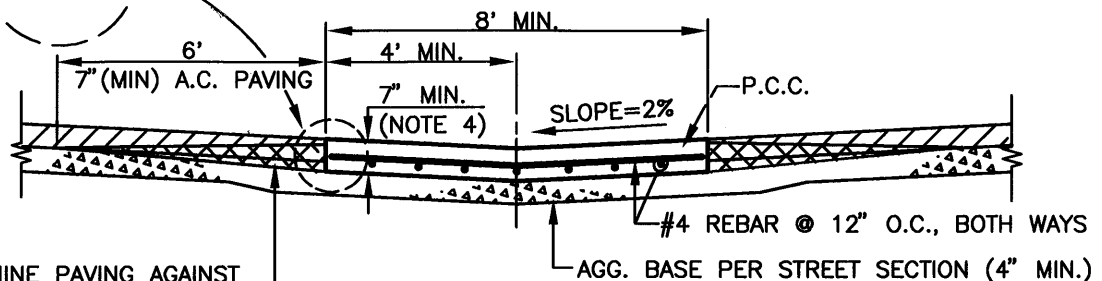
REV.	APPR. BY	DATE



0.1' BELOW
CROSS GUTTER

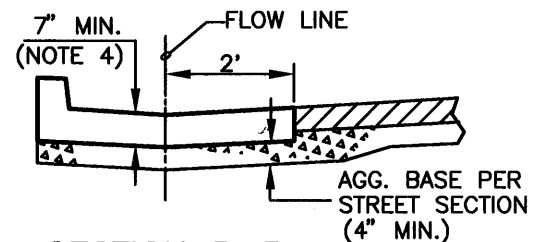


PLAN VIEW



PRIOR TO MACHINE PAVING AGAINST PCC X-GUTTER, A WEDGE OF AC 6' IN WIDTH MUST BE PLACED BY HAND, AS INDICATED, TO PREVENT MACHINE DAMAGE TO GUTTER, (BOTH SIDES). TACK EDGES OF X-GUTTER WITH TACK COAT SS-1H. AC WEDGE TO BE PLACED 7 DAYS AFTER X-GUTTER HAS BEEN POURED.

SECTION A-A



SECTION B-B

NOTES:

1. AGGREGATE BASE REQUIRED UNDER CROSS GUTTER BEGINNING AT B.C.R. & E.C.R. & UNDER SPANDREL.
2. ——— INDICATES COLD JOINT (CJ) OR EXPANSION JOINT (EJ).
3. - - - - INDICATES WEAKENED PLANE JOINT 2" DEEP TO BE PLACED WHEN W IS GREATER THAN 20'.
4. CROSS GUTTER & SPANDRELS THICKNESS SHALL BE 8" FOR CROSS GUTTER WIDTH OF 16', 18', AND 20'.
5. STEEL REINFORCING SHALL BE #4 BARS AT 12" O.C. BOTH WAYS IN CROSS GUTTER & SPANDRELS.
6. CROSS SLOPE OF CROSS GUTTER TO FLOW LINE SHALL BE 2%.
7. TRANSITION SECTION SHALL BE INCREASED BY 2' FOR 2' INCREMENTS FOR CROSS GUTTER WIDER THAN 8'.
8. CONSOLIDATE CONCRETE USING A VIBRATOR.
9. ALL CONCRETE SHALL BE CLASS 520-A-2500 WITH 2LBS OF 3/4" LONG POLYPROPYLENE FIBERS PER CUBIC YARD.



CROSS GUTTER & SPANDREL

DRAWN: STAFF CKD.: STAFF

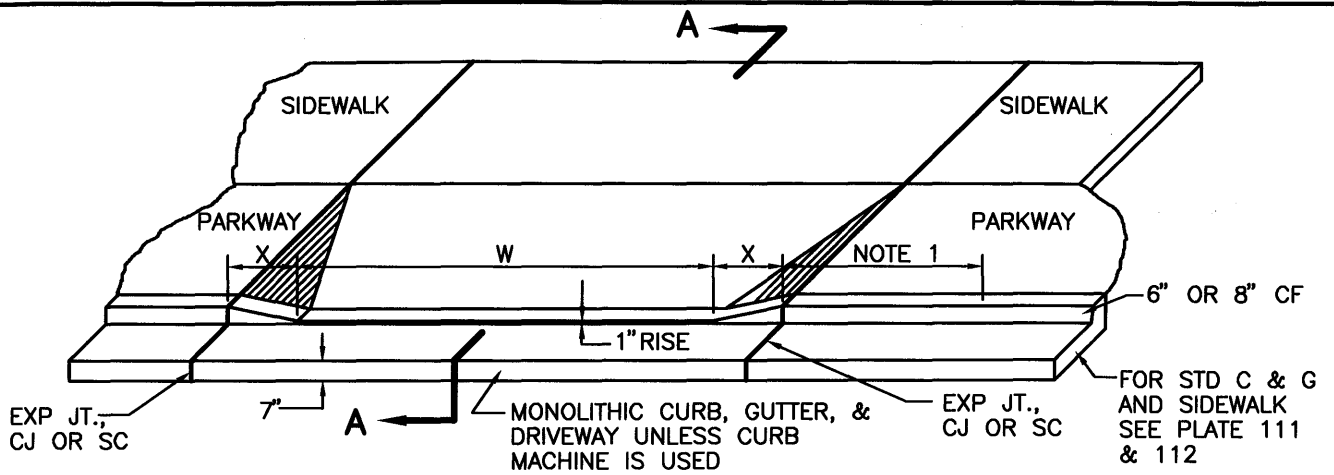
Department of Public Works

APPR. *L. Balderrama*
L. Balderrama, PE, City Engineer

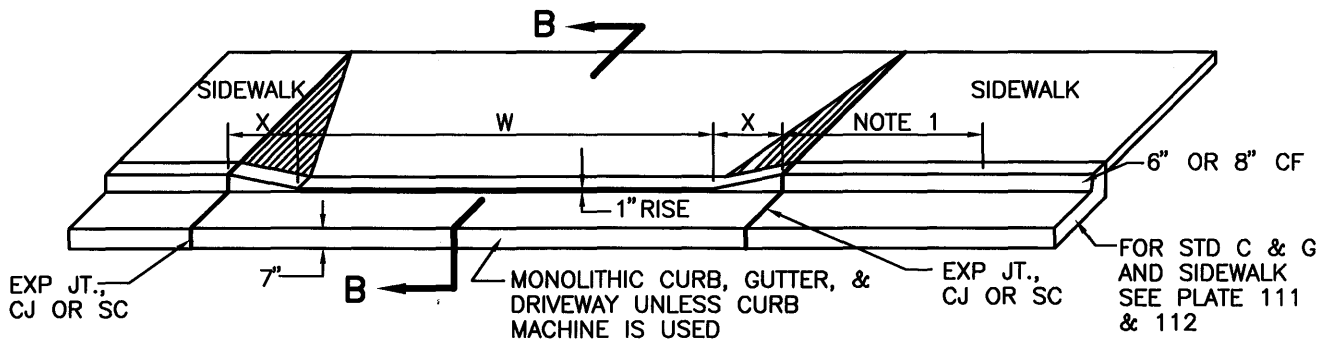
STANDARD PLAN
2002

PLATE 114

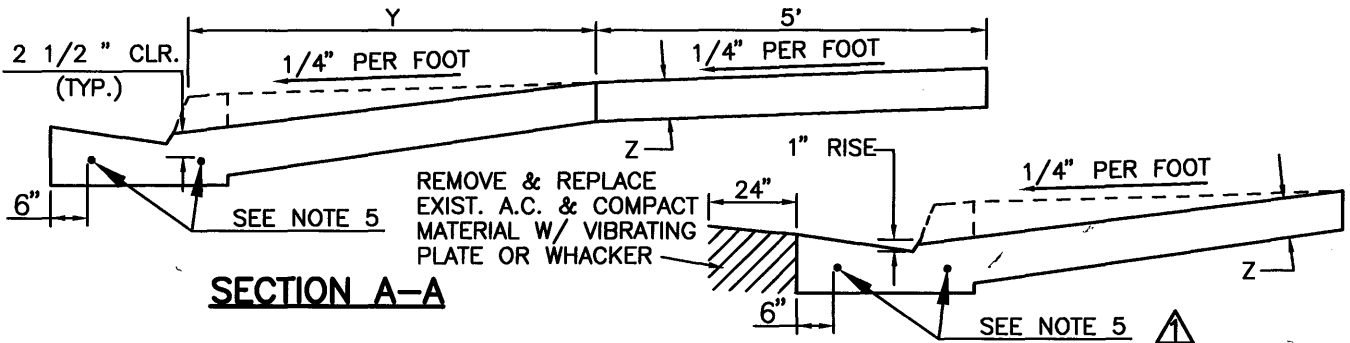
SHEET 1 OF 1



SIDEWALK AND CURB NOT ADJACENT



SIDEWALK AND CURB ADJACENT



EXP J = EXPANSION JOINT; CJ = COLD JOINT; SC = SAW CUT.

W = SEE PLATE 115 SHEET 2

X = 3' WHEN CURB HEIGHT IS OVER 6" AND 2' WHEN CURB HEIGHT IS 6" OR LESS.

Z = 6" FOR SINGLE FAMILY RESIDENTIAL, 8" FOR MULTI-FAMILY RESIDENTIAL, AND 8" WITH #4 REBAR 12" O.C. BOTH WAYS FOR COMMERCIAL WITH PRIOR APPROVAL ONLY.

Y = 5' MIN. (IF Y < 5' USE SECTION B-B)

NOTES:

1. MUST BE A MINIMUM OF 5' FROM STREET LIGHT, FIRE HYDRANT OR BEGINNING OF CURB RETURN MEASURED FROM END OF "X". MUST BE MINIMUM OF 3' FROM PROPERTY LINE. MUST BE A MINIMUM OF 20' OF FULL CURB BETWEEN DRIVEWAYS ON THE SAME LOT.
2. THE CURB AND GUTTER SHALL BE SAWED AT THE NEAREST SCORE MARK.
3. ALL CONCRETE SHALL BE 520-C-2500 WITH 2LBS OF 3/4" LONG POLYPROPYLENE FIBERS PER CUBIC YARD.
4. ALL DRIVEWAYS SHALL INCLUDE AN A.D.A. COMPLIANT PATHWAY.
5. WHEN DEPRESSED CURB & GUTTER NOT POURED MONOLITHIC WITH DRIVEWAY, INSTALL 2-#4 REBARS FULL LENGTH FROM EXPANSION JOINT TO EXPANSION JOINT.



RESIDENTIAL DRIVEWAYS

DRAWN: A. ROQUE CKD.: HUNG LE

Department of Public Works

APPR.

L. Balderrama
L. Balderrama, PE, City Engineer

STANDARD PLAN
2002

PLATE 115

SHEET 1 OF 2

REV. APPR. BY DATE

REV. APPR. BY DATE

L. Balderrama 09/10/10

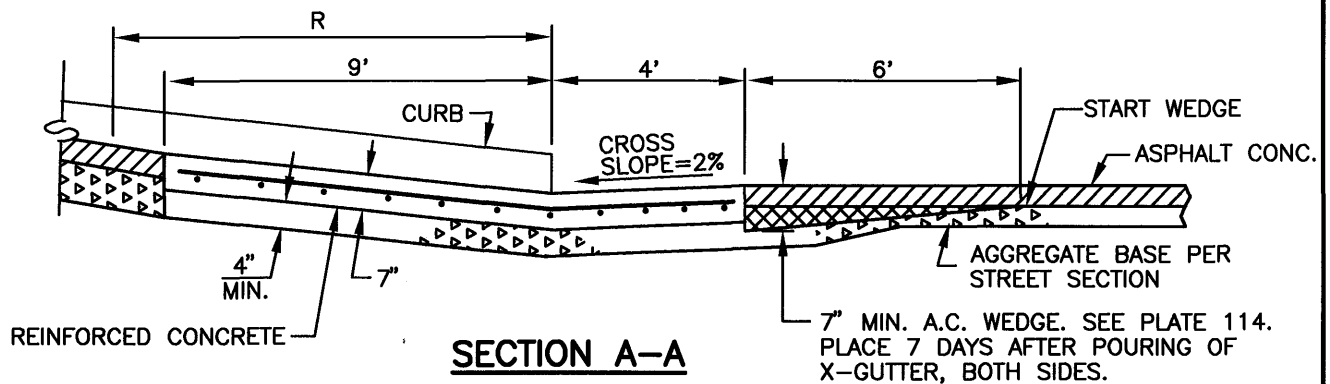
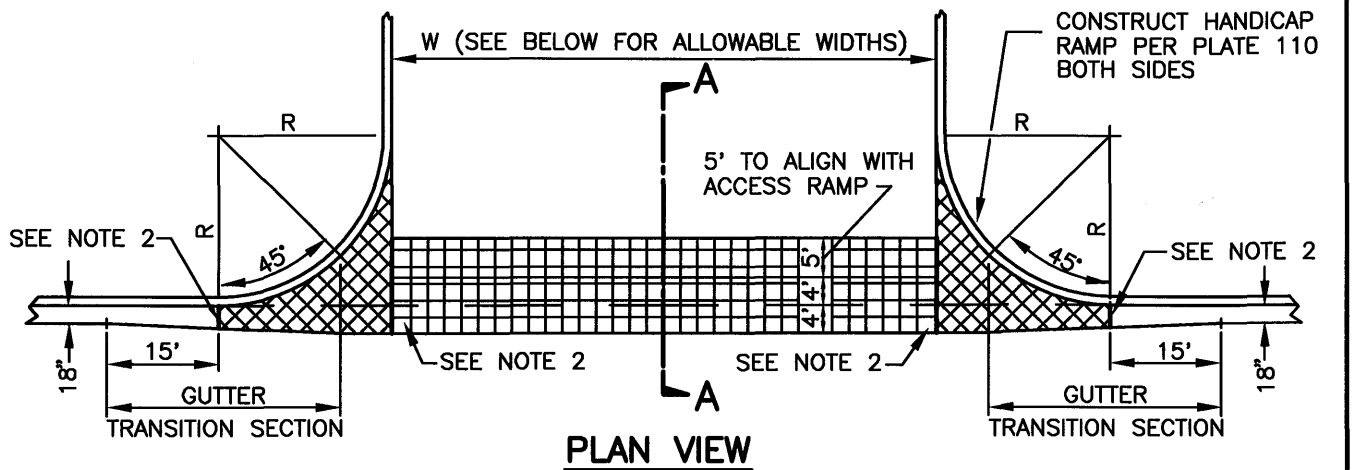
REV.	APPR. BY	DATE

REV.	APPR. BY	DATE

WIDTH OF DRIVEWAY

TYPE OF STREET		RESIDENTIAL		COMMERCIAL/ INDUSTRIAL		ARTERIAL	
TYPE OF DEVELOPMENT		MIN	MAX	MIN	MAX	MIN	MAX
RESIDENTIAL		12	25	---	---	---	---
COMMERCIAL	ONE WAY TRAFFIC	---	---	18	25	20	30
	TWO WAY TRAFFIC	---	---	25	36	25	36
INDUSTRIAL PASSENGER CARS	ONE WAY TRAFFIC	---	---	18	25	20	30
	TWO WAY TRAFFIC	---	---	25	36	25	36
INDUSTRIAL TRUCKS		---	---	25	45	25	45

 CITY OF Oxnard	DRIVEWAYS			STANDARD PLAN 2002
	DRAWN: STAFF	CKD.: STAFF <i>LD</i>	 APPR.	PLATE 115
	Department of Public Works			SHEET 2 OF 2



NOTES:

1. AGGREGATE BASE REQUIRED UNDER CROSS GUTTER BEGINNING AT B.C.R. & E.C.R. & UNDER SPANDREL.
2. ——— INDICATES 1/2" EXPANSION JOINT OR COLD JOINT.
3. REBAR, #4 SIZE, 12" ON CENTER, BOTHWAYS, GUTTER AND SPANDREL.
4. ALL CONCRETE SHALL BE CLASS 520-A-2500 WITH 2LBS OF 3/4" LONG POLYPROPYLENE FIBERS PER CUBIC YARD.
5. FOR SIDEWALK TREATMENT AROUND THE CURB RETURN, CURB RADIUS, AND RIGHT-OF-WAY REQUIREMENTS, SEE NEXT SHEET.
6. APPLY WEED KILLER AT ALL COLD JOINTS.
7. INSTALL 2" DEEP WEAKENED PLANE JOINTS AT 20' INTERVALS.

WIDTH OF DRIVEWAY

TYPE OF STREET		RESIDENTIAL		COMMERCIAL/ INDUSTRIAL		ARTERIAL	
TYPE OF DEVELOPMENT		MIN	MAX	MIN	MAX	MIN	MAX
RESIDENTIAL		12	25	—	—	—	—
COMMERCIAL	ONE WAY TRAFFIC	—	—	18	25	20	30
	TWO WAY TRAFFIC	—	—	25	36	25	36
INDUSTRIAL PASSENGER CARS	ONE WAY TRAFFIC	—	—	18	25	20	30
	TWO WAY TRAFFIC	—	—	25	36	25	36
INDUSTRIAL TRUCKS		—	—	25	45	25	45



COMMERCIAL & INDUSTRIAL DRIVEWAYS

DRAWN: A. ROQUE CKD.: HUNG LE

Department of Public Works

APPR.

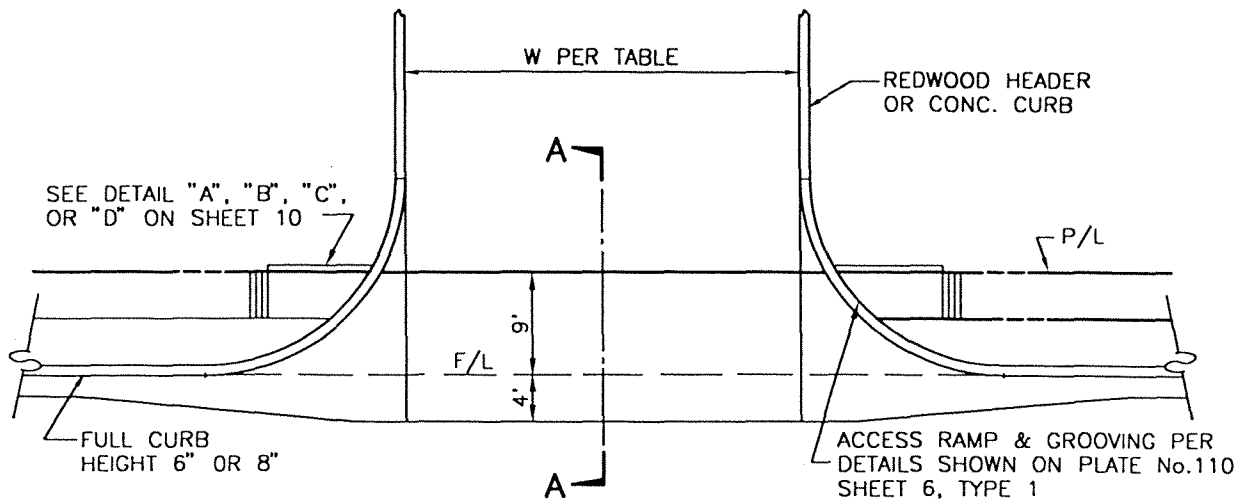
L. Balderrama, PE, City Engineer

STANDARD PLAN
2002

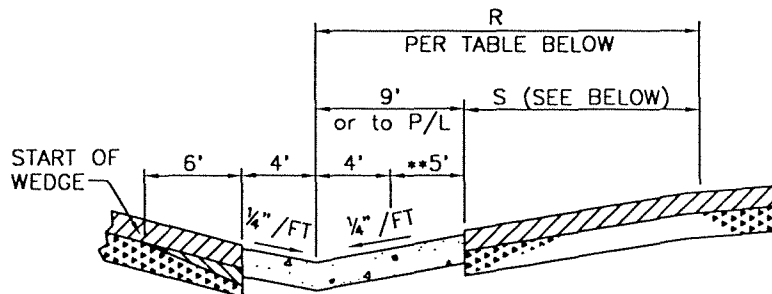
PLATE 116

SHEET 1 OF 2

REV.	APPR. BY	DATE



PLAN VIEW



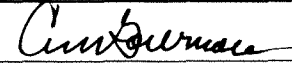
SECTION A-A

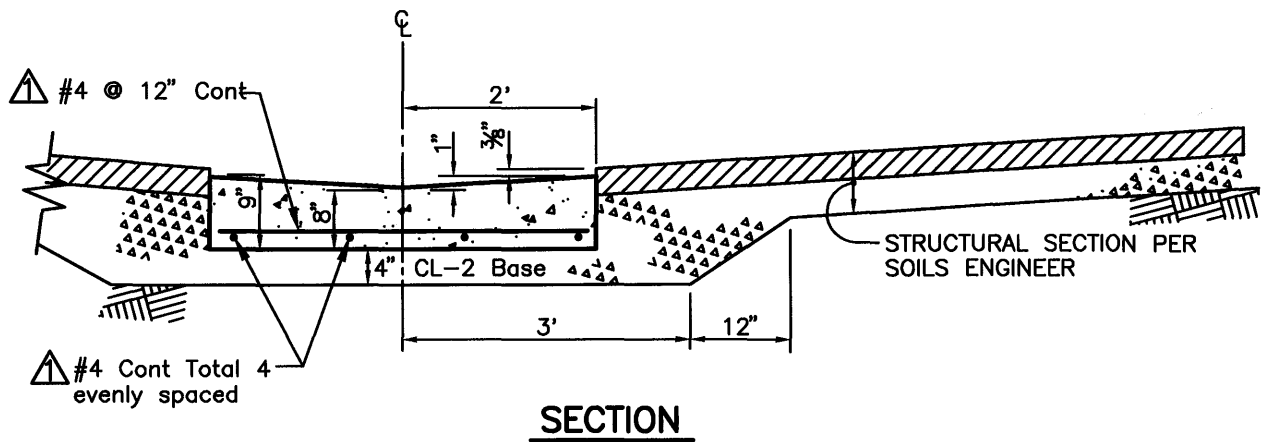
TYPE OF ROADWAY	R	S	
		6" CF	8" CF
ARTERIAL ROADWAY (PLATE No. 102)	35'	4.0%	4.6%
COMMERCIAL/LOCAL ARTERIAL (PLATE No. 101)	25' *	5.2%	6.2%
IN FILL AREA (SPECIAL CASE) PRIOR APPROVAL BY PWD REQUIRED	20'	6.6%	8.1%

* IF PREDOMINANTLY USED BY TRUCKS, USE R=35'

** FIVE FOOT OF GUTTER WIDTH TO HAVE 2% MAX. CROSSFALL FOR DISABLED ACCESS PATHWAY AND TO ALIGN WITH RAMPS.

REV.	APPR. BY	DATE

	CITY OF		COMMERCIAL & INDUSTRIAL DRIVEWAYS		STANDARD PLAN 2002
	DRAWN: STAFF		CKD.: STAFF		PLATE 116
Department of Public Works				APPR.  Granville M. Bowman	SHEET 2 OF 2



NOTES:

1. REINFORCED CONCRETE (8" THICK WITH #4 BARS @ 12" O.C. BOTHWAYS).
2. ALL CONCRETE SHALL BE CLASS 520-A-2500 WITH 2LBS OF 3/4" LONG POLYPROPYLENE FIBERS PER CUBIC YARD.

REV.	APPR. BY	DATE

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	L. Balderrama	09/10/10



RIBBON GUTTER

DRAWN: STAFF CKD.: STAFF

Department of Public Works

APPR.

L. Balderrama
L. Balderrama, PE, City Engineer

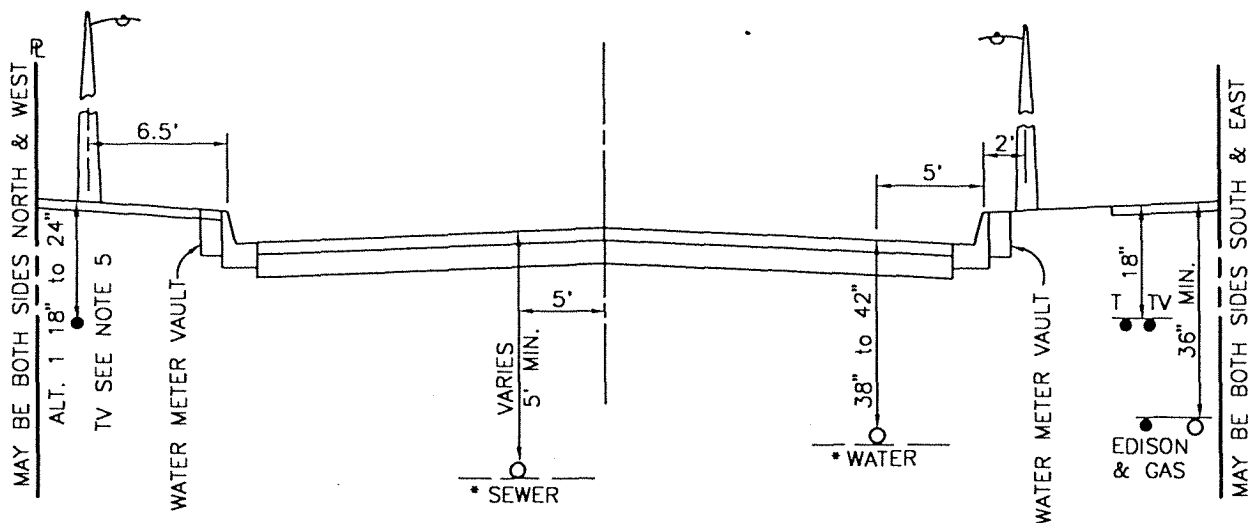
STANDARD PLAN
2002

PLATE 117

SHEET 1 OF 1

REV.	APPR. BY	DATE

REV.	APPR. BY	DATE



* MINIMUM SEPARATION REQUIRED WHEN ELECTRICAL CROSSES BENEATH SEWER & WATER

GENERAL NOTES

1. ALL INSTALLATIONS IN PUBLIC- RIGHT- OF WAY SHALL BE APPROVED BY THE CITY FOR LOCATION.
2. TWO COPIES OF PLANS DETAILING THE LOCATION OF ALL UNDERGROUND UTILITIES INSTALLED SHALL BE SUBMITTED BY THE SUBDIVIDER, OR THE PARTY MAKING THE INSTALLATION, TO THE CITY OF OXNARD FOR REVIEW AND APPROVAL.
3. CABLE TV SHALL CROSS STREETS (TRANSVERSE) AT DEPTH OF 36" PER STATE CODE.
4. TRENCH BACKFILL TO BE COMPACTED PER STANDARD SPECIFICATION OF PUBLIC WORKS CONSTRUCTION, SECTION 306-1.3.4 AND PLATE 602.
5. IN AREA PREVIOUSLY IMPROVED, CABLE TV SHALL BE INSTALLED PER ALT. 1.
6. DOES NOT COVER CONVENTIONAL UNDERGROUND ELECTRICAL SUBSTRUCTURES WITHIN RESIDENTIAL SUBDIVISION.
7. "AS-BUILTS" ARE REQUIRED FROM THE ENGINEER.
8. ENGINEERING STAKING MUST BE PROVIDED.
9. PERMIT FROM THE CITY IS REQUIRED FOR EACH TRENCH. DRY UTILITIES MAY SHARE A TRENCH.
10. IF WATER AND SEWER IS LOCATED AT A GREATER DEPTH THAN 6', SCE (750 VOLTS OR GREATER) WILL BE PERMITTED TO CROSS ABOVE SAME, BY USING P.C.C. IN A 4" MINIMUM THICKNESS ENCASEMENT, AS PER P.U.C..
11. ANY UTILITY CUTS ACROSS STREET WILL BE 90° TO STREET ALIGNMENT AND SHALL BE BACKFILLED WITH 2-SACK SLURRY.



CITY OF

UNDERGROUND UTILITIES LOCATED IN STREET

STANDARD PLAN
2002

DRAWN: STAFF

CKD.: STAFF

Department of Public Works

APPR.

Granville M. Bowman

Granville M. Bowman

PLATE 120

SHEET 1 OF 1

REV.	APPR. BY	DATE
		9-21-95

REV.	APPR. BY	DATE

CITY OF

Oxnard

Department of Public Works

UNDERGROUND UTILITIES LOCATED IN ARTERIAL

DRAWN: STAFF

CKD: STAFF

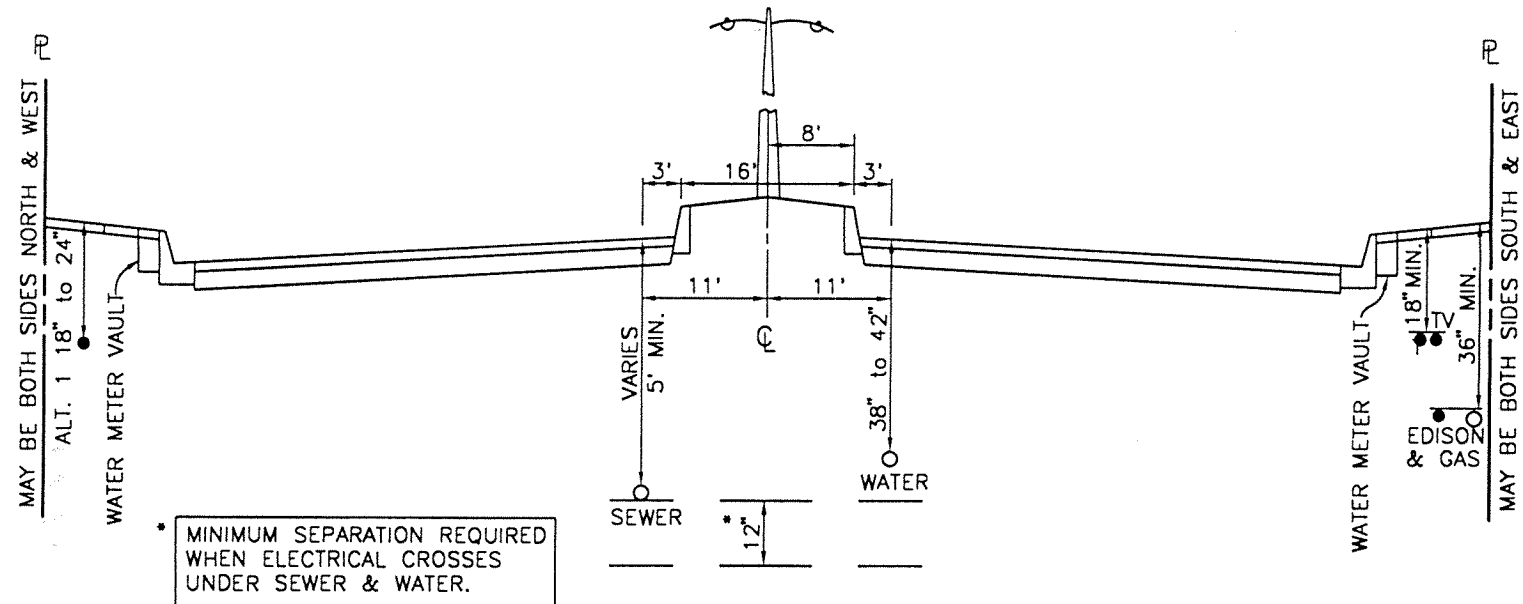
APPR. *Granville M. Bowman*

Granville M. Bowman

SHEET 1 OF 1

PLATE 121

STANDARD PLAN
2002



GENERAL NOTES

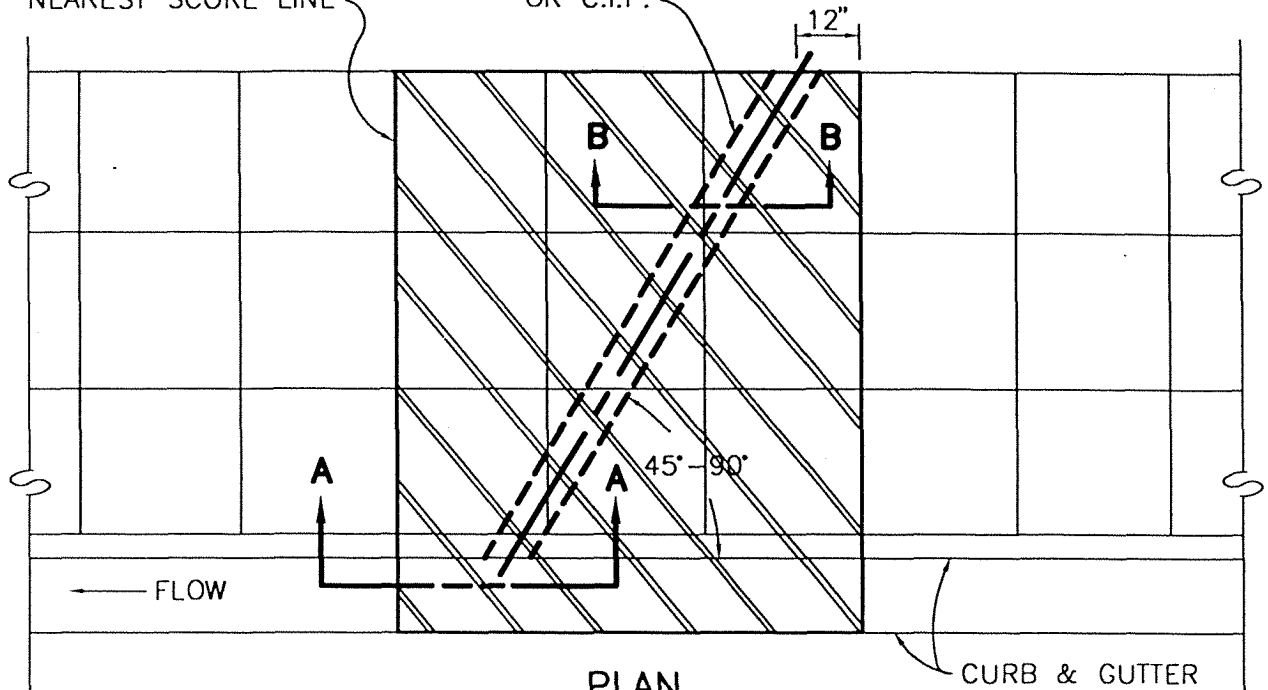
1. ALL INSTALLATIONS IN PUBLIC RIGHT OF WAY SHALL BE APPROVED BY THE CITY FOR LOCATION.
2. TWO COPIES OF PLANS DETAILING THE LOCATION OF ALL UNDERGROUND UTILITIES INSTALLED SHALL BE SUBMITTED BY THE SUBDIVIDER, OR THE PARTY MAKING THE INSTALLATION, TO THE CITY OF OXNARD FOR REVIEW AND APPROVAL.
3. CABLE TV SHALL CROSS STREETS (TRANSVERSE) AT DEPTH OF 36" PER STATE CODE.
4. ALL TRENCH BACKFILL TO BE COMPACTED PER STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION, SECTION 306-1.3.4 AND PLATE 602. TWO SACKS SLURRY BACKFILL ON ALL TRANSVERSE CUTS.
5. IN AREA PREVIOUSLY IMPROVED, CABLE TV SHALL BE INSTALLED PER ALT. 1.
6. DOES NOT COVER CONVENTIONAL UNDERGROUND ELECTRICAL SUBSTRUCTURES WITHIN RESIDENTIAL SUBDIVISION.
7. "AS-BUILTS" ARE REQUIRED FROM THE ENGINEER.
8. ENGINEERING STAKING MUST BE PROVIDED.
9. PERMIT FROM THE CITY IS REQUIRED FOR EACH TRENCH. DRY UTILITIES MAY SHARE A TRENCH.
10. IF WATER AND SEWER IS LOCATED AT A GREATER DEPTH THAN 6', S.C.E. (750 VOLTS OR GREATER) WILL BE PERMITTED TO CROSS ABOVE SAME, BY USING P.C.C. IN A 4" MINIMUM THICKNESS ENCASEMENT, AS PER P.U.C..
11. ANY UTILITIES CUTS ACROSS STREET WILL BE 90° TO STREET ALIGNMENT.

REV.	APPR.	BY	DATE

REV.	APPR.	BY	DATE

SAWCUT (TYP.) AT
NEAREST SCORE LINE

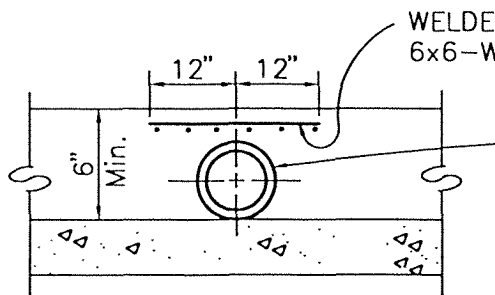
3" SCHEDULE 80 P.V.C.
OR C.I.P.



PLAN



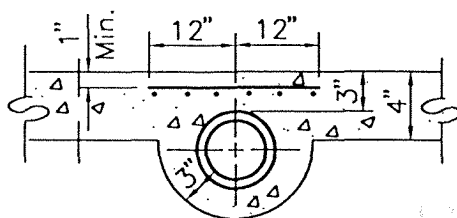
REMOVE AND REPLACE EXISTING CONCRETE (4" THICK). PLACE EXPANSION JOINTS BETWEEN EXISTING AND NEW CONCRETE. ANGLE SHALL BE DETERMINED BY THE INSPECTOR.



SECTION A-A

WELDED WIRE MESH
6x6-W5xW5

3" SCHEDULE 80 P.V.C.
OR C.I. PIPE SHALL BE
CUT FLUSH WITH CURB
FACE. MATCH FLOW
LINE OF GUTTER. WHERE
THERE IS ONLY CURB,
RAISE PIPE 1/2" ABOVE
FLOW LINE.



SECTION B-B

NOTES:

1. EXISTING P.C.C. CURB MAY BE CORE DRILLED TO ACCEPT PIPE, AS APPROVED BY ENGINEER.
2. NO NEW SIDEWALK DRAINS ALLOWED IN RESIDENTIAL CONSTRUCTION. LIMITED USE ALLOWED IN NON-RESIDENTIAL AREAS WHERE STRUCTURES ABUT PUBLIC SIDEWALKS. PRIOR APPROVAL OF CITY ENGINEER REQUIRED FOR ALL INSTALLATIONS.



CITY OF

SIDEWALK DRAIN-PIPE

STANDARD PLAN
2002

DRAWN: STAFF

CKD.: STAFF

Department of Public Works

APPR.

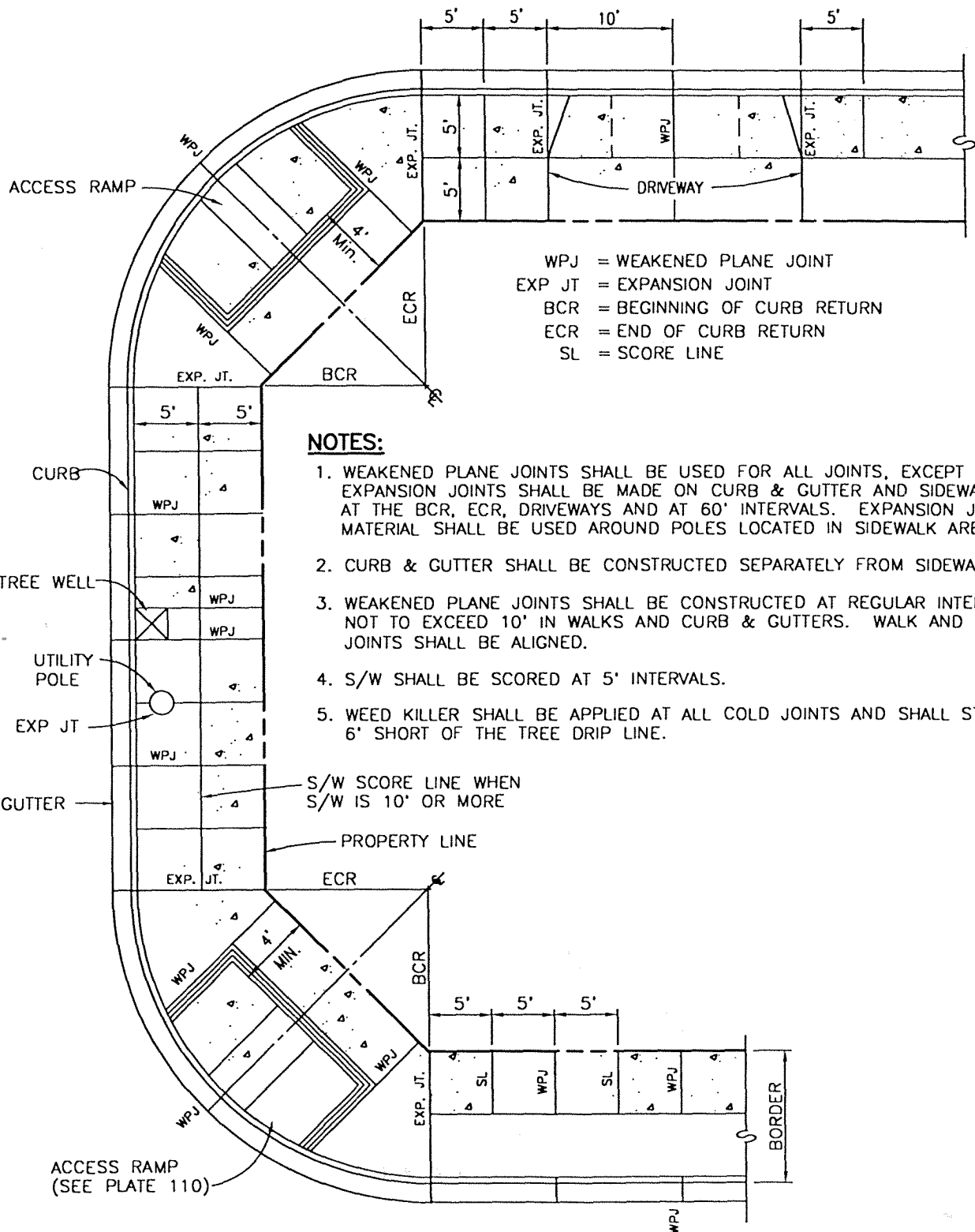
Granville M. Bowman
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PLATE 122

SHEET 1 OF 1

REV.	APPR. BY	DATE

REV.	APPR. BY	DATE



WPJ = WEAKENED PLANE JOINT
 EXP JT = EXPANSION JOINT
 BCR = BEGINNING OF CURB RETURN
 ECR = END OF CURB RETURN
 SL = SCORE LINE

NOTES:

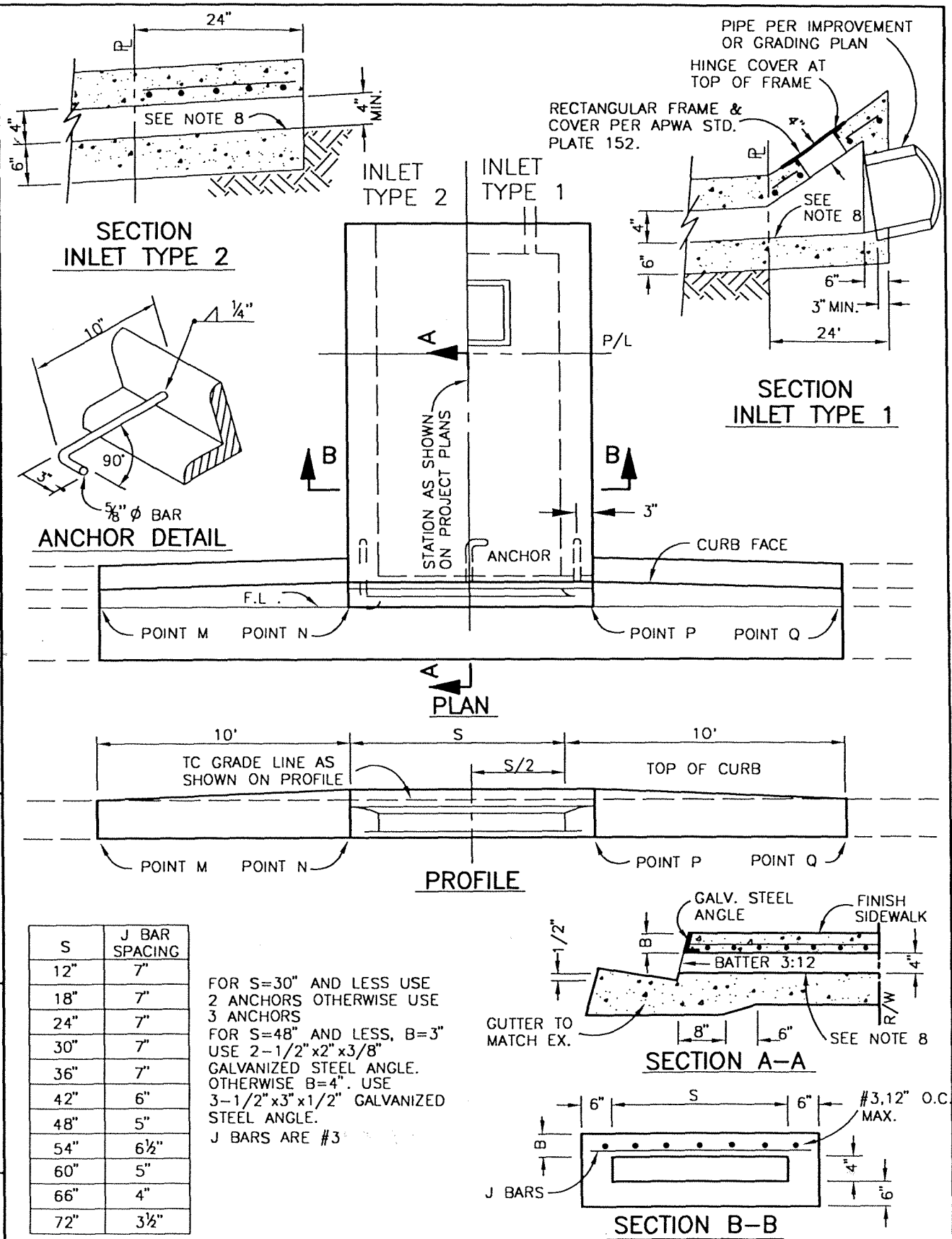
1. WEAKENED PLANE JOINTS SHALL BE USED FOR ALL JOINTS, EXCEPT EXPANSION JOINTS SHALL BE MADE ON CURB & GUTTER AND SIDEWALK AT THE BCR, ECR, DRIVEWAYS AND AT 60' INTERVALS. EXPANSION JOINT MATERIAL SHALL BE USED AROUND POLES LOCATED IN SIDEWALK AREAS.
2. CURB & GUTTER SHALL BE CONSTRUCTED SEPARATELY FROM SIDEWALK.
3. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED AT REGULAR INTERVALS NOT TO EXCEED 10' IN WALKS AND CURB & GUTTERS. WALK AND CURB JOINTS SHALL BE ALIGNED.
4. S/W SHALL BE SCORED AT 5' INTERVALS.
5. WEED KILLER SHALL BE APPLIED AT ALL COLD JOINTS AND SHALL STOP 6' SHORT OF THE TREE DRIP LINE.

SEE PLATE 112 FOR ADDITIONAL INFORMATION ON EJ, WPJ, AND SCORING LINES - TYPICAL SPACING.

	CITY OF Oxnard		CURB AND SIDEWALK JOINTS		STANDARD PLAN 2002
	DRAWN: STAFF		CKD.: STAFF <i>42</i>		 APPR. Granville M. Bowman
	Department of Public Works				
					PLATE 113 SHEET 1 OF 1

REV.	APPR.	BY	DATE

REV.	APPR.	BY	DATE



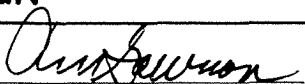
	CITY OF Oxnard		PARKWAY DRAIN		STANDARD PLAN 2002
	DRAWN: STAFF		CKD.: STAFF		 Granville M. Bowman
	Department of Public Works				
APPR.					PLATE 124
					SHEET 1 OF 2

NOTES:

1. FLOOR OF BOX SHALL BE TROWLED SMOOTH.
2. IF THE TOE OF SLOPE IS ALLOWED WITHIN THE R/W, INLET TYPE 1 BEGINS AT THE TOE RATHER THAN AT THE R/W LINE.
3. FOR OPEN DITCH (TYPE 2), THE 24" EXTENSION BEYOND THE R/W LINE IS NOT REQUIRED WHEN BACK OF WALK IS 24" OR MORE FROM THE R/W LINE: HOWEVER, THE PIPE SHALL EXTEND TO THE R/W LINE IN ANY EVENT.
4. TOP OF INLET STRUCTURE (TYPE 1 & 2) SHALL BE FLUSH WITH ADJACENT SURFACE WHERE PRACTICAL.
5. A HEADED STEEL STUD WITH A $\frac{5}{8}$ " x 6- $\frac{3}{8}$ ", 1" HEAD ATTACHED BY A FULL PENETRATION BUTT WELD MAY BE USED AS AN ALTERNATE ANCHOR.
6. NORMAL CURB FACE AT POINT M AND Q. CURB FACE IS B + 5" AT POINT N AND P.
7. THE 3" LEG OF THE $\frac{5}{8}$ " DIA. ANCHORS SHALL BE PARALLEL TO THE TOP OF SIDEWALK.
8. SLOPE = 2.0%

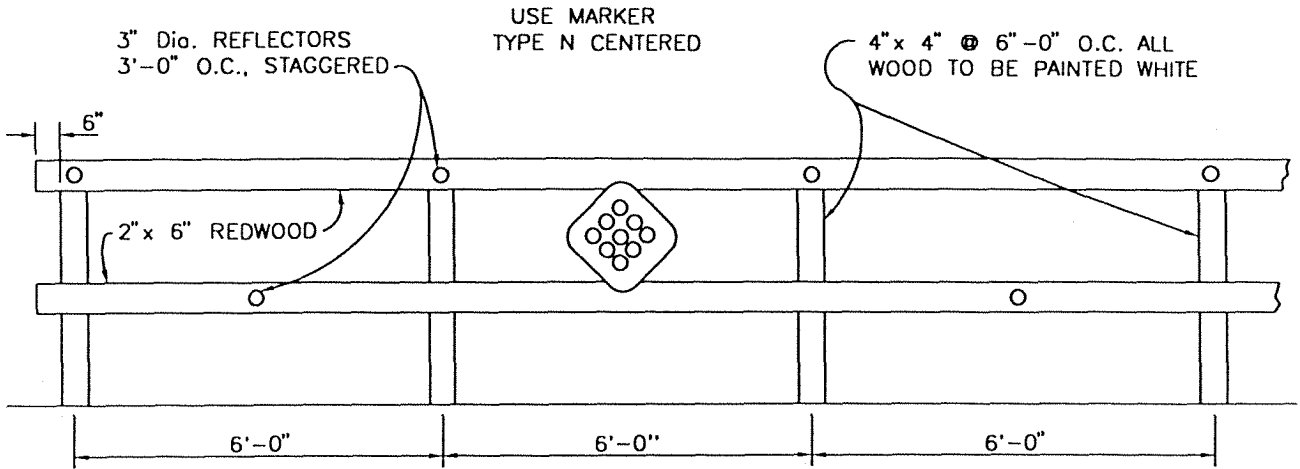
REV.	APPR. BY	DATE

REV.	APPR. BY	DATE

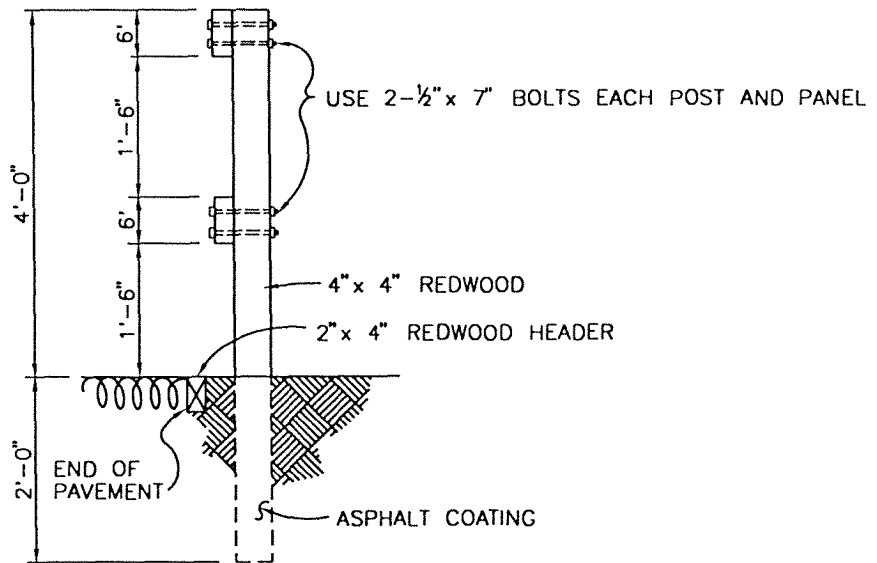
 CITY OF Oxnard	PARKWAY DRAIN		STANDARD PLAN 2002
	DRAWN: STAFF	CKD.: STAFF	 APPR. <u>Granville M. Bowman</u>
	Department of Public Works		
			PLATE 124 SHEET 2 OF 2

REV.	APPR. BY	DATE

REV.	APPR. BY	DATE



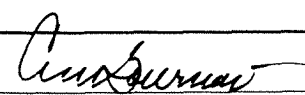
ELEVATION VIEW



CROSS SECTION

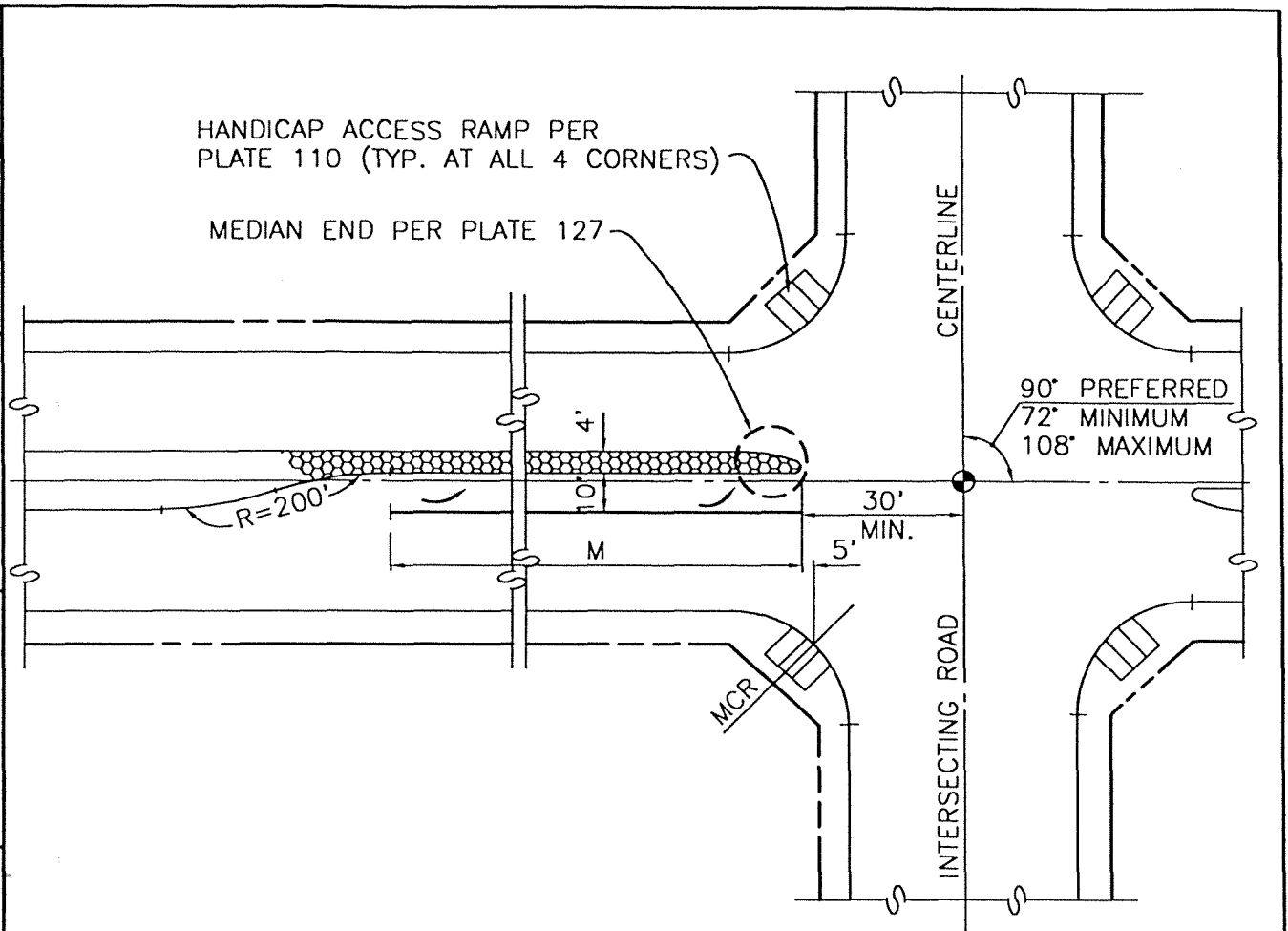
NOTES:

1. BARRICADE MUST EXTEND FROM PROPERTY LINE TO PROPERTY LINE.

	BARRICADE		STANDARD PLAN 2002
	DRAWN: STAFF	CKD.: STAFF	 APPR. Granville M. Bowman
Department of Public Works			PLATE 125 SHEET 1 OF 1

REV.	APPR. BY	DATE

REV.	APPR. BY	DATE



M=200' MINIMUM AT ARTERIAL INTERSECTING ROAD ACTUAL LENGTH TO BE DETERMINED BY THE CITY TRAFFIC ENGINEER.

NOTES:

1. MEDIAN CURB HEIGHT SHALL BE 8" UNLESS OTHERWISE APPROVED BY CITY ENGINEER.
2. COLORED STAMPED CONCRETE MEDIAN PAVING SHALL CONFORM TO THE REQUIREMENTS AND APPROVAL OF PARKS.
3. DECORATIVE SCORED CONCRETE IN TRAVEL WAYS AND INTERSECTIONS SHALL BE DESIGNED TO WITHSTAND PROPER TRAFFIC INDEX AS OUTLINED IN SECTION 14, PLATE 8.
4. MINIMUM SPACING FOR FULL ACCESS MEDIAN BREAKS SHALL BE 1320' ON ARTERIALS UNLESS OTHERWISE APPROVED BY THE CITY TRAFFIC ENGINEER.



CITY OF

INTERSECTION AND LEFT TURN POCKET

STANDARD PLAN
2002

DRAWN: STAFF CKD.: STAFF

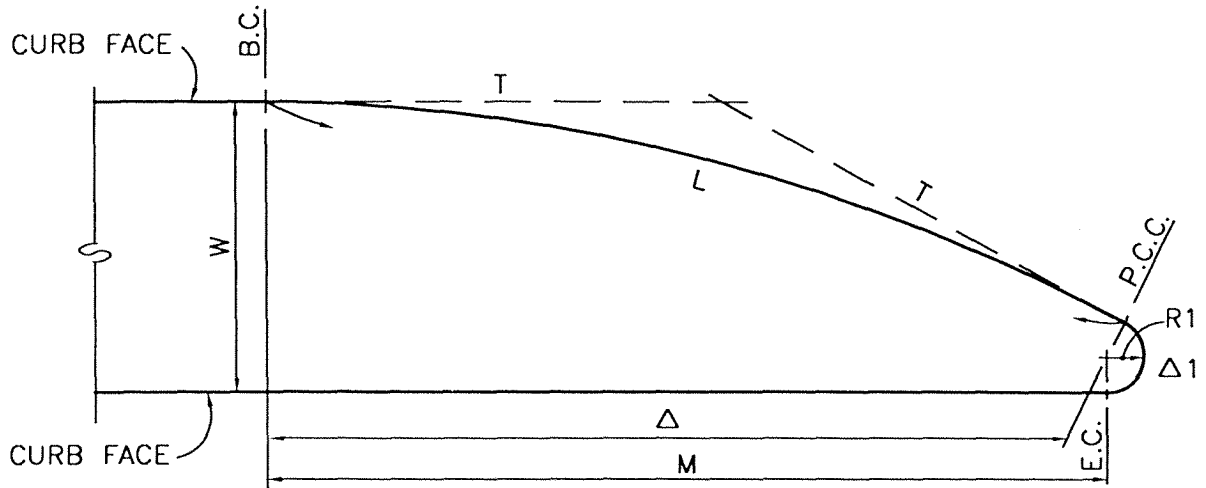
Department of Public Works

APPR.

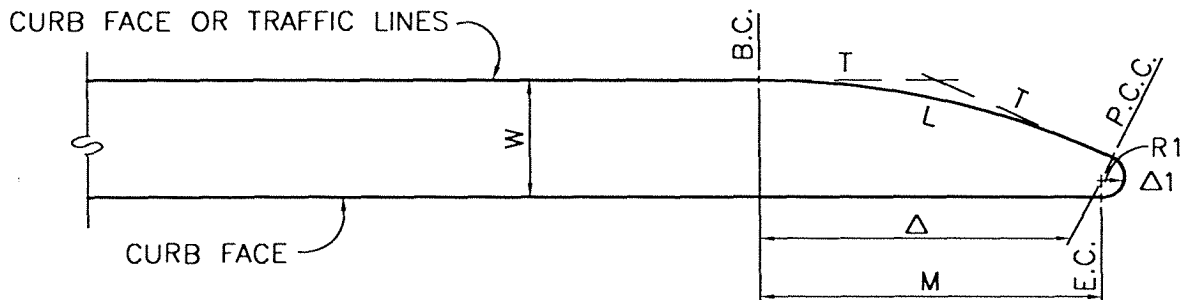
Granville M. Bowman

PLATE 126

SHEET 1 OF 1



MEDIAN END



LEFT TURN POCKET FINGER

W	M	R	Δ	T	L	R1	Δ1	L1	T1
14'	43.13'	100'	26° 06' 32"	23.19'	45.57'	2'	153° 53' 28"	5.37'	8.63'
4'	13.86'	50'	16° 25' 35"	7.22'	14.33'	1'	163° 34' 25"	2.85'	6.93'
16'	46.99'	100'	28° 39' 06"	25.54'	50.01'	2'	151° 20' 54"	5.28'	7.83'
6'	19.39'	50'	23° 18' 41"	10.31'	20.34'	1'	156° 41' 19"	2.73'	4.85'

NOTE:

ALL NECESSARY SIGNING AND STRIPING SHALL BE IN ACCORDANCE WITH THE CURRENT STATE STANDARDS AND/OR AS DIRECTED BY THE CITY ENGINEER.



CITY OF

MEDIAN ENDS DETAIL

DRAWN: STAFF

CKD.: STAFF

Department of Public Works

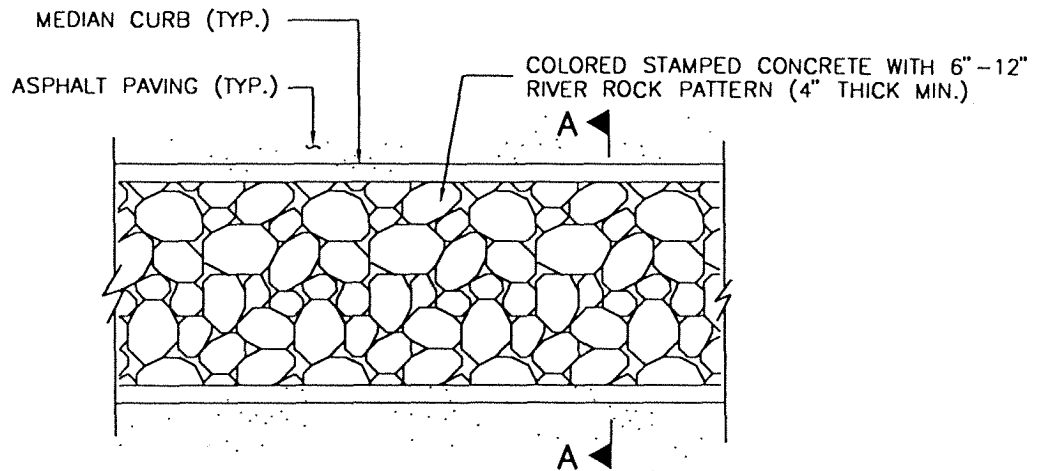
APPR.

Granville M. Bowman

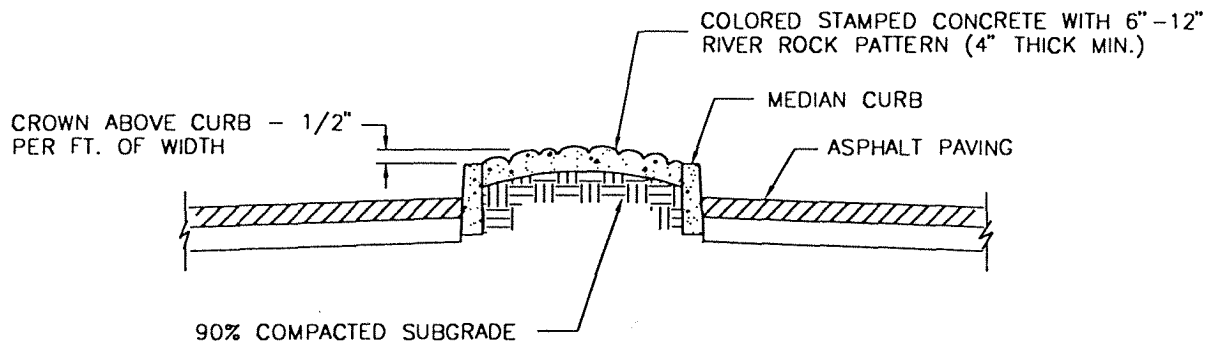
STANDARD PLAN
2002

PLATE 127

SHEET 1 OF 1



PLAN VIEW



SECTION A-A

NOTES:

1. STAMPED CONCRETE SHALL BE 6'-12" RIVER ROCK PATTERN. COLOR SHALL BE PECAN TAN # A55P. STAMPED PATTERN SHALL BE FROM BOMANITE & COLORS SHALL BE FROM L. M. SCOFIELD CO. OR APPROVED EQUAL.
2. THE PATTERN IMPRINT SHALL BE 1" MIN. DEPTH.
3. THE PATTERN JOINT WIDTH (BETWEEN SIMULATED ROCKS) SHALL BE 1/4" MIN. - 1 1/4" MAX.
4. ALL JOINTS SHALL BE UNGROUTED.
5. ORIENT WEAKEN PLANE LINES ACROSS THE SHORT DIMENSION ON THE PATTERN AND AT INTERVALS NOT TO EXCEED 15'.
6. PLASTIC SHEETING SHALL BE LAID OVER CONCRETE PRIOR TO STAMPING PATTERN TO PRODUCE "LOAFED" SURFACES.
7. APPLY COLORWAX TO ALL SURFACES.



CITY OF

STAMPED CONCRETE MEDIAN DETAIL

STANDARD PLAN
2002

DRAWN: STAFF CKD.: STAFF

Department of Public Works

APPR.

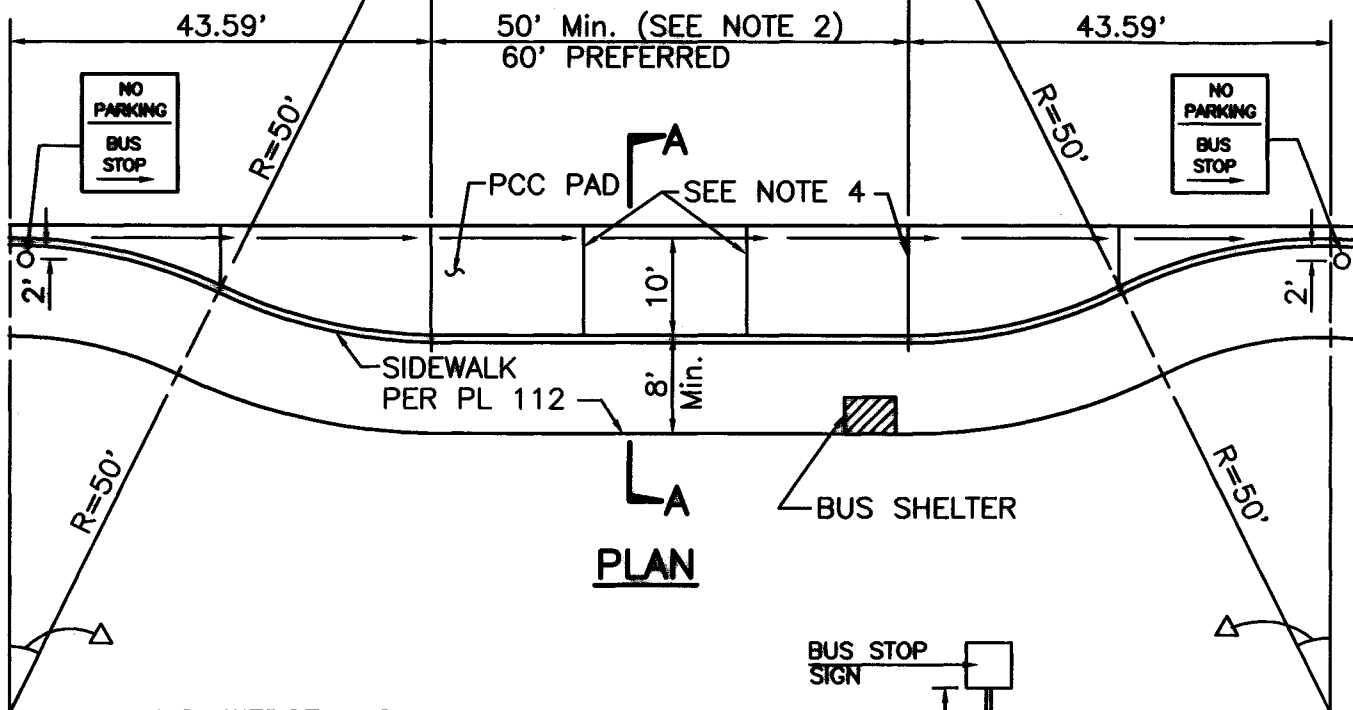
Granville M. Bowman

PLATE 128

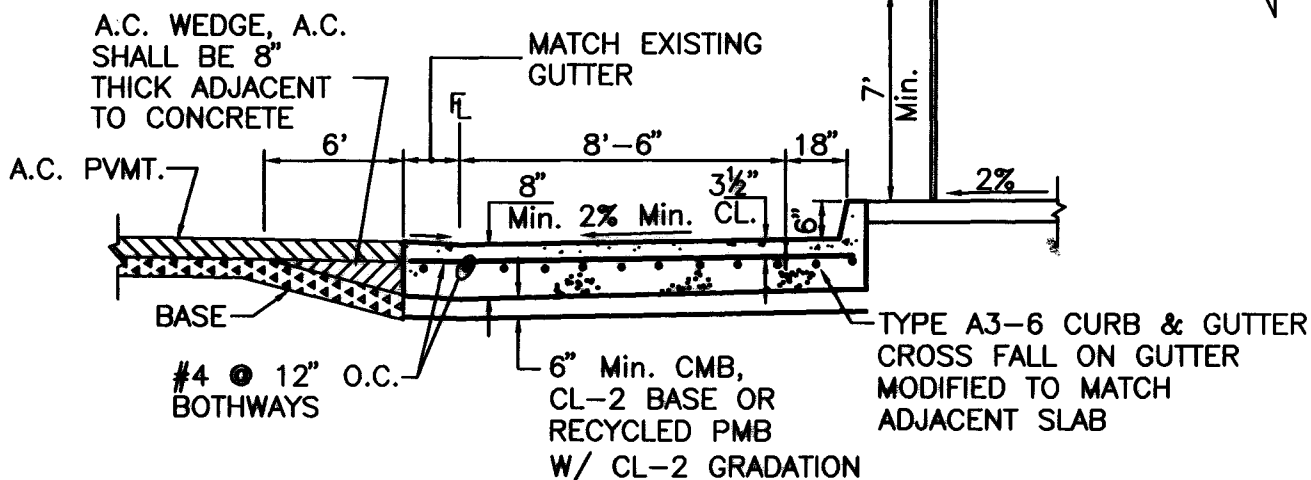
SHEET 1 OF 1

CURVE DATA: (ON CURB LINE)

R=50'
 $\Delta=25^{\circ}50'31''$
 L=22.55'
 T=11.47'



PLAN



SECTION A-A

NOTES:

1. ALL CONCRETE SHALL BE CLASS 560-C-3250 WITH 2LBS OF 3/4" LONG POLYPROPYLENE FIBERS PER CUBIC YARD. STEEL SHALL BE GRADE 40.
2. FOR EACH ADDITIONAL PASS THROUGH BUS BERTH ADD 50' AND FOR EACH ADDITIONAL LAYOVER BUS BERTH ADD 80'.
3. APPLY WEED KILLER AT ALL JOINTS.
4. TURNOUT TO MATCH EXPANSION OR WEAKENED PLANED JOINTS IN CURB.



BUS TURNOUT — FOR STREET WITHOUT PARKING LANE

DRAWN: A. ROQUE CKD.: HUNG LE

Department of Public Works

APPR.

L. Balderama
 L. Balderama, PE, City Engineer

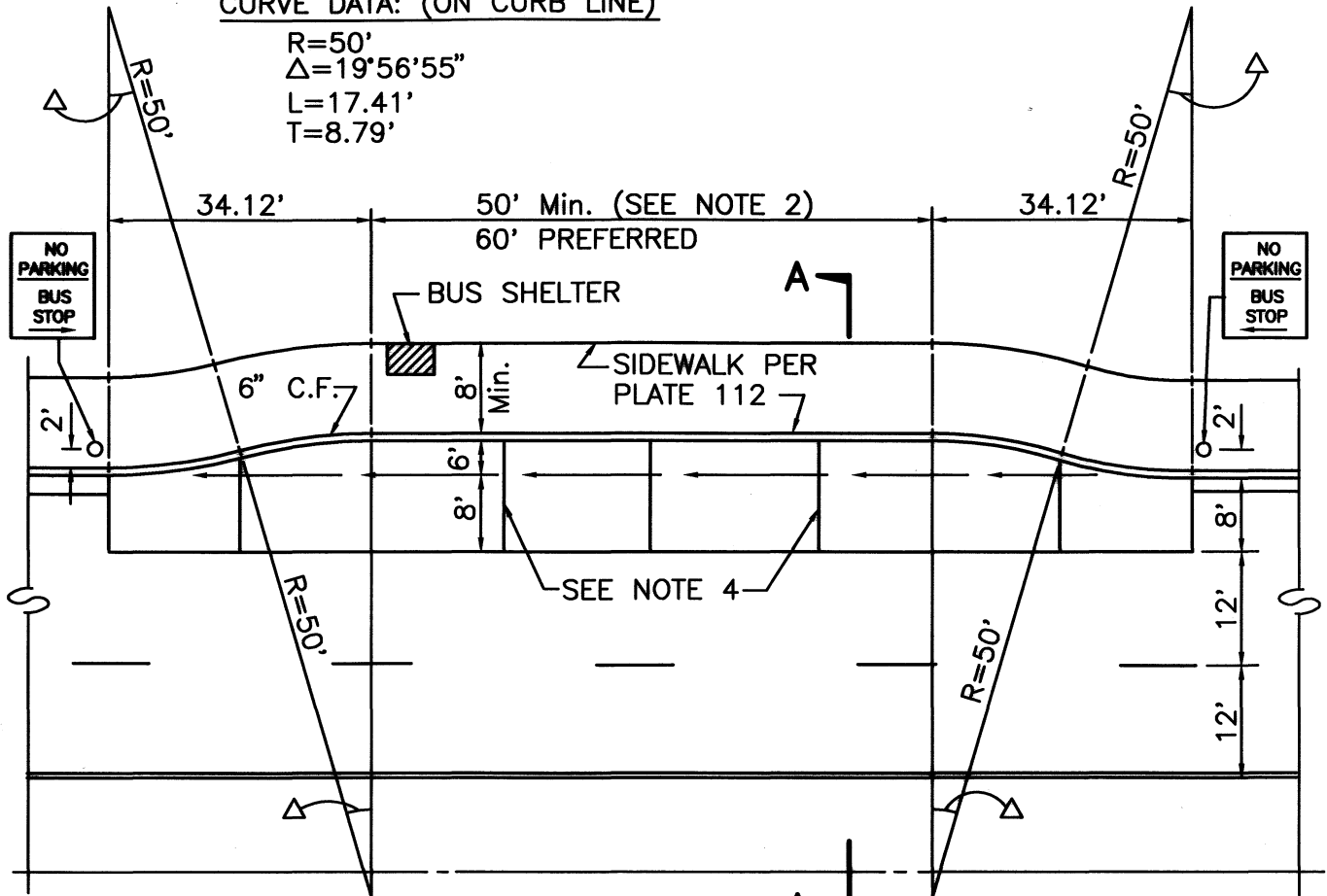
STANDARD PLAN
 2002

PLATE 200

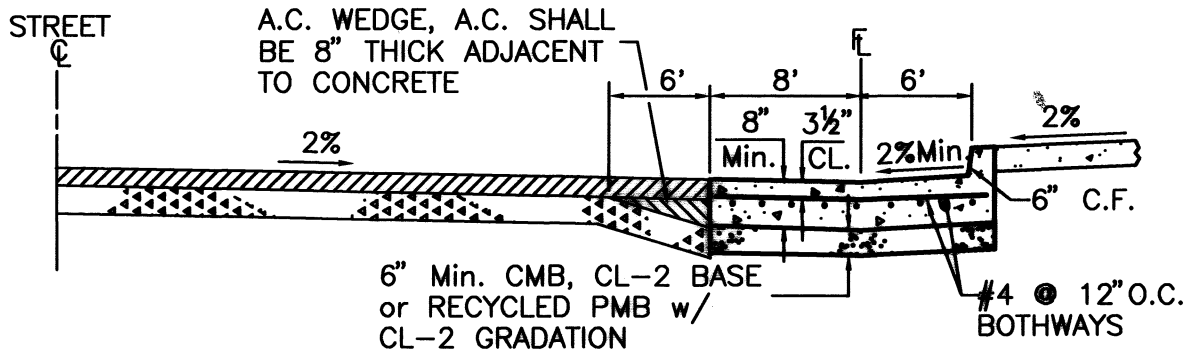
SHEET 1 OF 1

CURVE DATA: (ON CURB LINE)

R=50'
 $\Delta=19^{\circ}56'55''$
 L=17.41'
 T=8.79'



PLAN



SECTION A-A

NOTES:

1. ALL CONCRETE SHALL BE CLASS 560-C-3250 WITH 2LBS OF 3/4" LONG POLYPROPYLENE FIBERS PER CUBIC YARD. STEEL SHALL BE GRADE 40.
2. FOR EACH ADDITIONAL PASS THROUGH BUS BERTH ADD 50' AND FOR EACH ADDITIONAL LAYOVER BUS BERTH ADD 80'.
3. APPLY WEED KILLER AT ALL JOINTS.
4. TURNOUT TO MATCH EXPANSION OR WEAKENED PLANED JOINTS IN CURB.



BUS TURNOUT — FOR STREET WITH PARKING LANE

DRAWN: A. ROQUE CKD.: HUNG LE

Department of Public Works

APPR.

L. Balderrama
 L. Balderrama, PE, City Engineer

STANDARD PLAN
 2002

PLATE 201

SHEET 1 OF 1

TYPICAL HYDRANT MARKER LOCATION

- ⊙ - FIRE HYDRANT
- - BLUE PAVEMENT MARKER

FIGURE 1
TWO LANE STREET

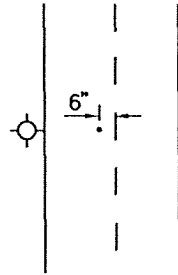


FIGURE 2
MULTI-LANE STREET

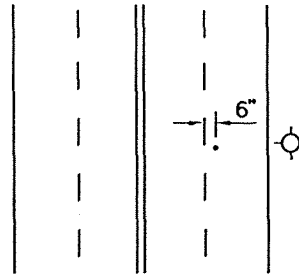


FIGURE 3
AN INTERSECTION

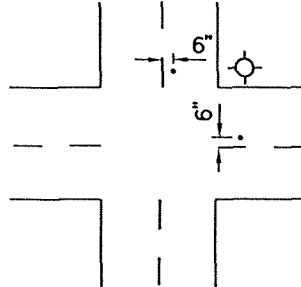


FIGURE 4
FOUR LANE STREET WITH TURN LANE AT INTERSECTION

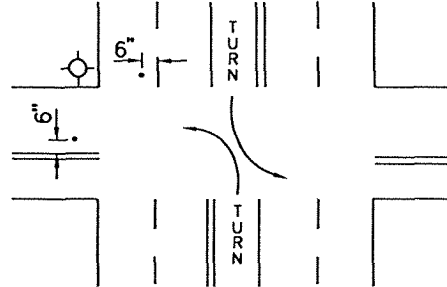


FIGURE 5
MULTI-LANE STREET WITH TURN LANE

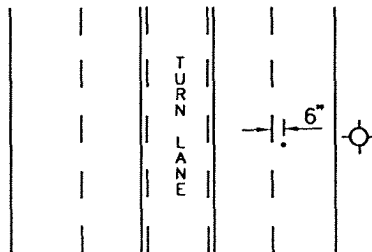
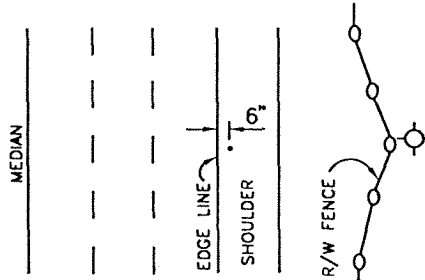
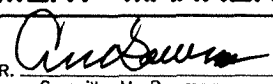


FIGURE 6
FREEWAYS AND EXPRESSWAYS



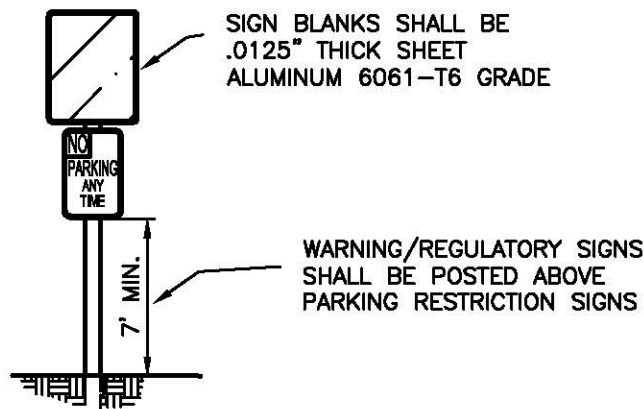
NOTES:

1. INSTALL TWO-WAY BLUE REFLECTIVE MARKERS. MARKERS SHALL BE AS SPECIFIED IN CALTRANS STANDARD SPECIFICATIONS AND APPROVED BY FIRE CHIEF.
2. INSTALL MARKERS WITH EPOXY APPROVED BY THE CITY TRAFFIC ENGINEER.

	CITY OF Oxnard		BLUE REFLECTIVE PAVEMENT MARKERS		STANDARD PLAN 2002
	DRAWN: STAFF	CKD.: STAFF	APPR.  Granville M. Bowman		PLATE 202
Department of Public Works				SHEET 1 OF 1	578

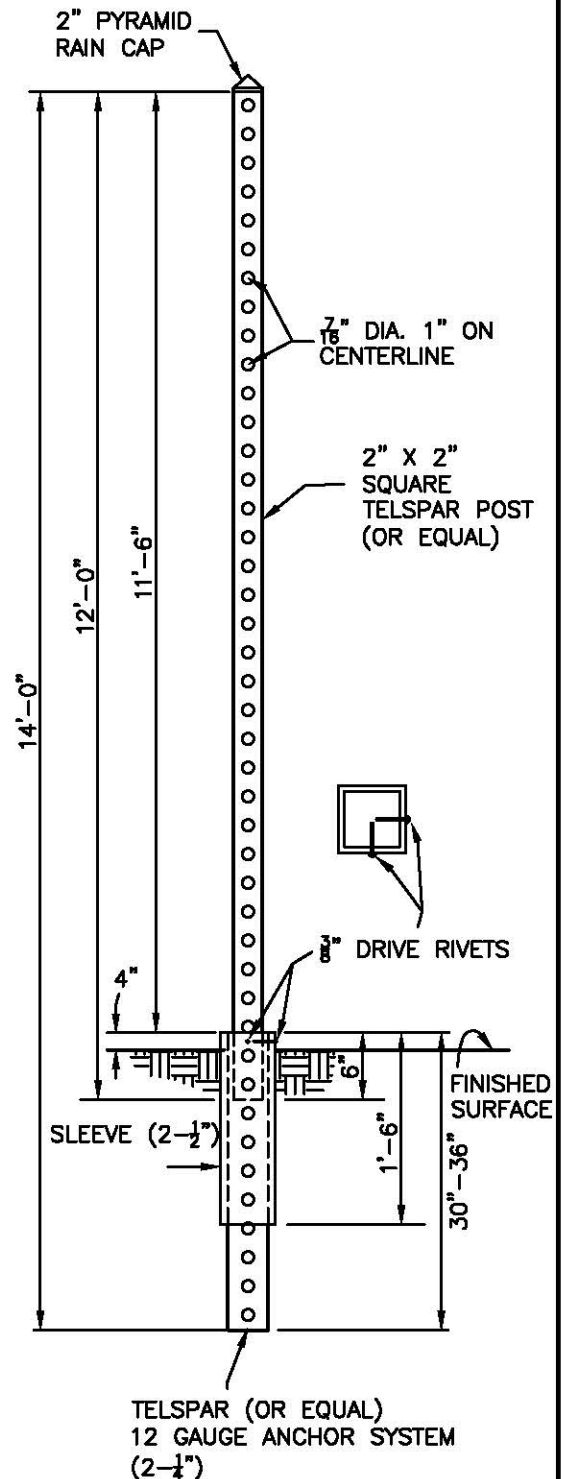
REV.	APPR. BY	DATE

REV.	APPR. BY	DATE



NOTES:

1. GALVANIZED PARTS SHALL BE HOT-DIP GALVANIZED CONFORMING TO COATING DESIGNATION G-90.
2. SIGNS SHALL BE A MINIMUM OF 4 FT AWAY FROM FIRE HYDRANTS, UNDERGROUND UTILITIES, AND NOT CONSTRICT ACCESSIBLE PATH TO LESS THAN 4 FEET.
3. SIGN SPECIFICATIONS/LAYOUT SHALL CONFORM TO THE CA-MUTCD & CALTRANS SIGN SPECIFICATIONS SHEETS (LATEST REVISIONS). SIGNS SIZES SHALL BE FOR CONVENTIONAL ROADS, UNLESS OTHERWISE SPECIFIED.
4. SCHOOL AREA AND PEDESTRIAN WARNING SIGNS SHALL HAVE FLUORESCENT YELLOW-GREEN (RETROREFLECTIVE) BACKGROUND.
5. SIGN SHEETING SHALL BE TYPE XI FULL CUBE TECHNOLOGY (UNMETALLIZED) SUCH AS 3M DIAMOND GRADE DG3 SHEETING OR EQUAL CONFORMING TO ASTM D4956 TYPE XI SPECIFICATIONS.
6. SIGNS SHALL INCLUDE DUAL-PURPOSE PROTECTIVE OVERLAY FILM (UV AND ANTI-GRAFFITI PROTECTION) 3M 1160IA OR EQUAL.
7. SIGN IMAGING SHALL CONSIST OF DIGITAL PRINTING OR SILK SCREENING.
8. A 3" CORED HOLE SHALL BE USED WHEN POST IS INSTALLED WITHIN CONCRETE OR ASPHALT. WHEN INSTALLING IN SOIL, ANCHOR AND SLEEVE SHALL BE DRIVEN INTO SOIL TOGETHER, LEAVING A PROTRUSION NO MORE THAN 4".
9. THE BACK OF THE SIGN SHALL INCLUDE A DECAL WITH THE FOLLOWING IMPRINTED:
 - "PROPERTY OF THE CITY OF OXNARD"
 - FABRICATORS NAME
 - YEAR OF FABRICATION
 - TYPE OF REFLECTIVE SHEETING



POST DETAILS
DRAWINGS NOT TO SCALE



SIGN POST INSTALLATION

DRAWN: M. GUILLEN CKD.: E. LEWIS

Department of Public Works

APPR. *Morgan Kessler*
MORGAN KESSLER, PE

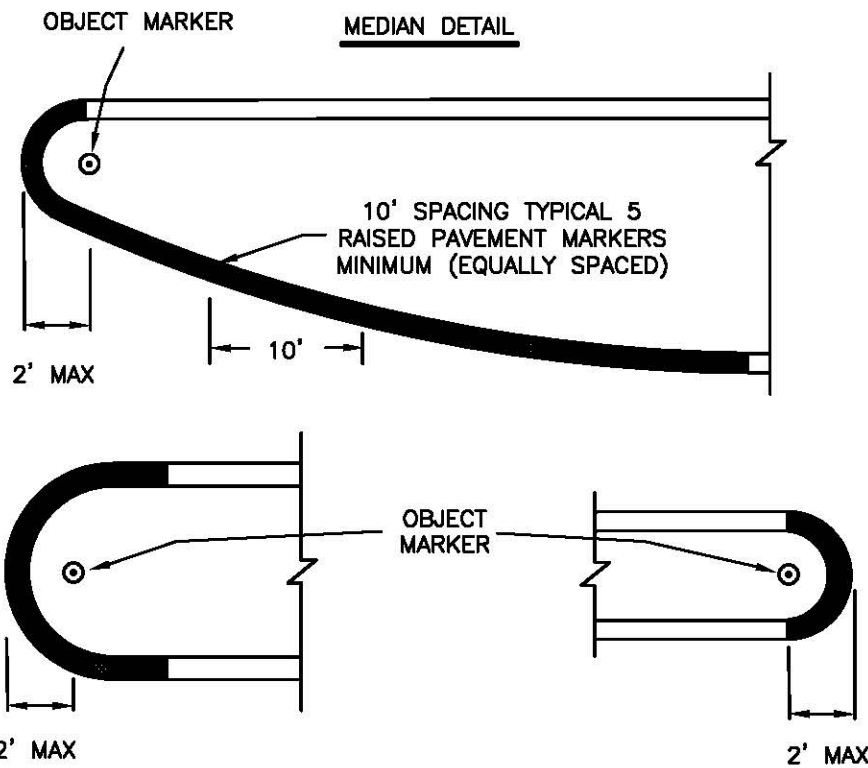
STANDARD PLAN

PLATE 203

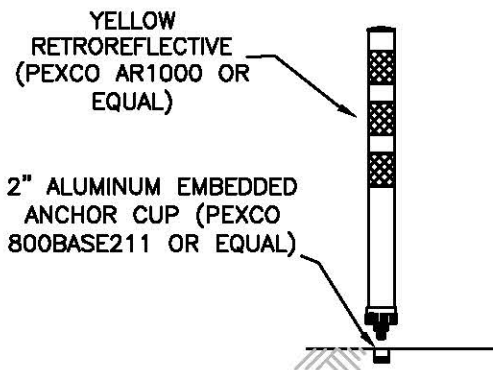
SHEET 1 OF 1

REV.	APPR.	BY	DATE

REV.	APPR.	BY	DATE

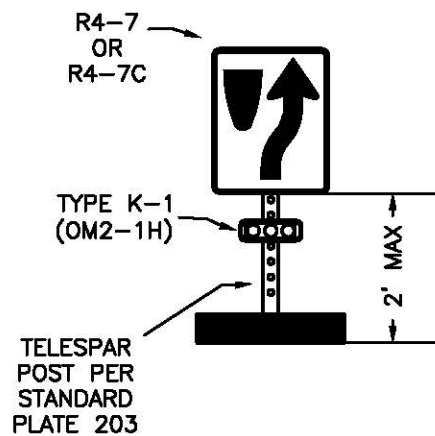


OBJECT MARKER OPTION "A"

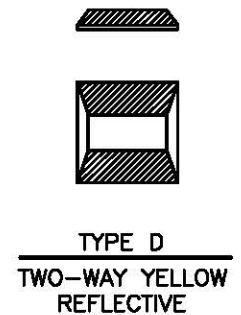


18" MARKER (CADDDETAIL.COM/INFO
REF NUMBER 644-062 OR EQUAL)

OBJECT MARKER OPTION "B"



RAISED PAVEMENT MARKER



LEGEND

- ⊙ OBJECT MARKER "A" OR "B" (TYPE AND NEED TO BE DETERMINED BY CITY TRAFFIC ENGINEER)
- TYPE D TWO-WAY REFLECTIVE RAISED PAVEMENT MARKER
- YELLOW PAINT WITH REFLECTIVE GLASS BEADS

DRAWING NOT TO SCALE



MEDIAN NOSE TREATMENT

DRAWN: M. GUILLEN CKD.: E. LEWIS

Department of Public Works

APPR. *Morgan Kessler*
MORGAN KESSLER, PE

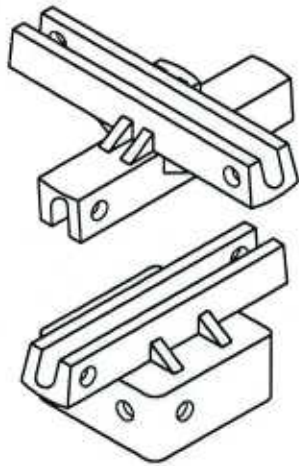
STANDARD PLAN

PLATE 204

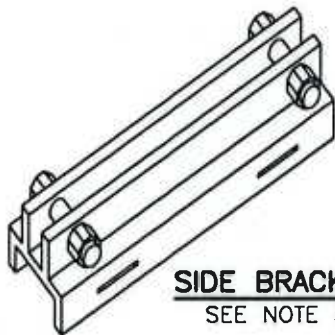
SHEET 1 OF 1

REV.	APPR.	BY	DATE

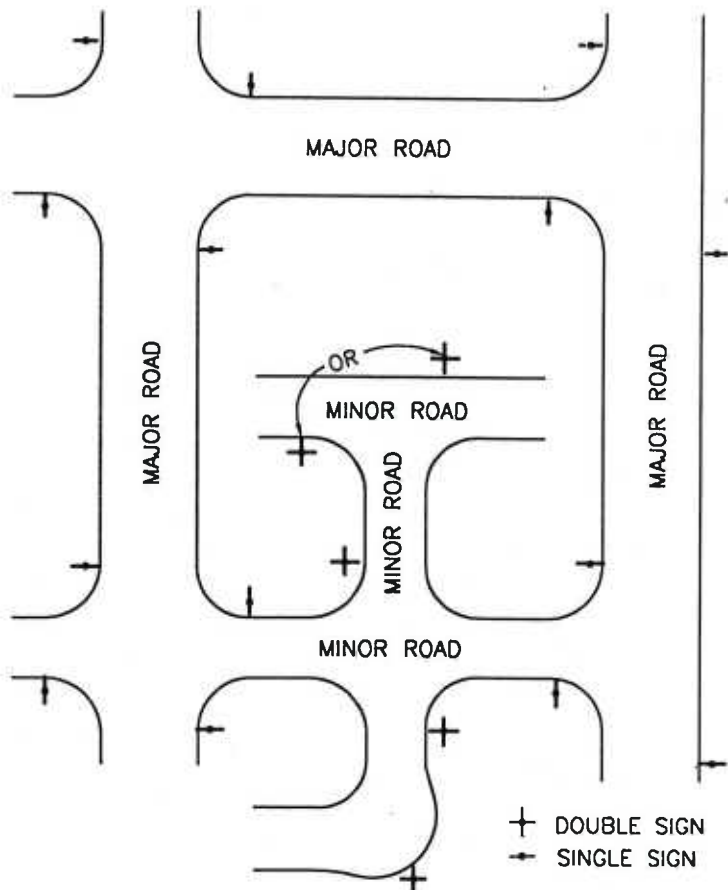
REV.	APPR.	BY	DATE



POST CAP
SEE NOTE 4



SIDE BRACKET
SEE NOTE 5



NOTES:

1. BOTTOM OF STREET NAME SIGNS SHALL BE A MINIMUM OF 9(NINE) FEET ABOVE GROUND.
2. INSTALL STREET NAME SIGNS ABOVE ANY STOP SIGNS, IF APPLICABLE.
3. SIGN POSTS SHALL BE 2 INCH SQUARE PER PLATE 203 SHEET 2 OF 2. MOUNT ON ELECTROLIER OR SIGNAL POLES WHEN PRACTICAL.
4. FOR POST MOUNT, USE ALUMINUM POST CAP BRACKETS WITH 5 INCH LONG SLOTS. SLOT WIDTH: .280" WITH STANDARD STAINLESS STEEL SET SCREWS.
5. FOR ELECTROLIER OR SIGNAL MOUNT, USE STRAP-ON ALUMINUM SIDE BRACKET 9 INCHES LONG. BAND WITH HEAVY DUTY 5/8" x .32" STAINLESS STEEL STRAP.
6. REFER TO PLATE 203 FOR ADDITIONAL SIGN INFORMATION.
7. WHERE SIDEWALK IS LESS THAN 5 FEET AND ADJACENT TO CURB, LOCATE POST BEHIND SIDEWALK. NO PORTION OF SIGN SHALL EXTEND PAST CURB.
8. ALL SIGNS SHALL BE ORDERED FROM THE CITY OF OXNARD.



STREET NAME SIGN

DRAWN: A. Roque CKD.: E. Hipolito
Department of Public Works

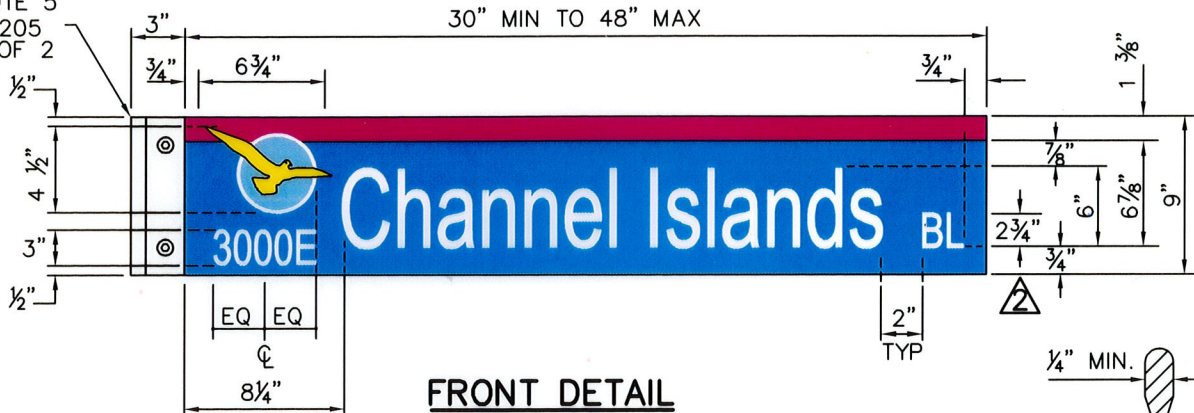
APPR. *[Signature]* 1-6-06
L. Balderrama, City Engineer

STANDARD PLAN
2002

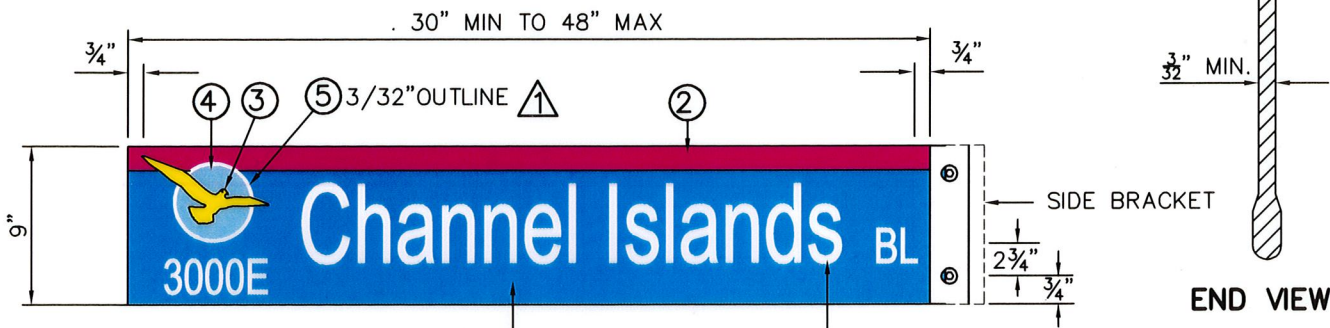
PLATE 205

SHEET 1 OF 2

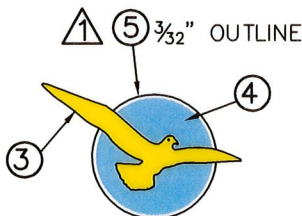
SIDE BRACKET
SEE NOTE 5
PLATE 205
SHT 1 OF 2



FRONT DETAIL



BACK DETAIL



PRIVATE ST SIGN DETAIL

COLOR SCHEDULE

NO.	COLOR NO.	COLOR NAME	FINISH
①	PMS 653c	BLUE	3M TRANSPARENT INK
②	PMS 248c	VIOLET	3M TRANSPARENT INK
③	PMS 128c	YELLOW	3M TRANSPARENT INK
④	PMS 284c	LT. BLUE	3M TRANSPARENT INK
⑤	3M DIAMOND GRADE CUBE REFLECTIVE 4090 WHITE SHEETING		

- SURFACE SHALL BE COVERED WITH 3M DIAMOND GRADE CUBE REFLECTIVE 4090 SHEETING WITH COLORS SCREENED PRINTED AND APPLY 1160A PROTECTIVE OVERLAY FILM FOR A MATCHED COMPONENT SYSTEM WARRANTY.
- TEXT SHALL BE FHWA SERIES C FRUTIGER WITH 6" UPPERCASE AND 4 1/2" LOWERCASE LETTERING.
- LOGO SHALL BE PLACED ON THE LEFT SIDE OF EACH SIGN FACE AS SHOWN. SIGNS ARE DOUBLE SIDED.
- ALL SIGNS SHALL BE ORDERED FROM THE CITY OF OXNARD.
- SIGN PANEL IS "I" SHAPED EXTRUDED ALUMINUM 9" WIDE, MINIMUM LENGTH 30" MAXIMUM 48".
- ABBREVIATIONS SHALL BE USED FOR TYPE OF STREET EXCEPT LETTERED STREETS (I.E. A STREET).
- STREET NAME SIGN FOR PRIVATE STREET SHALL INCLUDE THE WORD "PRIVATE" AT THE UPPER RIGHT CORNER OF THE PLATE AS SHOWN ON THE ABOVE DETAIL.



STREET NAME SIGN

DRAWN: C. GIRON CKD.: A. WITHANAGE

Department of Public Works

APPR. *R. Hearne*
ROBERT HEARNE, PE

STANDARD PLAN
2002

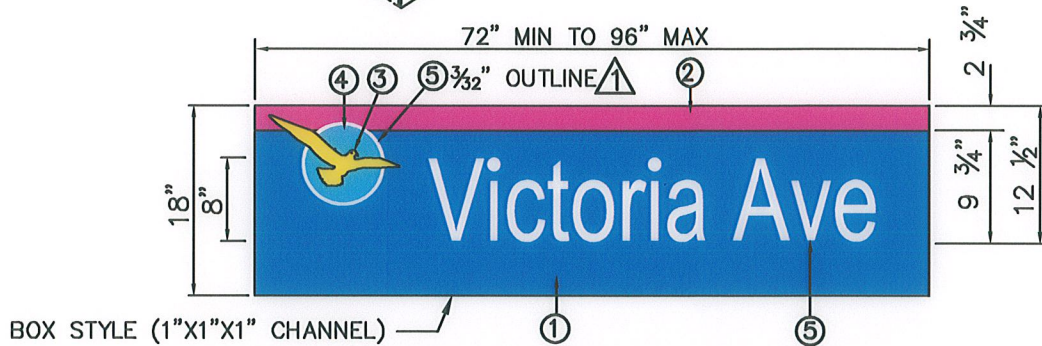
PLATE 205

SHEET 2 OF 2

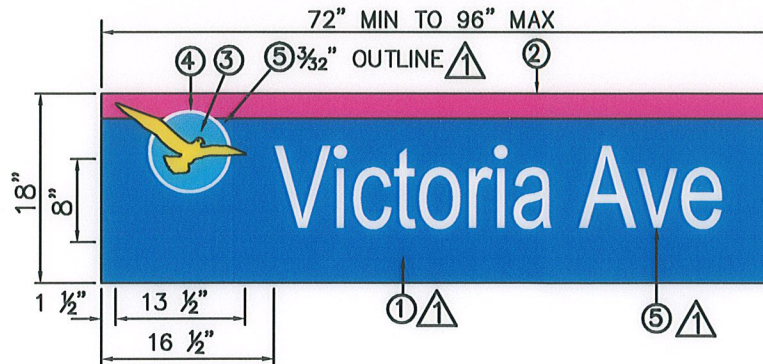
SA100 HEAVY DUTY
ADJUSTABLE BRACKET

SA100 HEAVY DUTY
FIXED BRACKET

1"x1"x1" ALUMINUM
CHANNEL "PICTURE
FRAME"



OVERHEAD STREET NAME SIGN



ADVANCE STREET NAME SIGN

COLOR SCHEDULE

NO.	COLOR NO.	COLOR NAME	FINISH
①	PMS 653c	BLUE	3M TRANSPARENT INK
②	PMS 248c	VIOLET	3M TRANSPARENT INK
③	PMS 128c	YELLOW	3M TRANSPARENT INK
④	PMS 284c	LT. BLUE	3M TRANSPARENT INK
⑤	3M DIAMOND GRADE CUBE REFLECTIVE 4090 WHITE SHEETING		

- SURFACE SHALL BE COVERED WITH 3M DIAMOND GRADE CUBE REFLECTIVE 4090 SHEETING WITH COLORS SCREENED PRINTED AND APPLY 1160A PROTECTIVE OVERLAY FILM FOR A MATCHED COMPONENT SYSTEM WARRANTY.
- TEXT SHALL BE FHWA SERIES C FRUTIGER WITH 8" UPPERCASE AND 6" LOWERCASE LETTERING.
- LOGO SHALL BE PLACED ON THE LEFT SIDE OF EACH SIGN FACE.
- ALL SIGNS SHALL BE ORDERED FROM THE CITY OF OXNARD.



OVERHEAD & ADVANCE STREET NAME SIGN

DRAWN: C. GIRON CKD.: A. WITHANAGE

Department of Public Works

APPR. *R. Hearne*
ROBERT HEARNE, PE

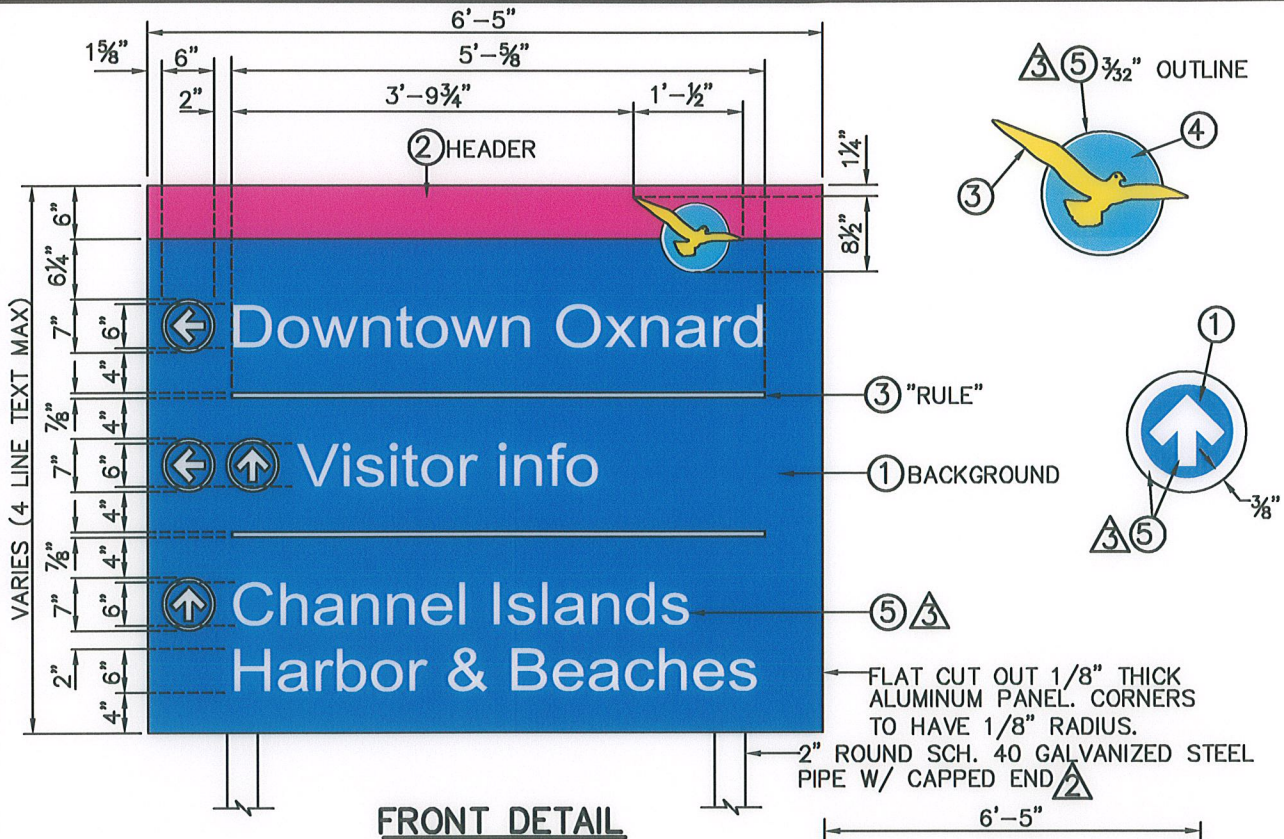
STANDARD PLAN
2002

PLATE 206

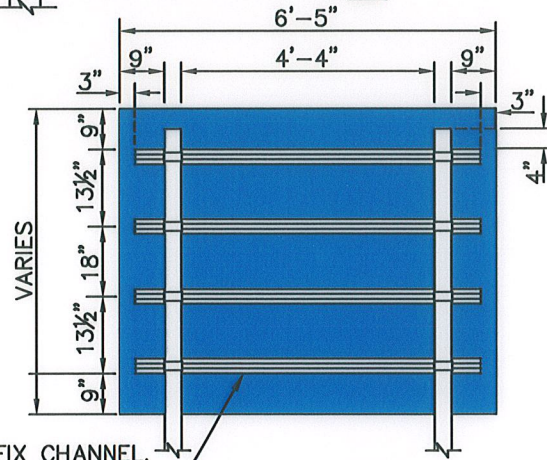
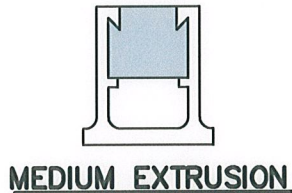
SHEET 1 OF 1

REV.	APPR.	BY	DATE

REV.	APPR.	BY	DATE
3	Robert Hearne	6/21/16	
1	Lou B.	4/19/06	
2	Lou B.	10/19/06	



FRONT DETAIL



BACK DETAIL

COLOR SCHEDULE

NO.	COLOR NO.	COLOR NAME	FINISH
①	PMS 653c	BLUE	3M TRANSPARENT INK
②	PMS 248c	VIOLET	3M TRANSPARENT INK
③	PMS 128c	YELLOW	3M TRANSPARENT INK
④	PMS 284c	LT. BLUE	3M TRANSPARENT INK
⑤	3M DIAMOND GRADE CUBE REFLECTIVE 4090 WHITE SHEETING		

- SURFACE SHALL BE COVERED WITH 3M DIAMOND GRADE CUBE REFLECTIVE 4090 SHEETING WITH COLORS SCREENED PRINTED AND APPLY 1160A PROTECTIVE OVERLAY FILM FOR A MATCHED COMPONENT SYSTEM WARRANTY.
- TEXT SHALL BE FHWA SERIES C FRUTIGER WITH 6" UPPERCASE AND 4 1/2" LOWERCASE LETTERING.
- LAST LINE OF TEXT SHALL BE 4" FROM BOTTOM OF SIGN. MAX HEIGHT OF SIGN SHALL BE 5'-3".
- THREE LINES OF TEXT MAXIMUM EXCEPT AS SHOWN.
- ALL SIGNS SHALL BE ORDERED FROM THE CITY OF OXNARD. FINAL TEXT LAYOUT SHALL BE APPROVED BY THE CITY TRAFFIC ENGINEER PRIOR TO THE CONSTRUCTION OF SIGN.



WAYFINDING SIGN

DRAWN: C. GIRON CKD.: A. WITHANAGE
Department of Public Works

APPR. *R. Hearne*
 ROBERT HEARNE, PE

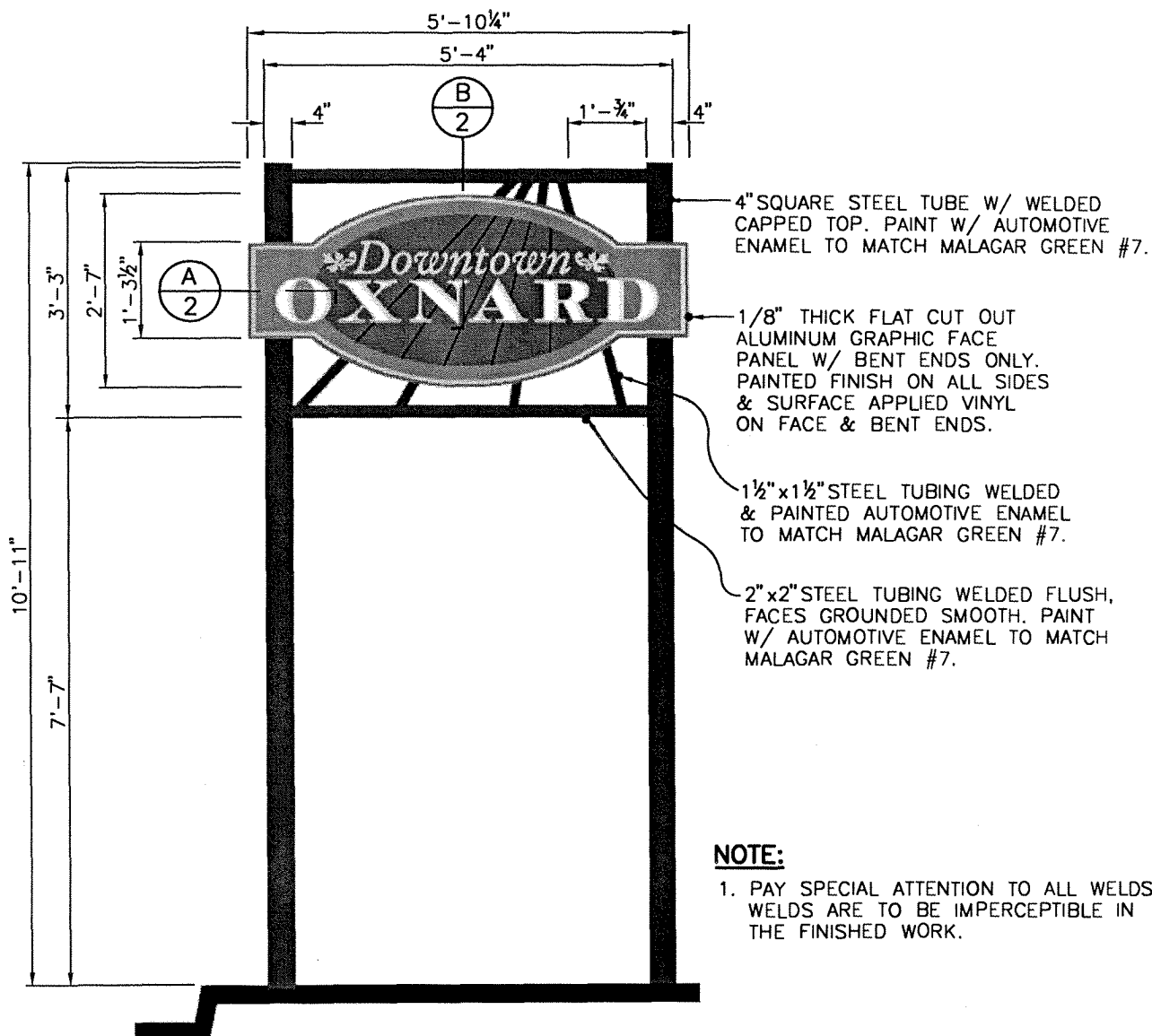
STANDARD PLAN
 2002

PLATE 207

SHEET 1 OF 1

REV.	APPR.	BY	DATE

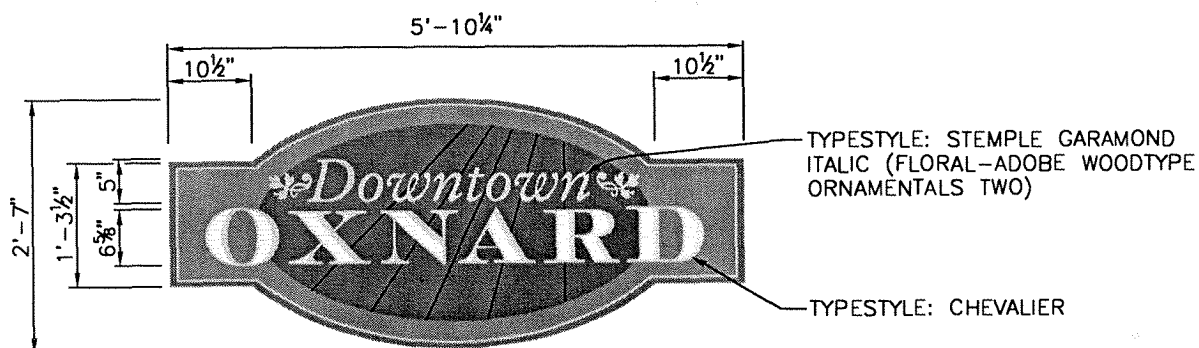
REV.	APPR.	BY	DATE



NOTE:

1. PAY SPECIAL ATTENTION TO ALL WELDS. WELDS ARE TO BE IMPERCEPTIBLE IN THE FINISHED WORK.

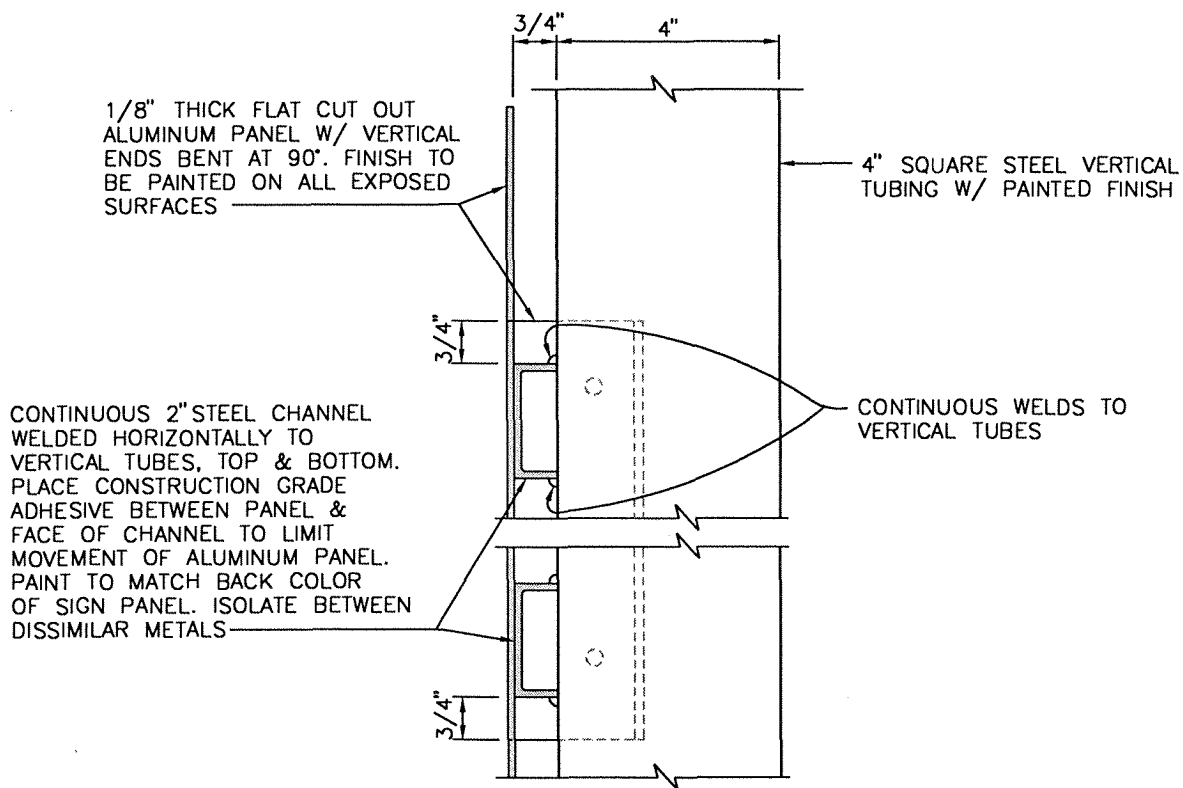
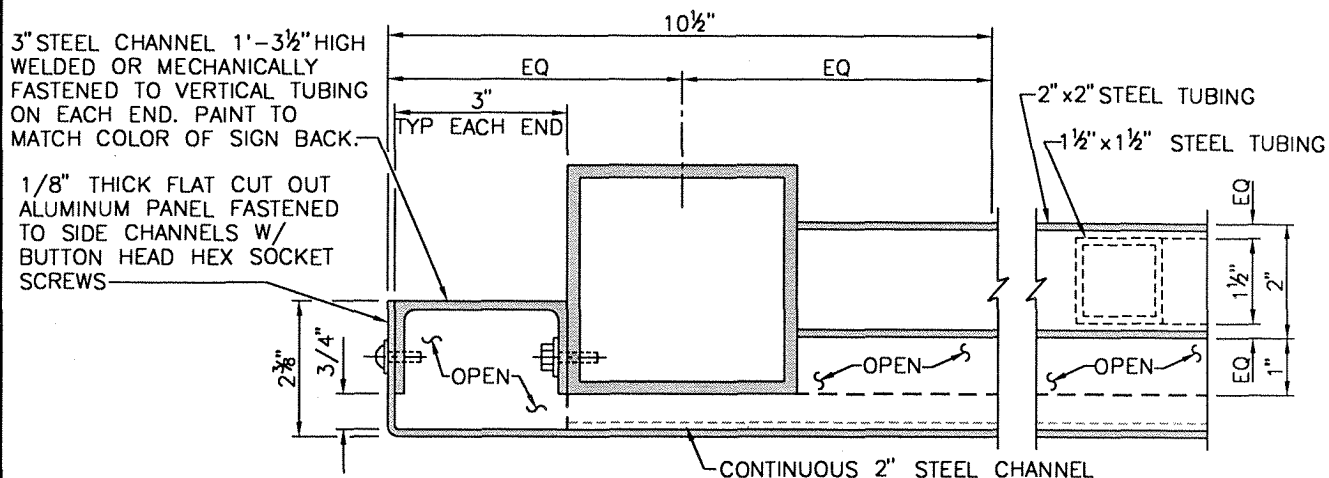
ELEVATION: SIGN TYPE 1



LAYOUT

	DOWNTOWN SIGNAGE		STANDARD PLAN
	DRAWN: A. Roque CKD.: <i>[Signature]</i>		PLATE 208 SHEET 1 OF 12
	Department of Public Works APPR: <i>[Signature]</i> 1-6-06 L. Balderrama, City Engineer		

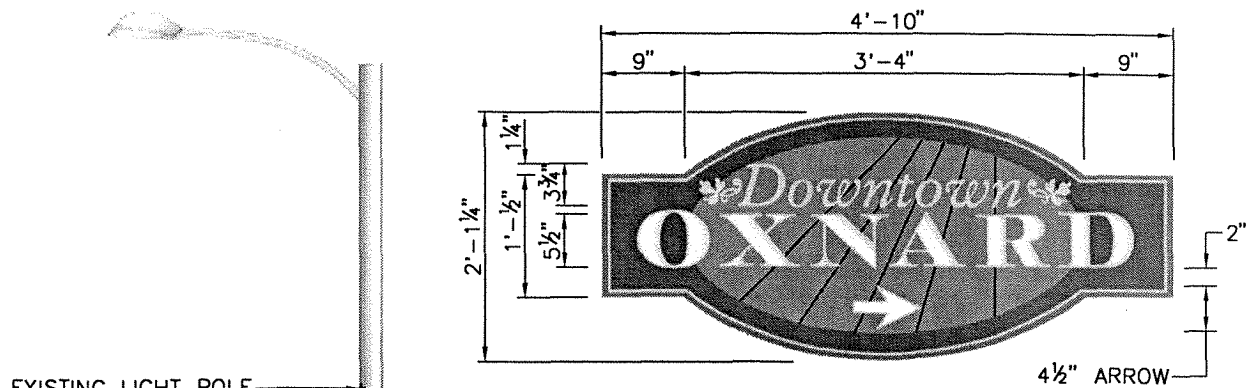
REV.	APPR. BY	DATE



	DOWNTOWN SIGNAGE		STANDARD PLAN
	DRAWN: <u>A. Roque</u>	CKD.: <u>[Signature]</u>	APPR. <u>[Signature]</u> L. Balderrama, City Engineer	PLATE 208 SHEET 2 OF 12

REV.	APPR.	BY	DATE

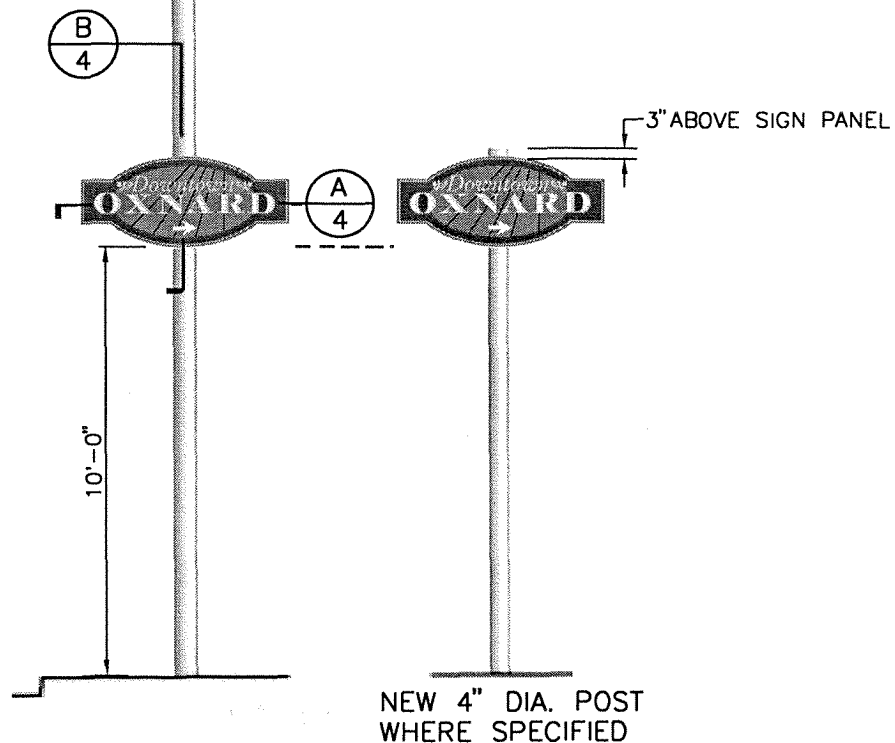
REV.	APPR.	BY	DATE



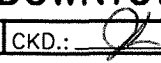
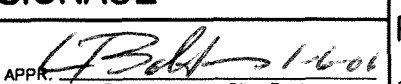
LAYOUT

NOTES:

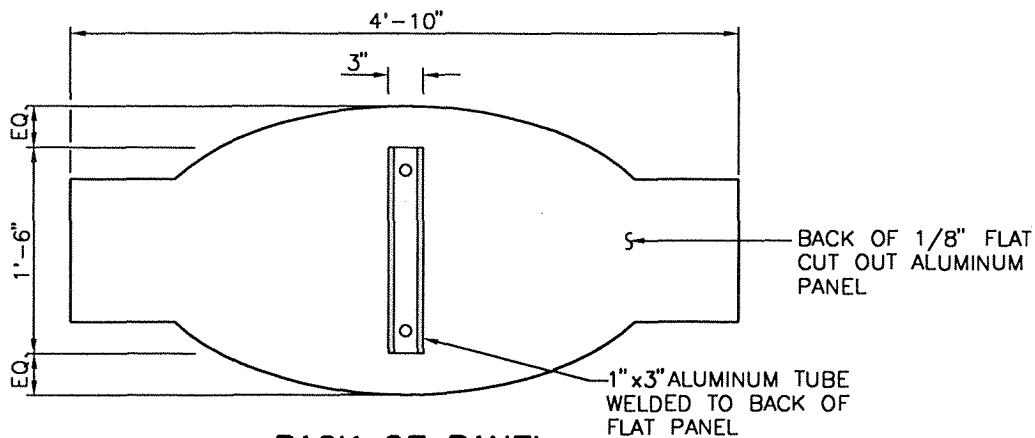
1. PAY SPECIAL ATTENTION TO ALL WELDS. WELDS ARE TO BE IMPERCEPTIBLE IN THE FINISHED WORK.
2. ATTACH PANELS SO THAT THEY ARE PLUMB.
3. PROVIDE FOOTING DETAIL FOR ALL NEW POST CONDITIONS.



ELEVATION: SIGN TYPE 2

	DOWNTOWN SIGNAGE		STANDARD PLAN	
	DRAWN: A. Roque	CKD.: 	 L. Balderrama, City Engineer	PLATE 208
	Department of Public Works			SHEET 3 OF 12

REV.	APPR. BY	DATE



BACK OF PANEL

1/8" THICK FLAT CUT OUT ALUMINUM
GRAPHIC FACE PANEL W/ PAINTED
FINISH & SURFACE APPLIED VINYL——

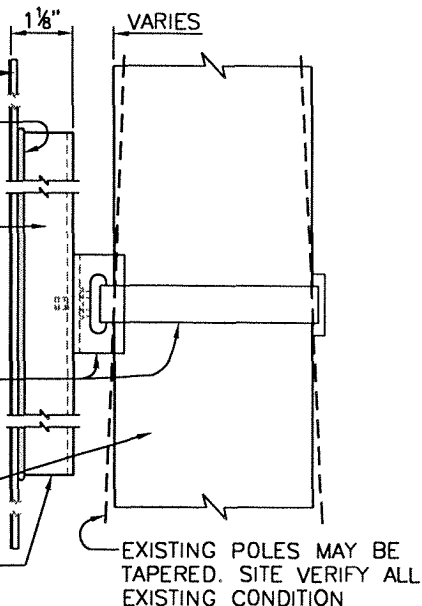
CONTINUOUS WELD

1"x3"ALUMINUM TUBE WELDED TO
BACK OF PANEL. PAINTED TO
MATCH PANEL COLOR

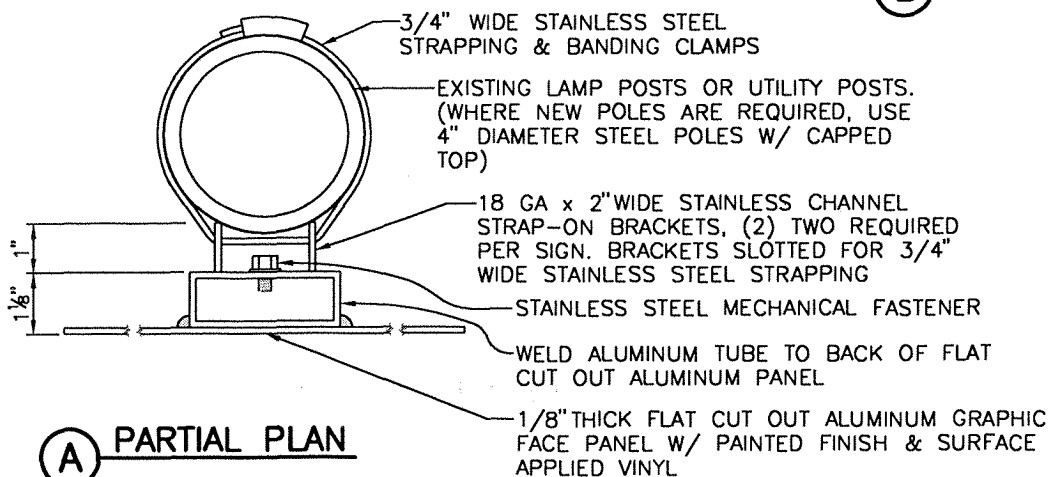
18 GA STAINLESS STEEL STRAP-ON
BRACKET. SLOTTED FOR 3/4"
STAINLESS STEEL STRAPPING _____

EXISTING LAMP POST OR UTILITY POSTS.
(WHERE NEW POLES ARE REQUIRED,
USED 4" DIAMETER STEEL POLES W/
CAPPED TOP) _____

OPEN TOP & BOTTOM OF TUBE.



(B) SECTION DETAIL



(A) PARTIAL PLAN



DOWNTOWN SIGNAGE

DRAWN: A. Roque

CKD.:

Department of Public Works

APPENDIX

L. Balderrama, City Engineer

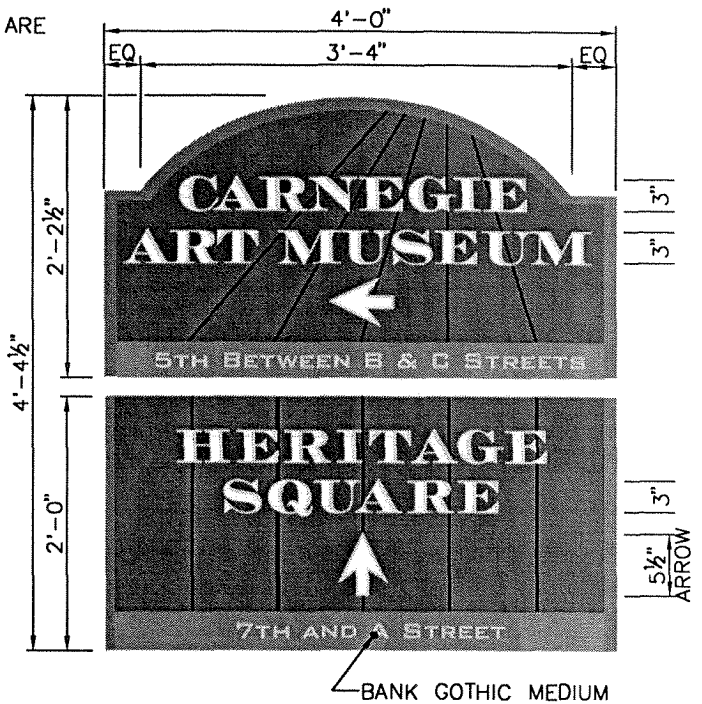
STANDARD PLAN

PLATE 208

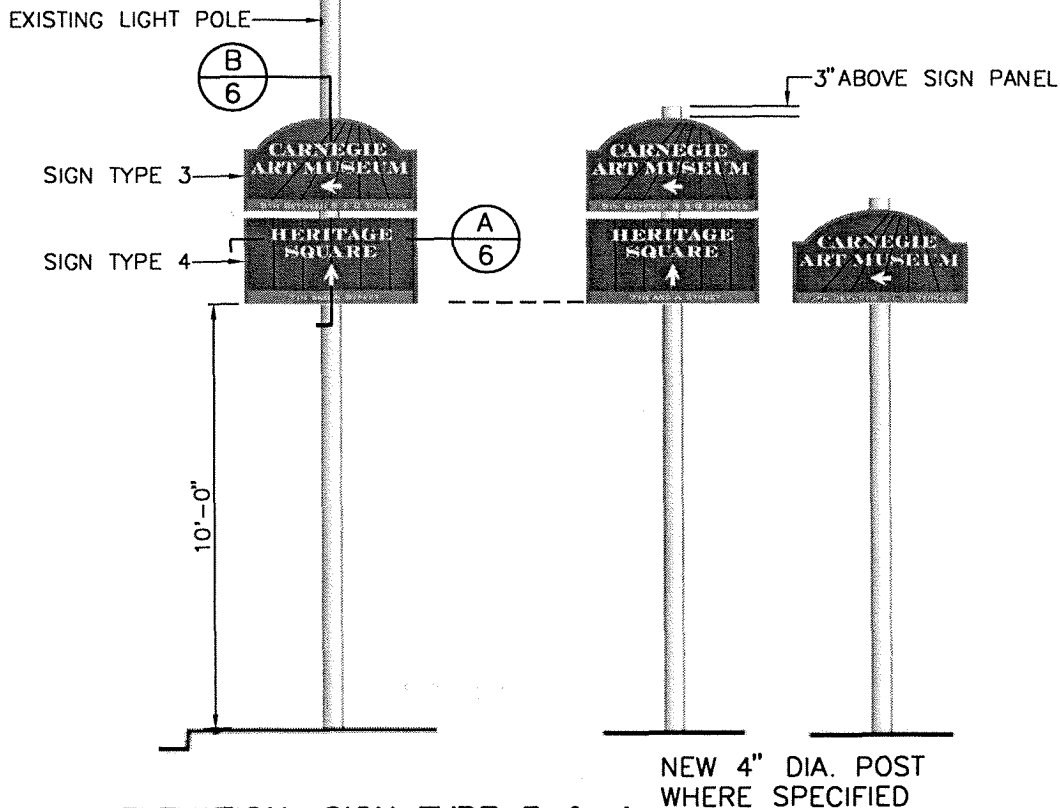
SHEET 4 OF 12

NOTES:

1. PAY SPECIAL ATTENTION TO ALL WELDS. WELDS ARE TO BE IMPERCEPTIBLE IN THE FINISHED WORK.
2. ATTACH PANELS SO THAT THEY ARE PLUMB. SIGN FACES TO BE FLUSH.
3. PROVIDE FOOTING DETAIL FOR ALL NEW POST CONDITIONS.
4. USE SIGN TYPE 3 FOR ALL SINGLE PANEL CONDITIONS.



LAYOUT



ELEVATION: SIGN TYPE 3 & 4



DOWNTOWN SIGNAGE

DRAWN: A. Roque

CKD.: *[Signature]*

Department of Public Works

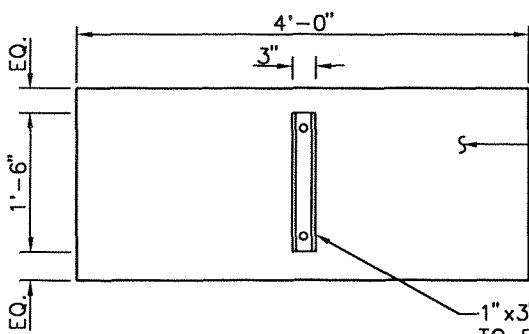
APPR.

[Signature] 1-6-06
L. Balderrama, City Engineer

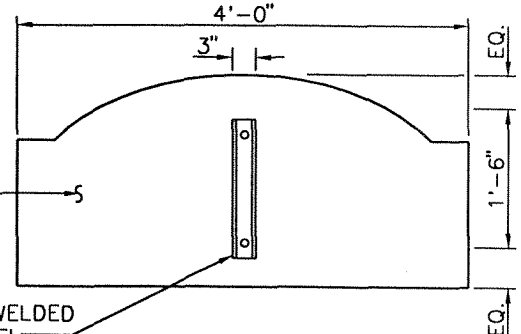
STANDARD PLAN

PLATE 208

SHEET 5 OF 12



BACK OF PANEL-SIGN TYPE 4



BACK OF PANEL-SIGN TYPE 3

1/8" THICK FLAT CUT OUT ALUMINUM GRAPHIC FACE PANEL W/ PAINTED FINISH & SURFACE APPLIED VINYL

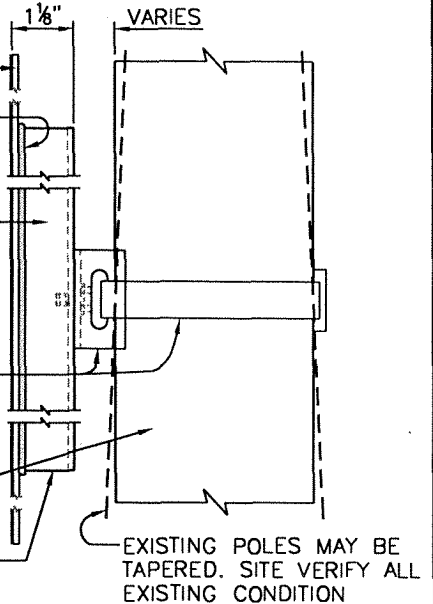
CONTINUOUS WELD

1" x 3" ALUMINUM TUBE WELDED TO BACK OF PANEL. PAINTED TO MATCH PANEL COLOR

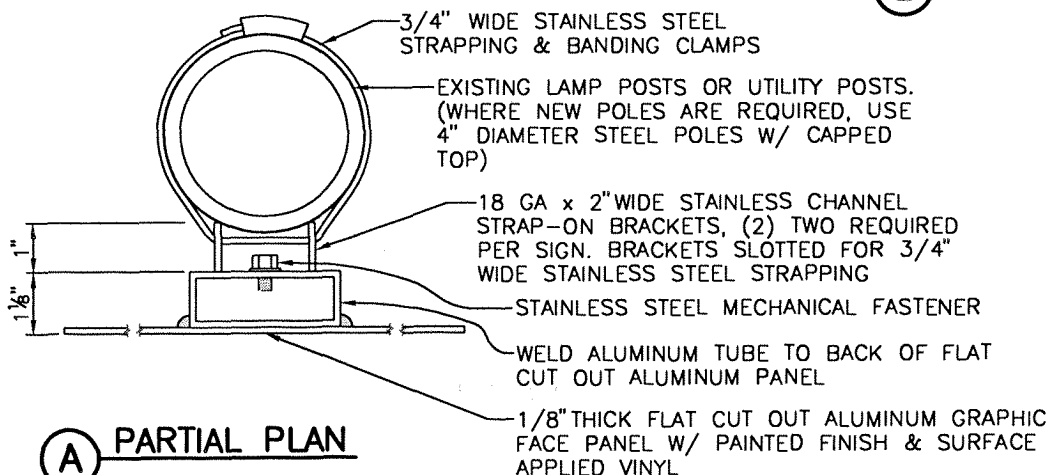
18 GA STAINLESS STEEL STRAP-ON BRACKET. SLOTTED FOR 3/4" STAINLESS STEEL STRAPPING

EXISTING LAMP POST OR UTILITY POSTS. (WHERE NEW POLES ARE REQUIRED, USED 4" DIAMETER STEEL POLES W/ CAPPED TOP)

OPEN TOP & BOTTOM OF TUBE



(B) SECTION DETAIL



(A) PARTIAL PLAN



DOWNTOWN SIGNAGE

DRAWN: A. Roque

CKD.: *[Signature]*

Department of Public Works

APPR. *[Signature]* 1-6-01
L. Balderrama, City Engineer

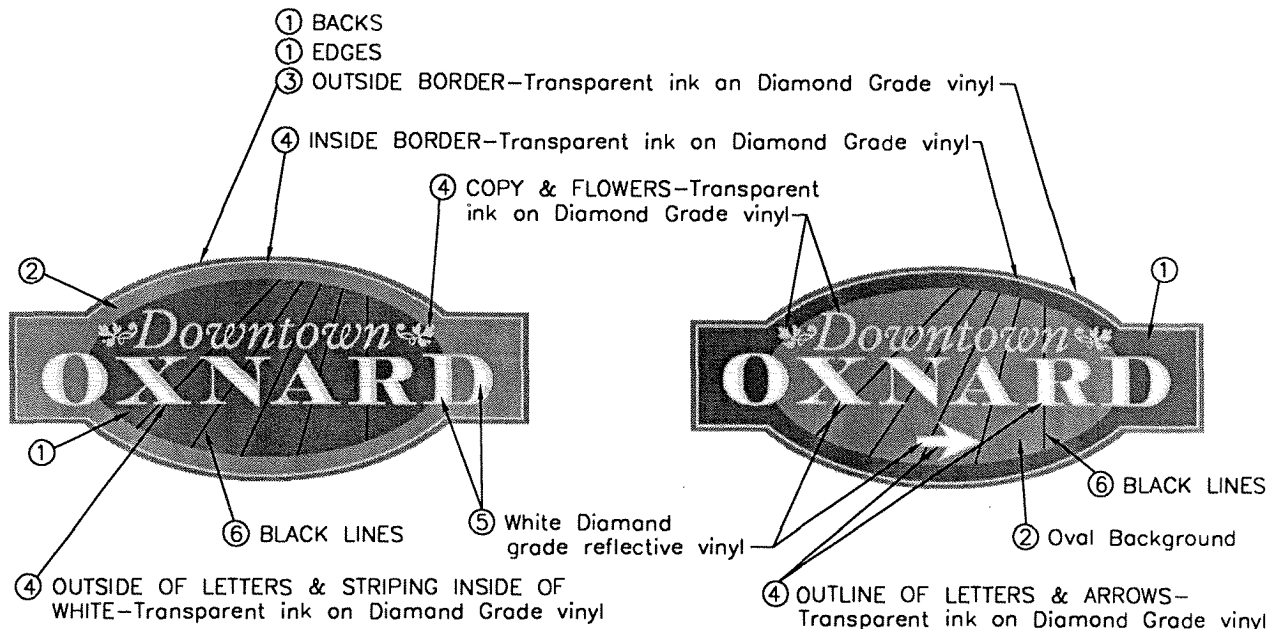
STANDARD PLAN

PLATE 208

SHEET 6 OF 12

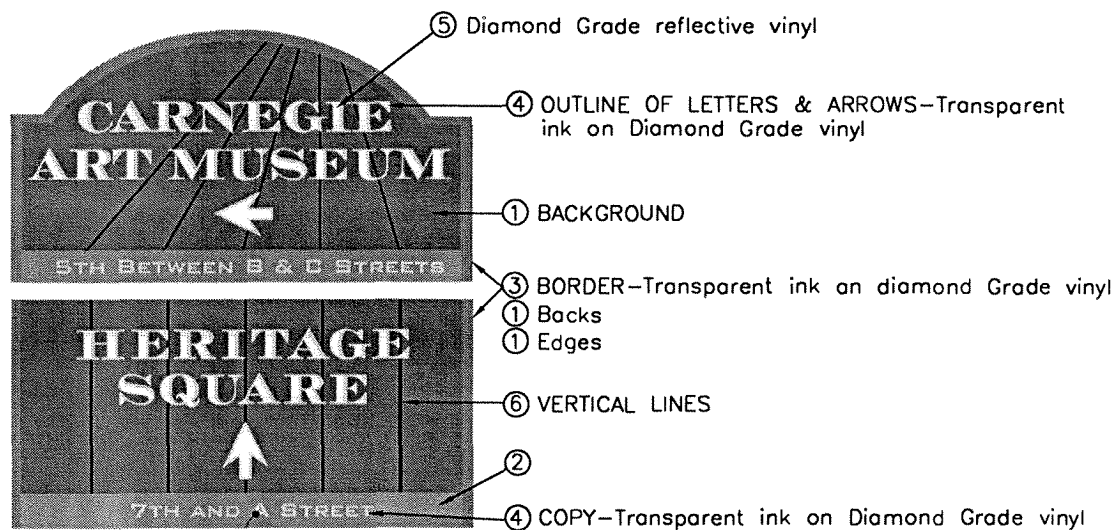
REV.	APPR.	BY	DATE

REV.	APPR.	BY	DATE



SIGN TYPE 1: COLORS

SIGN TYPE 2: COLORS



SIGN TYPE 3 (top) & SIGN TYPE 4 (bottom): COLORS

COLOR SCHEDULE

NO.	COLOR NO.	COLOR NAME	FINISH
①	PMS 266	PURPLE	OPAQUE SEMI-GLOSS
②	PMS 1805	RED	OPAQUE SEMI-GLOSS
③	PMS Prac. CYAN (match)	BLUE (transparent ink)	REFLECTIVE
④	PMS 136 (match)	YELLOW (transparent ink)	REFLECTIVE
⑤	3M 980-10 (Diamond Grade)	WHITE	REFLECTIVE
⑥	PMS Process Black	BLACK	SEMI-GLOSS
⑦	Malagar Green	GREEN	SEMI-GLOSS

NOTE: PROVIDE UV INHIBITOR SHEETING OVER FULL PANEL.



DOWNTOWN SIGNAGE

DRAWN: A. Roque

CKD.: *[Signature]*

Department of Public Works

APPR.

[Signature] 1-6-06
L. Bolderramo, City Engineer

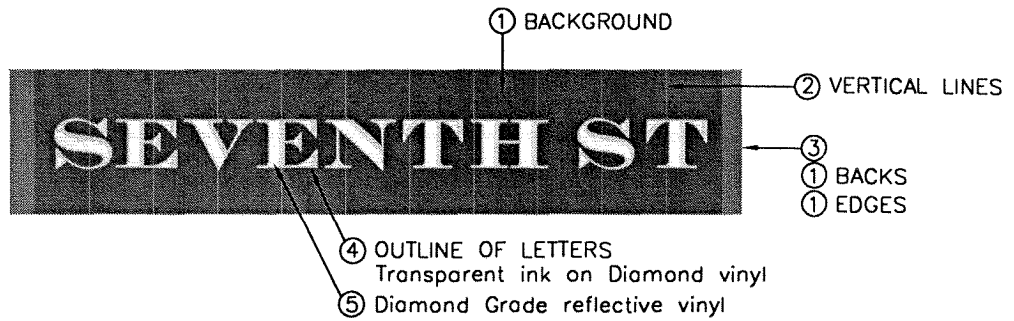
STANDARD PLAN

PLATE 208

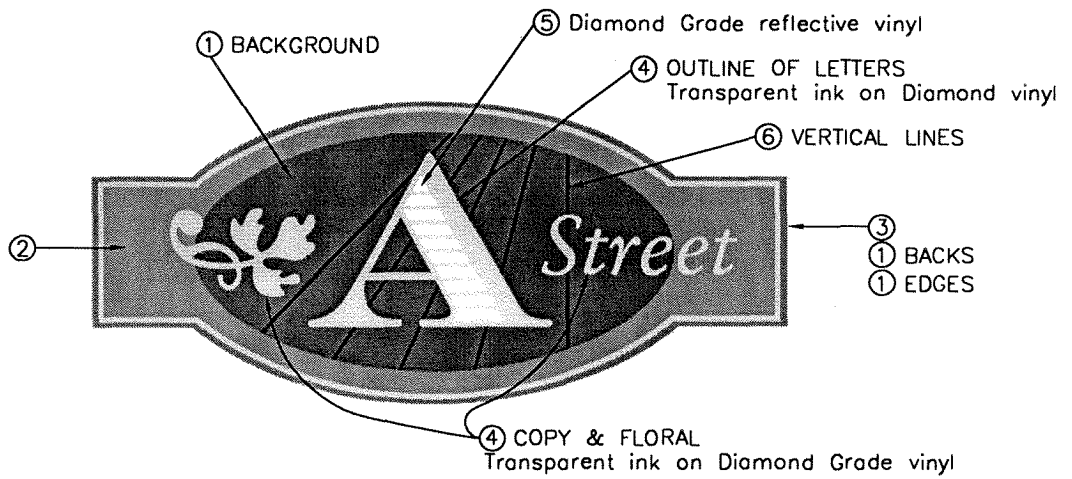
SHEET 7 OF 12

REV.	APPR. BY	DATE

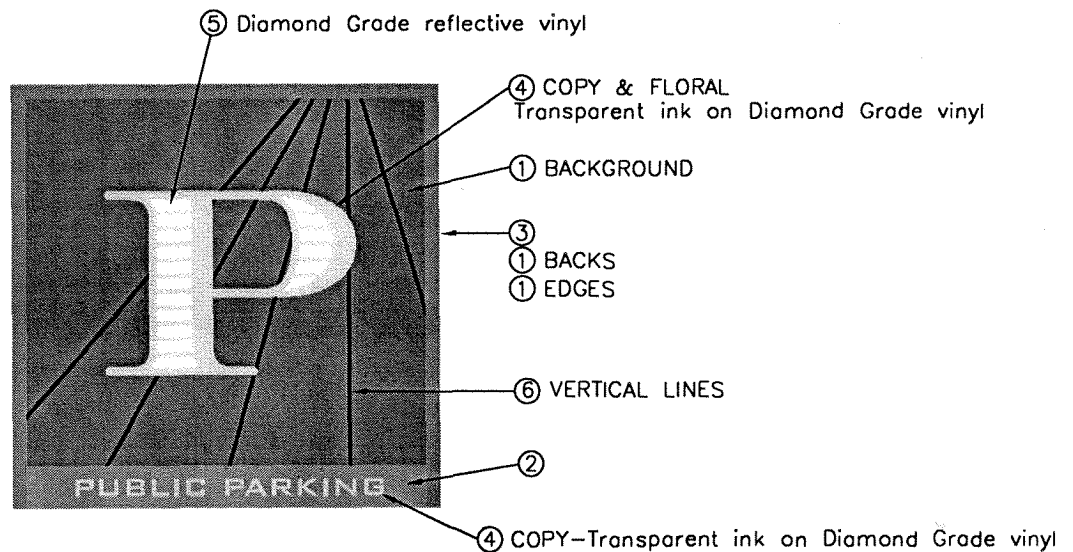
REV.	APPR. BY	DATE



SIGN TYPE 7: COLORS



SIGN TYPE 6: COLORS



SIGN TYPE 5: COLORS



DOWNTOWN SIGNAGE

DRAWN: A. Roque

CKD.: *[Signature]*

Department of Public Works

APPR.

[Signature] 1-6-06
L. Balderrama, City Engineer

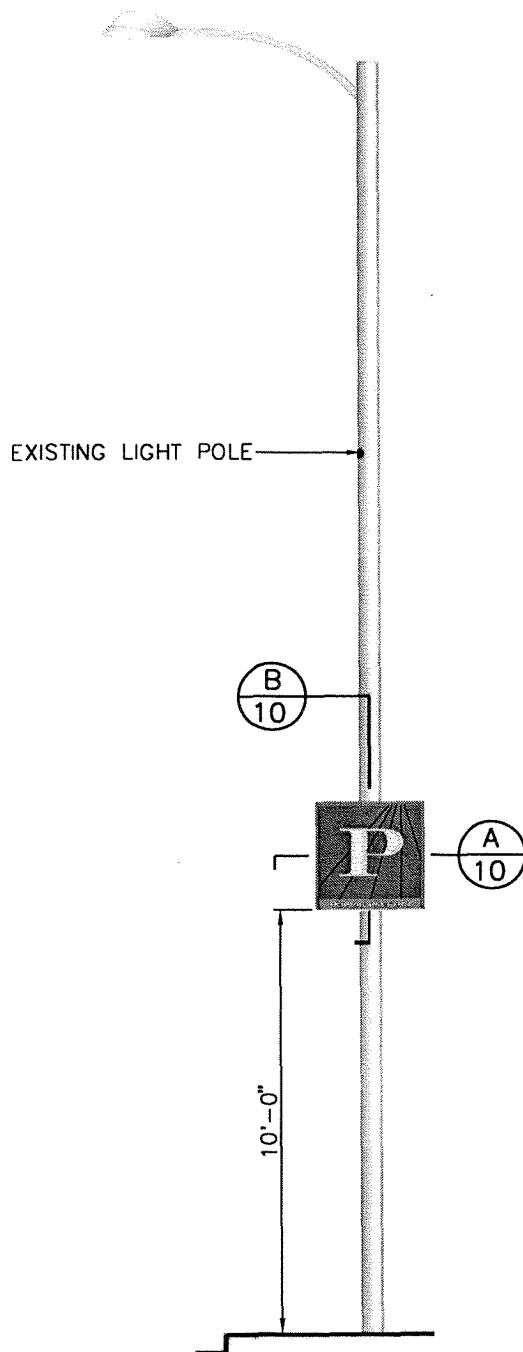
STANDARD PLAN

PLATE 208

SHEET 8 OF 12

REV.	APPR.	BY	DATE

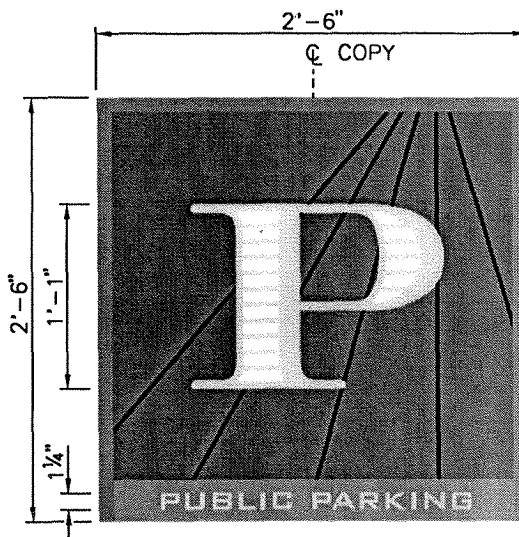
REV.	APPR.	BY	DATE



ELEVATION: SIGN TYPE 5

NOTES:

1. PAY SPECIAL ATTENTION TO ALL WELDS. WELDS ARE TO BE IMPERCEPTIBLE IN THE FINISHED WORK.
2. ATTACH PANELS SO THAT THEY ARE PLUMB.
3. EXACT QUANTITY & ON SITE PLACEMENT OF EACH PANEL TO BE DETERMINED PRIOR TO FABRICATION.
4. VERIFY ALL EXISTING POLE CONDITIONS & REQUIREMENTS FOR NEW POLES PRIOR TO FABRICATION.



LAYOUT



DOWNTOWN SIGNAGE

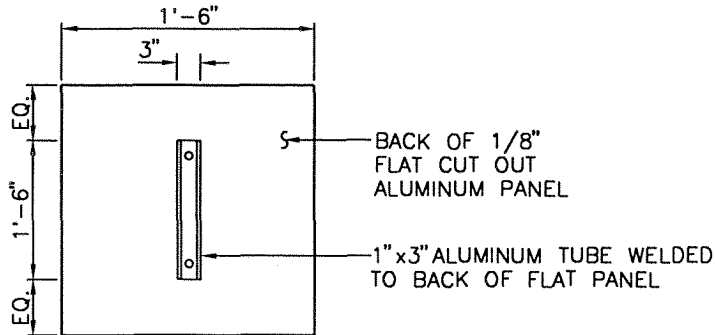
DRAWN: A. Roque CKD.: *[Signature]*
Department of Public Works

APPR: *[Signature]* 1-6-06
 L. Balderrama, City Engineer

STANDARD PLAN

PLATE 208

SHEET 9 OF 12



BACK OF PANEL—SIGN TYPE 5

1/8" THICK FLAT CUT OUT ALUMINUM GRAPHIC FACE PANEL W/ PAINTED FINISH & SURFACE APPLIED VINYL

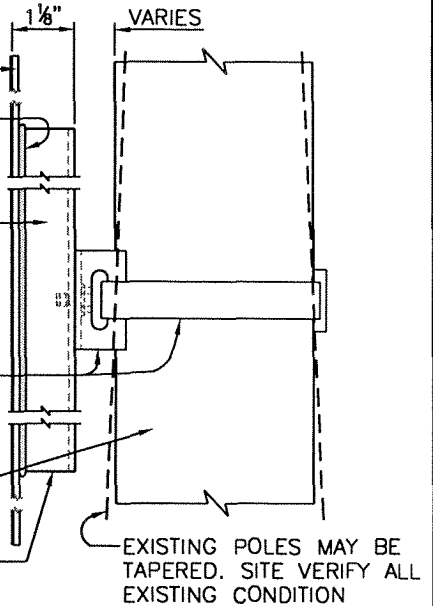
CONTINUOUS WELD

1"x3" ALUMINUM TUBE WELDED TO BACK OF PANEL. PAINTED TO MATCH PANEL COLOR

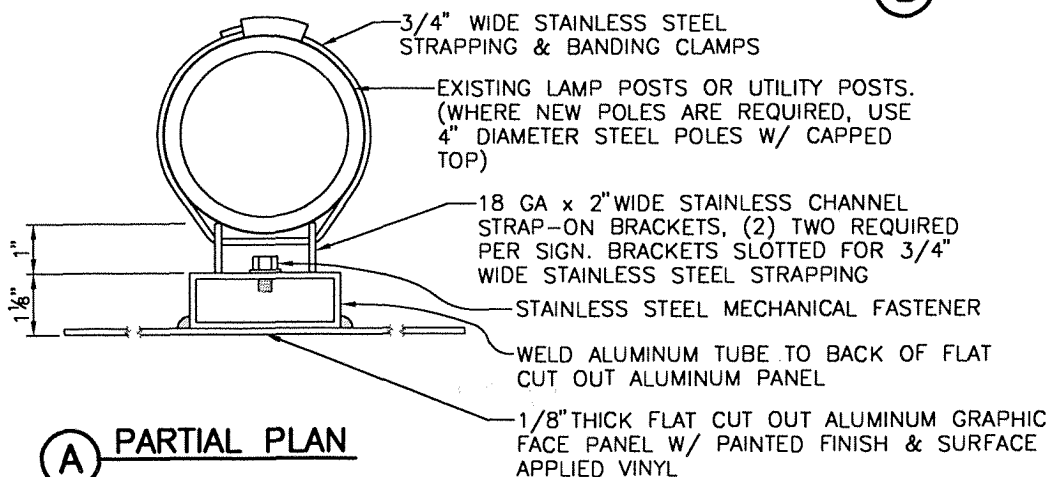
18 GA STAINLESS STEEL STRAP-ON BRACKET. SLOTTED FOR 3/4" STAINLESS STEEL STRAPPING

EXISTING LAMP POST OR UTILITY POSTS. (WHERE NEW POLES ARE REQUIRED, USED 4" DIAMETER STEEL POLES W/ CAPPED TOP)

OPEN TOP & BOTTOM OF TUBE



(B) SECTION DETAIL



(A) PARTIAL PLAN



DOWNTOWN SIGNAGE

DRAWN: A. Roque

CKD.: *[Signature]*

Department of Public Works

APPR.

[Signature] 1-6-06
L. Balderrama, City Engineer

STANDARD PLAN

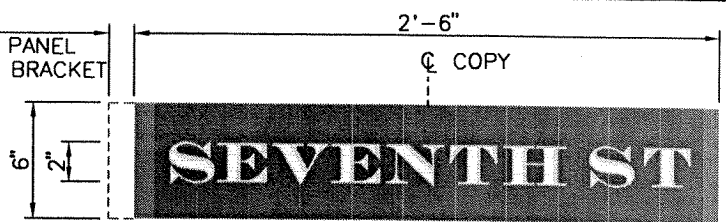
PLATE 208

SHEET 10 OF 12

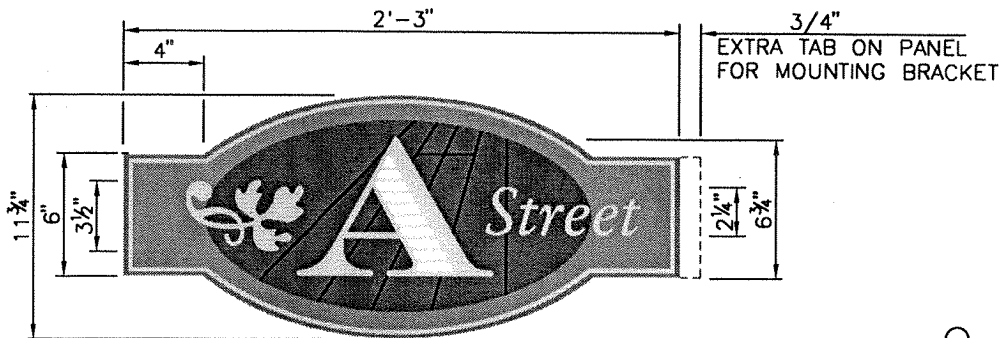
REV.	APPR.	BY	DATE

REV.	APPR.	BY	DATE

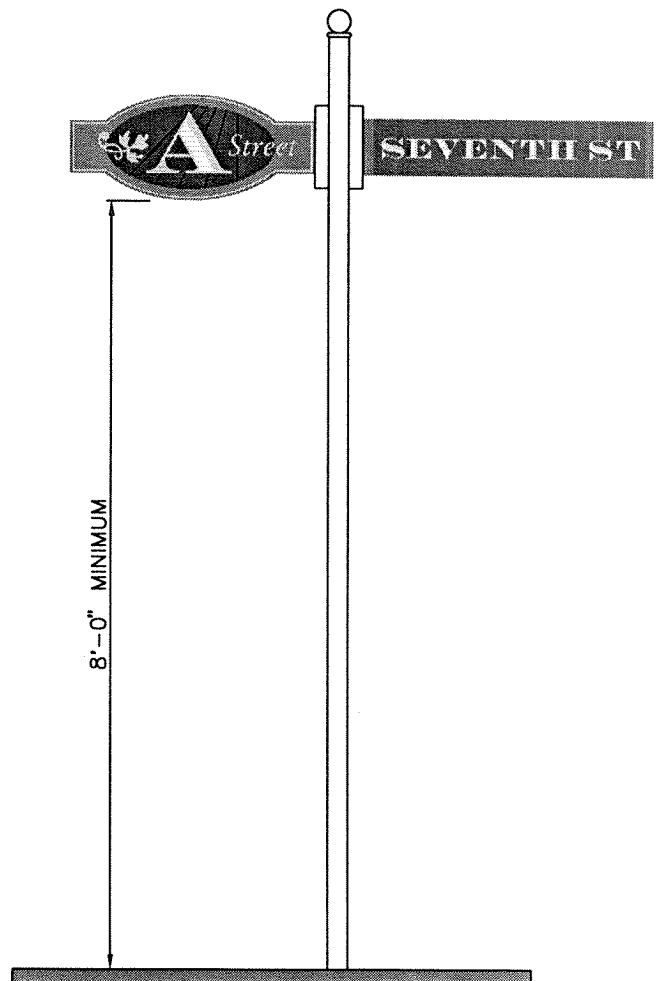
3/4"
EXTRA TAB ON PANEL
FOR MOUNTING BRACKET



LAYOUT: SIGN TYPE 7



LAYOUT: SIGN TYPE 6



ELEVATION: SIGN TYPE 6 & 7

	FIRST ST
	SECOND ST
	THIRD ST
	FOURTH ST
	FIFTH ST
	SIXTH ST
	SEVENTH ST
	EIGHTH ST
	NINETH ST

MESSAGES USED

NOTES:

1. EXACT QUANTITY & ON SITE PLACEMENT OF EACH PANEL TO BE DETERMINED PRIOR TO FABRICATION.
2. VERIFY ALL EXISTING POLE CONDITIONS & REQUIREMENTS FOR NEW POLES PRIOR TO FABRICATION.



DOWNTOWN SIGNAGE

DRAWN: A. Roque CKD.: *[Signature]*
Department of Public Works

APPR. *[Signature]* 1-6-06
L. Bolderrama, City Engineer

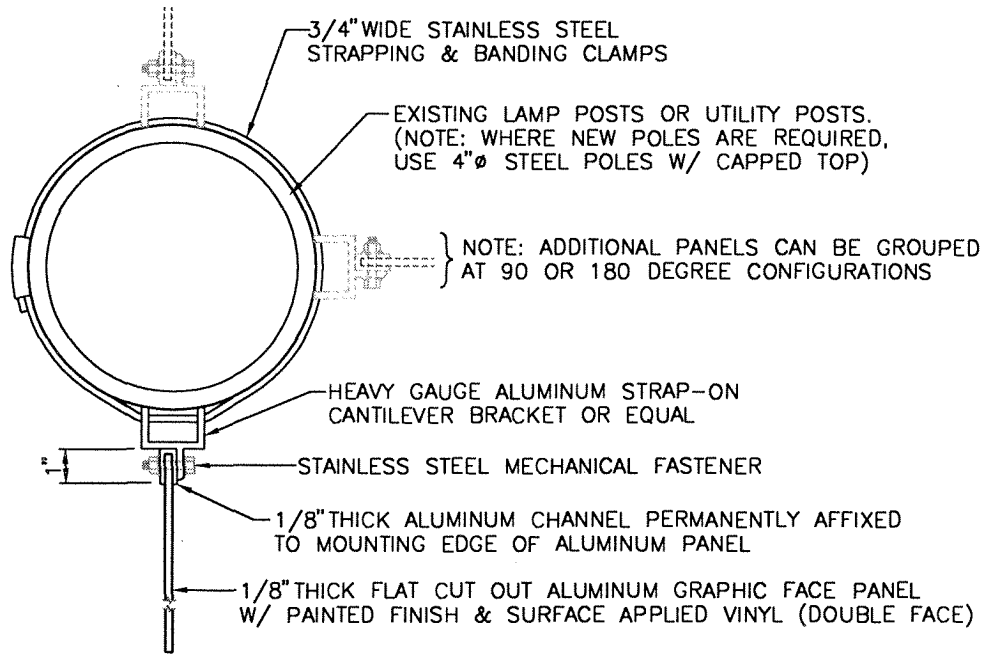
STANDARD PLAN

PLATE 208

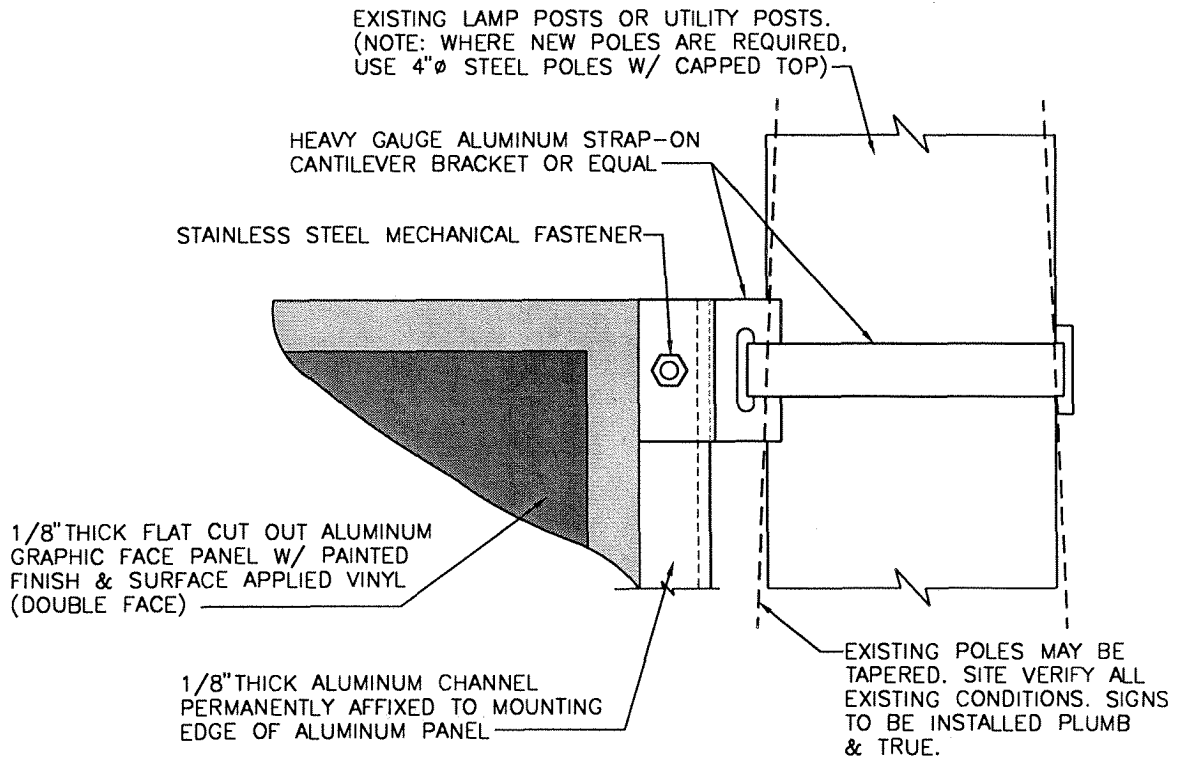
SHEET 11 OF 12

REV.	APPR.	BY	DATE

REV.	APPR.	BY	DATE



(A) PARTIAL PLAN



(B) SECTION DETAIL



DOWNTOWN SIGNAGE

DRAWN: A. Roque

CKD.: *[Signature]*

Department of Public Works

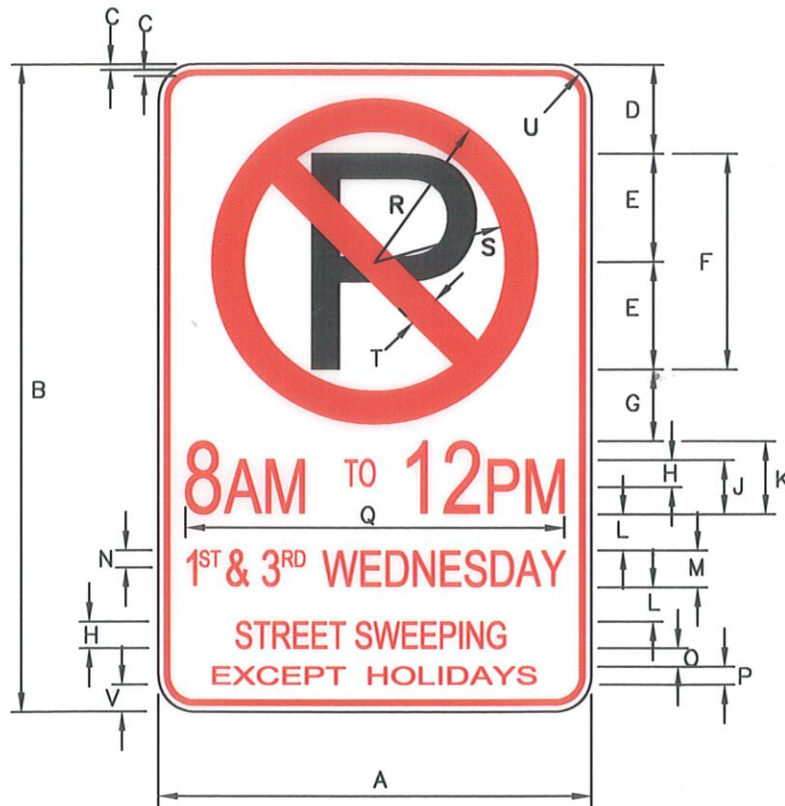
APPR.

[Signature] 1-6-06
L. Balderrama, City Engineer

STANDARD PLAN

PLATE 208

SHEET 12 OF 12



R30B (CA) – MODIFIED

ENGLISH UNITS

A	B	C	D	E	F	G	H	J	K
12	18	.25	2.5	3	6E	2	.75C	1.5C	2C

L	M	N	O	P	Q	R	S	T	U	V
1	1C	.45C	.5	.5C	10.5	4.5	3.625	.875	1.5	.75

COLORS: BORDER, CIRCLE, DIAGONAL & LEGEND – RED (RETROREFLECTIVE)
LETTER P – BLACK
BACKGROUND – WHITE (RETROREFLECTIVE)

NOTES:

- SIGN SHALL BE IN ACCORDANCE WITH MUTCD R30B (CA).
- SIGN SHALL BE $\frac{1}{8}$ " FLAT CUT OUT ALUMINUM PANEL.
- SURFACE SHALL BE COVERED WITH 3M DIAMOND GRADE CUBE REFLECTIVE 4090 SHEETING WITH COLORS SCREENED PRINTED AND APPLY 1160A PROTECTIVE OVERLAY FILM FOR A MATCHED COMPONENT SYSTEM WARRANTY.
- TEXT SHALL BE NORMALLY UPPERCASE LETTERS PER FHWA STANDARD ALPHABETS SERIES.
- SIGNS MUST BE INSTALLED @ APPROXIMATELY 250' INTERVAL.
- SIGN POST SHALL BE PER CITY STD PLATE NO. 203, AND MAY BE MOUNTED ON EXISTING LIGHT POLE/OR STRUCTURE WHENEVER PRACTICAL.
- EXACT QUANTITY & ON SITE PLACEMENT OF EACH PANEL TO BE DETERMINED PRIOR TO FABRICATION.
- VERIFY ALL EXISTING POLE CONDITIONS & REQUIREMENTS FOR NEW POLES PRIOR TO FABRICATION.
- DETERMINE & VERIFY EXACT ROUTINE SWEEPING SCHEDULES WITH THE PUBLIC WORKS STREET DIVISION PRIOR TO FABRICATION OF SIGNS.



STREET SWEEPING SIGN

DRAWN: C. GIRON CKD.: A. WITHANAGE

Department of Public Works

APPR.

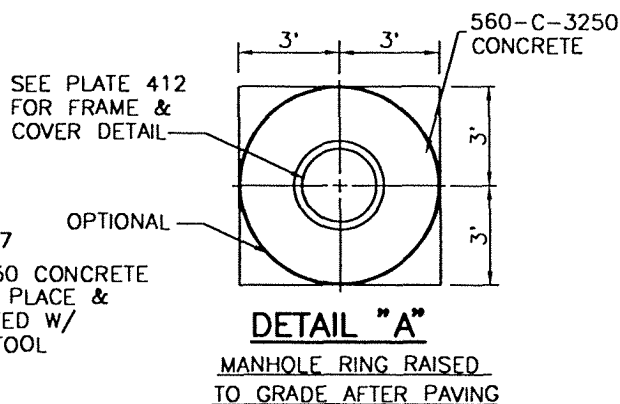
ROBERT HEARNE, PE

STANDARD PLAN
2002

PLATE 209

SHEET 1 OF 1

REV.	APPR. BY	DATE

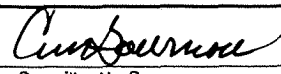


PROTECTIVE COATING FOR SEWER STRUCTURES

1. DRY SANDBLAST ALL CONCRETE AND MORTAR SURFACES THAT HAVE CURED FOR AT LEAST SEVEN DAYS. THIS SHALL BE THE ONLY METHOD ALLOWED FOR SURFACE PREPARATION.
2. SACK ALL CONCRETE AND MORTAR SURFACES WITH 1:1 MORTAR TO REMOVE ALL SURFACE INDENTATIONS AND IMPERFECTIONS. WHEN MORTAR HAS CURED FOR TWO DAYS, REMOVE EXCESS DUST AND MORTAR WITH A STIFF NON-METALLIC BRUSH.
3. ALL INTERIOR SURFACES OF MANHOLE SHALL BE COATED WITH SANCON 100, SANCON 144, ZEBRON URETHANE COATING, OR SPRAYROQ "SPRAYWALL" POLY-URETHANE (OR APPROVED EQUAL) IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS TO A 125 MIL ($\frac{1}{8}$ ") CURED THICKNESS (MIN.).
4. MANHOLE INTERIORS SHALL NOT BE EXPOSED TO TEST LIQUIDS OR SEWAGE UNTIL THE COATING HAS CURED FOR 7 DAYS.

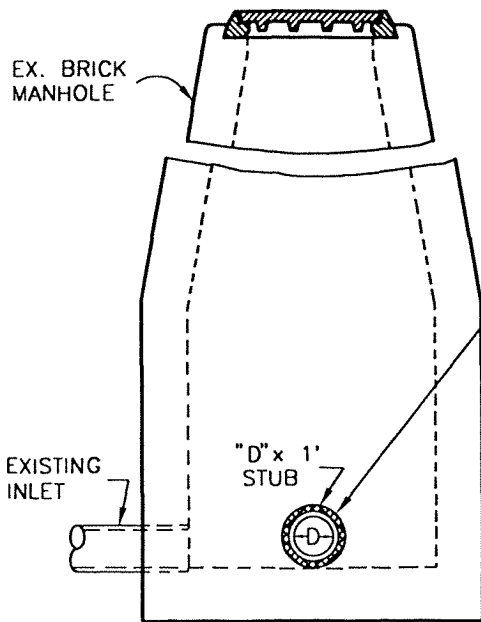
REV.	APPR. BY	DATE

REV.	APPR. BY	DATE

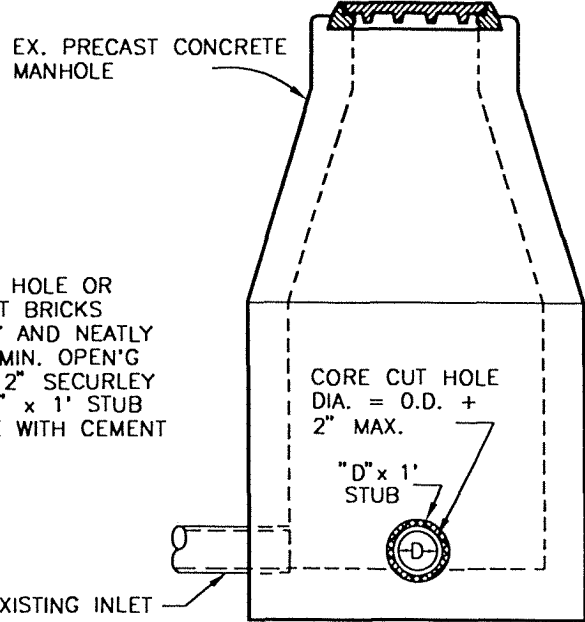
 CITY OF Oxnard	PRE CAST CONCRETE MANHOLE		STANDARD PLAN 2002	
	DRAWN: STAF	CKD.: STAFF <i>JB</i>	 APPR. Granville M. Bowman	
	Department of Public Works		PLATE 400 SHEET 2 OF 2	

REV.	DATE
APPR.	BY

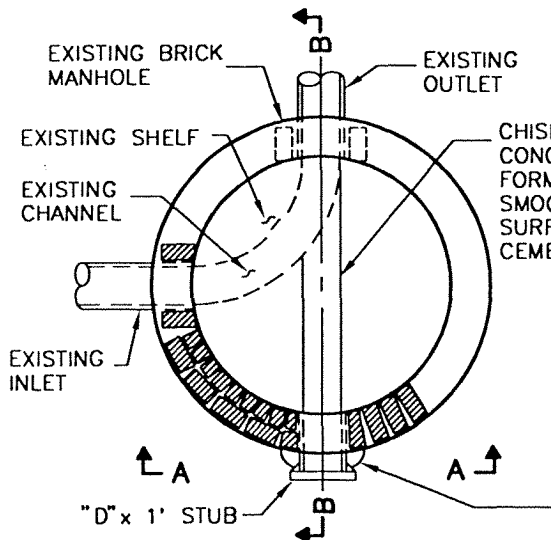
REV.	DATE
APPR.	BY



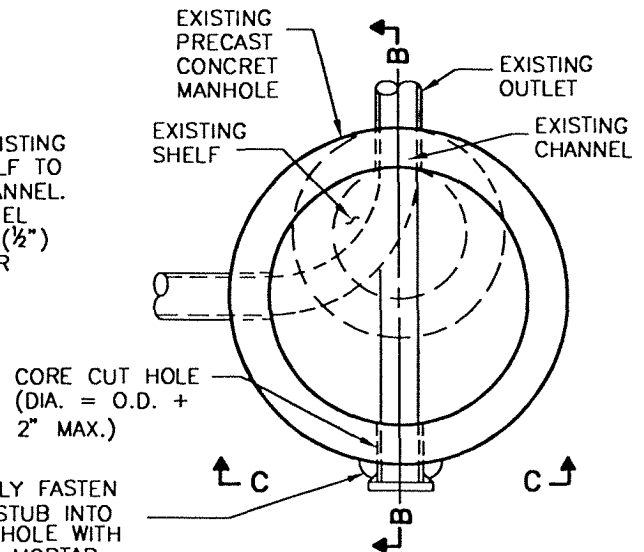
SECTIONAL ELEVATION A-A



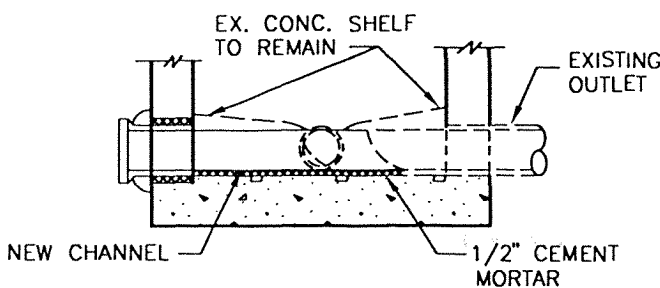
SECTIONAL ELEVATION C-C



SECTIONAL PLAN OF BASE



SECTIONAL PLAN OF BASE



SECTIONAL ELEVATION B-B
CHANNEL BASE

NOTES:

1. INVERT ELEV. OF "D" AT THE INSIDE FACE OF MANHOLE TO BE 0.10' HIGHER THAN EXISTING OUTLET INVERT ELEV.
2. THE CORE CUT HOLE SHALL BE MADE WITH EQUIPMENT SPECIALLY DESIGNED TO CUT A SMOOTH HOLE WITHOUT SPALLING OR DAMAGE TO THE REINFORCING STEEL OR STRUCTURE.
3. "D" TO BE 8 IN. MINIMUM.
4. ALL WORK SHOULD BE UNCOVERED AND CONVENIENT FOR THE INSPECTION.
5. ALL CEMENT MORTAR SHALL BE CLASS "D" PER SUB-SECTION 201-5.1 OF THE SSPWC.



CITY OF

MODIFYING EXISTING MANHOLES

DRAWN: STAFF

CKD.: STAFF *B*

Department of Public Works

APPR.

Granville M. Bowman
Granville M. Bowman

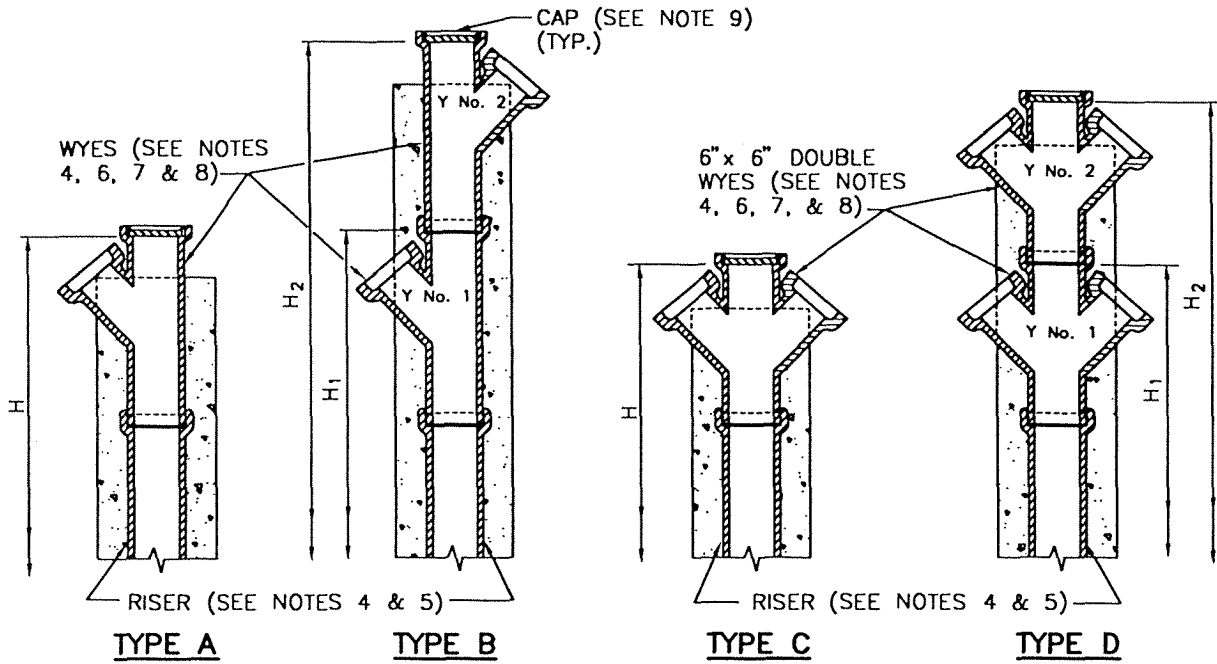
STANDARD PLAN
2002

PLATE 401

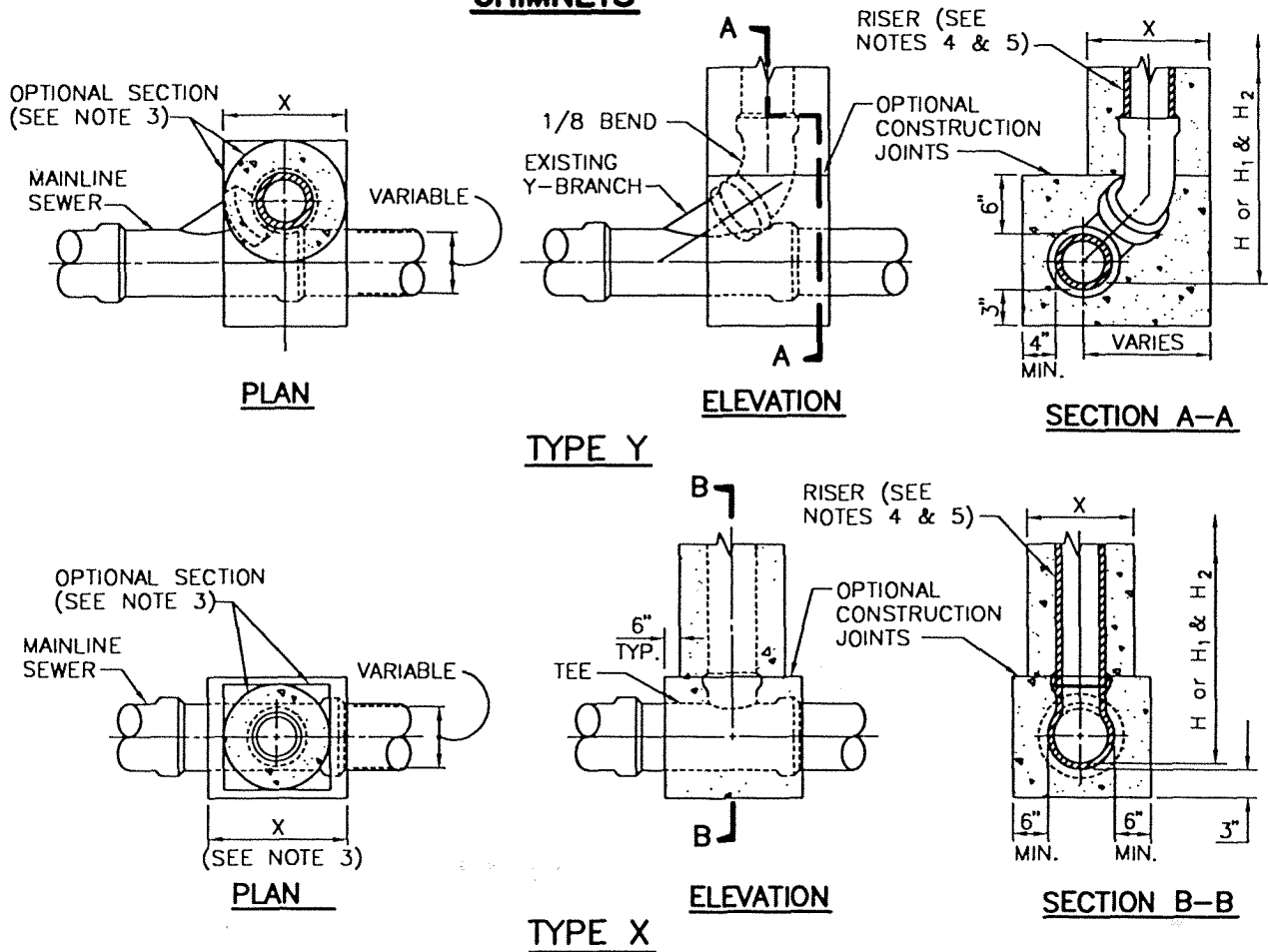
SHEET 1 OF 1

REV.	APPR. BY	DATE

REV.	APPR. BY	DATE



CHIMNEYS



BASES



CITY OF

CHIMNEYS

STANDARD PLAN
2002

DRAWN: STAFF

CKD.: STAFF/B

Department of Public Works

APPR.

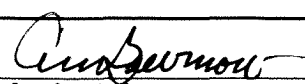
Granville M. Bowman
Granville M. Bowman

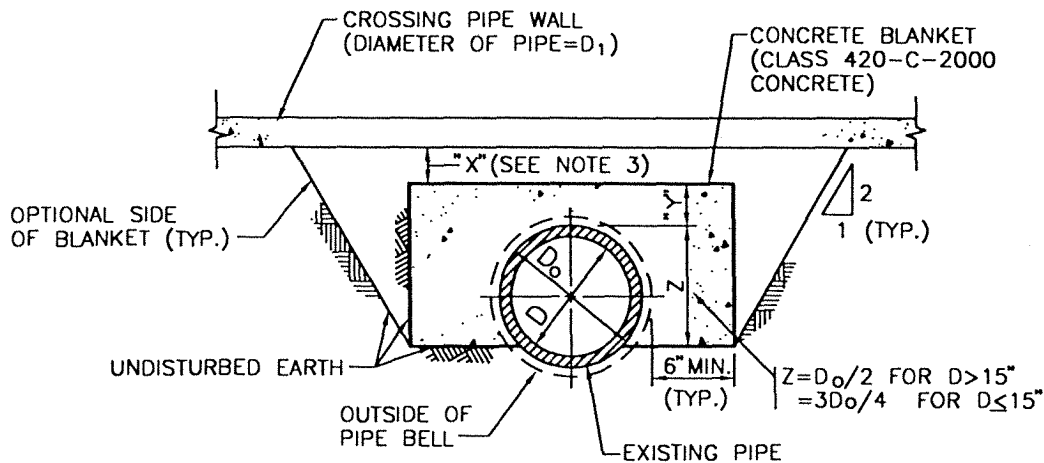
PLATE 402

SHEET 1 OF 2

NOTES:

1. RISER PIPE AND FITTINGS SHOWN HEREON SHALL, UNLESS INDICATED, BE OF THE SAME MATERIAL AS THE MAIN LINE SEWER, AND MAY BE ANY OF THE FOLLOWING:
 - A. VC PIPE
 - B. PVC PLASTIC PIPE (SDR 35)
2. THE CONTRACTOR MAY USE A TYPE OF MATERIAL DIFFERENT FROM THE MAIN LINE PROVIDED HE UTILIZES SUITABLE ADAPTERS APPROVED BY THE ENGINEER.
3. CONCRETE FOR BEDDING AND ENCASEMENT FOR PIPE AND FITTING SHALL BE CLASS 420-C-2000. THE VERTICAL CONCRETE ENCASEMENT SHALL BE PLACED UNIFORMLY AROUND THE RISERS IN ORDER TO MAINTAIN PROPER ALIGNMENT AND MAY BE EITHER CIRCULAR OR SQUARE IN CROSS SECTION AS SHOWN HEREON. X=16" FOR 6" CHIMNEYS. X=18" FOR 8" CHIMNEYS.
4. UNLESS OTHERWISE INDICATED ON THE PROJECT PLANS, CHIMNEY RISERS AND WYE BRANCHES SHALL BE 6" DIAMETER.
5. CHIMNEYS ARE SHOWN ON THE PROJECT PLANS BY ABBREVIATION "CH", FOLLOWED BY A LETTER DESIGNATING THE TYPE OF CHIMNEY, A HYPHEN, AND THEN ANOTHER LETTER DESIGNATING THE TYPE OF BASE (E.G., CH A-Y). FOR CHIMNEY RISERS OTHER THAN 6", THE RISER SIZE IS INDICATED ON THE PROJECT PLANS PRECEDING THE CHIMNEY TYPE DESIGNATION (E.G., 8" CH A-X). UNLESS OTHERWISE INDICATED, THE TOP OF THE CHIMNEY SHALL BE 5 FEET BELOW THE GROUND SURFACE ABOVE THE MAIN LINE.
6. WHERE DIMENSIONS H, H₁ AND H₂ (THE MAXIMUM VERTICAL DISTANCE FROM THE INVERT OF THE MAIN LINE SEWER TO THE TOP OF EACH WYE) ARE INDICATED ON THE PROJECT PLANS (E.G., H₁=7.8', H₂=9.8'), THESE DIMENSIONS SHALL GOVERN. THESE DIMENSIONS MAY BE SHORTENED WITHIN THE LIMITS OF THE LENGTH OF THE WYE FITTING.
7. UNLESS OTHERWISE INDICATED ON THE PROJECT PLANS, WYE BRANCHES SHALL FACE PERPENDICULAR TO THE CENTER LINE OF THE MAIN LINE SEWER.
8. WYE BRANCHES ON TYPE "A" CHIMNEYS NOT JOINED TO HOUSE CONNECTION SEWERS SHALL BE INSTALLED AS INDICATED ON THE PROJECT PLANS.
9. ALL RISERS, CHIMNEY BASES WITHOUT RISERS, AND UNCONNECTED BRANCHES SHALL BE SEALED WITH A CAP AND 1" THICK TYPE "F" MORTAR AROUND THE CIRCUMFERENCE OF THE CAP.

 CITY OF Oxnard	CHIMNEYS		STANDARD PLAN 2002
	DRAWN: STAFF	CKD.: STAFF LB	APPR.  Granville M. Bowman	PLATE 402
Department of Public Works			SHEET 2 OF 2

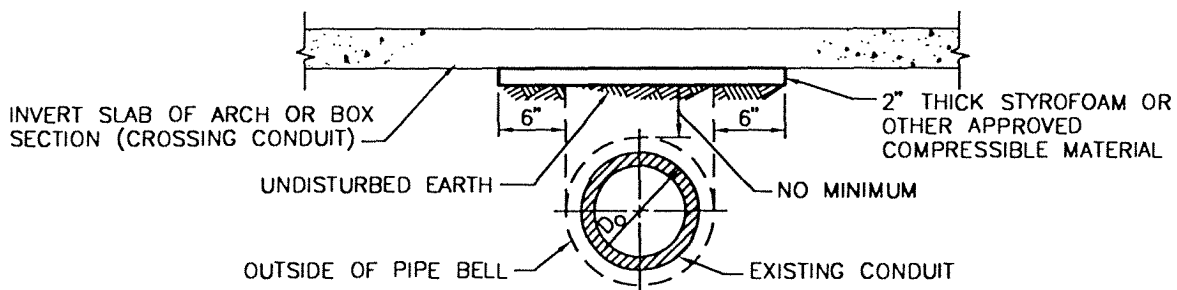


CONCRETE BLANKET

(FOR EXISTING PIPES CROSSED OVER BY A NEW PIPE)

NOTES:

1. CONCRETE BLANKET IS REQUIRED WHEN THE CLEARANCE BETWEEN THE TOP OF THE EXISTING PIPE AND THE BOTTOM OF THE CROSSING PIPE IS LESS THAN 18".
2. "Y" = $D/6$ (6" MIN.) WHERE THE CLEARANCE BETWEEN THE TOP OF THE EXISTING PIPE AND THE BOTTOM OF THE CROSSING PIPE IS LESS THAN "Y". THE CONCRETE SHALL BE PLACED BETWEEN THE PIPES AND AROUND THE SIDES OF THE CROSSING PIPE UP TO A LEVEL EQUAL TO "Y" ABOVE THE EXISTING PIPE, OR AS REQUIRED BY NOTE 3 BELOW, WHICHEVER IS HIGHER.
3. "X" = $D/12$, MINIMUM, TO PROVIDE BEDDING MATERIAL FOR CROSSING CONDUIT. WHEN "X" IS LESS THAN THIS MINIMUM, THE ENTIRE TOP SURFACE OF THE BLANKET SHALL BE RAISED TO MAKE CONTACT WITH THE LOWER 90° OF THE CROSSING PIPE.
4. THE BLANKET SHALL EXTEND LONGITUDINALLY TO THE FIRST JOINT BEYOND THE TRENCH EXCAVATION AT EACH END OF THE BLANKET, EXCEPT THAT THE BLANKET NEED NOT BE EXTENDED MORE THAN 4 FEET BEYOND THE TRENCH.
5. WHENEVER A PIPE BELL IS ENCOUNTERED WITHIN THE LIMITS OF THE BLANKET, ALL DIMENSIONS SHALL REFER TO THE BELL.



COMPRESSIBLE BLANKET

(FOR EXISTING PIPES CROSSED OVER BY A NEW BOX OR ARCH)

NOTES:

1. COMPRESSIBLE BLANKET IS REQUIRED WHEN THE CLEARANCE BETWEEN THE TOP OF THE EXISTING PIPE AND THE BOTTOM OF THE CROSSING CONDUIT (BOX OR ARCH) IS LESS THAN 18".
2. THE BLANKET SHALL EXTEND LONGITUDINALLY FOR THE FULL CROSSING CONDUIT TRENCH WIDTH.



CITY OF

BLANKET PROTECTION FOR PIPES

DRAWN: STAFF

CKD: STAFF

Department of Public Works

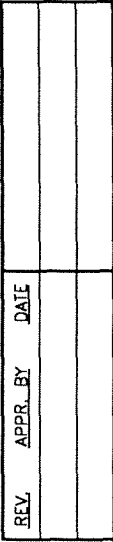
APPR.

Granville M. Bowman
Granville M. Bowman

STANDARD PLAN
2002

PLATE 403

SHEET 1 OF 1



(FOR EXISTING PIPES CROSSED OVER BY A NEW PIPE)

REV.	APPR. BY	DATE

- (FOR EXISTING PIPES CROSSED OVER BY A NEW BOX OR ARCH)

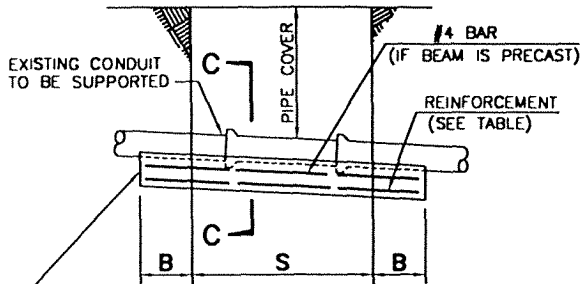
604

CASE 1 **REINFORCED CONCRETE BEAM**

FOR 4" TO 24" I.D. PIPE

NOTES

1. WIDTH OF BEAM SHALL EQUAL O.D. OF SUPPORTED PIPE. MINIMUM WIDTH SHALL BE 6".
2. IF SUPPORTED PIPE IS BEDDED IN CONCRETE, BEAM WIDTH SHALL BE EQUAL BEDDING WIDTH.
3. IF BEAM IS PRECAST, ENDS OF BEAM SHALL BE FULLY BEDDED IN 420-C-2000 CONCRETE FOR LENGTH "B". THE BEDDING SHALL HAVE A MINIMUM THICKNESS OF 4". CLASS "C" MORTAR SHALL BE PLACED BETWEEN TOP OF BEAM AND SUPPORTED PIPE TO PROVIDE MINIMUM BEARING SHOWN.
4. THIS CASE IS PERMITTED ONLY IF THE TRENCH WALLS ARE FIRM AND UNYIELDING.
5. MAXIMUM SPACING OF BARS SHALL BE 4" O.C.



560 B-3250
REINFORCED
CONCRETE BEAM

MIN. BEARING SHALL
BE D.5 O.D. OF
SUPPORTED PIPE

#4 BAR (IF BEAM
IS PRECAST)

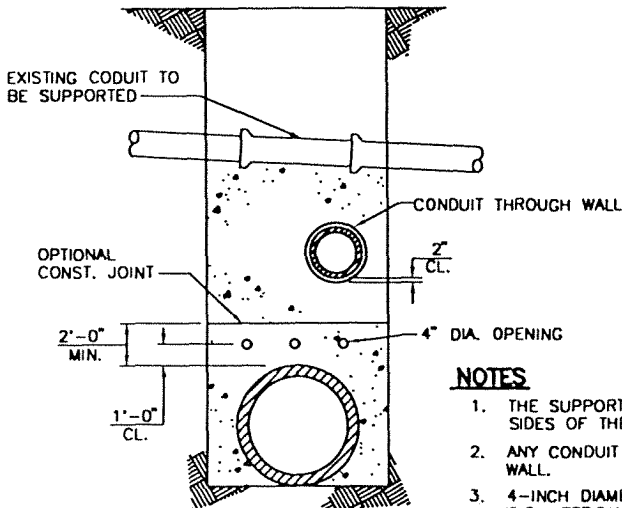
REINFORCEMENT
(SEE TABLE)

SECTION C-C

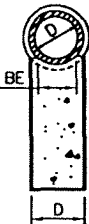
REINFORCED CONCRETE BEAM (DIMENSIONS AND REINFORCEMENT)

S	PIPE COVER											
	0' to 8'-0"			8'-1" to 12'-0"			12'-1" to 16'-0"			16'-1" to 20'-0"		
	T	BARS	B	T	BARS	B	T	BARS	B	T	BARS	B
0' to 4'-0"	8"	#4	1'-6"	8"	#4	1'-6"	9"	#4	1'-6"	10"	#4	1'-6"
4'-1" to 5'-0"	8"	#4	1'-6"	9 1/2"	#4	1'-6"	11"	#4	1'-6"	12"	#4	1'-6"
5'-1" to 6'-0"	9"	#4	1'-6"	11"	#5	1'-6"	12 1/2"	#5	1'-6"	13 1/2"	#5	2'-0"
6'-1" to 7'-0"	10"	#5	1'-6"	12 1/2"	#5	2'-0"	14 1/2"	#5	2'-0"	15 1/2"	#5	2'-0"
7'-1" to 8'-0"	11"	#5	1'-6"	14"	#5	2'-0"	16"	#5	2'-0"	17 1/2"	#6	2'-6"
8'-1" to 9'-0"	12 1/2"	#5	2'-0"	15 1/2"	#6	2'-6"	17 1/2"	#6	2'-6"	19 1/2"	#6	2'-6"
9'-1" to 10'-0"	13 1/2"	#6	2'-0"	17"	#6	2'-6"	19 1/2"	#6	3'-0"	21"	#6	3'-0"
10'-1" to 11'-0"	14 1/2"	#6	2'-6"	18 1/2"	#6	3'-0"	21"	#6	3'-0"	23 1/2"	#6	3'-0"
11'-1" to 12'-0"	15 1/2"	#6	2'-6"	20"	#6	3'-0"	23"	#7	3'-6"	25 1/2"	#7	3'-6"
12'-1" to 13'-0"	17"	#6	3'-0"	21 1/2"	#7	3'-6"	24 1/2"	#7	3'-6"	27 1/2"	#7	4'-0"
13'-0" to 14'-0"	18"	#7	3'-0"	23"	#7	3'-6"	26 1/2"	#7	4'-0"	29 1/2"	#7	4'-0"
14'-1" to 15'-0"	19"	#7	3'-0"	25"	#7	4'-0"	28"	#7	4'-0"	31 1/2"	#7	4'-6"
15'-1" to 16'-0"	20 1/2"	#7	3'-6"	26 1/2"	#7	4'-0"	30"	#8	4'-6"			
16'-1" to 17'-0"	21 1/2"	#7	3'-6"	28"	#8	4'-6"						
17'-1" to 18'-0"	22 1/2"	#8	4'-0"	29 1/2"	#8	4'-6"						

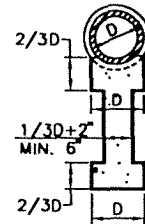
CASE 2 **CONCRETE WALL**



MIN. BEARING SHALL BE
0.5 O.D. OF PIPE



TYPE "A"



TYPE "B"

WALL SECTION

NOTES

1. THE SUPPORTING WALL SHALL HAVE A FIRM BEARING ON THE SUBGRADE AND AGAINST THE SIDES OF THE EXCAVATION.
2. ANY CONDUIT PASSING THROUGH THE WALL SHALL HAVE 2-INCH CLEARANCE FROM THE WALL.
3. 4-INCH DIAMETER OPENINGS THROUGH THE WALL AT 2 FT. O.C. HORIZONTALLY AND AT 5 FT. O.C. VERTICALLY SHALL BE PROVIDED TO PREVENT UNEQUAL PRESSURE RESULTING FROM JETTED BACKFILL.
4. IF SUPPORTED PIPE IS BEDDED IN CONCRETE, MINIMUM THICKNESS OF WALL SHALL EQUAL BEDDING WIDTH.
5. BRICK WITH MORTAR JOINTS MAY BE USED IN LIEU OF CONCRETE FOR WALLS UP TO 5 FT. IN HEIGHT OR LENGTH.

CITY OF
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SUPPORTS FOR CONDUIT ACROSS TRENCHES

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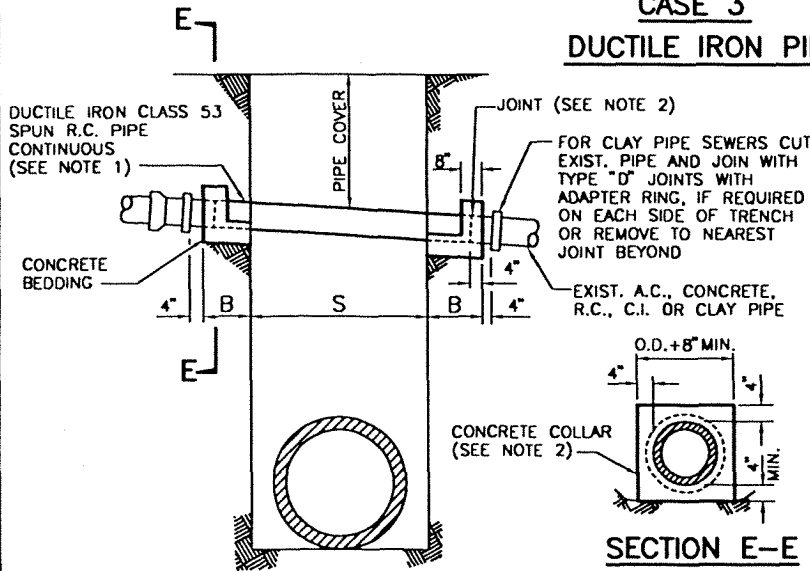
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STANDARD PLAN
2002

PLATE 404

SHEET 1 OF 2

CASE 3 DUCTILE IRON PIPE



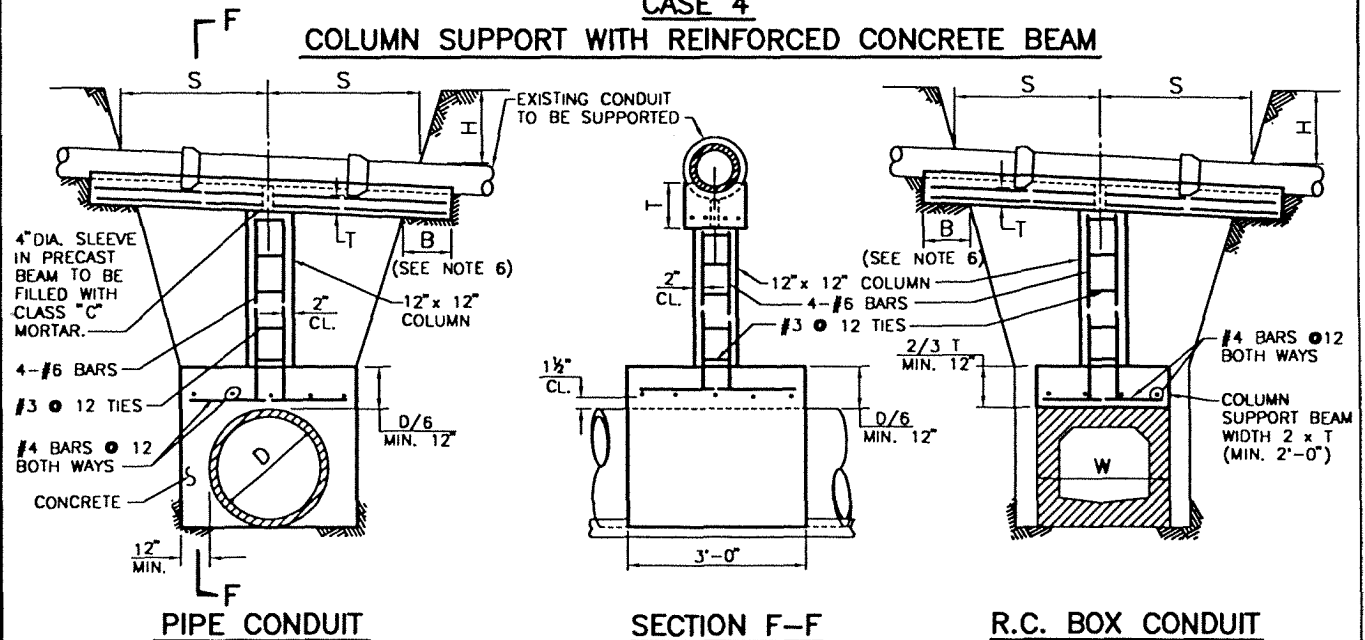
ALLOWABLE SPANS AND MIN. REQUIRED BEARING FOR DUCTILE IRON PIPE

DEPTH OF COVER	6" PIPE		8" PIPE		10" PIPE	
	S(Max)	B(Min)	S(Max)	B(Min)	S(Max)	B(Min)
0' TO 8'-0"	11'-0"	1'-6"	13'-6"	1'-6"	16'-6"	2'-0"
8'-1" TO 16'-0"	8'-0"	1'-6"	10'-0"	2'-0"	12'-0"	2'-6"
16'-1" TO 25'-0"	7'-0"	1'-6"	9'-0"	2'-0"	10'-6"	2'-6"

NOTES

- 2000-D SPUN R.C. PIPE OF SAME DIAMETER AS THE EXISTING PIPE MAY BE USED ONLY WHEN THE EXISTING PIPE IS A.C., CONCRETE OR R.C. PIPE AND THE TRENCH WIDTH IS 5'-0" OR LESS.
- THE CONCRETE COLLAR JOINT SHALL BE USED FOR JOINTS IN STORM DRAIN PIPE.

CASE 4 COLUMN SUPPORT WITH REINFORCED CONCRETE BEAM



NOTES

- SPAN "S" SHALL BE MAXIMUM 18 FT. FOR EARTH COVER 8 FT. OR LESS, 12 FT. FOR EARTH COVER 16 FT. OR LESS, AND 10 FT. FOR OVER 16 FT. EARTH COVER.
- ALL CONCRETE SHALL BE 560-B-3250.
- WHEN THE PIPE TO BE SUPPORTED CROSSES THE TRENCH ON A SKEW ANGLE, THE WALL OR BEAM WHICH SUPPORTS THE COLUMN SHALL BE CONSTRUCTED AT RIGHT ANGLE TO THE TRENCH.
- SUPPORT SYSTEM MAY BE USED OVER CAST-IN-PLACE STRUCTURES.
- BACKFILL ABOVE THE SUPPORT BEAM SHALL NOT BE PLACED UNTIL 72 HOURS AFTER THE SUPPORT IS POURED.
- REINFORCED CONCRETE BEAM DIMENSIONED AND REINFORCED PER TABLE UNDER CASE 1.

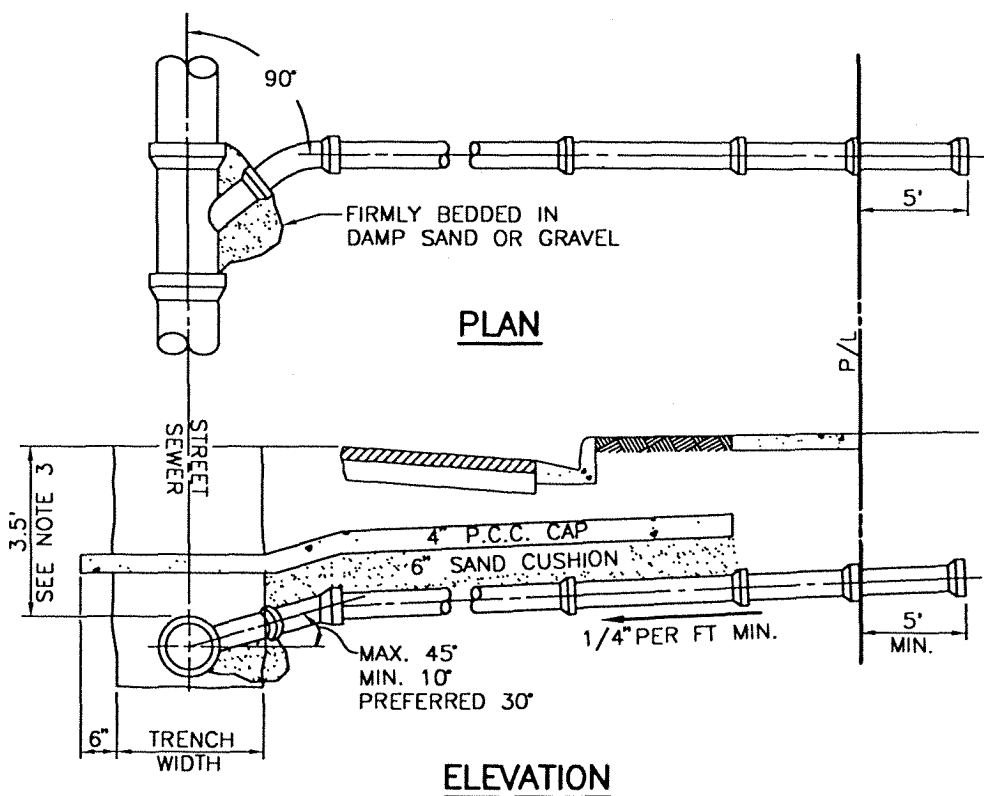
GENERAL NOTES

- "S" IS THE SPAN OF THE PIPE SUPPORT ALONG ITS CENTERLINE.
- "B" IS THE LENGTH OF BEARING OF THE SUPPORT AGAINST UNDISTURBED EARTH MEASURED ALONG THE PIPE CENTERLINE.
- CASE 2 SHALL BE USED FOR PARTIAL CROSSINGS, EXCEPT THAT WHERE THE DISTANCE FROM A SEWER CHIMNEY TO UNDISTURBED EARTH IS 18 INCHES OR LESS, THE TRENCH BACKFILL MAY BE DENSIFIED TO 18 INCHES ABOVE A HOUSE CONNECTION SEWER AND THEN RE-EXCAVATED FOR THE PIPE INSTALLATION.
- ANY SEWER OR STORM DRAIN EXPOSED OR PARTIALLY EXPOSED IN A TUNNEL EXCAVATION SHALL BE SUPPORTED WITH A WALL CASE 2.
- IF BEDDING IS REMOVED FROM THE EXISTING PIPE THAT WILL REMAIN IN PLACE, THE PIPE SHALL BE EMBEDDED WITH CONCRETE.
- UNLESS OTHERWISE INDICATED, CONCRETE SHALL BE CLASS 420-C-2000.

	CITY OF		SUPPORTS FOR CONDUIT ACROSS TRENCHES		STANDARD PLAN 2002
	DRAWN: STAFF	CKD.: STAFF			PLATE 404
Department of Public Works			APPR. Granville M. Bowman		SHEET 2 OF 2

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REV.	APPR. BY	DATE



NOTES:

1. ON EXISTING SEWER, INSTALL APPROVED STANDARD SADDLE OR PREMOLDED "Y" AND STRONGBACK CALDER COUPLING. THE MAIN SHALL BE CORED WHEN USING A SADDLE.
2. IF SLOPE EXCEEDS 45°, SEE PLATE 406.
3. WHEN COVER OVER EXISTING SEWER MAIN OR LATERAL IS LESS THAN 3.0', A P.C.C. CAP IS REQUIRED FOR TRENCH WIDTH PLUS 6" EACH SIDE OF TRENCH ON MAIN AND LATERALS.
4. INSTALL A PREFORMED "Y" OR MANHOLE IF THE SERVICE LATERAL IS LARGER THAN 1/2 I.D. OF THE MAIN SEWER I.D..
5. MARK "S" ON CURB FACE.
6. LATERAL SHALL BE PERPENDICULAR TO THE MAIN WHENEVER POSSIBLE.
7. PIPE MATERIAL FOR LATERAL WITHIN STREET RIGHT-OF-WAY SHALL BE V.C.P. OR PVC (SDR 35).

CITY OF
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HOUSE CONNECTION (6" & BELOW)

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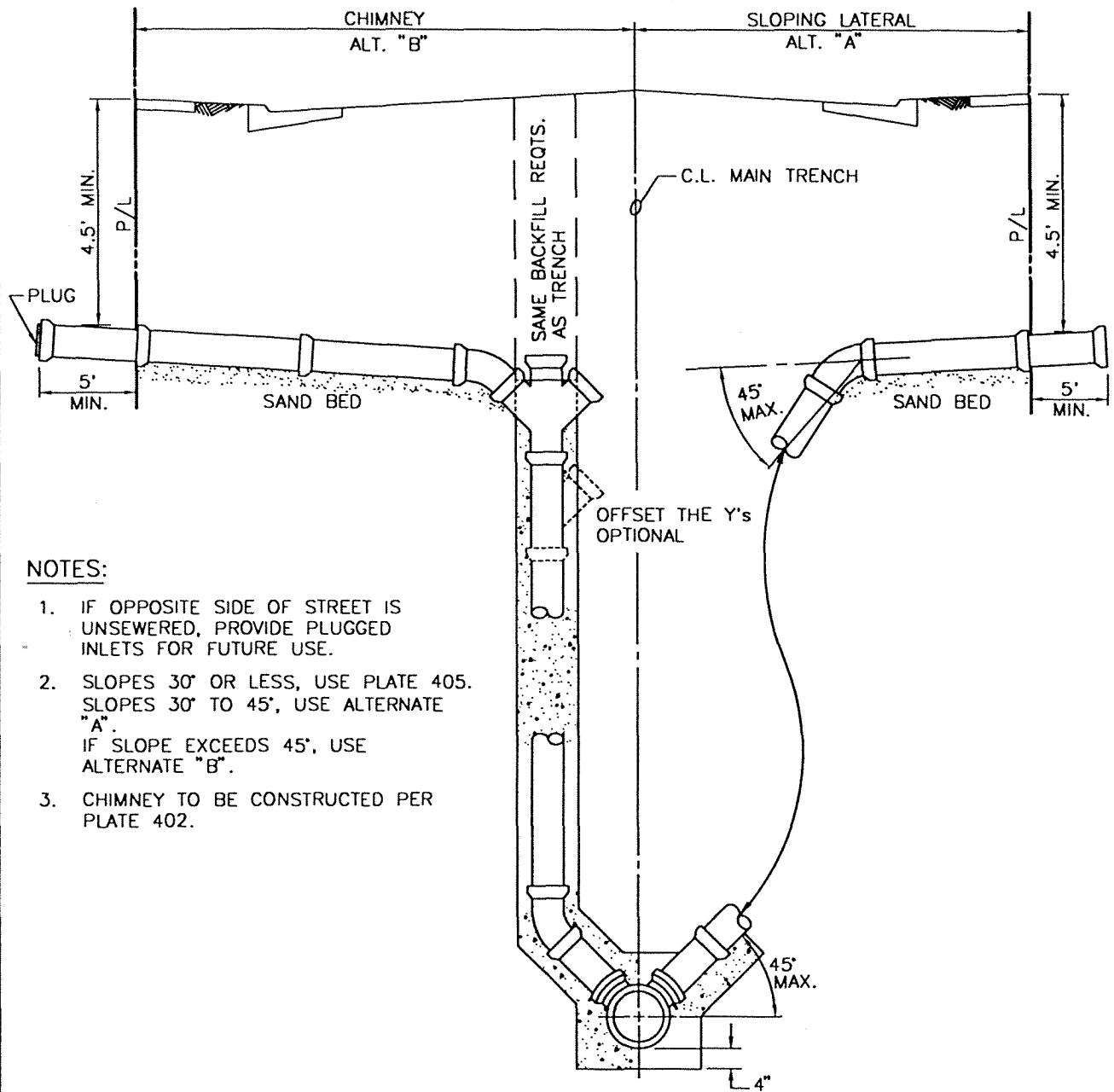
STANDARD PLAN
2002

PLATE 405

SHEET 1 OF 1

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REV.	APPR. BY	DATE

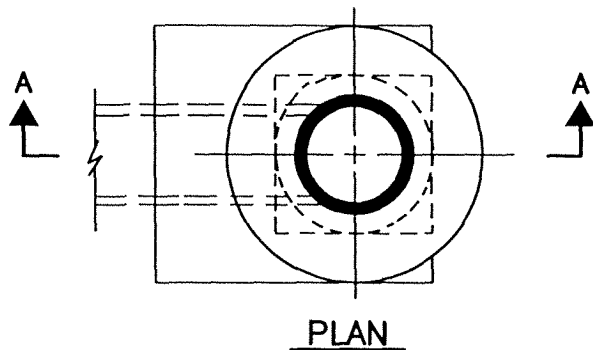


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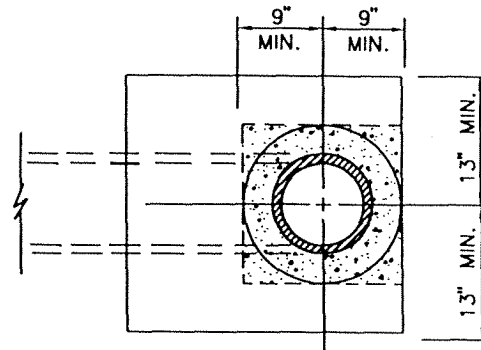
1. IF OPPOSITE SIDE OF STREET IS UNSEWERED, PROVIDE PLUGGED INLETS FOR FUTURE USE.
2. SLOPES 30° OR LESS, USE PLATE 405. SLOPES 30° TO 45°, USE ALTERNATE "A". IF SLOPE EXCEEDS 45°, USE ALTERNATE "B".
3. CHIMNEY TO BE CONSTRUCTED PER PLATE 402.

ELEVATION

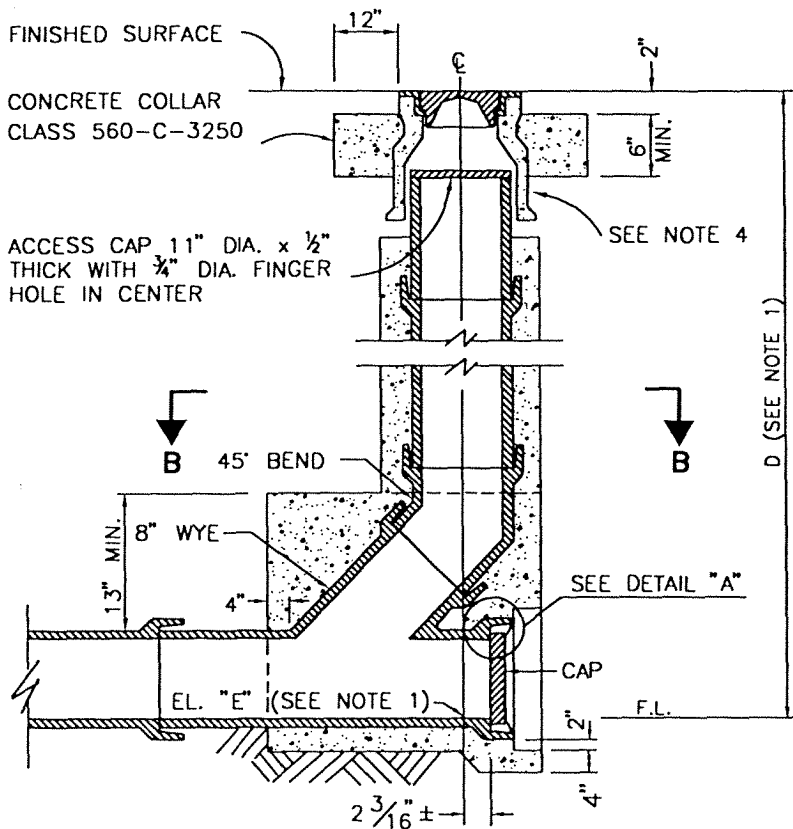
	CITY OF		STEEP SERVICE LATERAL		STANDARD PLAN 2002
	DRAWN: STAFF		CKD.: STAFF <i>LB</i>		PLATE 406
Department of Public Works			APPR. <i>Granville M. Bowman</i> Granville M. Bowman		SHEET 1 OF 1



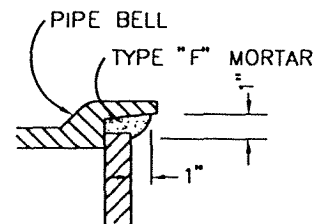
PLAN



SECTION B-B



SECTION A-A



DETAIL "A"

NOTES:

1. SEE PROJECT PLANS FOR VALUES OF DIMENSION "D" AND ELEVATION "E".
2. PIPE AND FITTINGS EXCEPT, AS OTHERWISE SHOWN HEREON, SHALL BE OF THE SAME MATERIAL AS THE SEWER UNLESS APPROVED ADAPTORS ARE UTILIZED AND MAY BE ANY OF THE FOLLOWING:
 - A. VC PIPE
 - B. PVC PLASTIC PIPE (SDR 35).
3. PIPES AND FITTINGS SHALL BE PROPERLY ALIGNED AND MAINTAINED WHILE CONCRETE IS BEING PLACED AND ALLOWED TO HARDEN. JOINTS FOR PIPES AND FITTINGS SHALL BE MADE PRIOR TO PLACING CONCRETE. CONCRETE FOR BEDDING, ENCASEMENT, AND WALL SUPPORT FOR PIPES AND FITTINGS SHALL BE PLACED UNIFORMLY AROUND THE PIPE AND FITTINGS AS SHOWN HEREON TO MAINTAIN PROPER ALIGNMENT AND SHALL BE CLASS 420-C-2000.
4. THE FRAME AND COVER SHALL BE MADE OF GRAY CAST IRON AS MANUFACTURED BY ALHAMBRA FOUNDRY A-1241 OR APPROVED EQUAL OR CHRISTY 3G GATE VALVE BOX MARKED SEWER.
5. THE CONTRACTOR, AT HIS OPTION, MAY PLACE EITHER A CIRCULAR OR SQUARE CONCRETE PIPE WALL SUPPORTS AS SHOWN HEREON.



CITY OF

TERMINAL CLEANOUT

STANDARD PLAN
2002

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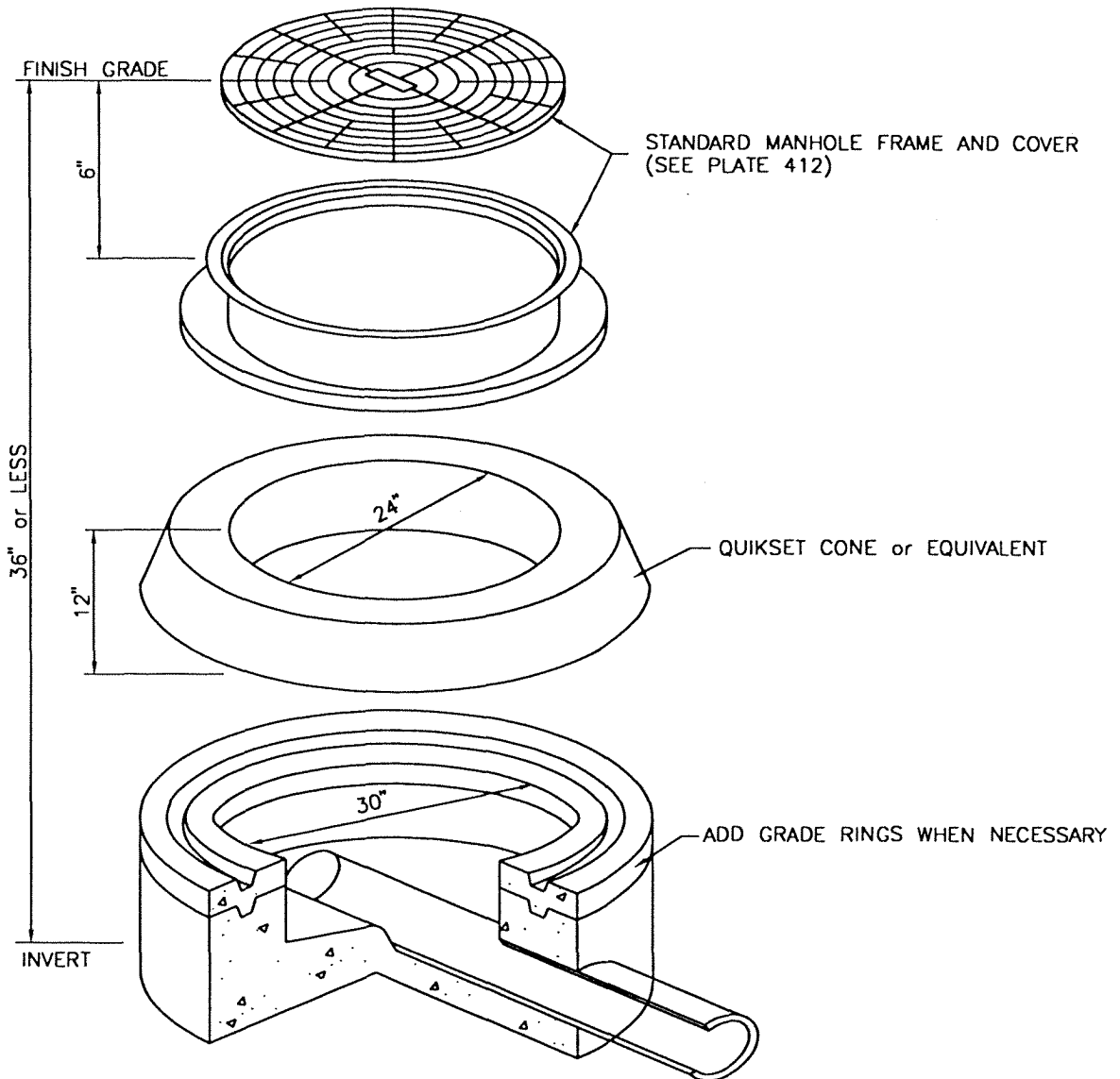
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PLATE 407

SHEET 1 OF 1

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REV.	APPR. BY	DATE



NOTES:

1. SEE PLATE 400 FOR ADDITIONAL NOTES NOT MODIFIED BY THIS PLATE
2. USE CONCENTRIC CONES UNLESS OTHERWISE SPECIFIED.



CITY OF

SHALLOW MANHOLE

STANDARD PLAN
2002

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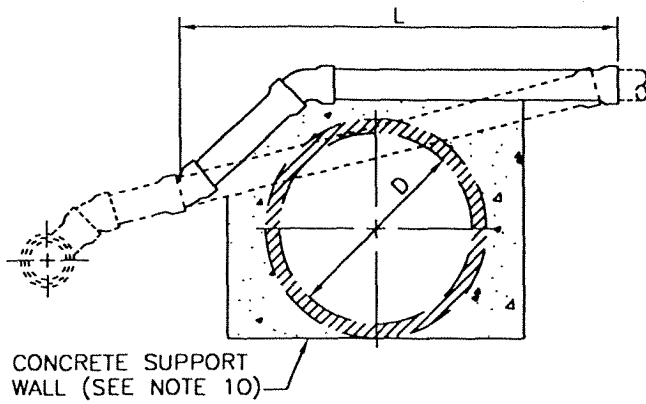
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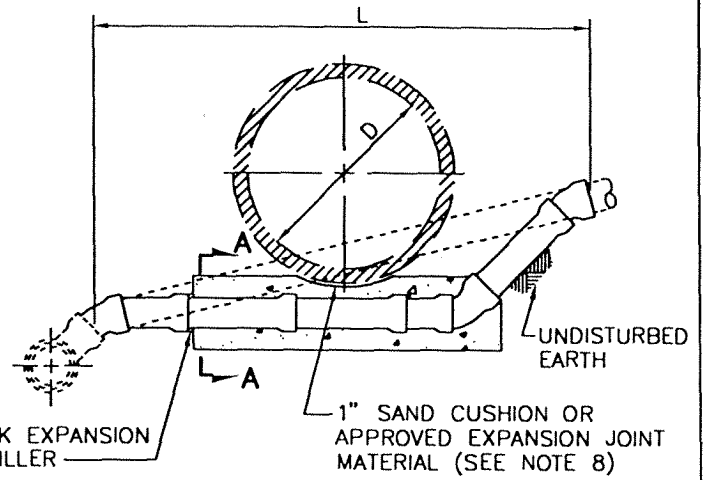
PLATE 408

SHEET 1 OF 1

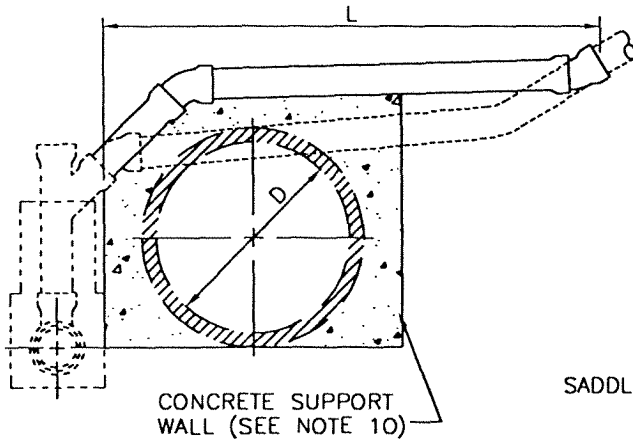
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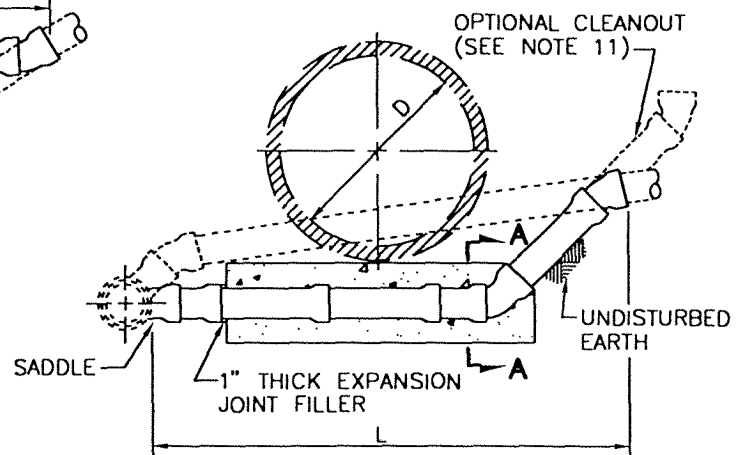
CASE A



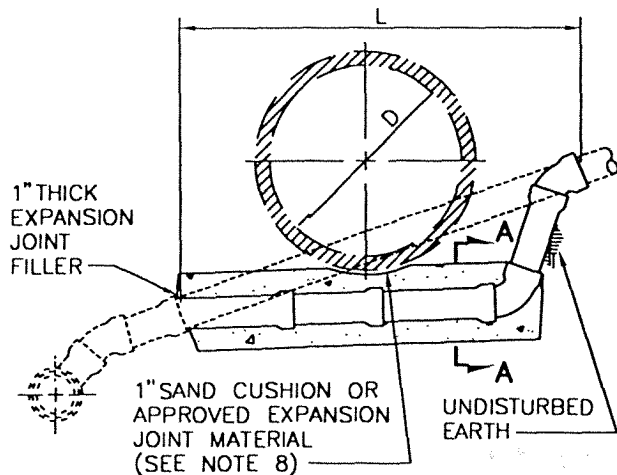
CASE D



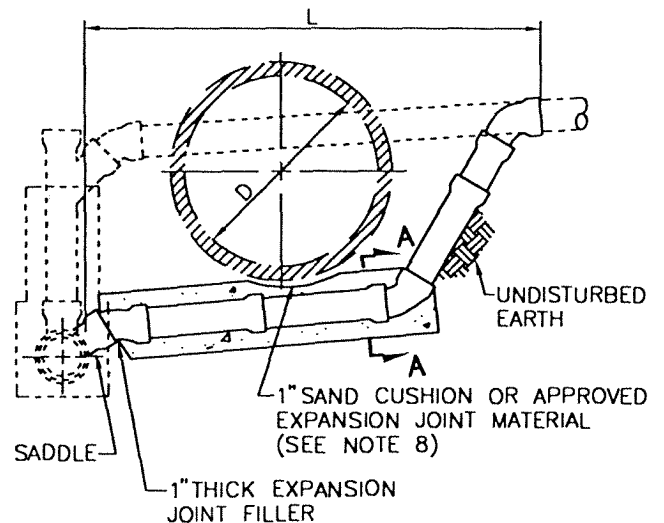
CASE B



CASE E



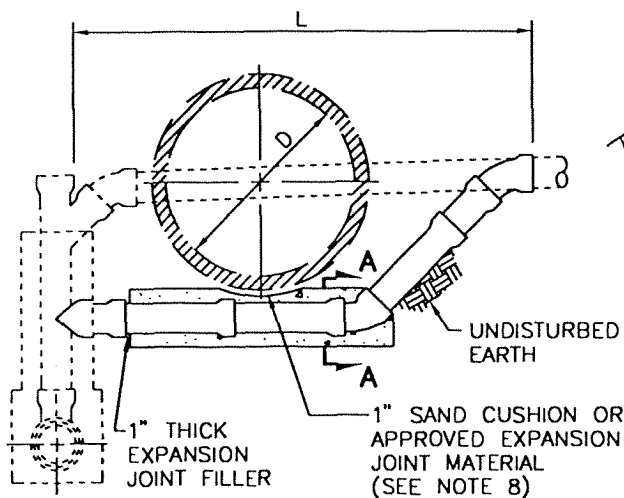
CASE C



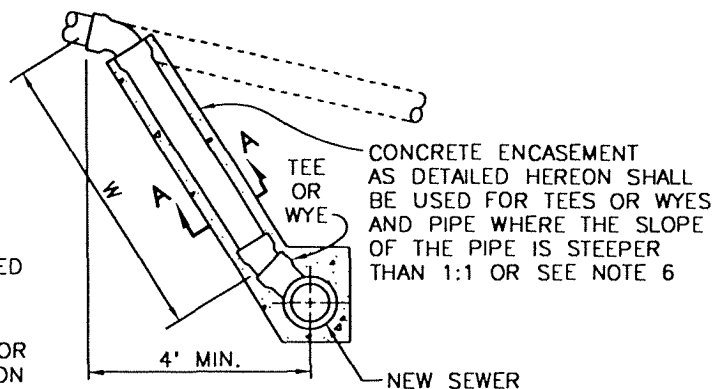
CASE F

STORM DRAIN LINE (GRAVITY) & SEWER LINE (GRAVITY)

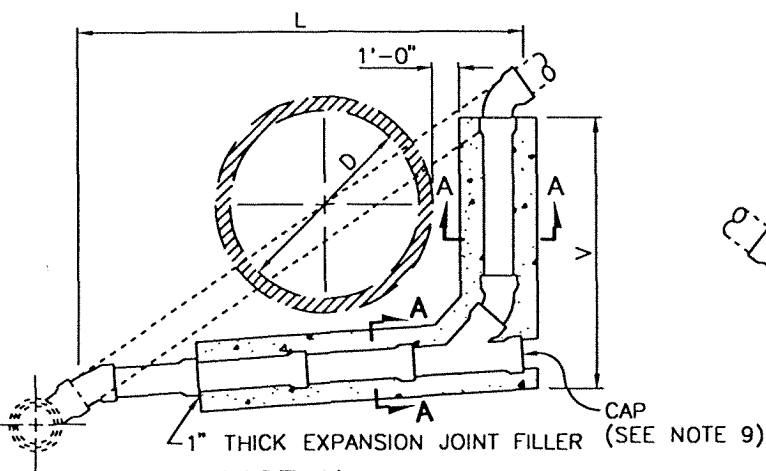
	CITY OF HOUSE CONNECTION REMODELING		STANDARD PLAN 2002
	DRAWN: STAFF	CKD.: STAFF <i>EB</i>	APPR. <i>Granville M. Bowman</i> Granville M. Bowman	PLATE 409
Department of Public Works			SHEET 1 OF 3



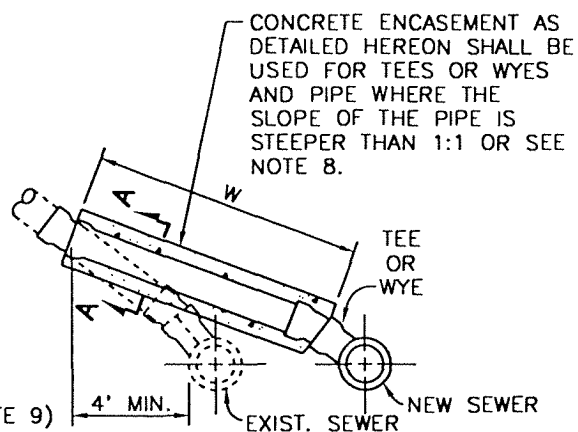
CASE G



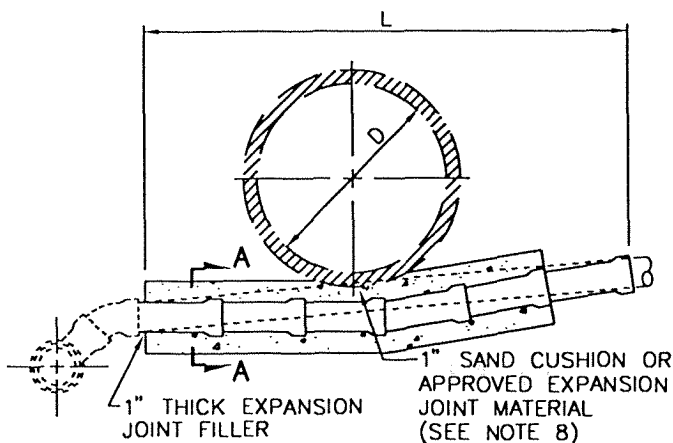
CASE R



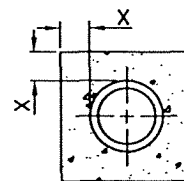
CASE H



CASE S



CASE K



NOMINAL DIA. OF PIPE (INCHES)	MAXIMUM DIMENSIONS X (INCHES)
6	3
8	4
10	5
12	6

SECTION A-A
CONCRETE ENCASEMENT DETAILS
(SEE NOTE 5)

STORM DRAIN LINE (GRAVITY) & SEWER LINE (GRAVITY)



CITY OF

HOUSE CONNECTION REMODELING

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STANDARD PLAN
2002

PLATE 409

SHEET 2 OF 3

NOTES:

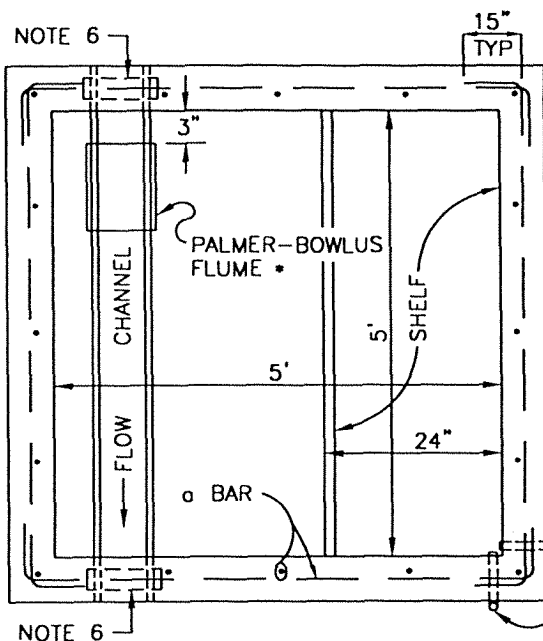
1. EXCEPT AS OTHERWISE INDICATED HEREON OR ON THE PROJECT PLANS, ALL HOUSE CONNECTION REMODELING SHALL CONFORM TO THE APPLICABLE PORTIONS OF STANDARD PLATE 405 HOUSE CONNECTION SEWER.
2. SEE PROJECT PLANS FOR VALUES OF D, L, V AND W. (DIMENSION L IS THE HORIZONTAL LENGTH OF THE HOUSE CONNECTION REMODELING).
3. EXISTING SEWERS ARE INDICATED BY DASHED LINES. HOUSE CONNECTION SEWERS TO BE CONSTRUCTED ARE INDICATED BY SOLID LINES AND SHALL BE OF THE SAME MATERIAL AS THE EXISTING SEWER. THE CONTRACTOR MAY CONSTRUCT THE SEWER WITH OTHER MATERIAL ALLOWED PER STANDARD PLATE 405 PROVIDED HE UTILIZES APPROVED ADAPTORS.
4. 1/16 (22½") OR 1/8 (45") BENDS SHALL BE USED TO REMODEL OR CONSTRUCT ANY SEWER ON A CURVE OR AT ANY CHANGE IN ALIGNMENT. WHERE PHYSICAL OR GEOMETRIC LIMITATIONS PRECLUDE THE USE OF 1/16 OR 1/8 BENDS, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR APPROVAL HIS PROPOSED METHOD OF REMODELING OR CONSTRUCTION.
5. ALL HOUSE CONNECTION SEWERS TO BE CONSTRUCTED UNDER A PROPOSED STORM DRAIN SHALL BE ENCASED IN CONCRETE AS SHOWN HEREON. WHEN THE HOUSE CONNECTION SEWER SLOPE EXCEEDS 1:1, THE CONTRACTOR MAY, AT HIS OPTION, PLACE A CIRCULAR CROSS SECTION WITH MINIMUM COVER EQUAL TO DIMENSION "X" AS SHOWN ON SECTION A-A HEREON IN LIEU OF A SQUARE CROSS SECTION OF CONCRETE. CONCRETE BEDDING AND ENCASEMENT SHALL BE CLASS 420-C-2000, AND SHALL EXTEND TO THE FIRST PIPE JOINT AT LEAST 1 FOOT BEYOND THE OUTSIDE DIAMETER OF EACH SIDE OF THE PROPOSED CONDUIT.
6. FOR CASES R AND S, WHEN THE SLOPE OF THE PIPE EXCEED 1:1, THE CONTRACTOR MAY, AT HIS OPTION, CONSTRUCT A CHIMNEY CONFORMING TO STANDARD PLATE 402 ON THE NEW SEWER IN LIEU OF CONSTRUCTING THE ENCASEMENT SHOWN HEREON.
7. FOR CASE E AND F, SADDLES SHALL BE CONNECTED EITHER TO THE LENGTH OF PIPE CONTAINING THE EXISTING TEE OR WYE OR TO THE ADJACENT DOWNSTREAM PIPE LENGTH.
8. CONDUITS TO BE INSTALLED OVER OR WITHIN ONE INCH OF ANY CONCRETE ENCASEMENT OR STRUCTURE, WHETHER EXISTING OR TO BE PLACED IN CONFORMITY WITH THE REQUIREMENTS HEREIN, SHALL BE INSTALLED ON A ONE-INCH SAND CUSHION OR APPROVED EXPANSION JOINT MATERIAL. CONCRETE ENCASEMENT INSTALLED PURSUANT TO THIS STANDARD PLAN SHALL BE SEPARATED FROM EXISTING CONDUIT WITH ONE-INCH THICK EXPANSION JOINT MATERIAL.
9. THOSE PORTIONS OF AN ABANDONED PIPE LOCATED BENEATH OR WITHIN 6 INCHES OF A RELOCATED HOUSE CONNECTION SEWER SHALL BE REMOVED. THE EXCAVATION SHALL BE REFILLED TO THE GRADE OF THE NEW PIPE INVERT WITH CLASS 100-E-100 CONCRETE. THE CONTRACTOR MAY AT HIS OPTION, SUBSTITUTE MECHANICALLY COMPACTED BACKFILL IN LIEU OF THE CLASS 100-E-100 CONCRETE. THOSE PORTIONS OF ABANDONED PIPE NOT REMOVED SHALL BE SEALED. WHERE CAPS ARE USED, THEY SHALL BE SEALED BY FILLING THE SPACE ABOVE THE CAP WITH SAND AND A ONE INCH THICK COATING OF TYPE "F" MORTAR.
10. SUPPORT WALLS SHALL CONFORM TO STANDARD PLATE 404.
11. WHEN INDICATED ON THE PROJECT PLANS OR THE SPECIAL SPECIFICATIONS, A CLEANOUT SHALL BE CONSTRUCTED IN CONJUNCTION WITH CASE E AS FOLLOWS:
 - A. SUBSTITUTE A "Y" FOR THE 1/8 BEND.
 - B. PLACE A 1/8 BEND ON THE UPPER END OF THE "Y".
 - C. CAP TOP OF 1/8 BEND WITH A CAP AND SEAL WITH ONE INCH THICK TYPE "F" MORTAR AROUND THE CIRCUMFERENCE OF THE CAP.

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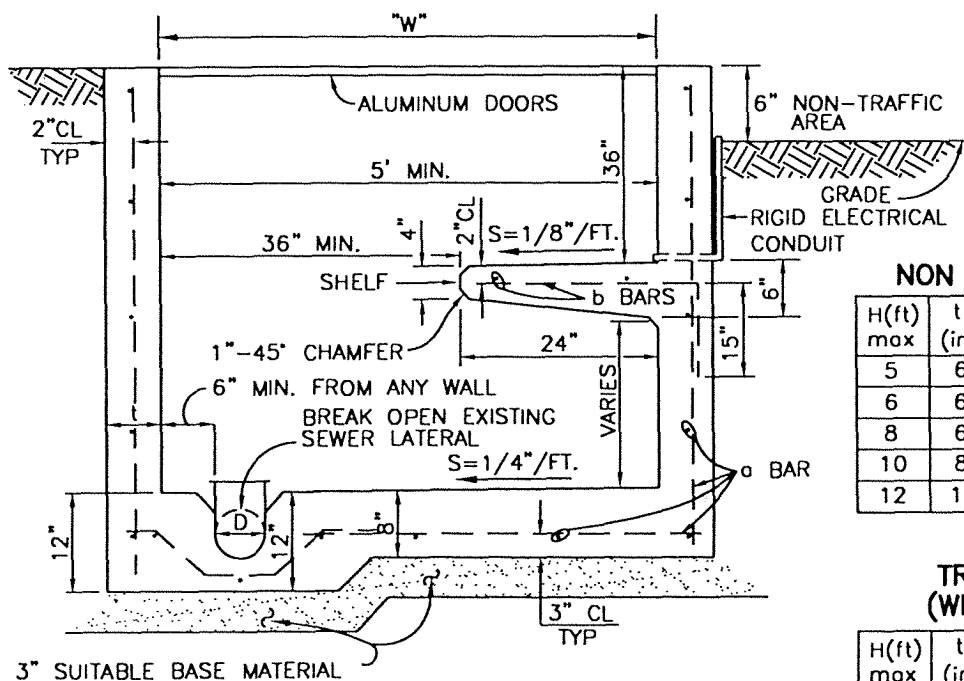
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	HOUSE CONNECTION REMODELING		STANDARD PLAN 2002
	DRAWN: STAFF	CKD.: STSFF <i>LD</i>	APPR. <i>Graville M. Bowman</i> Graville M. Bowman
Department of Public Works			

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- NOTES:



NON TRAFFIC AREA VAULT

H(ft) max	t (in)	REINFORCEMENT	
		a BARS	b BARS
5	6	#3 @ 18"	#3 @ 14"
6	6	#3 @ 14"	#3 @ 14"
8	6	#4 @ 12"	#3 @ 14"
10	8	#4 @ 10"	#3 @ 14"
12	10	#4 @ 8"	#3 @ 14"

TRAFFIC AREA VAULT
(WITH H-20 LOADING)

H(ft) max	t (in)	REINFORCEMENT	
		a BARS	b BARS
5	6	#4 @ 10"	#3 @ 14"
6	6	#4 @ 8"	#3 @ 14"
8	8	#4 @ 6"	#3 @ 14"
10	9	#4 @ 6"	#3 @ 14"
12	10	#5 @ 6"	#3 @ 14"

	INDUSTRIAL WASTE FLOW MONITORING VAULT			STANDARD PLAN 2002
	DRAWN: STAFF	CKD.: STAFF <i>LB</i>	APPR.  Granville M. Bowman	PLATE 410 SHEET 1 OF 2
Department of Public Works				

FLOW MONITORING VAULT

VAULT DIMENSIONS:

1. MINIMUM VAULT SIZE TO BE 5'-0" X 5'-0"
2. FOR SEWER LATERALS DEEPER THAN 5', VAULT SIZE TO BE MIN. 6'-0" X 6'-0"
3. VAULT SIZES TO BE DETERMINED ACCORDING TO THE FOLLOWING FORMULA:
WIDTH = $D+4'$ MIN. WIDTH = 5'-0"
LENGTH = $3D+2'$ MIN. LENGTH = 5'-0"

VAULT LOCATION:

1. CONTACT "ENVIRONMENTAL CONTROL SUPERVISOR" PRIOR TO CONSTRUCTION FOR APPROVAL OF VAULT LOCATION. PHONE 488-3517. CONFIRM THAT THE STANDARD DRAWING CONTAINS THE LATEST REVISIONS.
2. VAULTS TO BE LOCATED AWAY FROM TRAFFIC AREAS IF POSSIBLE. HOWEVER, IF INSTALLED IN TRAFFIC AREA, MUST BE CAPABLE OF CARRYING H-20 LOADING. RECESSED LOCKABLE HASP REQUIRED FOR TRAFFIC AREAS.
3. VAULTS USING PALMER-BOWLUS FLUMES TO BE LOCATED ACCORDING TO CRITERIA IN TABLE A AND OTHER SPECIAL PROVISIONS.

TABLE "A" MIN. AND MAX. RECOMMENDED FLOW RATES FOR FREE FLOW THROUGH PLASTI-FAB PALMER-BOWLUS FLUMES							
UPSTREAM PIPE DIAMETER	MAXIMUM SLOPE ALLOWABLE FOR UPSTREAM PIPE	MIN. HEAD FT.	MIN. FLOW RATE		MAX. HEAD FT.	MAX. FLOW RATE	
			M.G.D.	C.F.S.		M.G.D.	C.F.S.
6"	0.022	0.11	0.023	0.035	0.36	0.203	0.315
8"	0.020	0.15	0.048	0.074	0.49	0.433	0.670
10"	0.018	0.18	0.079	0.122	0.61	0.752	1.160
12"	0.016	0.22	0.128	0.198	0.73	1.180	1.830
15"	0.015	0.27	0.216	0.334	0.91	2.060	3.180
18"	0.014	0.33	0.355	0.549	1.09	3.240	5.010
21"	0.014	0.38	0.504	0.780	1.28	4.810	7.440
24"	0.013	0.44	0.721	1.120	1.46	6.700	10.400
27"	0.013	0.49	0.945	1.460	1.64	8.950	13.800
30"	0.013	0.55	1.260	1.950	1.82	11.600	18.000

OTHER SPECIAL PROVISIONS:

1. THE MAXIMUM UPSTREAM DEPTH SHALL NOT EXCEED 0.90D (D IS THE UPSTREAM PIPE DIAMETER).
2. THE MAXIMUM UPSTREAM SUBMERGENCE SHALL NOT EXCEED 85% OF THE MAXIMUM UPSTREAM DEPTH. THUS, THE DEPTH OF FLOW IN THE UPSTREAM CHANNEL BEFORE INSTALLING THE FLUME (NORMAL DEPTH) SHALL NOT EXCEED 0.75D.
3. THE FLUME WILL FUNCTION PROPERLY IF THE VELOCITY HEAD AT DEPTH FOR MAXIMUM FLOW IS NOT GREATER THAN 1.5X THE NORMAL DEPTH.
4. THE DOWNSTREAM OUTLET PIPE SLOPE SHALL NOT BE LESS THAN THE UPSTREAM PIPE SLOPE BUT MAY BE GREATER IF DESIRED.
5. THE DOWNSTREAM OUTLET PIPE SHALL BE FREE OF OBSTRUCTIONS.
6. UPSTREAM TURBULENCE SHALL BE AVOIDED. NO BENDS, DROP MANHOLES, FLOW JUNCTIONS, ETC., ARE PERMITTED WITHIN 25 PIPE DIAMETERS (D) OF THE METERING STRUCTURE.
7. FOR PLASTIC SEWER PIPE, PLACE TIGHT-FITTING RUBBER RING OVER THE PIPE AT THE MIDPOINT WHERE THE PIPE PASSES THROUGH THE CONCRETE WALL.

VAULT DOORS:

1. DOORS TO BE "BILCO", MODEL "KD" ALUMINUM DOORS OR EQUIVALENT. LOCKABLE HASP TO BE PROVIDED.
2. DOORS TO OPEN PARALLEL TO FLOW.

VAULT SHELF:

1. CONSTRUCT SHELF FULL LENGTH OF VAULT
2. SHELF TO BE CAPABLE OF SUPPORTING 150 P.S.F.
3. SHELF SURFACE TO HAVE NON-SKID ADHESIVE APPLIED
4. OPTIONAL PRECAST SHELF IS TO BE MONOLITHICALLY CAST WITH VAULT.

VAULT DIMENSIONS:

1. OWNER TO FURNISH AND INSTALL APPLICABLE SIZE CALIBRATED FLUME, WEIR, FLOW METER OR SIMILAR CITY-APPROVED DEVICESUITABLE FOR MEASUREMENT OF FLOW RATE AND TOTAL VOLUME. A "CERTIFICATE OF CALIBRATION" MUST BE FURNISHED BY THE MANUFACTURER. THE FLOW MEASURING DEVICE WILL HAVE TO BE RECALIBRATED AT 6 MO. INTERVALS BY THE MANUFACTURER OR APPROVED TESTING LAB WITH A "CERTIFICATE OF CALIBRATION" FURNISHED TO THE CITY.
2. INSTALLATION TO BE DONE ACCORDING TO THE MANUFACTURING SPECIFICATIONS.
3. FLOW SAMPLER TO BE LOCATED DOWNSTREAM OF THE FLUME.



CITY OF

INDUSTRIAL WASTE FLOW MONITORING VAULT

DRAWN: STAFF

CKD.: STAFF *LB*

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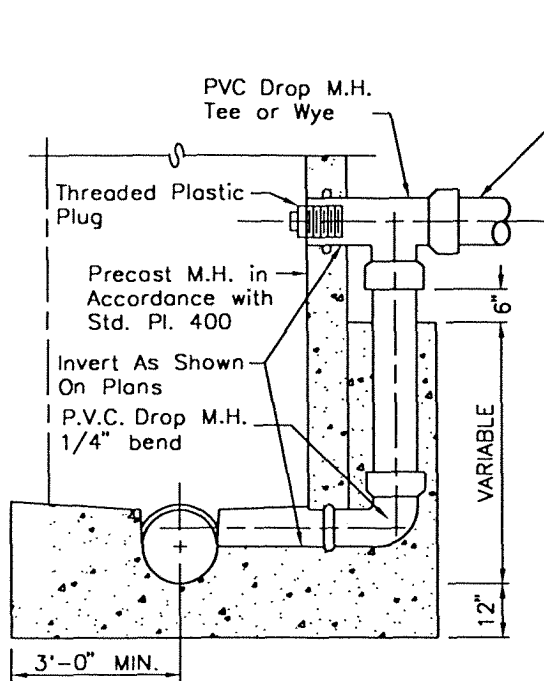
STANDARD PLAN
2002

PLATE 410

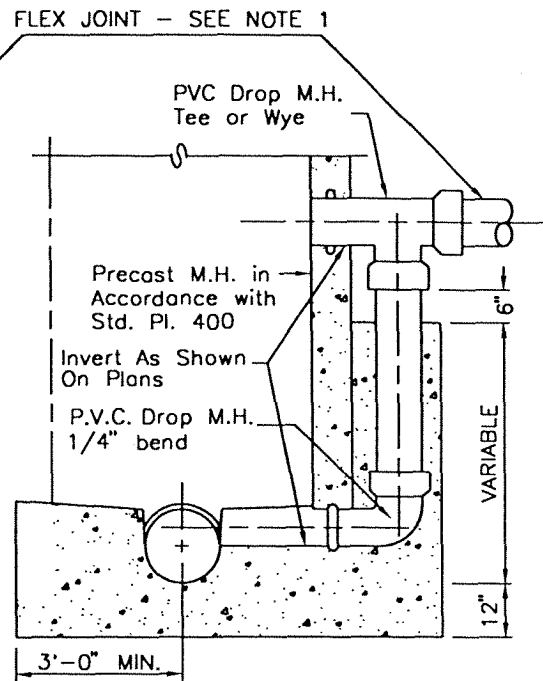
SHEET 2 OF 2

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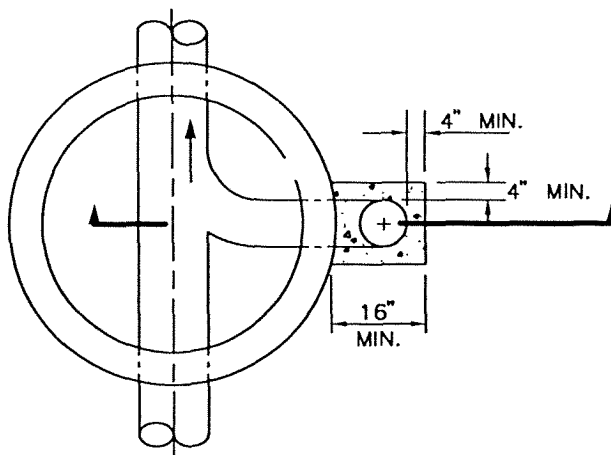
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SECTION VIEW
PRESSURE FLOW CASE



SECTION VIEW
GRAVITY FLOW CASE



PLAN VIEW

NOTES:

1. PROVIDE FLEX JOINT WITHIN 1' OF TEE
2. FOR NEW CONSTRUCTION, FOUNDATION FOR DROP SECTION TO BE POURED INTEGRAL WITH M.H. BASE.
3. FOR PLASTIC SEWERS, PLACE TIGHT FITTING RUBBER RING OVER PIPE AT MID-POINT WHERE IT PASSES THROUGH CONCRETE WALL.
4. P.C. CONCRETE SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
5. SEE PLATE 400 FOR ADDITIONAL DETAILS OF MANHOLE CONSTRUCTION.



CITY OF

DROP MANHOLE

STANDARD PLAN
2002

DRAWN: STAFF

CKD.: STAFF *LP*

Department of Public Works

APPR.

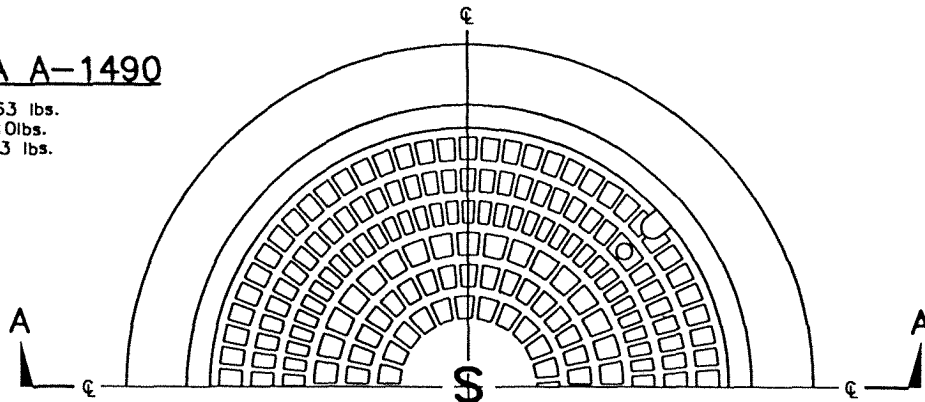
Granville M. Bowman
Granville M. Bowman

PLATE 411

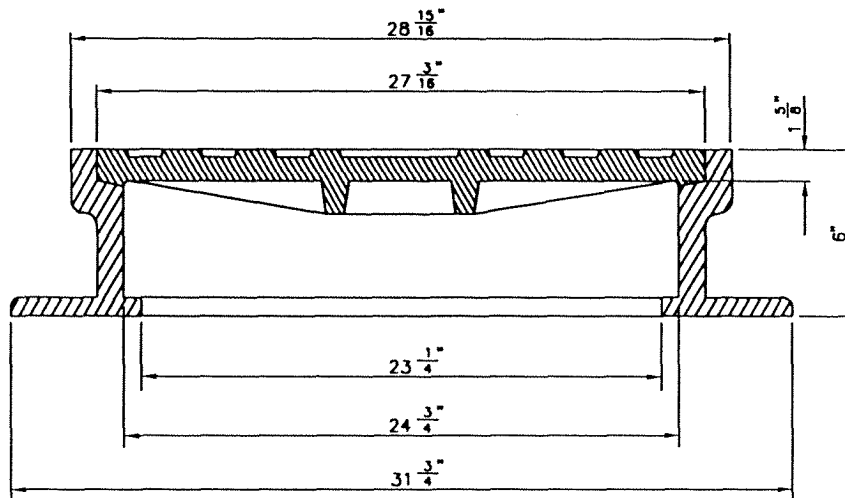
SHEET 1 OF 1

ALHAMBRA A-1490

COVER WT. = 263 lbs.
FRAME WT. = 210 lbs.
TOTAL WT. = 473 lbs.



PLAN



SECTION A-A

NOTES:

1. MANHOLE FRAMES AND COVERS SHALL BE MADE OF GRAY CAST IRON CONFORMING TO ASTM A-48-64 AND PAINTED WITH ASPHALTUM PAINT. ALHAMBRA 1490 OR APPROVED EQUAL.
2. FOUNDRY MARK SHALL BE SHOWN ON THE FRAME AND ON THE BOTTOM OF THE COVER.
3. COVERS SHALL BEAR THE LETTER "D" FOR STORM DRAINS AND "S" FOR SEWERS. THE LETTERS SHALL BE APPROXIMATELY 2 1/2" HIGH WITH 1/2" LINE WIDTH AND PLACED IN THE CENTER OF THE COVER. COVERS SHALL ALSO BEAR THE AGENCY'S IDENTIFICATION IN ACCORDANCE WITH INSTRUCTIONS FURNISHED BY THE AGENCY. ALL LETTERS SHALL BE FLUSH WITH THE FINISHED SURFACE OF THE COVER.
4. COVERS FOR MANHOLES LOCATED IN EASEMENTS, PARKWAYS, AND ALL OTHER PLACES EXCEPT PAVED STREETS OR ALLEYS SHALL BE PROVIDED WITH ALLEN SOCKET SET SCREW LOCKING DEVICES. THE CONTRACTOR SHALL DRILL AND TAP TWO HOLES TO A DEPTH OF 1 INCH AT 90 DEGREES TO PICK HOLE AND INSTALL 3/4-BY-3/4-INCH ALLEN SOCKET SET SCREWS.
5. THE WEIGHT OF THE COVER SHALL NOT VARY MORE THAN FIVE PERCENT FROM THAT SHOWN.



CITY OF

MANHOLE FRAME AND COVER

DRAWN: STAFF

CKD.: STAFF

Department of Public Works

APPR.

Granville M. Bowman

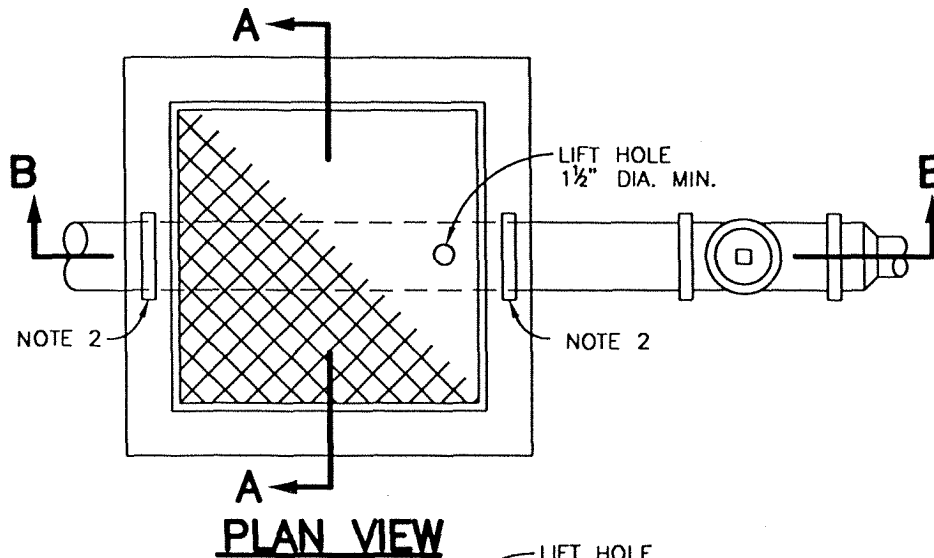
STANDARD PLAN
2002

PLATE 412

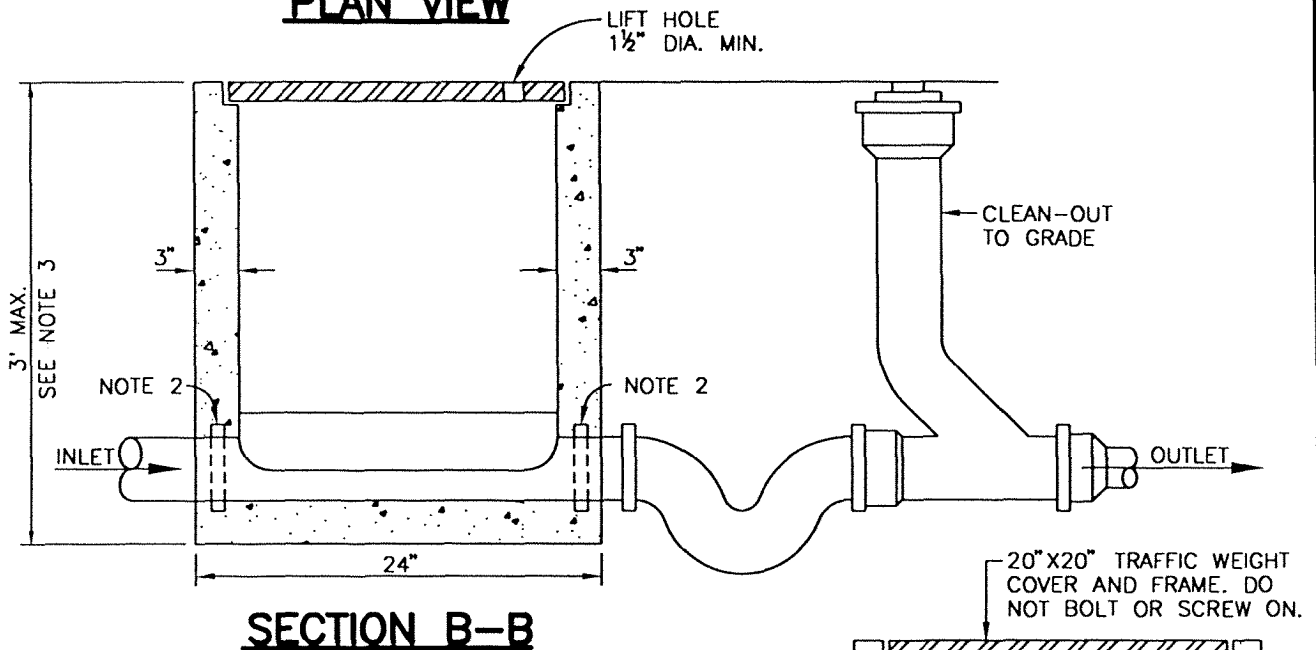
SHEET 1 OF 1

REV.	APPR.	BY	DATE

REV.	APPR.	BY	DATE



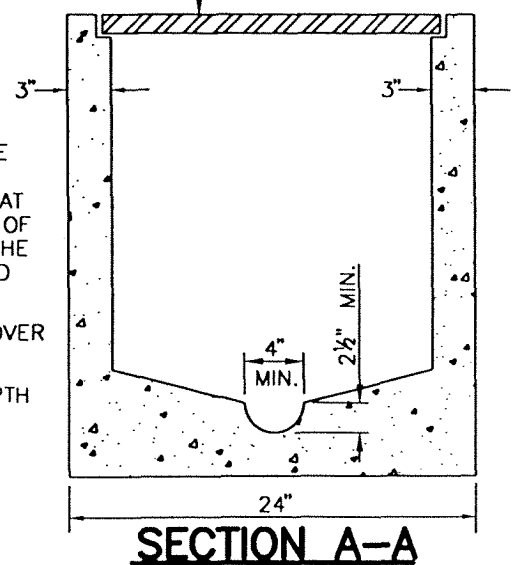
PLAN VIEW



SECTION B-B

NOTES:

1. APPROVAL FOR THE LOCATION OF THE SAMPLING WELL SHALL BE OBTAINED FROM THE SOURCE CONTROL PROGRAM PRIOR TO INSTALLATION. WHEN INSTALLING THE SAMPLE WELL, BE SURE THAT THE INVERT OF THE SAMPLING WELL IS LEVEL WITH THE INVERT OF THE INLET AND OUTLET PIPES. ELEVATE THE SIDEWALLS ABOVE THE SURROUNDING GROUND SURFACE TO EXCLUDE STORM WATER AND OR SURFACE RUNOFF.
2. FOR PLASTIC SEWER PIPE, PLACE TIGHT FITTING RUBBER RING OVER PIPE AT MIDPOINT WHERE IT PASSES THROUGH CONCRETE WALL.
3. USE PRE-CAST CONCRETE MANHOLE PER PLATE 400 WHEN DEPTH IS GREATER THAN 3 FEET.
4. FINAL INSPECTION BY SOURCE CONTROL.
5. PROTECTIVE COATING PER PLATE 400.



SECTION A-A



CITY OF

SAMPLING WELL

DRAWN: STAFF

CKD.: STAFF *LB*

Department of Public Works

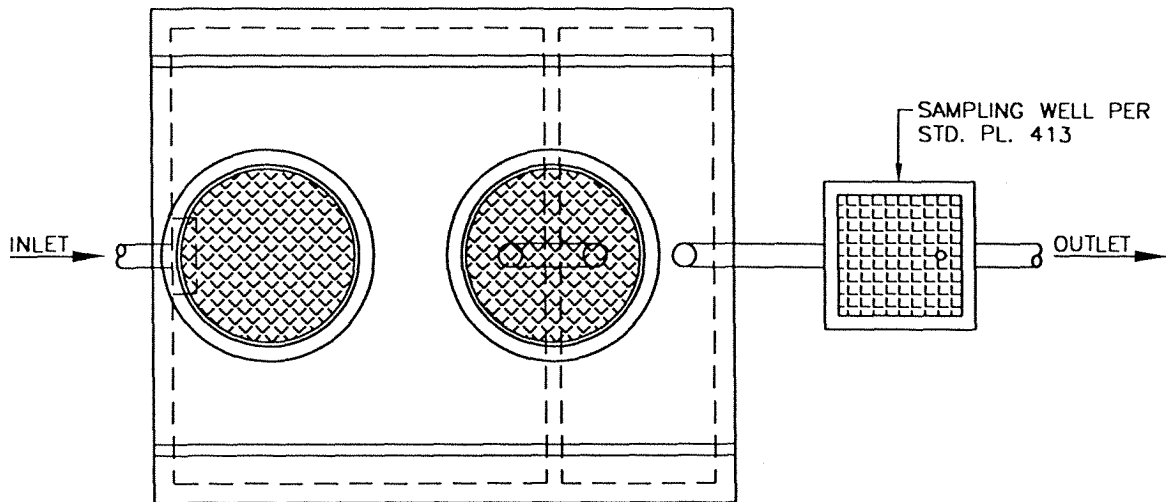
APPR.

Granville M. Bowman
Granville M. Bowman

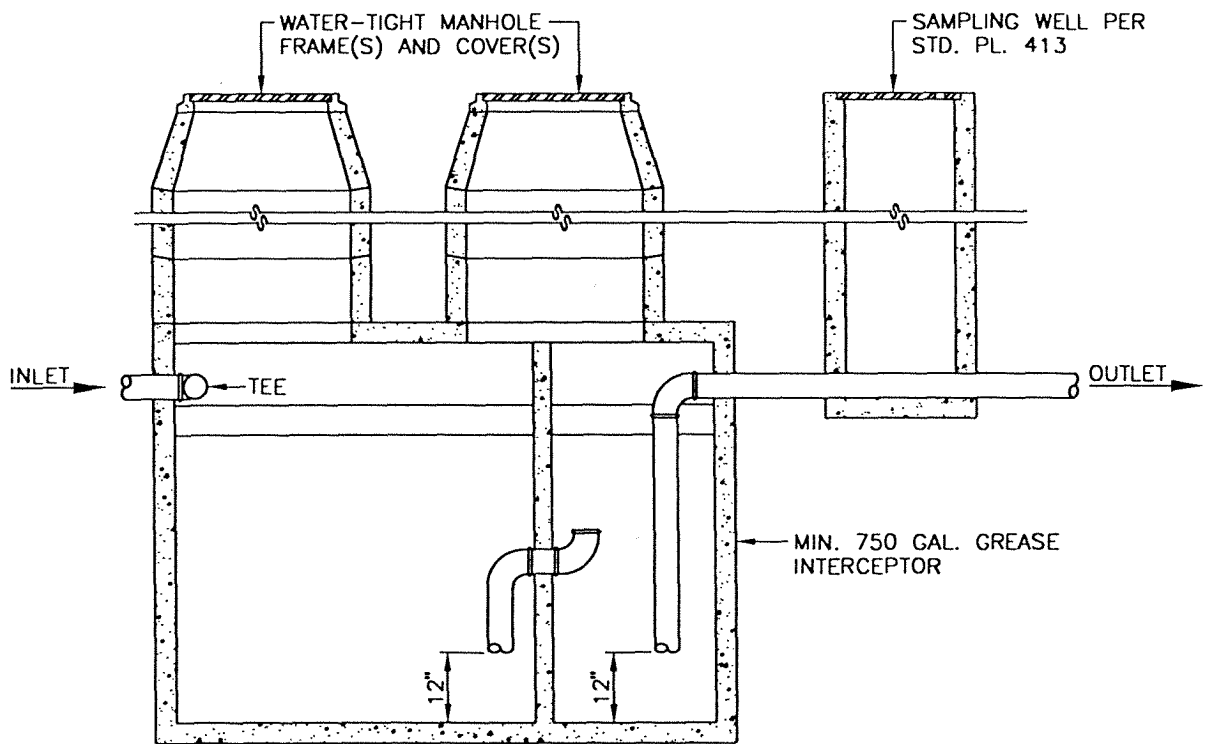
STANDARD PLAN
2002

PLATE 413

SHEET 1 OF 1



PLAN VIEW



LONGITUDINAL SECTION

NOTE:

1. PROTECTIVE COATING PER PLATE 400.



CITY OF

**GREASE INTERCEPTOR
INTERNAL PLUMBING CONFIGURATION**

DRAWN: STAFF

CKD.: STAFF

Department of Public Works

APPR.

Granville M. Bowman

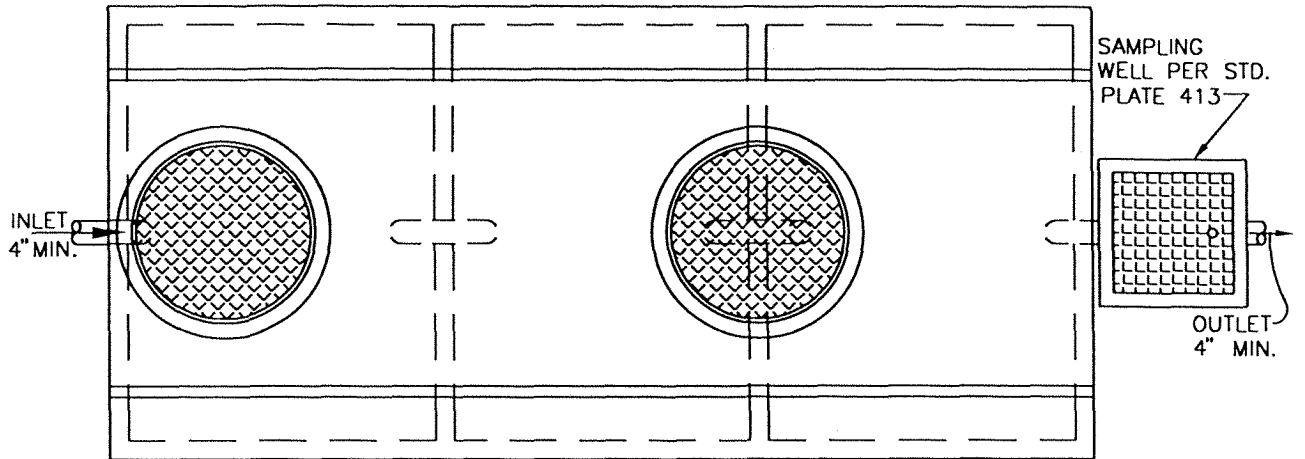
STANDARD PLAN
2002

PLATE 415

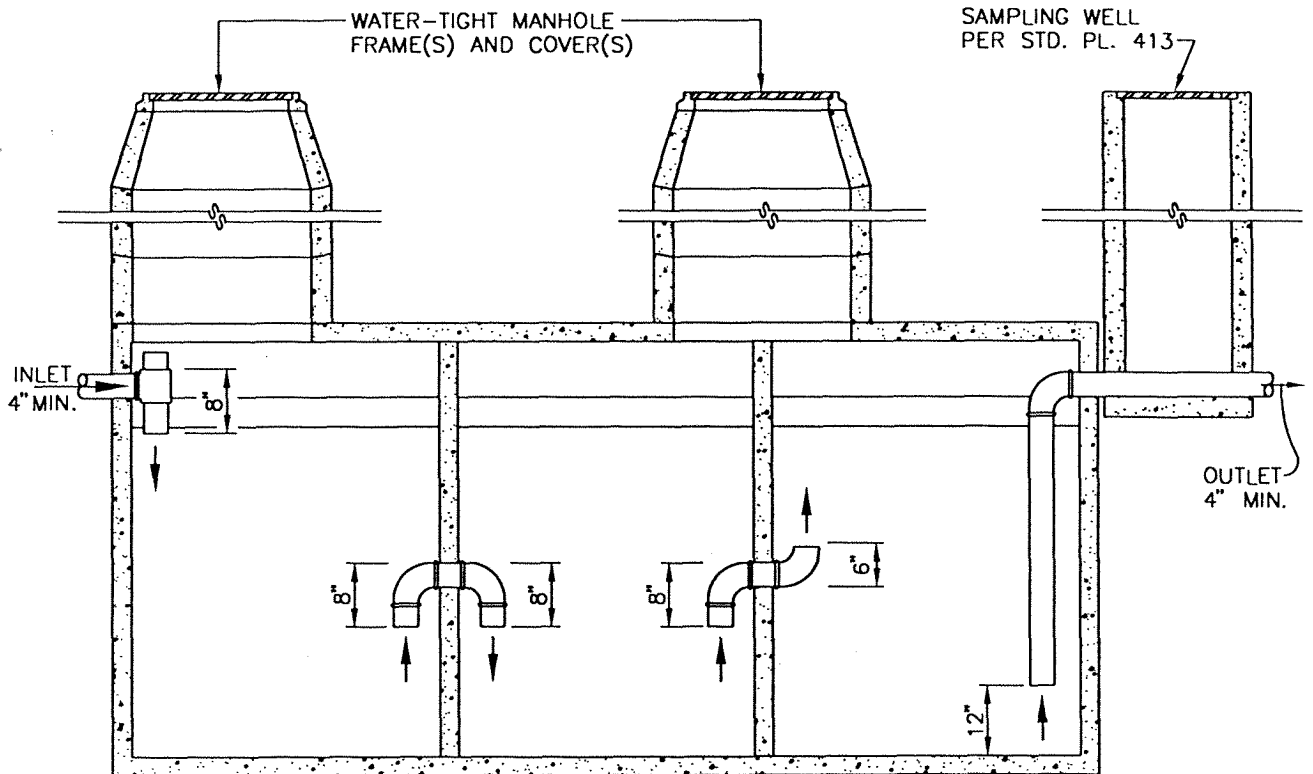
SHEET 1 OF 1

REV.	APPR. BY	DATE

REV.	APPR. BY	DATE



PLAN VIEW



LONGITUDINAL SECTION

NOTE:

1. PROTECTIVE COATING PER PLATE 400.



CITY OF

**GRAVITY SEPARATOR DEVICE
INTERNAL PLUMBING CONFIGURATION**

DRAWN: STAFF CKD.: STAFF

Department of Public Works

APPR.

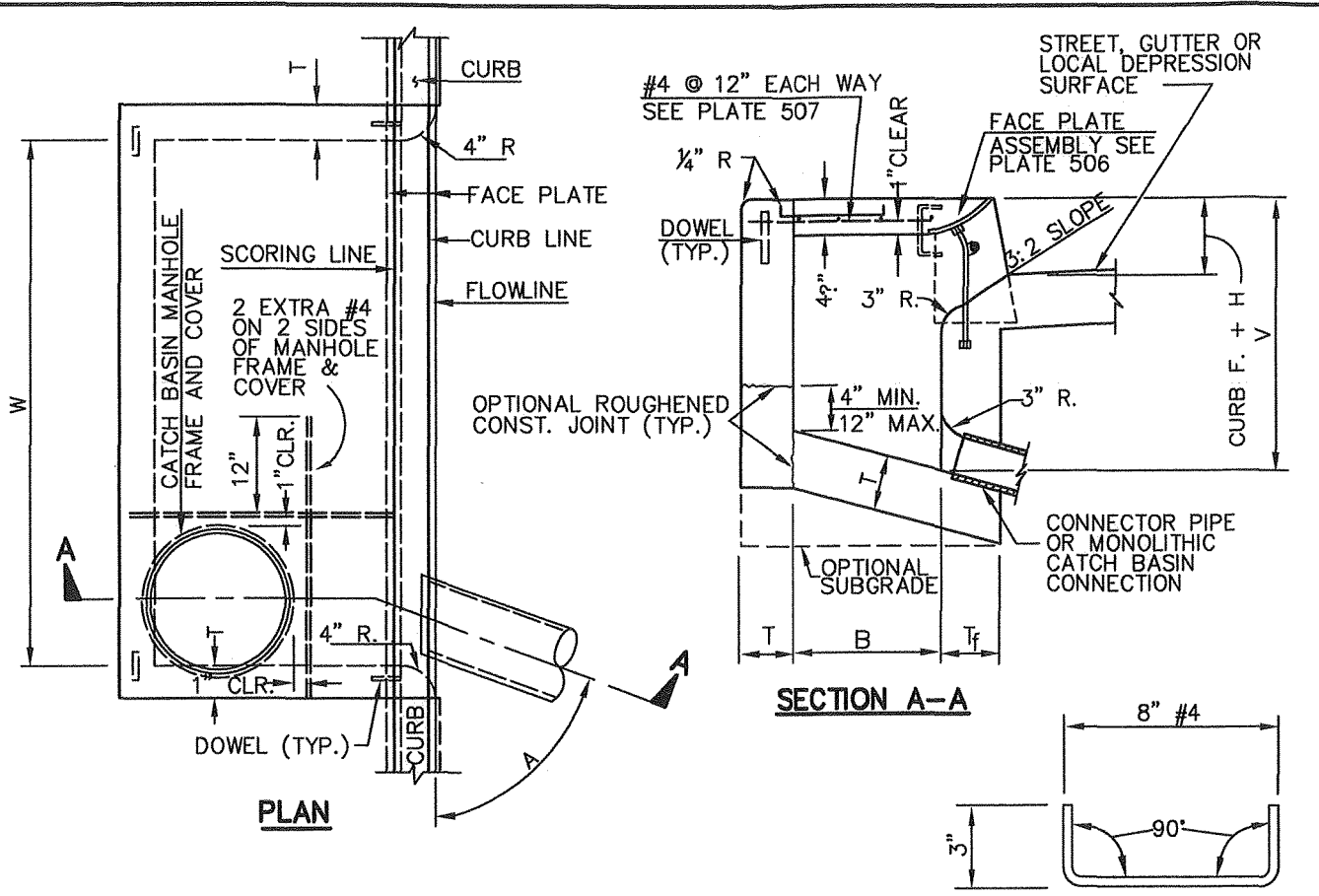
Granville M. Bowman

STANDARD PLAN
2002

PLATE 416

SHEET 1 OF 1

REV.	APPR. BY	DATE



REV.	APPR. BY	DATE

STRUCTURAL DATA							
WALL AND SLAB DIMENSIONS AND REINFORCEMENT REQUIREMENTS							
MAX. W	MAX. V	T	T f	REINFORCEMENT REQUIRED IN			
				FRONT WALL	REAR WALL	BOTTOM SLAB	END WALL
3.5'	8'	6"	6"	NO	REINFORCEMENT	REQUIRED	REQUIRED
3.5'	12'	8"	8"				
7'	6'	6"	6"				
7'	12'	8"	8"				
14'	4'	6"	6"	REINFORCEMENT	REQUIRED	REQUIRED	REQUIRED
14'	8'	6"	8"				
14'	12'	8"	10"				
21' AND 28'	4'	6"	6"				
	6'	6"	8"				
	8'	8"	8"				
	10'	8"	10"				
	12'	8"	10"				
SEE PLATE 507							
FOR W > 28', V > 12' OR B > 4' SEE PROJECT PLANS							

CITY OF

Department of Public Works

CURB OPENING CATCH BASIN

DRAWN: STAFF CKD.: PAUL WENDT

APPR. L. Balderrama, PE, City Engineer

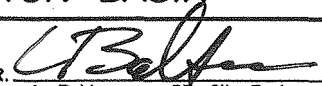
STANDARD PLAN 2002

PLATE 501

SHEET 1 OF 2

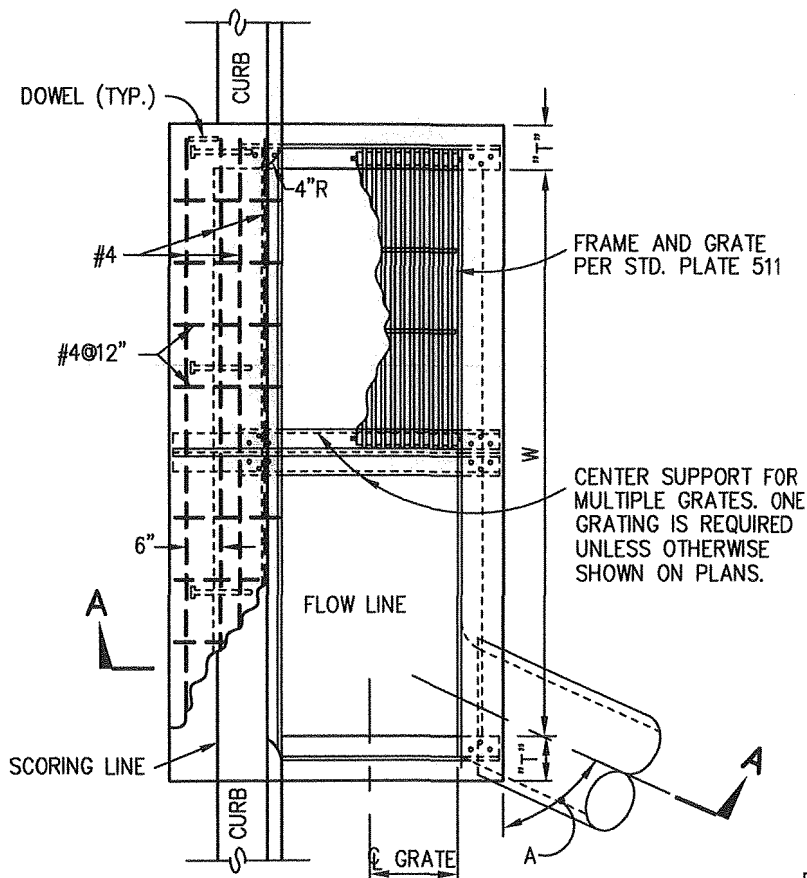
NOTES:

1. WHERE THE BASIN IS TO BE CONSTRUCTED WITHIN THE LIMITS OF EXISTING OR PROPOSED SIDEWALK OR IS CONTIGUOUS TO SUCH SIDEWALK, THE TOP SLAB OF THE BASIN MAY BE POURED EITHER MONOLITHIC WITH THE SIDEWALK OR SEPARATELY, USING THE SAME CLASS OF CONCRETE AS THE BASIN. WHEN POURED MONOLITHICALLY, THE SIDEWALK SHALL BE PROVIDED WITH A WEAKENED PLANE OR A 1" DEEP SAWCUT CONTINUOUSLY AROUND THE EXTERNAL PERIMETER OF THE CATCH BASIN WALLS, INCLUDING ACROSS THE FULL WIDTH OF THE SIDEWALK. SURFACE OF ALL EXPOSED CONCRETE SHALL CONFORM IN SLOPE, GRADE, COLOR, FINISH, AND SCORING TO EXISTING OR PROPOSED CURB AND WALK ADJACENT TO THE BASIN.
2. ALL CURVED CONCRETE SURFACES SHALL BE FORMED BY CURVED FORMS, AND SHALL NOT BE SHAPED BY PLASTERING.
3. FLOOR OF BASIN SHALL BE GIVEN A STEEL TROWEL FINISH AND SHALL HAVE A LONGITUDINAL AND LATERAL SLOPE OF 1:12 MINIMUM AND 1:3 MAXIMUM, EXCEPT WHERE THE GUTTER GRADE EXCEEDS 8 PERCENT, IN WHICH CASE THE LONGITUDINAL SLOPE OF THE FLOOR SHALL BE THE SAME AS THE GUTTER GRADE. SLOPE FLOOR FROM ALL DIRECTIONS TO THE OUTLET.
4. DIMENSIONS:
 $B = 3'-2"$
 $V =$ THE DIFFERENCE IN ELEVATION BETWEEN THE TOP OF THE CURB AND THE INVERT OF THE CATCH BASIN AT THE OUTLET $= 4.5'$.
 $V_U =$ THE DIFFERENCE IN ELEVATION BETWEEN THE TOP OF THE CURB AND THE INVERT AT THE UPSTREAM END OF THE BASIN. V_U SHALL BE DETERMINED BY THE REQUIREMENTS OF NOTE 3, BUT SHALL NOT BE LESS THAN CURB FACE PLUS 12".
 $V_I =$ THE DIFFERENCE IN ELEVATION BETWEEN THE TOP OF THE CURB AND THE INVERT OF THE INLET, NOTED ON THE PROJECT PLANS.
 $H = 2"$ UNLESS NOTED ON THE PROJECT PLANS.
 $W =$ NOTED ON THE PROJECT PLANS AND SHALL BE 3.5', 7', 10, 14, OR 21'.
 $A =$ THE ANGLE, IN DEGREES, INTERCEPTED BY THE CENTERLINE OF THE CONNECTOR PIPE AND THE CATCH BASIN WALL TO WHICH THE CONNECTOR PIPE IS ATTACHED.
5. PLACE CONNECTOR PIPES AS INDICATED ON THE PROJECT PLANS. UNLESS OTHERWISE SPECIFIED, THE CONNECTOR PIPE SHALL BE LOCATED AT THE DOWNSTREAM END OF THE BASIN. WHERE THE CONNECTOR PIPE IS SHOWN AT A CORNER, THE CENTERLINE OF THE PIPE SHALL INTERSECT THE INSIDE CORNER OF THE BASIN. THE PIPE MAY BE CUT AND TRIMMED AT A SKEW NECESSARY TO INSURE MINIMUM 3" PIPE EMBEDMENT, ALL AROUND, WITHIN THE CATCH BASIN WALL, AND 3" RADIUS OF ROUNDING OF STRUCTURE CONCRETE, ALL AROUND, ADJACENT TO PIPE ENDS. A MONOLITHIC CATCH BASIN CONNECTION SHALL BE USED TO JOIN THE CONNECTOR PIPE TO THE CATCH BASIN WHENEVER ANGLE "A" IS LESS THAN 70 DEGREES OR GREATER THAN 110 DEGREES, OR WHENEVER THE CONNECTOR PIPE IS LOCATED IN A CORNER. THE OPTIONAL USE OF A MONOLITHIC CATCH BASIN CONNECTION IN ANY CASE IS PERMITTED. MONOLITHIC CATCH BASIN CONNECTIONS MAY BE CONSTRUCTED TO AVOID CUTTING STANDARD LENGTHS OF PIPE.
6. DOWELS ARE REQUIRED AT EACH CORNER AND AT 7' ON CENTER (MAX.) ALONG THE BACKWALL.
7.  ALL CATCH BASINS SHALL INCLUDE INSTALLATION OF A PLACARD STATING "NO DUMPING - DRAINS TO OCEAN" (or WETLANDS or WATERWAYS as applicable). PLACARD SHALL BE PLACED ON THE TOP OF CURB ON THE LEFT SIDE OF THE OPENING ORIENTED SO READABLE FROM THE SIDEWALK. PLACARDS ARE AVAILABLE FROM STORMWATER QUALITY PROGRAM.
8. THE FOLLOWING STANDARD PLANS ARE INCORPORATED HEREIN:
 508 MONOLITHIC CATCH BASIN CONNECTION
 507 CATCH BASIN REINFORCEMENT
 506 CATCH BASIN FACE PLATE ASSEMBLY AND PROTECTION BAR
 510 CATCH BASIN MANHOLE FRAME AND COVER

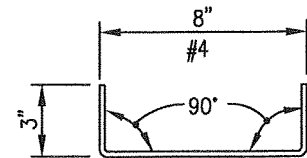
	CITY OF		CURB OPENING CATCH BASIN		STANDARD PLAN 2002
	DRAWN: STAFF	CKD.: PAUL WENDT	 APPR. L. Bolderrama, PE, City Engineer		PLATE 501
Department of Public Works					SHEET 2 OF 2

REV.	APPR. BY	DATE

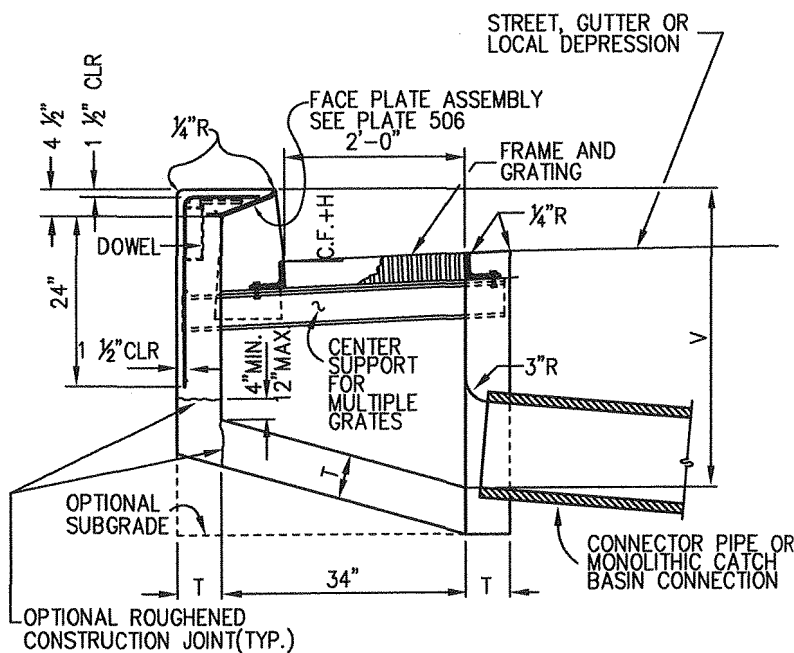
REV.	APPR. BY	DATE



PLAN



DOWEL DETAIL



SECTION A-A

STRUCTURAL DATA

WALL AND SLAB DIMENSIONS AND REINFORCEMENT REQUIREMENTS

NO. OF GRATES	MAXIMUM V	T	REINFORCEMENT FOR WALLS AND SLABS
1-2	4'	6"	NOT REQUIRED
1-2	8'	8"	
1-2	10'	10"	
1-2	12'	10"	REQUIRED
3-4	4'	6"	NOT REQUIRED
3-4	7'	8"	
3-4	8'	8"	REQUIRED
3-4	12'	10'	
5-6	4'	6"	NOT REQUIRED
5-6	6'	8"	
5-6	8'	8"	REQUIRED
5-6	12'	10"	
>6	4'	6"	
>6	8'	8"	
>6	12'	10"	

	CITY OF		CURB OPENING CATCH BASIN WITH GRATING(S)		STANDARD PLAN 2002
	DRAWN: STAFF		CKD.: PAUL WENDT		PLATE 502
Department of Public Works		APPR.		SHEET 1 OF 2	
		L. Balderrama, PE, City Engineer			

NOTES:

1. WHERE THE BASIN IS TO BE CONSTRUCTED WITHIN THE LIMITS OF EXISTING OR PROPOSED SIDEWALK OR IS CONTIGUOUS TO SUCH SIDEWALK, THE TOP SLAB OF THE BASIN MAY BE POURED EITHER MONOLITHIC WITH THE SIDEWALK OR SEPARATELY, USING THE SAME CLASS OF CONCRETE AS THE BASIN. WHEN POURED MONOLITHICALLY, THE SIDEWALK SHALL BE PROVIDED WITH A WEAKENED PLANE OR A 1" DEEP SAWCUT CONTINUOUSLY AROUND THE EXTERNAL PERIMETER OF THE CATCH BASIN WALLS, INCLUDING ACROSS THE FULL WIDTH OF THE SIDEWALK. SURFACE OF ALL EXPOSED CONCRETE SHALL CONFORM IN SLOPE, GRADE, COLOR, FINISH, AND SCORING TO EXISTING OR PROPOSED CURB AND WALK ADJACENT TO THE BASIN.
2. ALL CURVED CONCRETE SURFACES SHALL BE FORMED BY CURVED FORMS, AND SHALL NOT BE SHAPED BY PLASTERING.
3. FLOOR OF BASIN SHALL BE GIVEN A STEEL TROWEL FINISH AND SHALL HAVE A LONGITUDINAL AND LATERAL SLOPE OF 1:12 MINIMUM AND 1:3 MAXIMUM, EXCEPT WHERE THE GUTTER GRADE EXCEEDS 8 PERCENT, IN WHICH CASE THE LONGITUDINAL SLOPE OF THE FLOOR SHALL BE THE SAME AS THE GUTTER GRADE. SLOPE FLOOR FROM ALL DIRECTIONS TO THE OUTLET.
4. DIMENSIONS:

V = THE DIFFERENCE IN ELEVATION BETWEEN THE TOP OF THE CURB AND THE INVERT OF THE CATCH BASIN AT THE OUTLET = 4.5'.

V_U = THE DIFFERENCE IN ELEVATION BETWEEN THE TOP OF THE CURB AND THE INVERT AT THE UPSTREAM END OF THE BASIN. V_U SHALL BE DETERMINED BY THE REQUIREMENTS OF NOTE 3, BUT SHALL NOT BE LESS THAN CURB FACE PLUS 12".

V_I = THE DIFFERENCE IN ELEVATION BETWEEN THE TOP OF THE CURB AND THE INVERT OF THE INLET, NOTED ON THE PROJECT PLANS.

H = 2" UNLESS NOTED ON THE PROJECT PLANS.

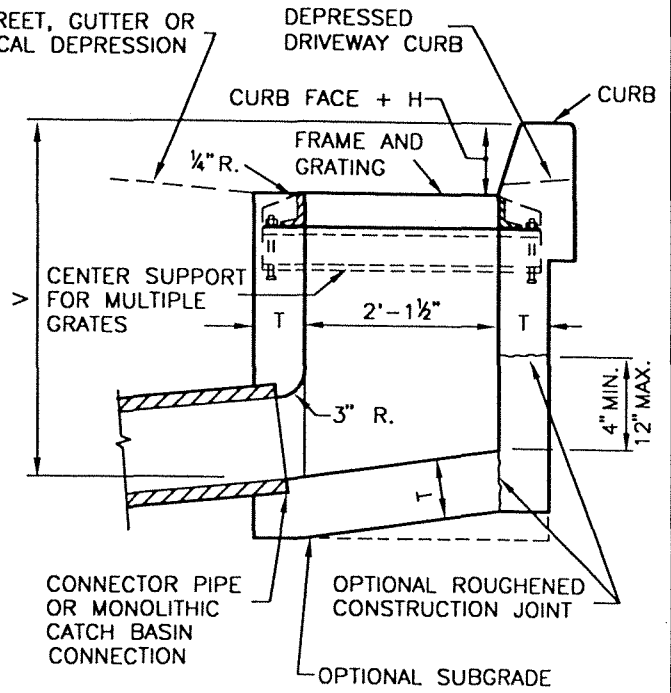
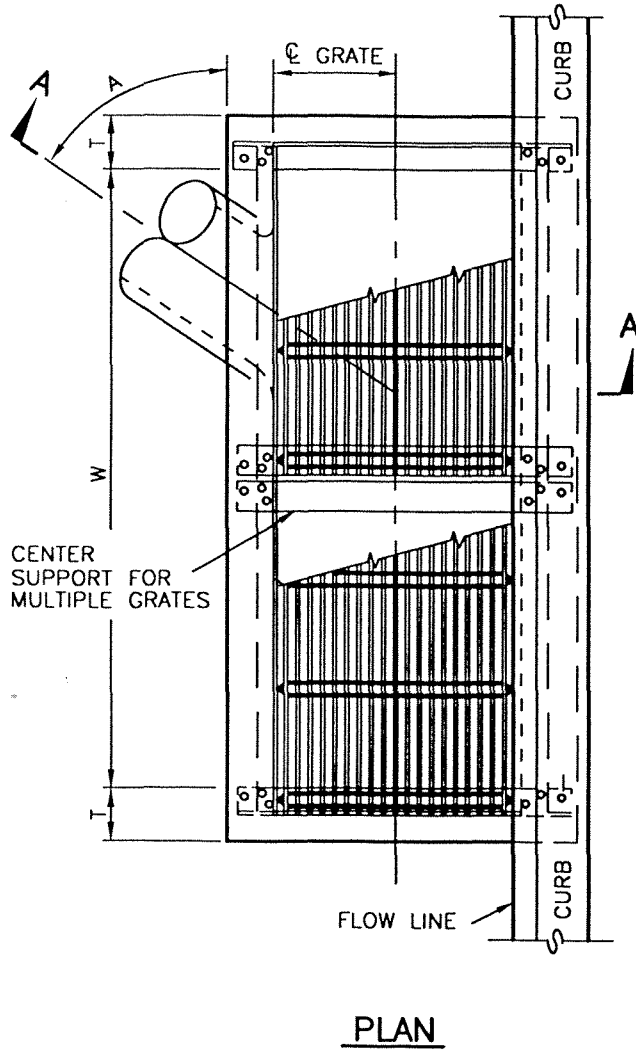
W = 2'-11 $\frac{3}{8}$ " FOR ONE GRATING: ADD 3'-5 $\frac{3}{8}$ " FOR EACH ADDITIONAL GRATING.

A = THE ANGLE, IN DEGREES, INTERCEPTED BY THE CENTERLINE OF THE CONNECTOR PIPE AND THE CATCH BASIN WALL TO WHICH THE CONNECTOR PIPE IS ATTACHED.
5. PLACE CONNECTOR PIPES AS INDICATED ON THE PROJECT PLANS. UNLESS OTHERWISE SPECIFIED, THE CONNECTOR PIPE SHALL BE LOCATED AT THE DOWNSTREAM END OF THE BASIN. WHERE THE CONNECTOR PIPE IS SHOWN AT A CORNER, THE CENTERLINE OF THE PIPE SHALL INTERSECT THE INSIDE CORNER OF THE BASIN. THE PIPE MAY BE CUT AND TRIMMED AT A SKEW NECESSARY TO INSURE MINIMUM 3" PIPE EMBEDMENT, ALL AROUND, WITHIN THE CATCH BASIN WALL, AND 3" RADIUS OF ROUNDING OF STRUCTURE CONCRETE, ALL AROUND, ADJACENT TO PIPE ENDS. A MONOLITHIC CATCH BASIN CONNECTION SHALL BE USED TO JOIN THE CONNECTOR PIPE TO THE CATCH BASIN WHENEVER ANGLE "A" IS LESS THAN 70 DEGREES OR GREATER THAN 110 DEGREES, OR WHENEVER THE CONNECTOR PIPE IS LOCATED IN A CORNER. THE OPTIONAL USE OF A MONOLITHIC CATCH BASIN CONNECTION IN ANY CASE IS PERMITTED. MONOLITHIC CATCH BASIN CONNECTIONS MAY BE CONSTRUCTED TO AVOID CUTTING STANDARD LENGTHS OF PIPE.
6. DOWELS ARE REQUIRED AT EACH CORNER AND AT 7' ON CENTER (MAX.) ALONG THE BACKWALL.
7. ALL CATCH BASINS SHALL INCLUDE INSTALLATION OF A PLACARD STATING "NO DUMPING - DRAINS TO OCEAN" (or WETLANDS or WATERWAYS as applicable). PLACARD SHALL BE PLACED ON THE TOP OF CURB ON THE LEFT SIDE OF THE OPENING ORIENTED SO READABLE FROM THE SIDEWALK. PLACARDS ARE AVAILABLE FROM STORMWATER QUALITY PROGRAM.
8. THE FOLLOWING STANDARD PLANS ARE INCORPORATED HEREIN:
 - 508 MONOLITHIC CATCH BASIN CONNECTION
 - 507 CATCH BASIN REINFORCEMENT
 - 506 CATCH BASIN FACE PLATE ASSEMBLY AND PROTECTION BAR
 - 511 FRAME AND GRATING FOR CATCH BASINS

	CITY OF Oxnard		CURB OPENING CATCH BASIN WITH GRATING(S)		STANDARD PLAN 2002
	DRAWN: STAFF	CKD.: PAUL WENDT			PLATE 502
Department of Public Works			APPR. L. Balderrama, PE, City Engineer		SHEET 2 OF 2

REV.	APPR. BY	DATE

REV.	APPR. BY	DATE



STRUCTURAL DATA			
WALL AND SLAB DIMENSIONS AND REINFORCEMENT REQUIREMENTS			
NO. OF GRATES	MAX. V	T	REINFORCEMENT FOR WALLS AND SLABS
1-2	4'	6"	NOT REQUIRED
1-2	8'	8"	
1-2	10'	10"	
1-2	12'	10"	REQUIRED
3-4	4'	6"	NOT REQUIRED
3-4	7'	8"	
3-4	8'	8"	REQUIRED
3-4	12'	10"	
5-6	4'	6"	NOT REQUIRED
5-6	6'	8"	
5-6	8'	8"	REQUIRED
5-6	12'	8"	
>6	4'	6"	
>6	8'	8"	
>6	12'	10"	

	CURBSIDE GRATING CATCH BASIN		STANDARD PLAN 2002
	DRAWN: STAFF	CKD.: STAFF <i>LB</i>	PLATE 503
Department of Public Works		APPR. <i>Granville M. Bowman</i> Granville M. Bowman	SHEET 1 OF 2

NOTES:

1. SURFACE OF ALL EXPOSED CONCRETE SHALL CONFORM IN SLOPE GRADE, COLOR, FINISH, AND SCORING TO THE EXISTING OR PROPOSED CURB ADJACENT TO THE BASIN.
2. ALL CURVED CONCRETE SURFACES SHALL BE FORMED BY CURVED FORMS, AND SHALL NOT BE SHAPED BY PLASTERING.
3. FLOOR OF BASIN SHALL BE GIVEN A STEEL TROWEL FINISH AND SHALL HAVE A LONGITUDINAL AND LATERAL SLOPE OF 1:12 MINIMUM AND 1:3 MAXIMUM, EXCEPT WHERE THE GUTTER GRADE EXCEEDS 8 PERCENT, IN WHICH CASE THE LONGITUDINAL SLOPE OF THE FLOOR SHALL BE THE SAME AS THE GUTTER GRADE. SLOPE FLOOR FROM ALL DIRECTIONS TO THE OUTLET.
4. DIMENSIONS:
 - V = THE DIFFERENCE IN ELEVATION BETWEEN THE TOP OF THE CURB AND THE INVERT OF THE CATCH BASIN AT THE OUTLET = 4.5'.
 - V_1 = THE DIFFERENCE IN ELEVATION BETWEEN THE TOP OF THE CURB AND THE INVERT AT THE INLET. NOTED ON THE PROJECT PLANS.
 - V_U = THE DIFFERENCE IN ELEVATION BETWEEN THE TOP OF THE CURB AND THE INVERT AT THE UPSTREAM END OF THE OF THE BASIN, AND SHALL BE DETERMINED BY THE REQUIREMENTS OF NOTE 3, BUT SHALL NOT BE LESS THAN CURB FACE PLUS 12".
 - H = 2" UNLESS NOTED ON THE PROJECT PLANS.
 - W = 2'-11 $\frac{3}{8}$ " FOR ONE GRATING ADD 3'-5 $\frac{3}{8}$ " FOR EACH ADDITIONAL GRATING.
 - A = THE ANGLE, IN DEGREES, INTERCEPTED BY THE CENTERLINE OF THE CONNECTOR PIPE AND THE CATCH BASIN WALL TO WHICH THE CONNECTOR PIPE IS ATTACHED.
5. PLACE CONNECTOR PIPES AS INDICATED ON THE PROJECT PLANS. UNLESS OTHERWISE SPECIFIED, THE CONNECTOR PIPE SHALL BE LOCATED AT THE DOWNSTREAM END OF THE BASIN. WHERE THE CONNECTOR PIPE IS SHOWN AT A CORNER, THE CENTERLINE OF THE PIPE SHALL INTERSECT THE INSIDE CORNER OF THE BASIN. THE PIPE MAY BE CUT AND TRIMMED AT A SKEW NECESSARY TO INSURE MINIMUM 3" PIPE EMBEDMENT, ALL AROUND, WITHIN THE CATCH BASIN WALL, AND 3" RADIUS OF ROUNDING OF STRUCTURE CONCRETE, ALL AROUND, ADJACENT TO PIPE ENDS. A MONOLITHIC CATCH BASIN CONNECTION SHALL BE USED TO JOIN THE CONNECTOR PIPE TO THE CATCH BASIN WHENEVER ANGLE "A" IS LESS THAN 70 DEGREES OR GREATER THAN 110 DEGREES, OR WHENEVER THE CONNECTOR PIPE IS LOCATED IN A CORNER. THE OPTIONAL USE OF A MONOLITHIC CATCH BASIN CONNECTION IN ANY CASE IS PERMITTED. MONOLITHIC CATCH BASIN CONNECTIONS MAY BE CONSTRUCTED TO AVOID CUTTING STANDARD LENGTHS OF PIPE.
6. DOWELS ARE REQUIRED AT EACH CORNER AND AT 7' ON CENTER (MAX.) ALONG THE BACKWALL.
7. ALL CATCH BASINS SHALL INCLUDE INSTALLATION OF A PLACARD STATING "DON'T DUMP - DRAINS TO OCEAN". PLACARD SHALL BE PLACED ON THE LEFT SIDE OF BASIN OPENING. PLACARDS ARE AVAILABLE FROM STORMWATER QUALITY PROGRAM.
8. THE FOLLOWING STANDARD PLANS ARE INCORPORATED HERIN:
 - 508 MONOLITHIC CATCH BASIN CONNECTION
 - 507 CATCH BASIN REINFORCEMENT
 - 511 FRAME AND GRATING FOR CATCH BASINS
9. ONE GRATING IS REQUIRED UNLESS OTHERWISE SHOWN ON THE PROJECT PLANS.



CITY OF

CURBSIDE GRATING CATCH BASIN

STANDARD PLAN
2002

DRAWN: STAFF

CKD.: STAFF *LB*

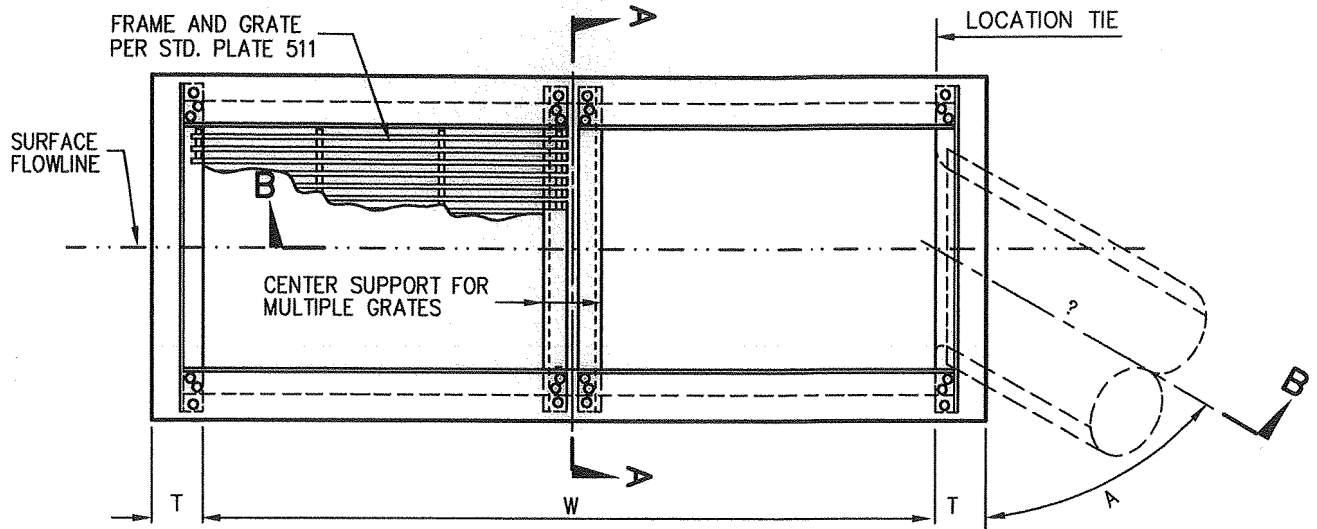
APPR.

Granville M. Bowman
Granville M. Bowman

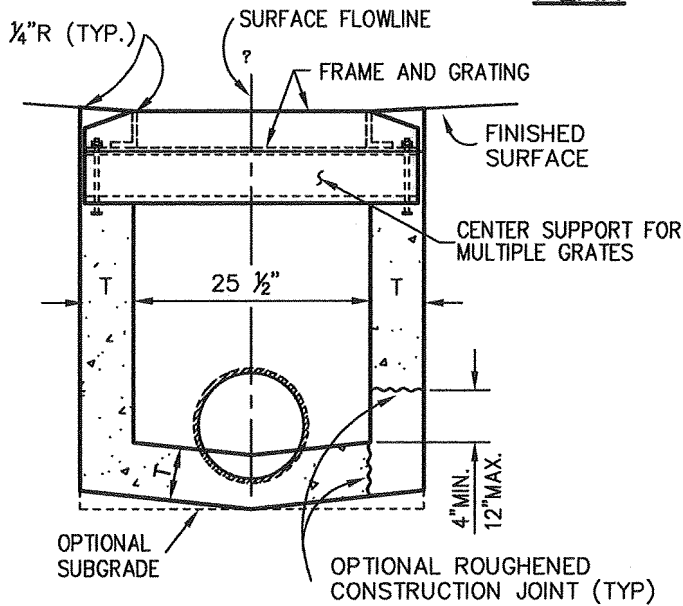
Department of Public Works

PLATE 503

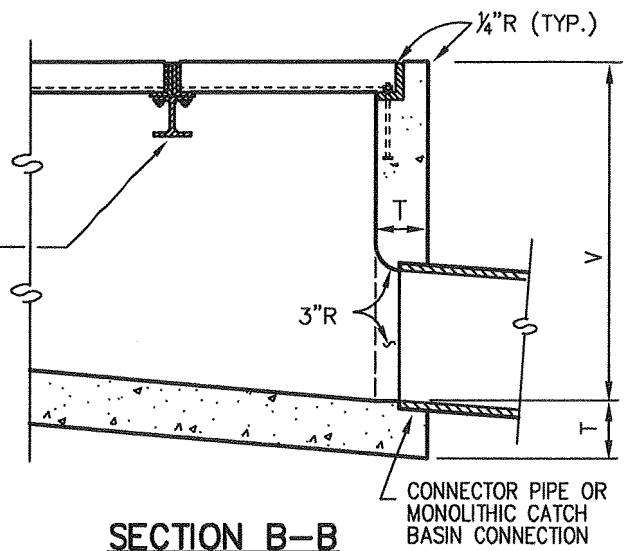
SHEET 2 OF 2



PLAN



SECTION A-A



SECTION B-B

STRUCTURAL DATA

WALL AND SLAB DIMENSIONS AND REINFORCEMENT REQUIREMENTS

NO. OF GRATES	MAX. V	T	REINFORCEMENT FOR WALLS AND SLABS
1-2	4'	6"	NOT REQUIRED
1-2	8'	8"	
1-2	10'	10"	
1-2	12'	10"	REQUIRED
3-4	4'	6"	NOT REQUIRED
3-4	7'	8"	
3-4	8'	8"	
3-4	12'	10"	REQUIRED
5-6	4'	6"	NOT REQUIRED
5-6	6'	8"	
5-6	8'	8"	
5-6	12'	10"	REQUIRED
>6	4'	6"	
>6	8'	8"	
>6	12'	10"	



CITY OF

GRATED CATCH BASIN-ALLEY (LONGITUDINAL)

STANDARD PLAN
2002

DRAWN: STAFF CKD.: PAUL WENDT

Department of Public Works

APPR.

L. Balderrama
L. Balderrama, PE, City Engineer

PLATE 504

SHEET 1 OF 2

NOTES:

1. ALL CURVED CONCRETE SURFACES SHALL BE FORMED BY CURVED FORMS, AND SHALL NOT BE SHAPED BY PLASTERING.
2. FLOOR OF BASIN SHALL BE GIVEN A STEEL TROWEL FINISH AND SHALL HAVE A LONGITUDINAL AND LATERAL SLOPE OF 1:12 MINIMUM AND 1:3 MAXIMUM, EXCEPT WHERE THE GUTTER GRADE EXCEEDS 8 PERCENT, IN WHICH CASE THE LONGITUDINAL SLOPE OF THE FLOOR SHALL BE THE SAME AS THE GUTTER GRADE. SLOPE FLOOR FROM ALL DIRECTIONS TO THE OUTLET.
3. DIMENSIONS:
 $V = 3.5 \text{ FT.}$
 $V_U =$ THE DEPTH AT THE UPSTREAM END OF THE BASIN AND SHALL BE DETERMINED BY THE REQUIREMENTS OF NOTE 2, BUT SHALL NOT BE LESS THAN 2.5'.
 $V_I =$ THE DEPTH AT THE INVERT OF THE INLET. NOTED ON PLANS.
 $W = 2'-11 \frac{3}{8}"$ FOR ONE GRATING ADD $3'-5 \frac{3}{8}"$ FOR EACH ADDITIONAL GRATING.
 $A =$ THE ANGLE, IN DEGREES, INTERCEPTED BY THE CENTERLINE OF THE CONNECTOR PIPE AND THE CATCH BASIN WALL TO WHICH THE CONNECTOR PIPE IS ATTACHED.
4. PLACE CONNECTOR PIPES AS INDICATED ON THE PROJECT PLANS. UNLESS OTHERWISE SPECIFIED, THE CONNECTOR PIPE SHALL BE LOCATED AT THE DOWNSTREAM END OF THE BASIN. WHERE THE CONNECTOR PIPE IS SHOWN AT A CORNER, THE CENTERLINE OF THE PIPE SHALL INTERSECT THE INSIDE CORNER OF THE BASIN. THE PIPE MAY BE CUT AND TRIMMED AT A SKEW NECESSARY TO INSURE MINIMUM 3" PIPE EMBEDMENT, ALL AROUND, WITHIN THE CATCH BASIN WALL, AND 3" RADIUS OF ROUNDING OF STRUCTURE CONCRETE, ALL AROUND, ADJACENT TO PIPE ENDS. A MONOLITHIC CATCH BASIN CONNECTION SHALL BE USED TO JOIN THE CONNECTOR PIPE TO THE CATCH BASIN WHENEVER ANGLE "A" IS LESS THAN 70 DEGREES OR GREATER THAN 110 DEGREES, OR WHENEVER THE CONNECTOR PIPE IS LOCATED IN A CORNER. THE OPTIONAL USE OF A MONOLITHIC CATCH BASIN CONNECTION IN ANY CASE IS PERMITTED. MONOLITHIC CATCH BASIN CONNECTIONS MAY BE CONSTRUCTED TO AVOID CUTTING STANDARD LENGTHS OF PIPE.
5.  ALL CATCH BASINS SHALL INCLUDE INSTALLATION OF A PLACARD STATING "NO DUMPING - DRAINS TO OCEAN" (or WETLANDS or WATERWAYS as applicable). PLACARD SHALL BE PLACED ON THE TOP OF CURB ON THE LEFT SIDE OF THE OPENING ORIENTED SO READABLE FROM THE SIDEWALK. PLACARDS ARE AVAILABLE FROM STORMWATER QUALITY PROGRAM.
6. THE FOLLOWING STANDARD PLANS ARE INCORPORATED HEREIN:
 508 MONOLITHIC CATCH BASIN CONNECTION
 507 CATCH BASIN REINFORCEMENT
 511 FRAME AND GRATING FOR CATCH BASINS
7. ONE GRATING IS REQUIRED UNLESS OTHERWISE SHOWN ON THE PROJECT PLANS.

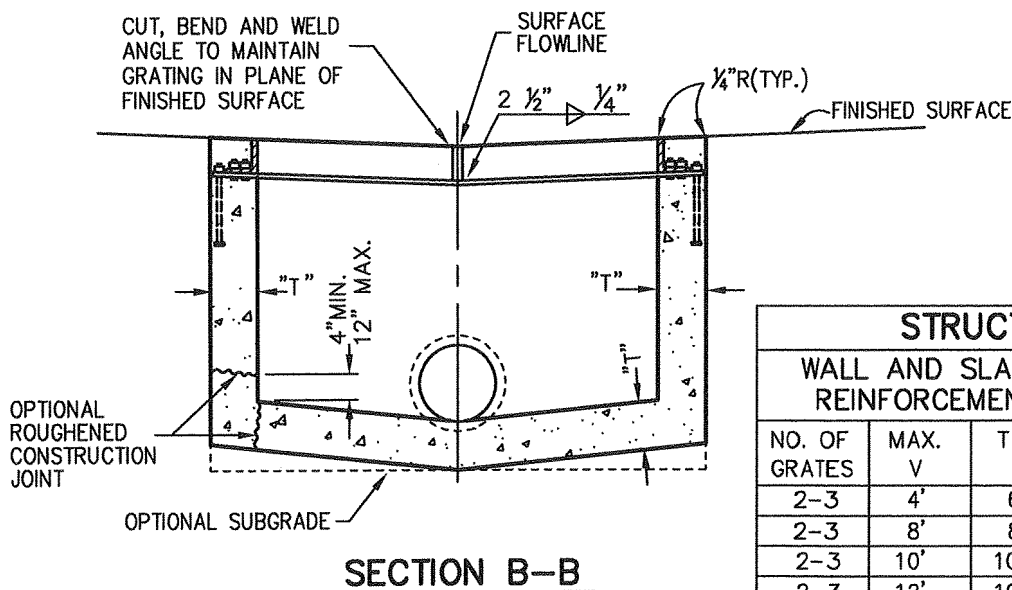
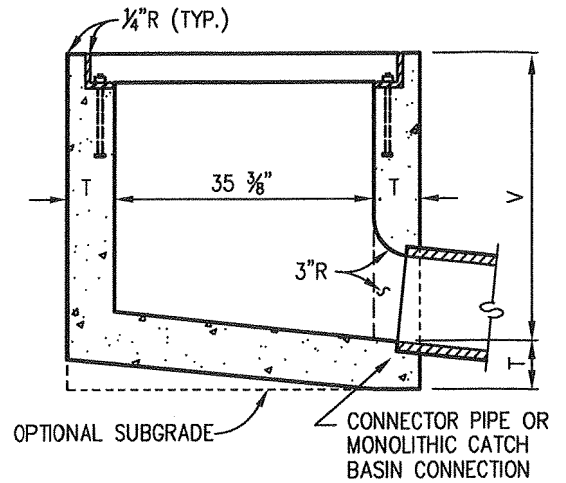
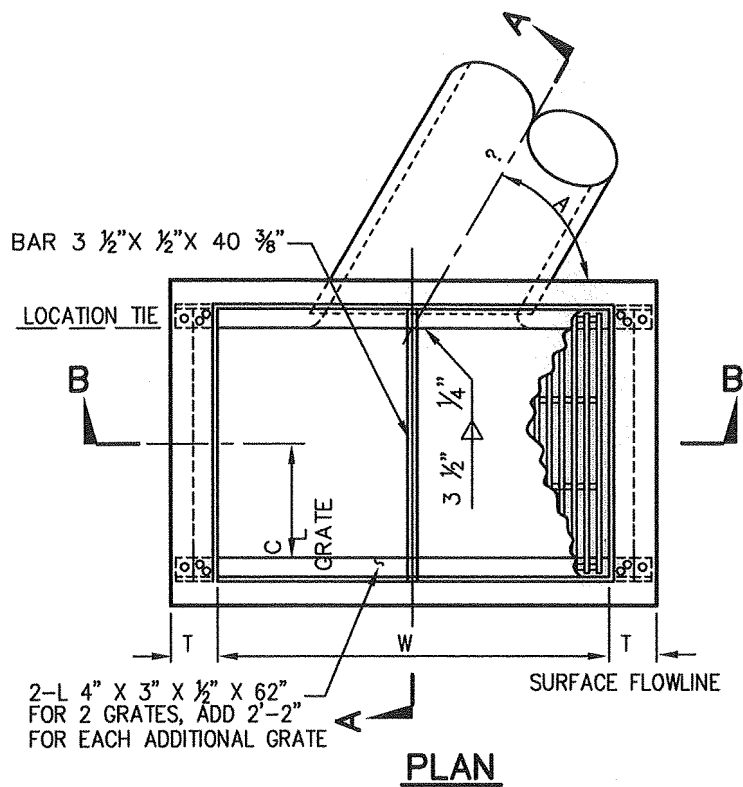
REV.	APPR. BY	DATE

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	L. Balderrama	08/02/11

	GRATED CATCH BASIN-ALLEY (LONGITUDINAL)		STANDARD PLAN 2002
	DRAWN: STAFF	CKD.: PAUL WENDT	APPR.  L. Balderrama, PE, City Engineer	PLATE 504
Department of Public Works			SHEET 2 OF 2

REV.	APPR.	BY	DATE

REV.	APPR.	BY	DATE



STRUCTURAL DATA			
WALL AND SLAB DIMENSIONS AND REINFORCEMENT REQUIREMENTS			
NO. OF GRATES	MAX. V	T	REINFORCEMENT FOR WALLS AND SLABS
2-3	4'	6"	NOT REQUIRED
2-3	8'	8"	
2-3	10'	10"	
2-3	12'	10"	REQUIRED
4-6	4'	6"	NOT REQUIRED
4-6	7'	8"	
4-6	8'	8"	
4-6	12'	10"	REQUIRED
7-9	4'	6"	NOT REQUIRED
7-9	6'	8"	
7-9	8'	8"	
7-9	12'	10"	REQUIRED
>9	4'	6"	
>9	8'	8"	
>9	12'	10"	

	CITY OF		GRATED CATCH BASIN-ALLEY (TRANSVERSE)		STANDARD PLAN 2002
	DRAWN: STAFF		CKD.: PAUL WENDT		PLATE 505
Department of Public Works		APPR.		L. Balderrama, PE, City Engineer	SHEET 1 OF 2

NOTES:

1. ALL CURVED CONCRETE SURFACES SHALL BE FORMED BY CURVED FORMS, AND SHALL NOT BE SHAPED BY PLASTERING.
2. FLOOR OF BASIN SHALL BE GIVEN A STEEL TROWEL FINISH AND SHALL HAVE A LONGITUDINAL AND LATERAL SLOPE OF 1:12 MINIMUM AND 1:3 MAXIMUM. SLOPE FLOOR FROM ALL DIRECTIONS TO THE OUTLET.
3. DIMENSIONS:
 $V = 3'-6"$ UNLESS NOTED ON PROJECT PLANS.
 $V_1 =$ THE DEPTH AT THE INVERT OF THE INLET. NOTED ON PLANS.
 $W = 4'-3 \frac{1}{2}"$ FOR TWO GRATINGS; ADD $2'-2"$ FOR EACH ADDITIONAL GRATING.
 $A =$ THE ANGLE, IN DEGREES, INTERCEPTED BY THE CENTERLINE OF THE CONNECTOR PIPE AND THE CATCH BASIN WALL TO WHICH THE CONNECTOR PIPE IS ATTACHED.
4. PLACE CONNECTOR PIPES AS INDICATED ON THE PROJECT PLANS. UNLESS OTHERWISE SPECIFIED, THE CONNECTOR PIPE SHALL BE LOCATED AT THE DOWNSTREAM END OF THE BASIN. WHERE THE CONNECTOR PIPE IS SHOWN AT A CORNER, THE CENTERLINE OF THE PIPE SHALL INTERSECT THE INSIDE CORNER OF THE BASIN. THE PIPE MAY BE CUT AND TRIMMED AT A SKEW NECESSARY TO INSURE MINIMUM 3" PIPE EMBEDMENT, ALL AROUND, WITHIN THE CATCH BASIN WALL, AND 3" RADIUS OF ROUNDING OF STRUCTURE CONCRETE, ALL AROUND, ADJACENT TO PIPE ENDS. A MONOLITHIC CATCH BASIN CONNECTION SHALL BE USED TO JOIN THE CONNECTOR PIPE TO THE CATCH BASIN WHENEVER ANGLE "A" IS LESS THAN 70 DEGREES OR GREATER THAN 110 DEGREES, OR WHENEVER THE CONNECTOR PIPE IS LOCATED IN A CORNER. THE OPTIONAL USE OF A MONOLITHIC CATCH BASIN CONNECTION IN ANY CASE IS PERMITTED. MONOLITHIC CATCH BASIN CONNECTIONS MAY BE CONSTRUCTED TO AVOID CUTTING STANDARD LENGTHS OF PIPE.
- △ 5. ALL CATCH BASINS SHALL INCLUDE INSTALLATION OF A PLACARD STATING "NO DUMPING - DRAINS TO OCEAN" (or WETLANDS or WATERWAYS as applicable). PLACARD SHALL BE PLACED ON THE TOP OF CURB ON THE LEFT SIDE OF THE OPENING ORIENTED SO READABLE FROM THE SIDEWALK. PLACARDS ARE AVAILABLE FROM STORMWATER QUALITY PROGRAM.
6. THE FOLLOWING STANDARD PLANS ARE INCORPORATED HERIN:
 508 MONOLITHIC CATCH BASIN CONNECTION
 507 CATCH BASIN REINFORCEMENT
 511 FRAME AND GRATING FOR CATCH BASINS
7. TWO GRATINGS ARE REQUIRED UNLESS SHOWN ON THE PROJECT PLANS.

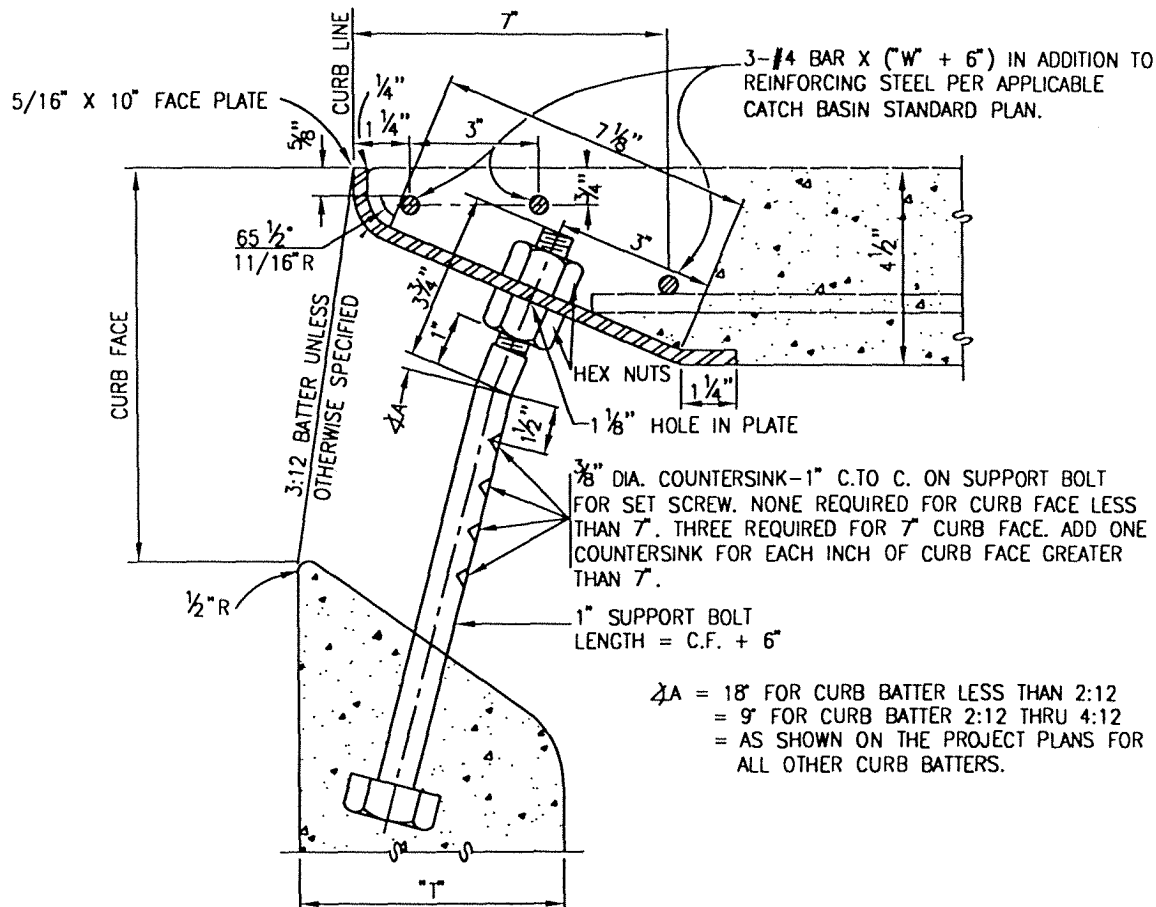
REV.	APPR. BY	DATE

REV.	APPR. BY	DATE
△	L. Balderrama	08/02/11

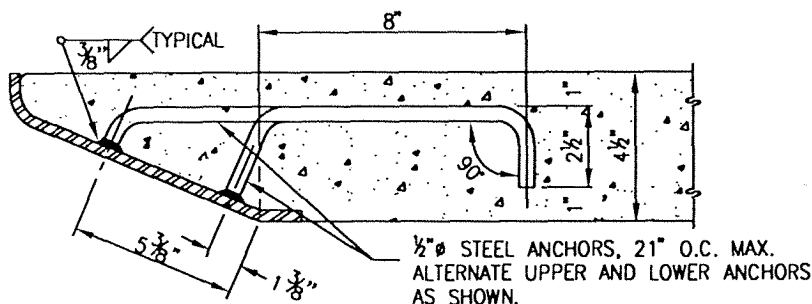
	CITY OF		GRATED CATCH BASIN-ALLEY (TRANSVERSE)		STANDARD PLAN 2002
	DRAWN: STAFF		CKD.: PAUL WENDT		PLATE 505
Department of Public Works		APPR. 		L. Balderrama, PE, City Engineer	SHEET 2 OF 2

REV.	APPR. BY	DATE

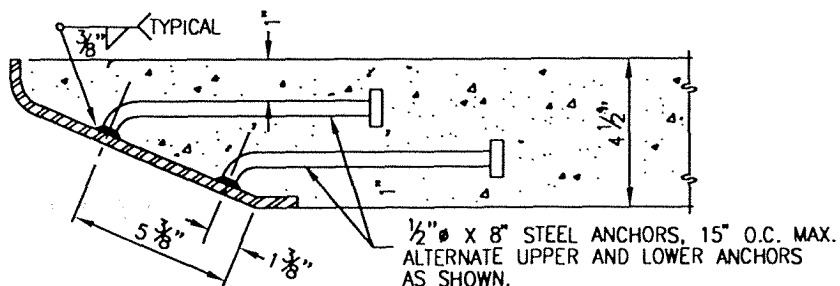
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SECTION



HOOK ANCHOR - 4 1/2" TOP SLAB



ROUND-HEAD ANCHOR - 4 1/2" TOP SLAB



CITY OF

DETAIL OF CATCH BASIN OPENING

DRAWN: STAFF

CKD.: STAFF *LB*

Department of Public Works

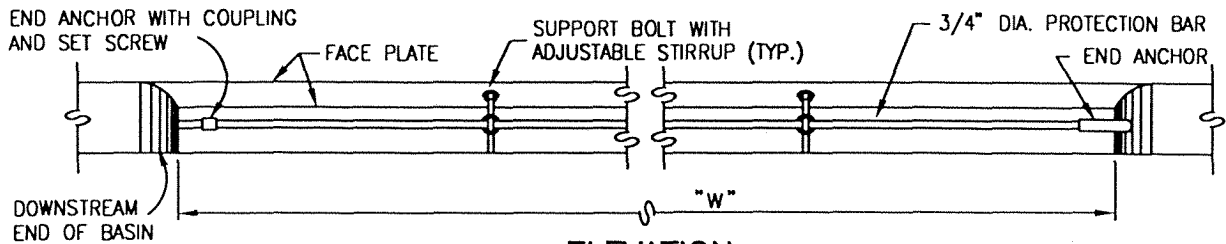
APPR.

Granville M. Bowman
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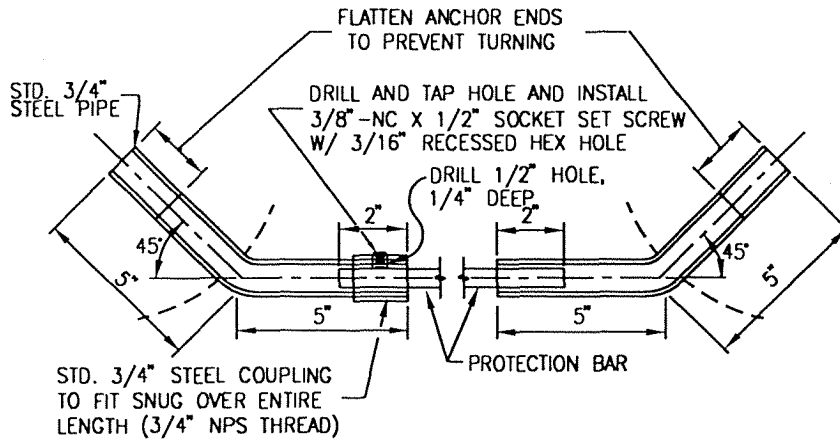
STANDARD PLAN
2002

PLATE 506

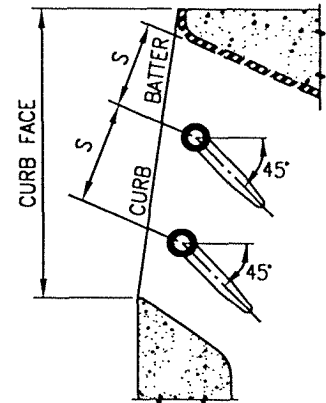
SHEET 1 OF 3



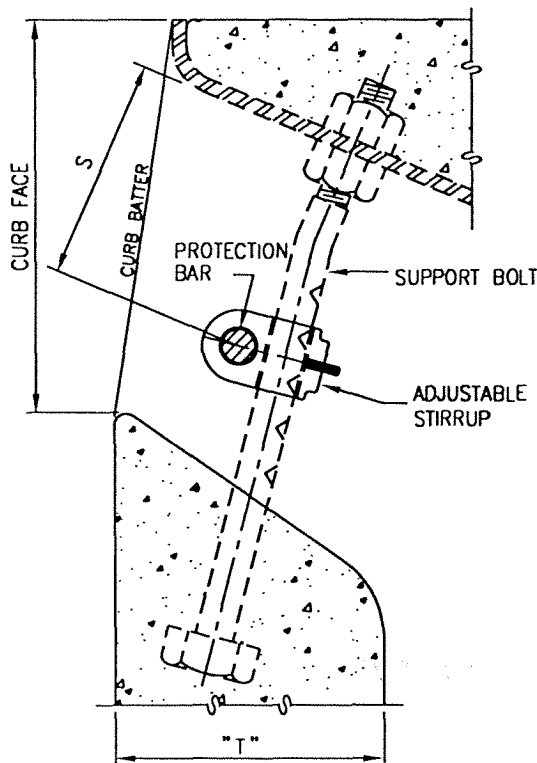
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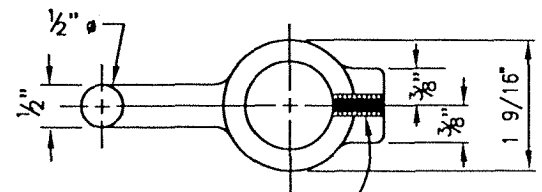
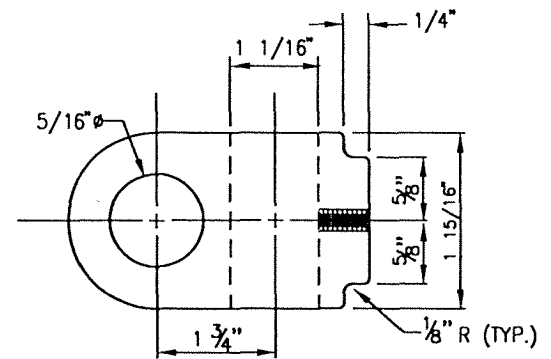
END ANCHOR DETAIL



DOUBLE PROTECTION BAR DETAIL



PROTECTION BAR AND STIRRUP LOCATION



DRILL AND TAP HOLE AND INSTALL 3/8"-NC X 1/2" SOCKET SET SCREW WITH 3/16" RECESSED HEX HOLE

STIRRUP DETAIL



DETAIL OF CATCH BASIN OPENING

DRAWN: STAFF CKD.: STAFF *CB*

Department of Public Works

APPR. *Granville M. Bowman*

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STANDARD PLAN 2002

PLATE 506

SHEET 2 OF 3

NOTES:

GENERAL

1. ALL PARTS SHALL BE STEEL EXCEPT THE SET SCREWS, WHICH SHALL BE STAINLESS STEEL OR BRASS.
2. EXCLUDING SET SCREWS, ALL EXPOSED METAL PARTS SHALL BE GALVANIZED AFTER FABRICATION.
3. THE CURB FACE SHALL BE NOTED ON THE PROJECT PLANS.
4. THE CURB BATTER SHALL BE 3:12 UNLESS OTHERWISE NOTED ON THE PROJECT PLANS.

FACE PLATE

5. FACE PLATE LENGTHS SHALL BE CATCH BASIN "W" PLUS 12 INCHES.
6. WHEN THE LENGTH OF THE FACE PLATE IS BETWEEN 22 FT. AND 43 FT., 2 SECTIONS MAY BE USED. WHEN THE LENGTH EXCEEDS 43 FT., 3 SECTIONS MAY BE USED. SECTIONS SHALL BE BUTT WELDED TOGETHER IN THE FIELD, THOROUGHLY CLEANED, PRIMED, AND TWO COATS OF ALUMINUM PAINT APPLIED. ALL OTHER WELDING SHALL BE DONE BEFORE GALVANIZING.
7. WHERE CATCH BASINS ARE TO BE CONSTRUCTED ON CURVES, THE MAXIMUM CHORD LENGTH FOR THE FACE PLATE SHALL BE SUCH THAT THE MAXIMUM PERPENDICULAR DISTANCE TO THE TRUE CURVE SHALL NOT EXCEED ONE INCH. WHERE MORE THAN ONE CHORD IS REQUIRED, CHORD LENGTHS SHALL BE EQUAL. CHORD SECTIONS SHALL BE BUTT WELDED TOGETHER.
8. ROUND HEAD ANCHORS FOR THE FACE PLATE SHALL BE NELSON H-4F SHEAR CONNECTOR, KSN WELDING SYSTEMS DIVISION SHEAR CONNECTOR, OR EQUAL.

SUPPORT BOLT

9. SUPPORT BOLTS ARE REQUIRED WHEN THE LENGTH OF THE CATCH BASIN OPENING IS 7 FT. OR GREATER, AND SHALL BE EVENLY SPACED ACROSS THE OPENING. SPACING SHALL NOT BE LESS THAN 3 FT. 6 INCHES ON CENTER, NOR GREATER THAN 5 FT. ON CENTER.

STIRRUP

10. THE MATERIAL SHALL BE CAST STEEL.

PROTECTION BAR

11. ALL BARS SHALL BE $\frac{3}{4}$ INCH GALVANIZED, HOT-ROLLED STEEL PER A.S.T.M. DESIGNATION A-36. BAR LENGTHS SHALL NOT EXCEED 21 FT., AND SHALL BE CUT TO FIT IN THE FIELD. WHEN "W" IS OVER 21 FT., THE PROTECTION BAR SHALL CONSIST OF TWO OR MORE SECTIONS DEPENDING ON THE LENGTH OF THE BASIN. THE LOCATION OF SPECIAL SUPPORT BARS AND ADDITIONAL BRASS SOCKET SET SCREW SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
12. A SPECIAL CONNECTOR BETWEEN THE PROTECTION BARS SHALL CONSIST OF A 5 INCH LENGTH OF STANDARD $\frac{3}{4}$ INCH PIPE WITH STANDARD COUPLINGS FULLY THREADED ONTO EACH END, DRILLED AND TAPPED FOR A SOCKET SET SCREW AS DETAILED FOR THE DOWNSTREAM END ANCHOR.
13. NUMBER OF PROTECTION BARS AND LOCATION(S) ARE AS FOLLOWS:

		MAXIMUM CURB FACE													"S" DIMENSION	
		0"-6"	7"	8"	9"	10"	11"	12"	13"	14"	15"	16"	17"	18"		
CURB BATTER	0:12	0	0	3.5"	3.5"	3.5"	4.5"	4.5"	5.5"	3.5"	3.5"	4.5"	4.5"	4.5"		
	1:12	0	0	3.5"	3.5"	3.5"	4.5"	4.5"	5.5"	3.5"	3.5"	4.5"	4.5"	5.5"		
	2:12	0	0	3.5"	3.5"	4.5"	4.5"	5.5"	3.5"	3.5"	4.5"	4.5"	5.5"	5.5"		
	3:12	0	0	3.5"	3.5"	4.5"	4.5"	5.5"	3.5"	4.5"	4.5"	5.5"	5.5"	4.5"		
	4:12	0	3.5"	3.5"	4.5"	4.5"	5.5"	3.5"	3.5"	4.5"	4.5"	5.5"	4.5"	4.5"		
		0	1				2				3					
NUMBER OF PROTECTION BARS																

FOR OTHER CURB FACE OR BATTER, SEE PROJECT PLANS.



CITY OF

DETAIL OF CATCH BASIN OPENING

STANDARD PLAN
2002

DRAWN: STAFF

CKD.: STAFF *LB*

Department of Public Works

APPR.

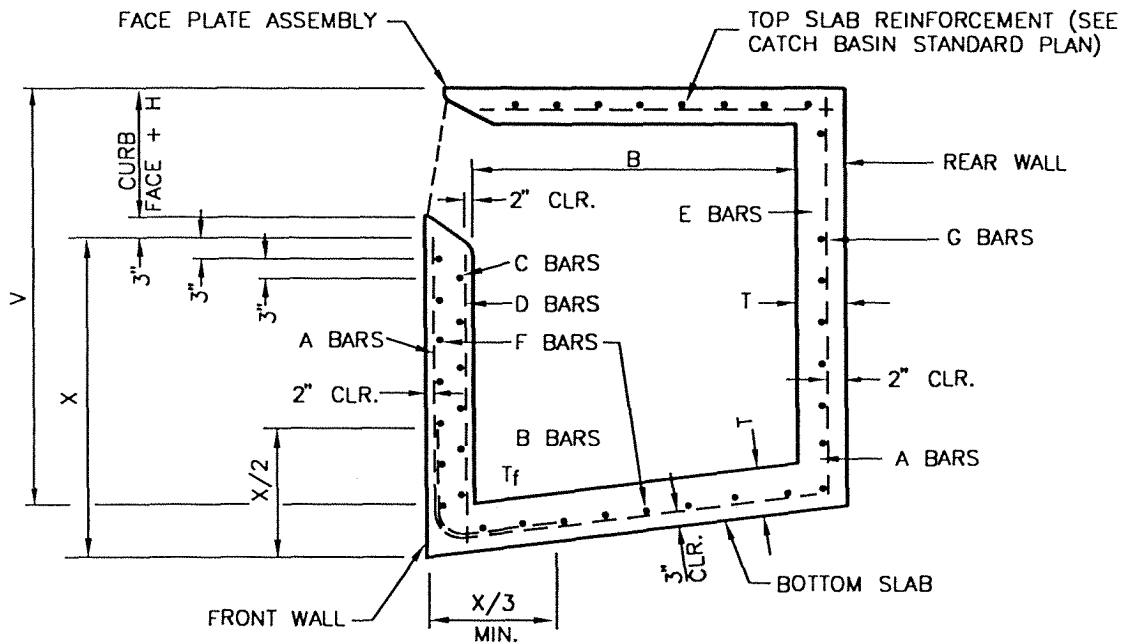
Gronville M. Bowman
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PLATE 506

SHEET 3 OF 3

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REV.	APPR. BY	DATE



TYPICAL REINFORCEMENT DETAILS

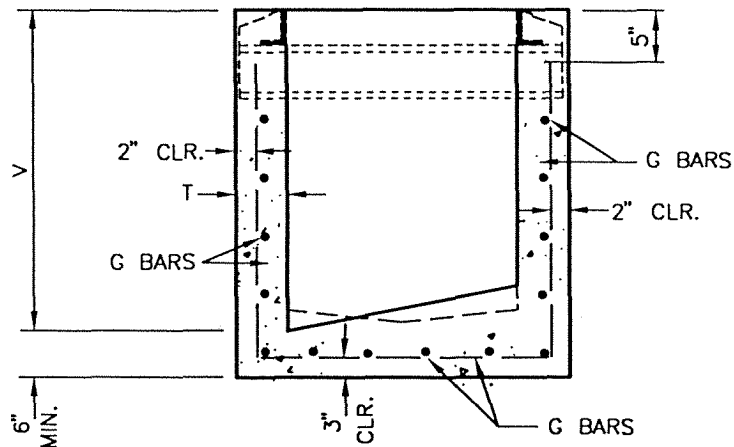
CURB OPENING CATCH BASIN REINFORCEMENT									
MAX. W	MAX. V	T	T _f	A & B BARS	C BARS	D BARS	E BARS	F BARS	G BARS
3.5'	8'	6"	6"						
3.5'	12'	8"	8"						
7'	6'	6"	6"						
7'	12'	8"	8"						
14'	4'	6"	6"		#4 @ 12"	#4 @ 18"			
14'	8'	6"	8"		#4 @ 12"	#4 @ 18"			
14'	12'	8"	10"		#4 @ 6"	#4 @ 18"			
28'	4'	6"	6"	#4 @ 24"				#4 @ 18"	
28'	5'	6"	8"	#4 @ 24"				#4 @ 18"	
28'	6'	6"	8"	#4 @ 18"				#4 @ 18"	
28'	7'	8"	8"	#4 @ 17"				#4 @ 18"	
28'	8'	8"	8"	#4 @ 13"				#4 @ 18"	
28'	9'	8"	10"	#4 @ 15"				#4 @ 18"	
28'	10'	8"	10"	#4 @ 12"				#4 @ 18"	
28'	11'	8"	10"	#5 @ 15"			#4 @ 10"	#4 @ 18"	#4 @ 18"
28"	12'	8"	10"	#6 @ 18"			#4 @ 9"	#4 @ 18"	#4 @ 18"

FOR W > 28' OR B > 4' SEE PROJECT PLANS

	CITY OF		CATCH BASIN REINFORCEMENT		STANDARD PLAN 2002
	DRAWN: STAFF		CKD.: STAFF <i>LB</i>		PLATE 507
	Department of Public Works		APPR. <i>Granville M. Bowman</i> Granville M. Bowman		SHEET 1 OF 2

REV.	APPR. BY	DATE

REV.	APPR. BY	DATE



TYPICAL REINFORCEMENT DETAILS

V	T	SIDE AND END WALL STEEL
MAX.		G BARS
4'	6"	#4 @ 10"
8'	8"	#4 @ 6"
12'	10"	#5 @ 6"
FOR V > 12' SEE PROJECT PLANS		

GRATING CATCH BASIN REINFORCEMENT

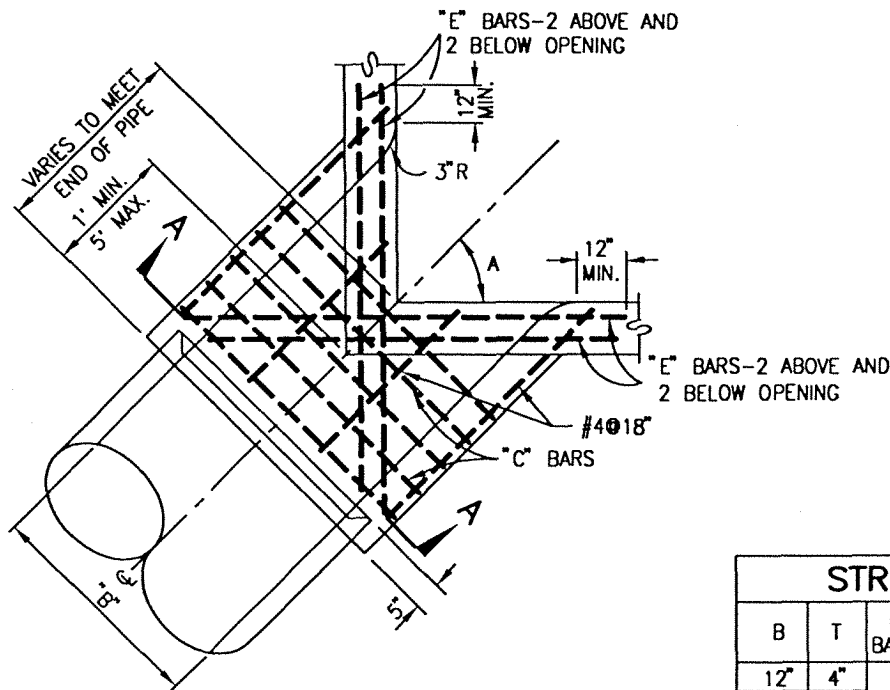
NOTES:

1. UNLESS OTHERWISE SPECIFIED, REINFORCEMENT FOR CURB OPENING AND GRATING CATCH BASINS SHALL TERMINATE 2" FROM FACE OF CONCRETE.

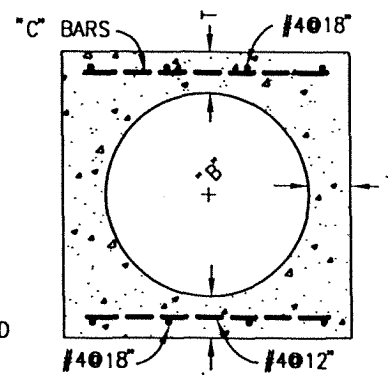
	CATCH BASIN REINFORCEMENT		STANDARD PLAN 2002
	DRAWN: STAFF	CKD.: STAFF <i>LB</i>	APPR. <i>Granville M. Bowman</i> Granville M. Bowman
Department of Public Works			SHEET 2 OF 2

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REV.	APPR. BY	DATE



**PLAN
CORNER CONNECTION**

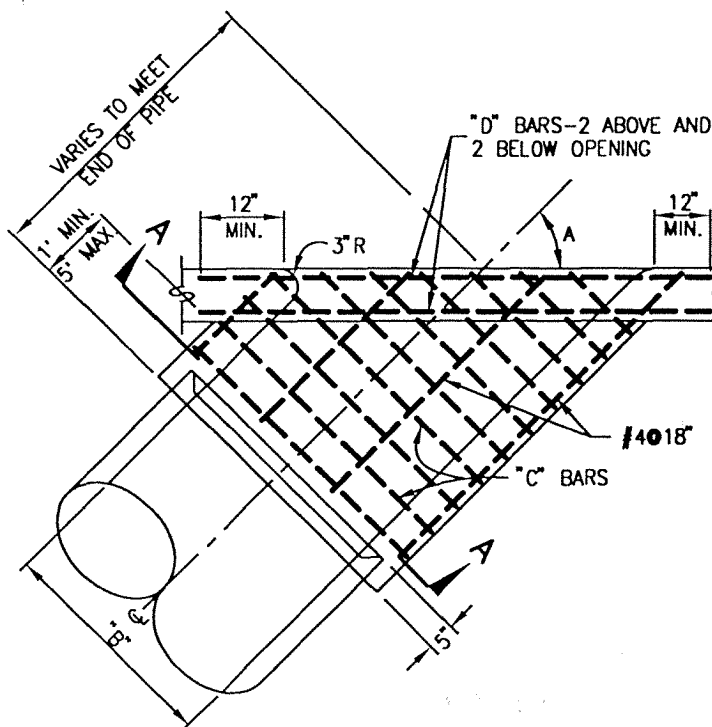


SECTION A-A

STRUCTURAL DATA

B	T	C BARS	D&E BARS	B	T	C BARS	D&E BARS
12"	4"	#4 @ 6"	#5	42"	7½"	#5 @ 6"	#6
15"	4¼"			45"	7¾"		
18"	4½"			48"	8"		
21"	5"			51"	8½"		
24"	5¼"			54"	9"		
27"	5½"			57"	9¼"		
30"	6"			60"	9½"		
33"	6¼"			63"	10"		
36"	6½"			66"	10¼"		
39"	7"			69"	10¾"		
				72"	11"		

FOR "B" GREATER THAN 72", SEE PROJECT PLAN



**PLAN
SIDE CONNECTION**

NOTES:

1. REINFORCING STEEL SHALL BE 1½" CLEAR FROM FACE OF CONCRETE UNLESS OTHERWISE SHOWN.
2. REINFORCING STEEL FOR INSIDE FACE OF CATCH BASIN WALL SHALL BE CUT AT CENTER OF OPENING AND BENT INTO WALLS OF MONOLITHIC CONNECTION. REINFORCING STEEL FOR OUTSIDE FACE OF CATCH BASIN WALL SHALL BE CUT 2" CLEAR OF OPENING.
3. CONNECTION SHALL BE POURED MONOLITHIC WITH CATCH BASIN. THE ROUNDED EDGE OF OUTLET SHALL BE CONSTRUCTED BY POURING CONCRETE AGAINST A CURVED FORM WITH A RADIUS OF 3".
4. FLOOR OF STRUCTURE SHALL BE STEEL-TROWELED TO SPRING LINE.
5. CONNECTIONS SHALL BE CONSTRUCTED WHEN:
 - (A) PIPE INLET OR OUTLET IS THROUGH CORNER OF CATCH BASIN.
 - (B) ANGLE A, FOR PIPES UP TO 30" IN DIA., IS LESS THAN 70° OR GREATER THAN 110°.

CITY OF
Oxnard

MONOLITHIC CATCH BASIN CONNECTION

DRAWN: STAFF CKD.: STAFF *LB*
Department of Public Works

APPR. *Granville M. Bowman*
Granville M. Bowman

STANDARD PLAN
2002

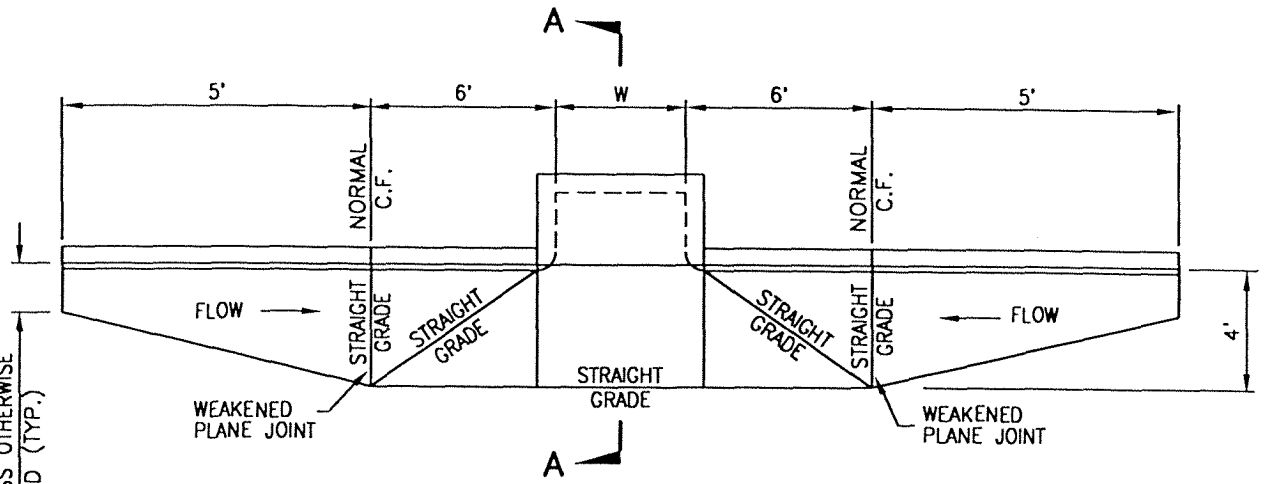
PLATE 508

SHEET 1 OF 1

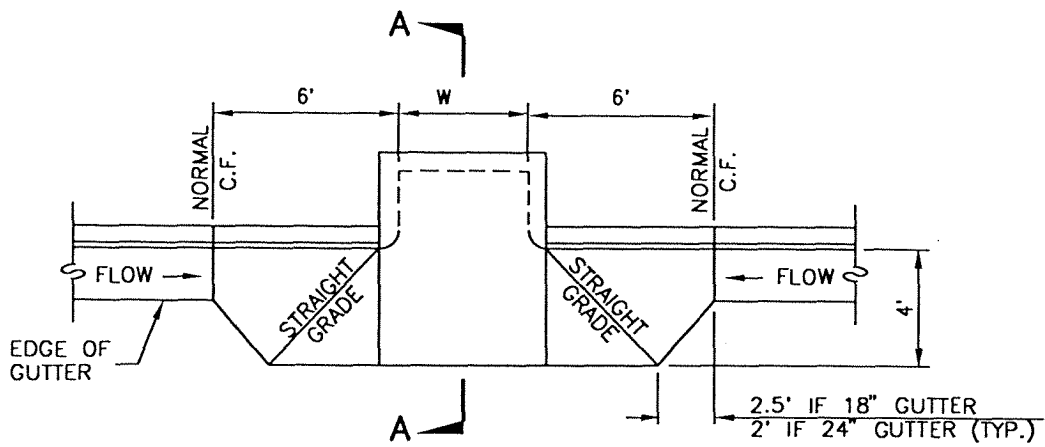
REV.	APPR. BY	DATE

REV.	APPR. BY	DATE

18" UNLESS OTHERWISE SPECIFIED (TYP.)

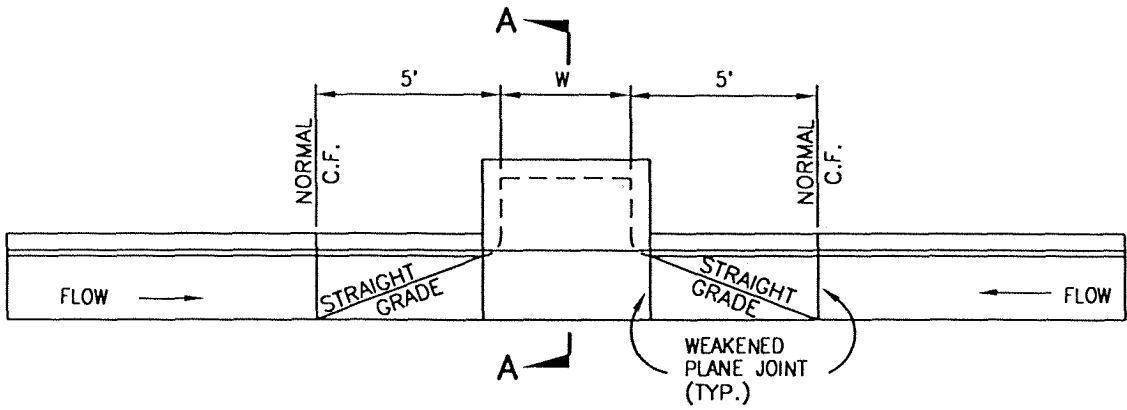


PLAN - CASE A



PLAN - CASE B

SEE NOTE 3



PLAN - CASE C

SEE NOTE 4



CITY OF

LOCAL DEPRESSION FOR
SIDE OPENING CATCH BASIN

DRAWN: STAFF

CKD.: STAFF

Department of Public Works

APPR.

Granville M. Bowman

STANDARD PLAN
2002

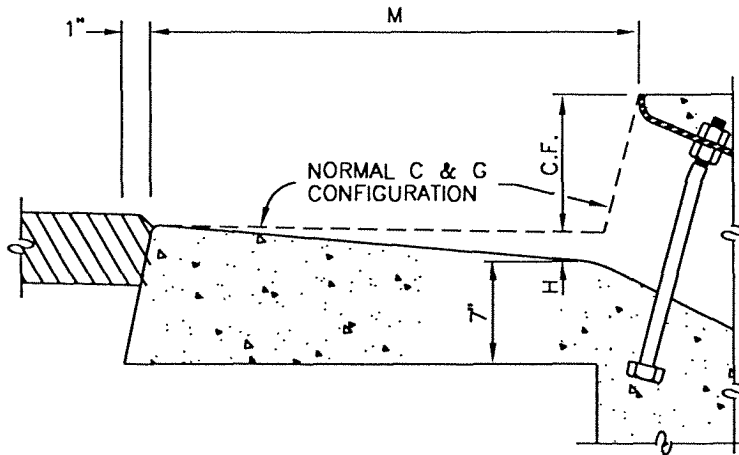
PLATE 509

SHEET 1 OF 2

NOTES:

1. $H = 2"$ FOR CASES A & B, $H=1"$ FOR CASE C UNLESS SPECIFIED OTHERWISE
2. $F'c = 3000$ PSI AT 28 DAYS. "C" GRADATION
3. CASE B WILL BE USED ONLY WHEN THE AGENCY HAS APPROVED THE USE FOR SPECIAL CIRCUMSTANCES.
4. USE CASE C IF FLOW FROM EACH DIRECTION IS LESS THAN 1CFS

$M = 4'$ FOR CASES A & B
 $=$ GUTTER WIDTH FOR CASE C



SECTION A-A



CITY OF

LOCAL DEPRESSION FOR SIDE OPENING CATCH BASIN

STANDARD PLAN
 2002

PLATE 509

DRAWN: STAFF

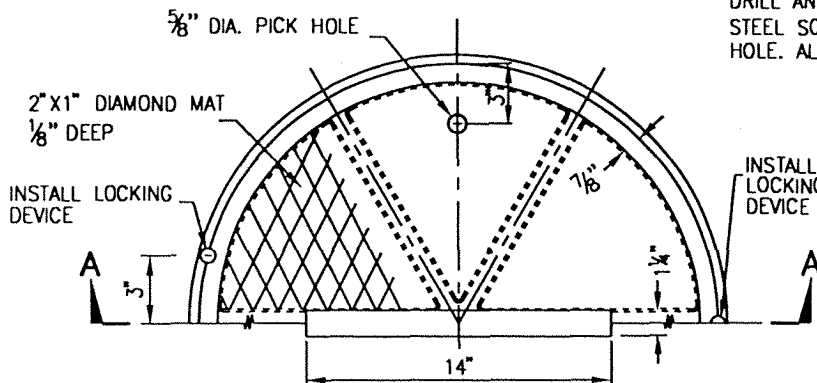
CKD.: STAFF *LB*

Department of Public Works

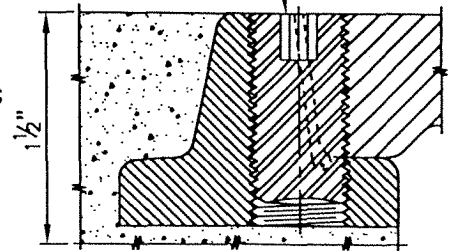
APPR.

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SHEET 2 OF 2

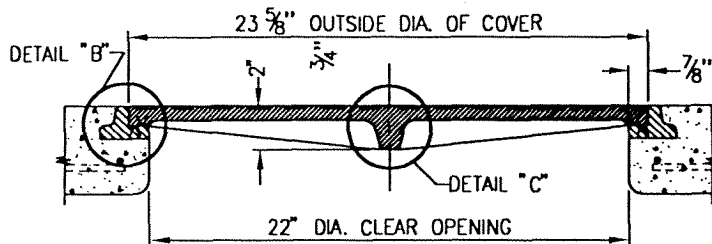


DRILL AND TAP HOLE; INSTALL $\frac{3}{4}$ " x $\frac{1}{4}$ " STAINLESS STEEL SOCKET SET SCREW WITH $\frac{5}{8}$ " RECESSED HEX HOLE. ALL THREADS TO BE N.C.

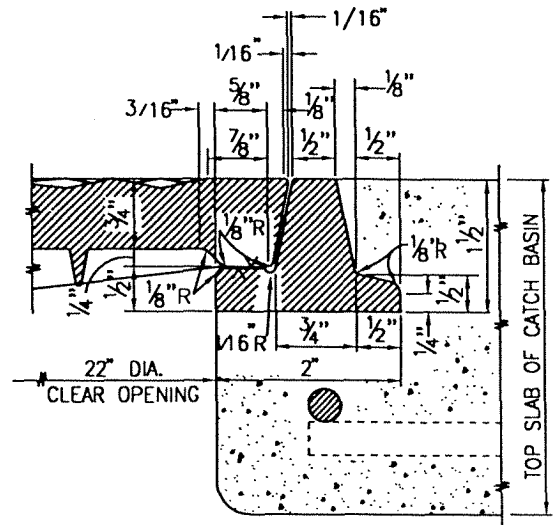


LOCKING DEVICE

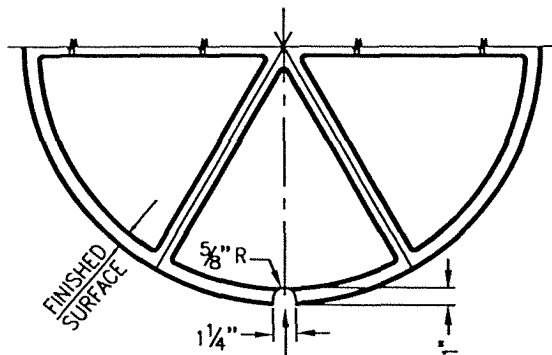
AGENCY DESIGNATED INSCRIPTION. ALL LETTERS 1" HIGH. NO OTHER INSCRIPTION TO APPEAR ON EXPOSED SURFACES.



SECTION A-A

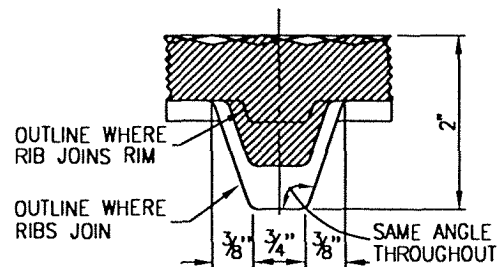


DETAIL "B"



GAP IN RIM OF COVER OPPOSITE PICK HOLE

BOTTOM OF MANHOLE COVER



DETAIL "C"

NOTES:

1. THE CAST IRON USED SHALL CONFORM WITH ASTM A-48M CLASS 35B.
2. THE FRAME AND COVER SHALL BE COATED WITH ASPHALTUM OR BITUMINOUS PAINT AFTER TESTING AND INSPECTION.
3. FOUNDRY IDENTIFYING MARK, HEAT AND DATE SHALL BE CAST ON THE BOTTOM OF THE COVER AND ON THE INSIDE OF THE FRAME.
4. IMPORTED COVERS AND FRAMES SHALL HAVE THE COUNTRY OF ORIGIN MARKING IN COMPLIANCE WITH FEDERAL REGULATIONS.
5. WEIGHT OF FRAME SHALL BE 30 LBS.. WEIGHT OF COVER SHALL BE 85 LBS. ACTUAL WEIGHTS SHALL BE WITHIN A RANGE OF 95% TO 110%.



CITY OF

CATCH BASIN MANHOLE FRAME AND COVER

DRAWN: STAFF

CKD.: STAFF LB

Department of Public Works

APPR.

Granville M. Bowman

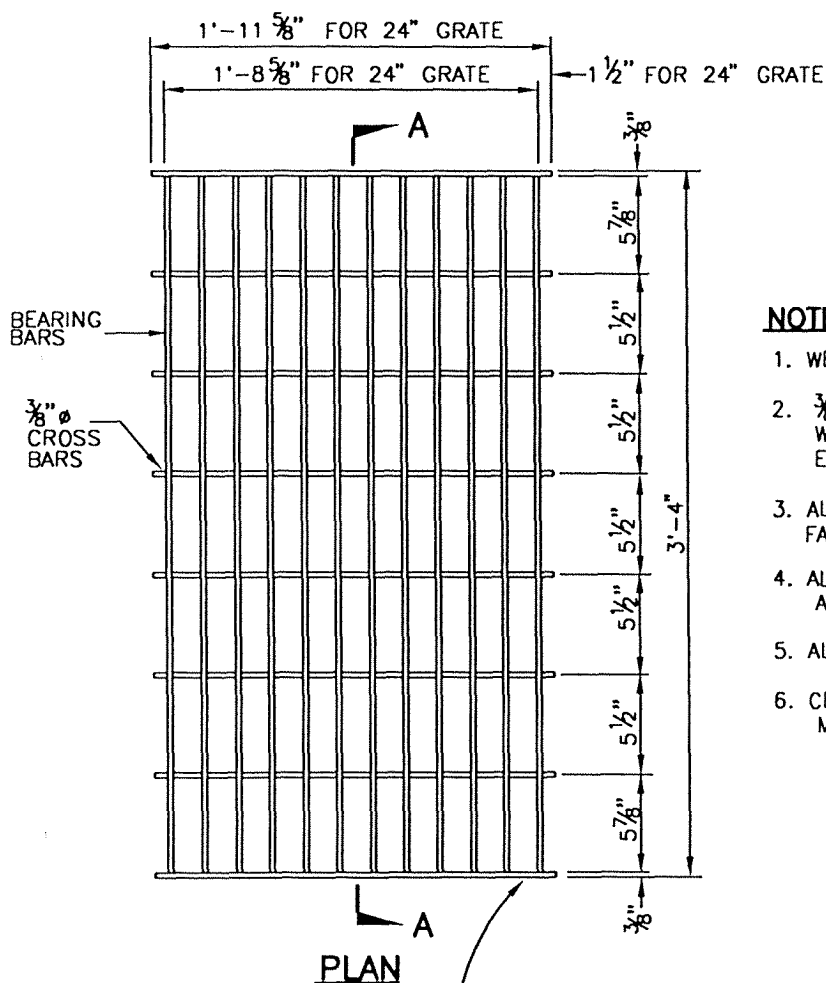
STANDARD PLAN
2002

PLATE 510

SHEET 1 OF 1

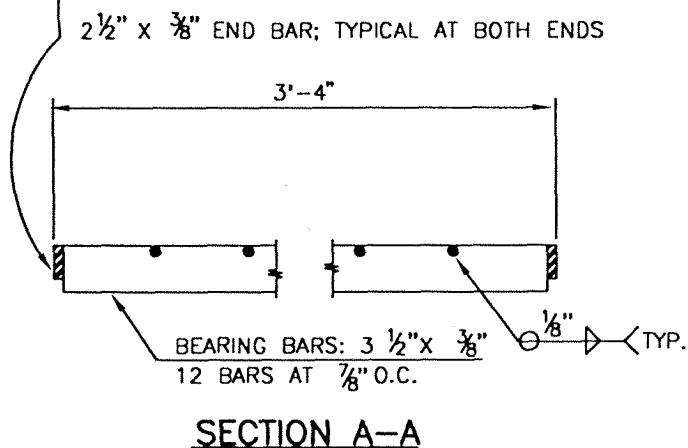
REV.	APPR.	BY	DATE

REV.	APPR.	BY	DATE



NOTES:

1. WEIGHT OF 24" GRATE = 192 LBS.
2. 3/8" ϕ CROSS BARS MAY BE FILLET WELDED, RESISTANCE WELDED, OR ELECTRO-FORGED TO BEARING BARS.
3. ALL PARTS ARE TO BE GALVANIZED AFTER FABRICATION.
4. ALL DIMENSIONS ARE FINISHED DIMENSIONS, AND INCLUDE GALVANIZING.
5. ALL THREADS SHALL BE NATIONAL COARSE.
6. CENTER SUPPORT ASSEMBLY REQUIRED WHEN MORE THAN ONE GRATE IS CALLED FOR.

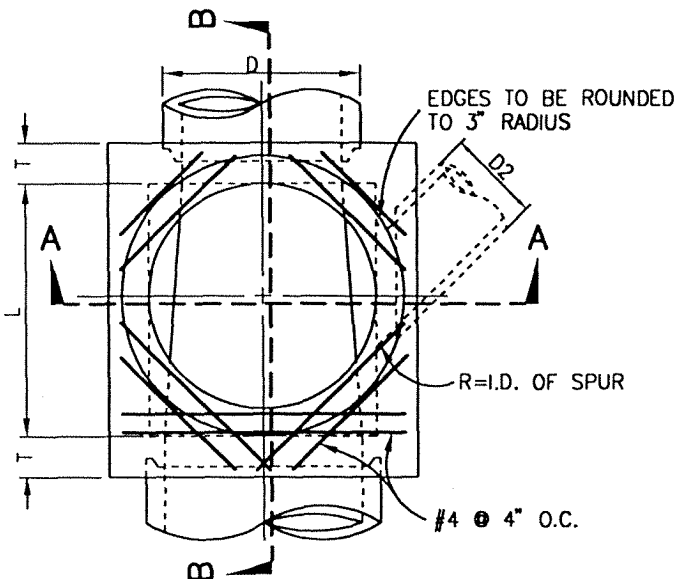


ATTENTION: PREFER CURB OPENING C.B., NO C.B. WITH GRATES IS PERMITTED WITHOUT PRIOR APPROVAL.

	CITY OF		BICYCLE PROOF GRATE DETAILS		STANDARD PLAN 2002
	DRAWN: STAFF	CKD.: STAFF			PLATE 511
Department of Public Works			APPR.	Granville M. Bowman	SHEET 1 OF 1

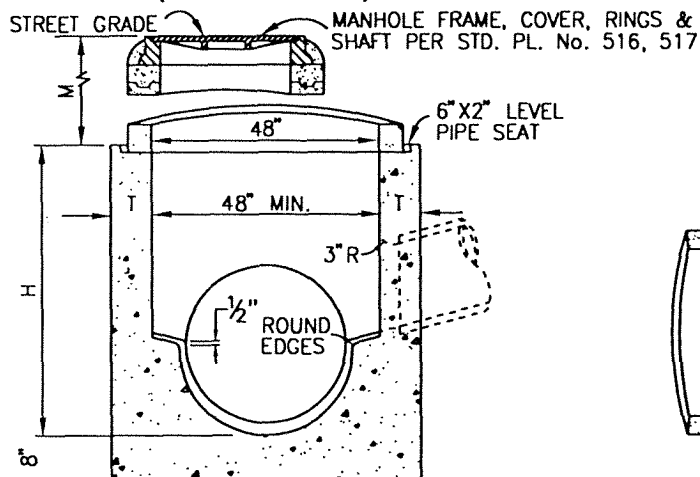
REV.	APPR.	BY	DATE

REV.	APPR.	BY	DATE

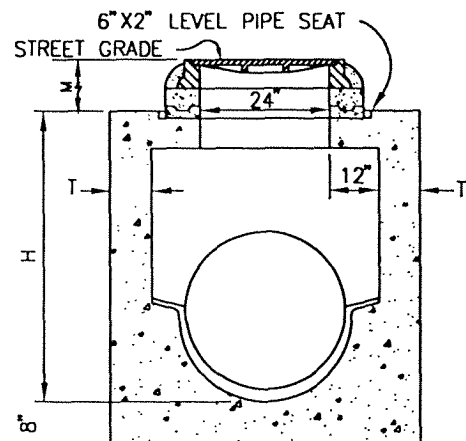


PLAN

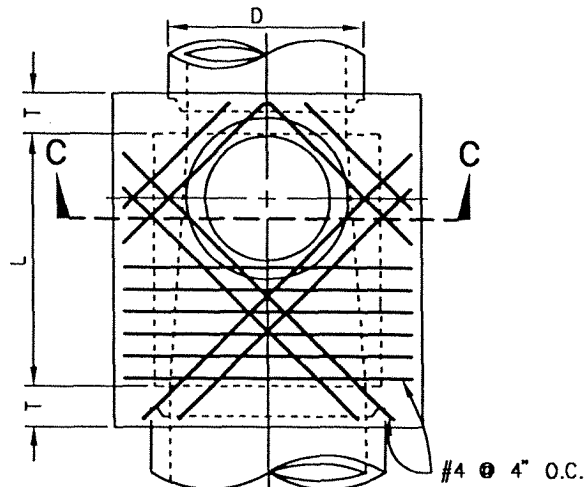
(SHAFT NOT SHOWN)



SECTION A-A



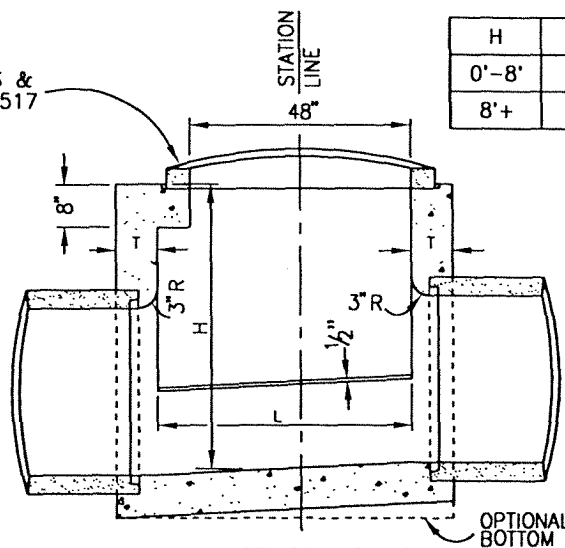
SECTION C-C



DETAIL N PLAN

(SHAFT NOT SHOWN)
SEE NOTE 3

H	T
0'-8"	8"
8'+	10"

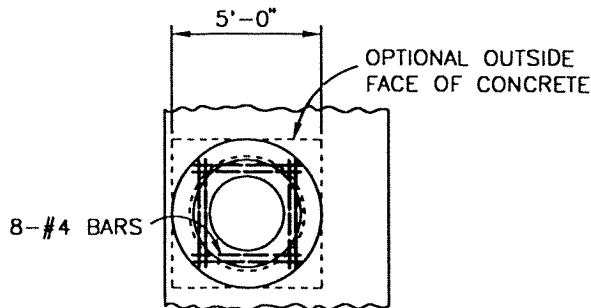


SECTION B-B

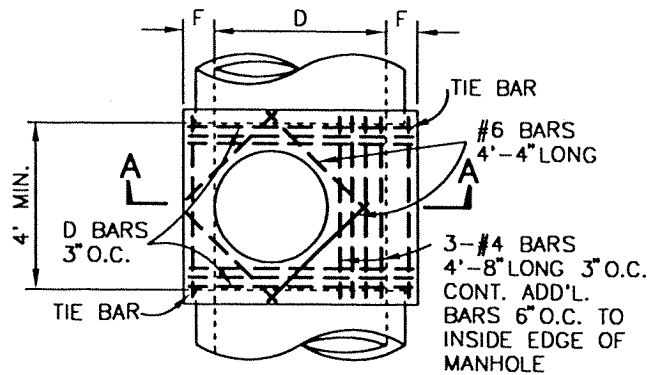
NOTES:

1. HEIGHT H (IN SEC. A-A, B-B, AND C-C) SHALL NOT BE LESS THAN 4'-0", BUT MAY BE INCREASED PROVIDED THAT THE VALUE OF M IS NOT LESS THAN THE MINIMUM SPECIFIED, AND THE REDUCER IS USED. FOR H (IN SEC. C-C) SEE NOTE 4.
2. LENGTH L SHALL BE 4 FEET UNLESS OTHERWISE SHOWN ON THE PLAN. L MAY BE INCREASED OR THE LOCATION OF THE MANHOLE SHIFTED TO MEET THE PIPE ENDS.
3. MANHOLE SHAFT SHALL BE CONSTRUCTED PER SEC. C-C AND DETAIL N WHEN DEPTH M, FROM FINISHED GRADE TO TOP OF BOX, IS LESS THAN 36".
4. DEPTH M MAY BE REDUCED TO AN ABSOLUTE MINIMUM OF 6" WHEN LARGER VALUES OF M WOULD REDUCE H (IN SEC. C-C) TO 3'-6" OR LESS.
5. CRADLE OF MANHOLE SHALL BE POURED IN ONE CONTINUOUS OPERATION EXCEPT THAT A CONSTRUCTION JOINT WITH A LONGITUDINAL KEYWAY MAY BE PLACED AT THE SPRING LINE.

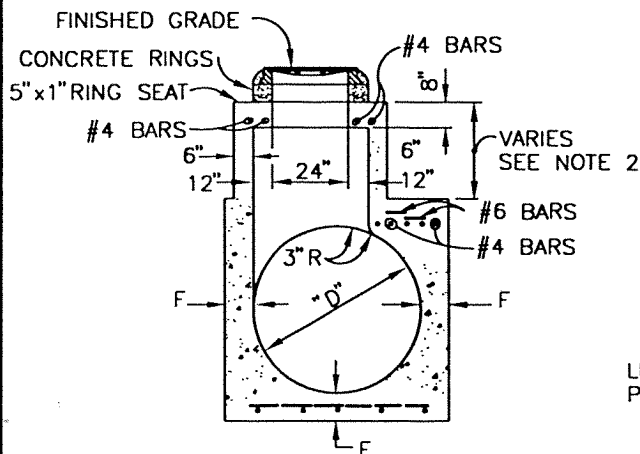
	MANHOLE NO. 1 (MAIN LINE 42" OR SMALLER)		STANDARD PLAN 2002
	DRAWN: STAFF	CKD.: STAFF <i>B</i>	APPR. <i>Granville M. Bowmon</i> Granville M. Bowmon	PLATE 513
Department of Public Works			SHEET 1 OF 1



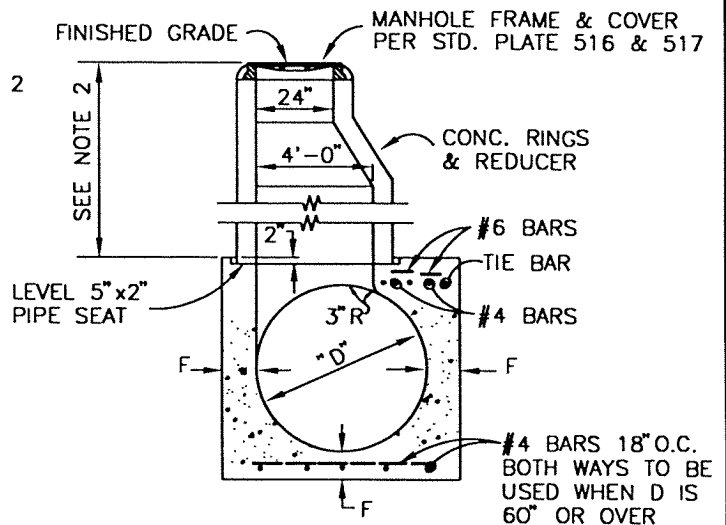
PLAN
(RINGS AND COVER NOT SHOWN)



PLAN
(SHAFT NOT SHOWN)



DETAIL M
(SEE NOTE 2)



SECTION A-A

NOTES:

1. D BARS SHALL BE #5 FOR D=48" TO 84" INCLUSIVE AND #6 FOR D=90" OR OVER. TIE BARS SHALL BE #3 BARS.
2. DETAIL M: WHEN DEPTH OF MANHOLE FROM FINISHED GRADE TO TOP OF BOX IS LESS THAN 36" CONSTRUCT MONOLITHIC SHAFT AS PER DETAIL M. SHAFT FOR ANY DEPTH OF MANHOLE MAYBE CONSTRUCTED AS PER DETAIL M.
3. REINFORCING STEEL TO BE 2" CLEAR FROM FACE OF CONCRETE UNLESS OTHERWISE SPECIFIED.
4. RINGS, REDUCER AND PIPE FOR ACCESS SHAFT SHALL BE SEATED IN MORTAR AND NEATLY POINTED OR WIPED INSIDE THE SHAFT.
5. CRADLE OF MANHOLE SHALL BE POURED IN ONE CONTINUOUS OPERATION, EXCEPT THAT A CONSTRUCTION JOINT WITH A LONGITUDINAL KEYWAY MAYBE PLACED AT THE SPRING LINE.

TABLE OF VALUES FOR 'F'

D	F
48"	8"
51" & 54"	9"
57", 60", 63", 66"	10"
69" & 72"	11"
78", 84", 90", 96"	14"
102", 108", 114"	16"
120", 126", 132", 138", 144"	18"

CITY OF
Oxnard

MANHOLE No. 2
(MAIN LINE 45" OR LARGER)

DRAWN: STAFF

CKD.: STAFF *LB*

Department of Public Works

APPR.

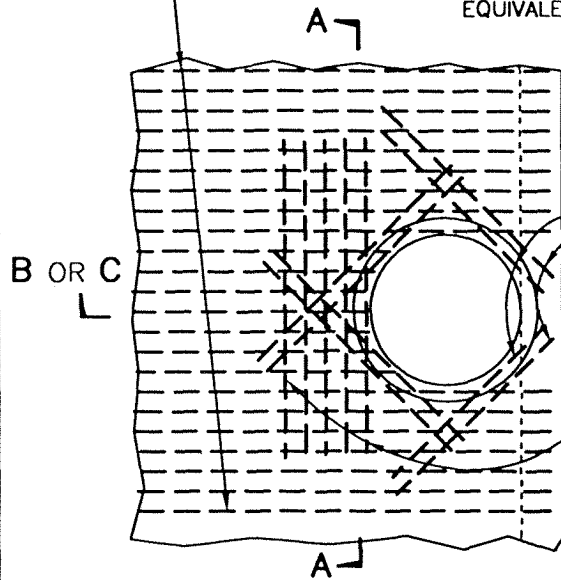
Granville M. Bowman
Granville M. Bowman

STANDARD PLAN
2002

PLATE 514

SHEET 1 OF 1

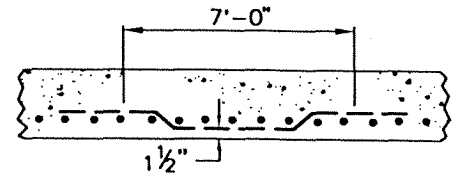
SIZE & SPACING OF STEEL AS SHOWN ON PLAN, EXCEPT THAT 5 BARS ON EACH SIDE OF SHAFT SHALL BE NOT SMALLER THAN #5 BARS, 4" O.C. OR EQUIVALENT



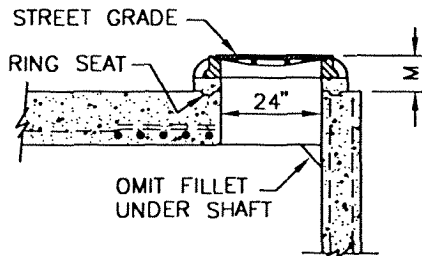
PLAN
(SHAFT NOT SHOWN)

#5 BARS
5' LONG, 4" C.C.

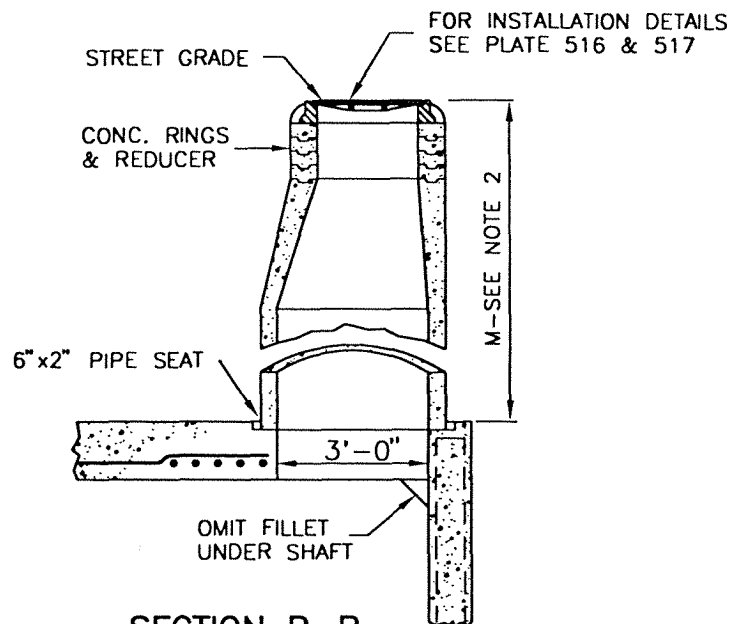
5 BARS 7' LONG, 4" O.C., OF SIZE SHOWN FOR TRANSVERSE STEEL, BUT NOT SMALLER THAN #5 BARS. WARP THESE BARS UNDER BARS THAT HAVE BEEN CUT FOR SHAFT OPENING.



SECTION A-A



SECTION C-C
SEE NOTE 2



SECTION B-B

**MANHOLE FOR
BOX SECTION STORM DRAIN**

NOTES:

1. FOR DETAILS OF ACCESS SHAFT SEE PLATE No. 516 & 517.
2. DEPTH M: WHEN DEPTH M FROM STREET GRADE TO TOP OF THE BOX IS LESS THAN 2'-10 1/2" FOR PAVED STREETS OR 3'-6" FOR UNPAVED STREETS, CONSTRUCT SHAFT PER SECTION C-C.



CITY OF

MANHOLE No. 3
(IN CONCRETE BOX STORM DRAIN)

DRAWN: STAFF CKD.: STAFF

Department of Public Works

APPR.

Granville M. Bowman

STANDARD PLAN
2002

PLATE 515

SHEET 1 OF 1

MANHOLE FRAME & COVER
REFER TO PLATE 517

MORTAR COLLAR
(SEE NOTE 1)

SEE RING SECTION
FOR JOINT DETAILS

REDUCER RING

#2 TIE BARS
4 REQUIRED

#2 COILS

36" MAX.

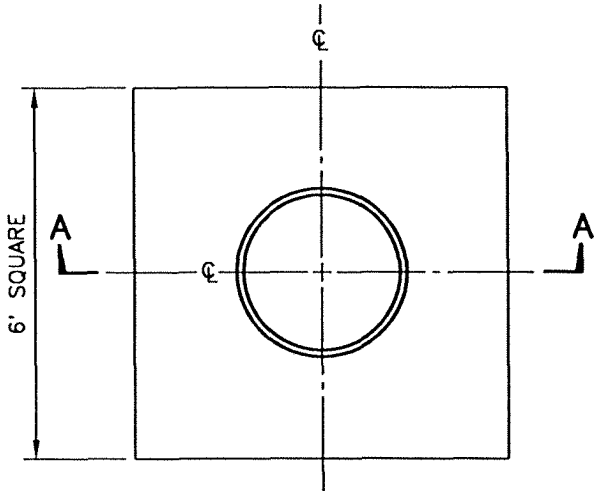
4 1/8" MIN.
REINF. RISER

48" DIA.

ANY STANDARD PIPE END

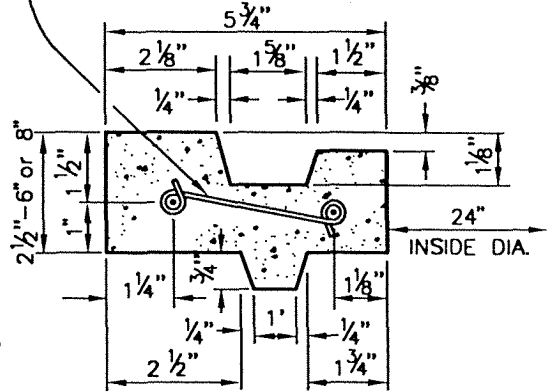
6" x 2" PIPE SEAT

VERTICAL SECTION
OF REINFORCED CONCRETE
ECCENTRIC MANHOLE SHAFT

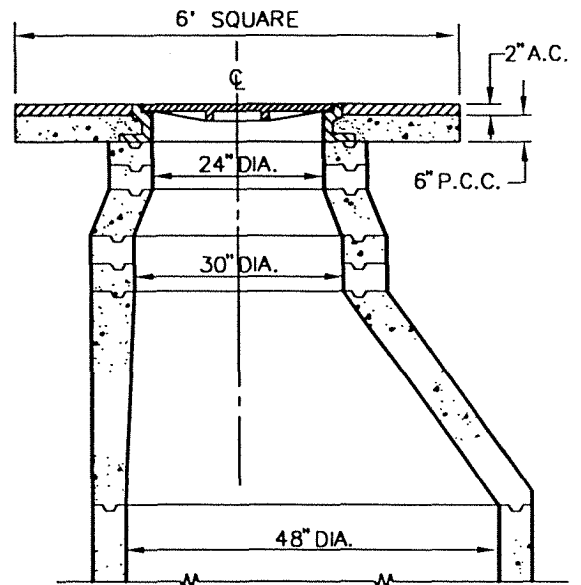


PLAN VIEW

2 1/2" RINGS SHALL BE REINFORCED
WITH TWO 1/4" ROUND STEEL HOOPS;
6" & 8" RINGS SHALL BE REINFORCED
WITH 4 & 6 HOOPS RESPECTIVELY,
2 3/4" APART.



CROSS SECTION
OF REINFORCED CONCRETE RING



SECTION A-A

NOTES:

1. MORTAR COLLAR AROUND COVER FRAME SHALL BE OMITTED IN PAVED STREETS.
2. ALL JOINTS SHALL BE FILLED WITH MORTAR AND NEATLY POINTED OR WIPED ON INSIDE OF SHAFT.

CITY OF
Oxnard

**CONCRETE RINGS, REDUCER
FOR MANHOLE SHAFT**

DRAWN: STAFF CKD.: STAFF

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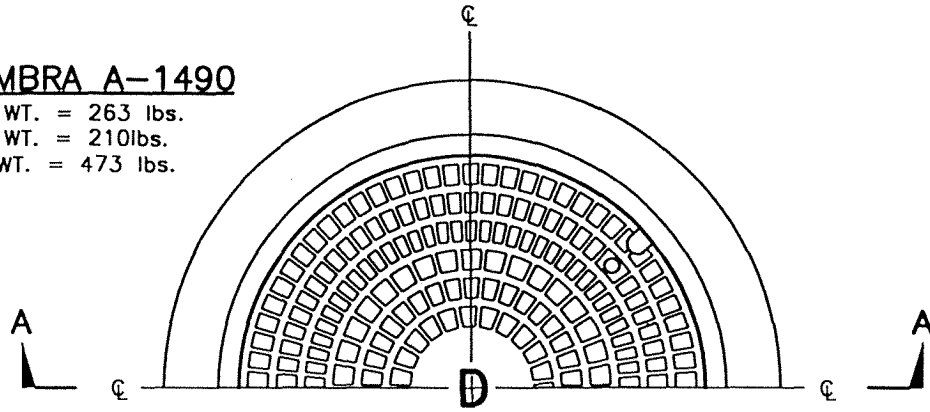
STANDARD PLAN
2002

PLATE 516

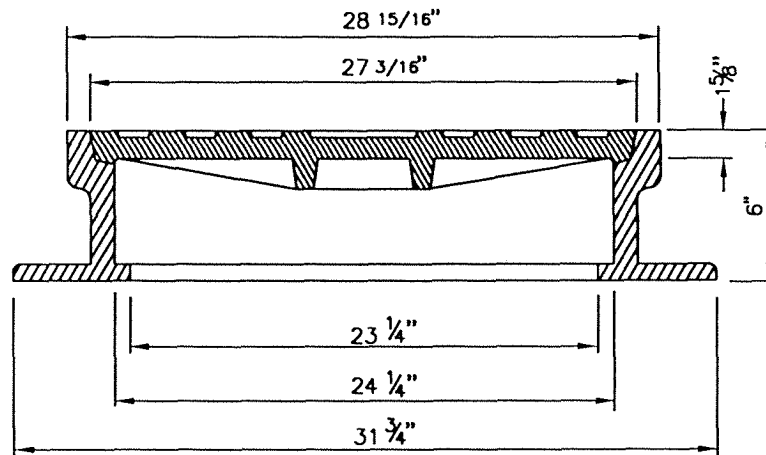
SHEET 1 OF 1

ALHAMBRA A-1490

COVER WT. = 263 lbs.
FRAME WT. = 210 lbs.
TOTAL WT. = 473 lbs.



PLAN



SECTION

NOTES:

1. MANHOLE FRAMES AND COVERS SHALL BE ALHAMBRA A-1490, (OR APPROVED EQUAL) WITH ASPHALTUM PAINT.
2. FOUNDRY MARK SHALL BE SHOWN ON THE FRAME (INSIDE OR OUTSIDE) AND ON THE BOTTOM OF THE COVER.
3. COVERS SHALL BEAR THE LETTER "D" FOR STORM DRAINS AND "S" FOR SEWERS. THE LETTERS SHALL BE APPROXIMATELY 2 1/2" HIGH WITH 1/2" LINE WIDTH AND PLACED IN THE CENTER OF THE COVER. COVERS SHALL ALSO BEAR THE AGENCY'S IDENTIFICATION IN ACCORDANCE WITH INSTRUCTIONS FURNISHED BY THE AGENCY. ALL LETTERS SHALL BE FLUSH WITH THE FINISHED SURFACE OF THE COVER.
4. COVERS FOR MANHOLES LOCATED IN EASEMENTS, PARKWAYS, AND ALL OTHER PLACES EXCEPT PAVED STREETS OR ALLEYS SHALL BE PROVIDED WITH ALLEN SOCKET SET SCREW LOCKING DEVICES. THE CONTRACTOR SHALL DRILL AND TAP TWO HOLES TO A DEPTH OF 1 INCH AT 90 DEGREES TO PICK HOLE AND INSTALL 3/4 BY 3/4 INCH ALLEN SOCKET SET SCREWS.
5. THE WEIGHT OF THE COVER SHALL NOT VARY MORE THAN FIVE PERCENT FROM THAT SHOWN.



CITY OF

MANHOLE FRAME AND COVER

DRAWN: STAFF CKD.: STAFF

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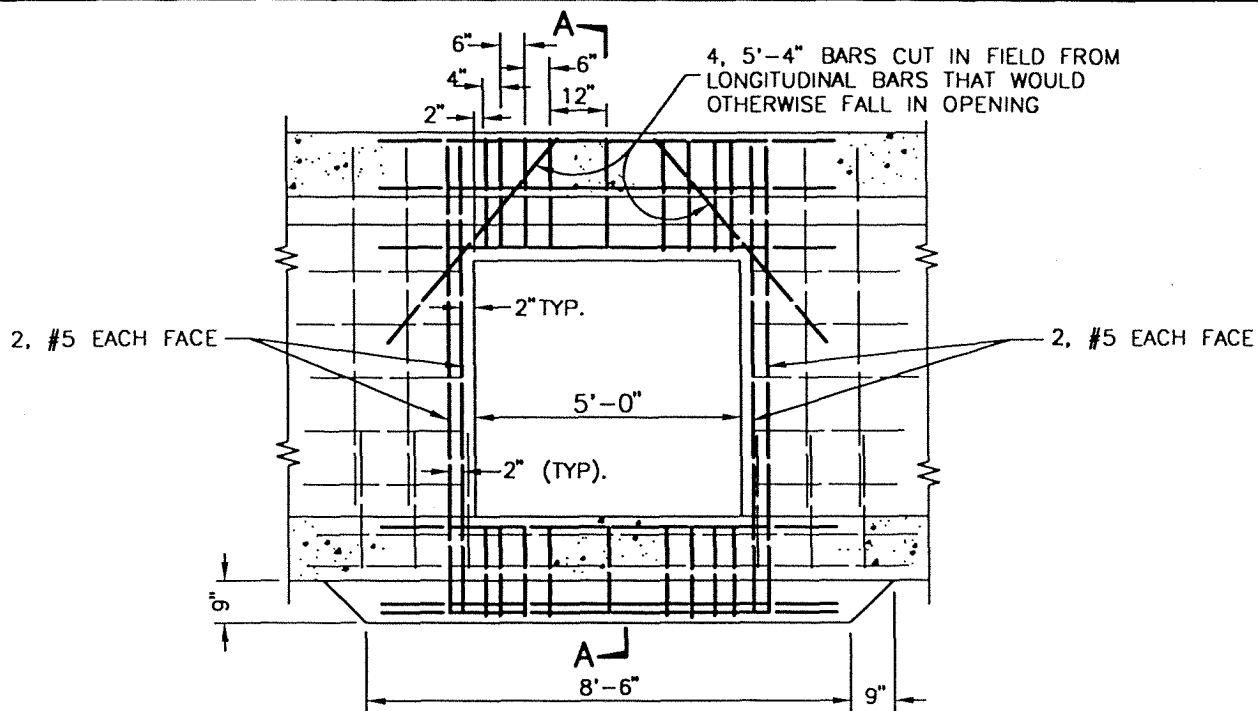
STANDARD PLAN
2002

PLATE 517

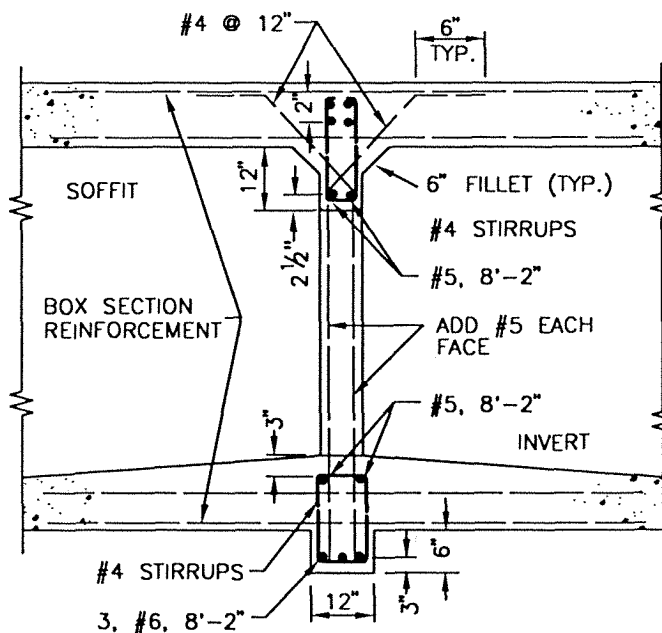
SHEET 1 OF 1

REV.	APPR.	BY	DATE

REV.	APPR.	BY	DATE



ELEVATION



SECTION A-A

NOTES:

- THIS STRUCTURE TO BE USED WHERE:
 - DEPTH OF COVER DOES NOT EXCEED 10'.
 - CLEAR SPAN OF ONE BARREL DOES NOT EXCEED 12'
- LONGITUDINAL BARS TO BE CUT IN FIELD 2" FROM OPENING.
- ROUND ALL EDGES TO 2" RADIUS.
- NO TRANSVERSE CONSTRUCTION JOINT TO BE PLACED WITHIN 5' OF WINDOW.



WINDOW DETAILS FOR MULTIPLE BOX SECTION

DRAWN: STAFF CKD.: STAFF

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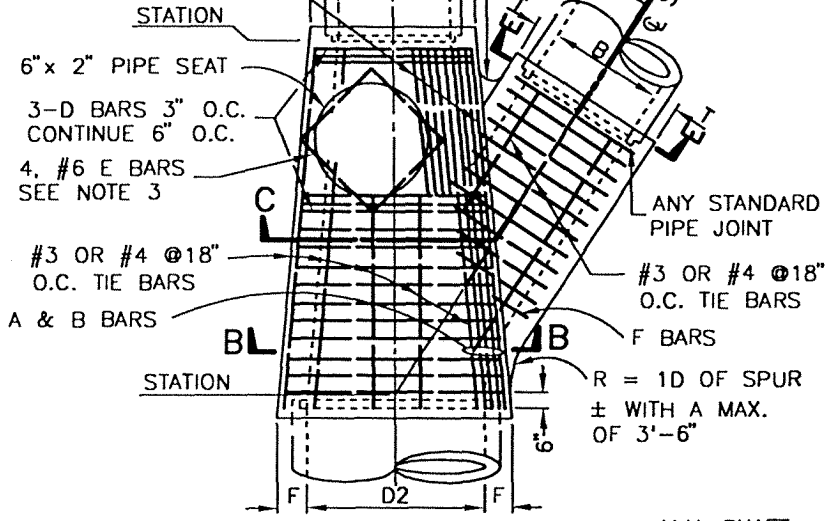
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STANDARD PLAN
2002

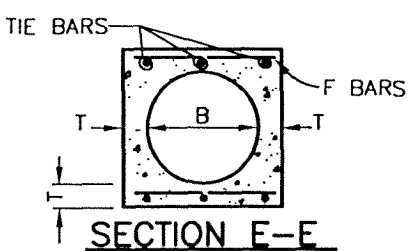
PLATE 520

SHEET 1 OF 1

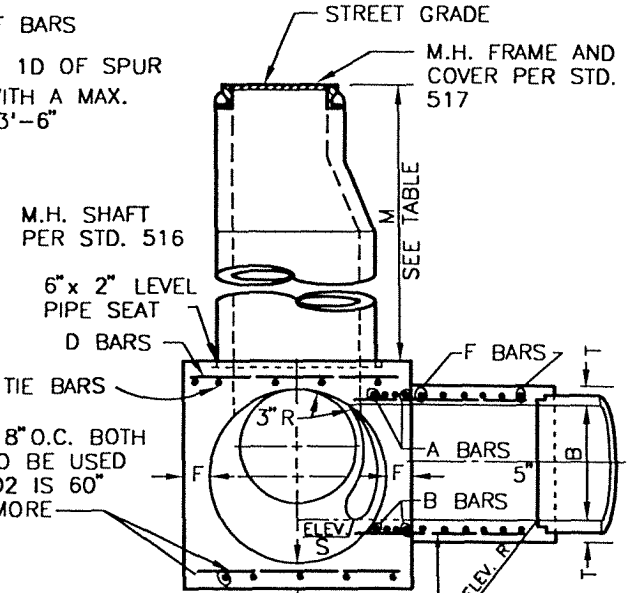
3-#4 J BARS, 4'-8" LONG,
3" O.C. CONTINUE
ADDITIONAL BARS
6" O.C. TO INSIDE
EDGE OF M.H.



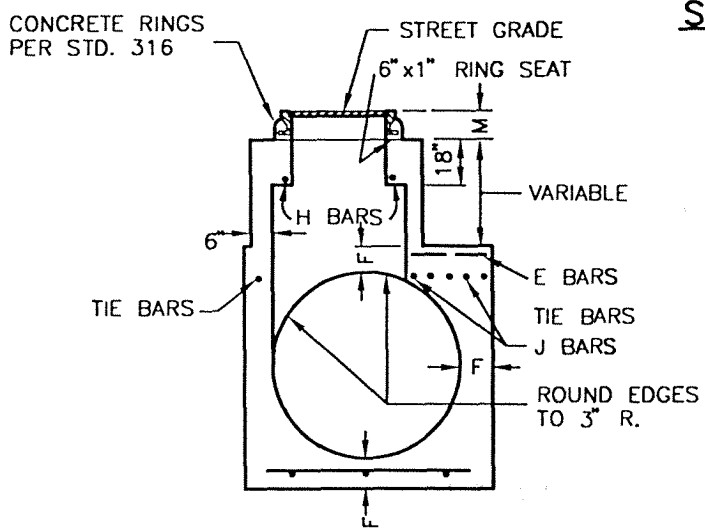
PLAN
TYPE I



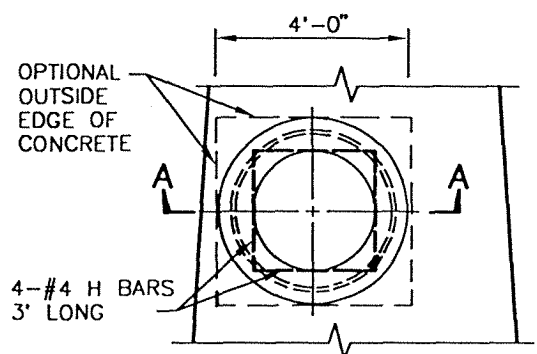
SECTION E-E



SECTION B-B, C-C



SECTION A-A



DETAIL N

RINGS AND COVER NOT SHOWN
(SEE NOTE 2)



CITY OF

JUNCTION STRUCTURE No. 1

DRAWN: STAFF CKD.: STAFF
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Granville M. Bowman

STANDARD PLAN
2002

PLATE 521

SHEET 1 OF 3

REV.	DATE

REV.	DATE

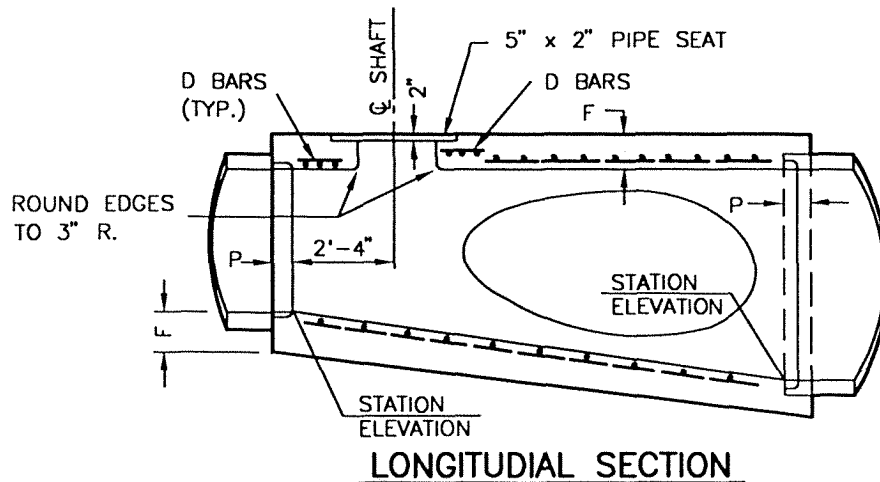
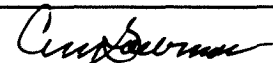


TABLE OF VALUES FOR M (SEE NOTE 2)				
SECTION	PAVED STREET		UNPAVED STREET	
	MAX.	MIN.	MAX.	MIN.
B-B C-C		2'-10 1/2"		3'-6"
A-A	11"	8 1/2"	16"	15"

TABLE OF BAR SIZES		
D2 OR B	A & B	D OR F
12" - 39"	#5 @ 3"	#4 @ 6"
42" - 84"	#6 @ 3"	#5 @ 6"
90" - 144"	#7 @ 3"	#6 @ 6"

TABLE OF VALUES FOR F	
D2	F
36"	6 1/2"
39"	7"
42"	7 1/2"
45"	7 3/4"
48"	8"
51"	8 1/2"
54"	9"
57"	9 1/4"
60"	9 1/2"
63"	10"
66"	10 1/4"
69"	10 3/4"
72"	11"
78"	11 3/4"
84"	12 1/2"
90"	13 1/4"
96"	14"
102"	15 1/2"
108"	16"
114"	16 1/2"
120"	17"
126"	17"
132"	17 1/2"
138"	17 1/2"
144"	18"

TABLE OF VALUES FOR T	
B	T
12"	4"
15"	4 1/4"
18"	4 1/2"
21"	5"
24"	5 1/4"
27"	5 1/2"
30"	6"
33"	6 1/4"
36"	6 1/2"
39"	7"
42"	7 1/2"
45"	7 3/4"
48"	8"
51"	8 1/2"
54"	9"
57"	9 1/4"
60"	9 1/2"
63"	10"
66"	10 1/4"
69"	10 3/4"
72"	11"
78"	11 3/4"
84"	12 1/2"
90"	13 1/4"
96"	14"
102"	15 1/2"
108"	16"
114"	16 1/2"
120"	17"
126"	17"
132"	17 1/2"
138"	17 1/2"
144"	18"

	JUNCTION STRUCTURE No. 1		STANDARD PLAN 2002
	DRAWN: STAFF	CKD.: _____	PLATE 521
Department of Public Works		APPR.  Granville M. Bowman	SHEET 2 OF 3

NOTES:

1. VALUES FOR A, B, C, D1, D2, ELEVATION R AND ELEVATION S ARE SHOWN ON THE PROJECT DRAWINGS. ELEVATION S APPLIES AT INSIDE WALL OF STRUCTURE.
2. WHEN DEPTH M FROM STREET GRADE TO THE TOP OF THE BOX IS LESS THAN 2'-10 1/2" FOR PAVED STREETS OR 3'-6" FOR UNPAVED STREETS, CONSTRUCT MONOLITHIC SHAFT PER SECTION C-C AND DETAIL N. SHAFT FOR ANY MANHOLE MAY BE CONSTRUCTED PER SECTION C-C. WHEN DIAMETER D1 IS 48" OR LESS, CENTER OF SHAFT MAY BE LOCATED PER NOTE 3.
3. CENTER OF MANHOLE SHAFT SHALL BE LOCATED OVER CENTER LINE OF STORM DRAIN WHEN DIAMETER D1 IS 48" OR LESS, IN WHICH CASE PLACE E BARS SYMMETRICALLY AROUND SHAFT AT 45° WITH CENTER LINE.
4. LENGTH OF MANHOLE MAY BE INCREASED TO MEET PIPE ENDS. BUT ANY CHANGE IN LOCATION OF SPUR MUST BE APPROVED BY THE ENGINEER.
5. P SHALL BE 5" FOR D2 = 96" OR LESS AND 8" FOR D2 OVER 96".
6. REINFORCEMENT SHALL CONFORM TO ASTM 615, GRADE 40, AND SHALL TERMINATE 1 1/2" CLEAR OF CONCRETE SURFACES UNLESS OTHERWISE SHOWN.
7. FLOOR OF MANHOLE SHALL BE STEEL TROWELED TO SPRING LINE.
8. BODY OF MANHOLE SHALL BE POURED IN ONE CONTINUOUS OPERATION EXCEPT THAT A CONSTRUCTION JOINT WITH A LONGITUDINAL KEYWAY MAY BE PLACED AT SPRING LINE.
9. THICKNESS OF THE DECK SHALL VARY WHEN NECESSARY TO PROVIDE A LEVEL SEAT, BUT SHALL NOT BE LESS THAN THE TABULAR OF F SHOWN ON TABLE.
10. IF LATERALS ENTER ON BOTH SIDES OF MANHOLE, SHAFT SHALL BE LOCATED ON SIDE RECEIVING THE SMALLER LATERAL.
11. THE FOLLOWING CRITERIA SHALL BE USED FOR THIS JUNCTION STRUCTURE:
 - A. THIS STANDARD PLAN IS USED WHEN STANDARD PLAN 514 IS INADEQUATE. MAIN LINE = 48" INSIDE DIAMETER OR LARGER.
 - B. LATERAL = 12" TO 144" INSIDE DIAMETER: HOWEVER, THE INSIDE DIAMETER SHALL NOT EXCEED THE INSIDE DIAMETER OF THE MAIN LINE.
12. MANHOLE FRAME AND COVER SHALL CONFORM TO STANDARD PLAN 517 UNLESS OTHERWISE SHOWN.
13. MANHOLE SHAFT SHALL CONFORM TO STANDARD PLAN 516 UNLESS OTHERWISE SHOWN.



CITY OF

JUNCTION STRUCTURE No. 1

STANDARD PLAN
2002

DRAWN: STAFF

CKD.: STAFF

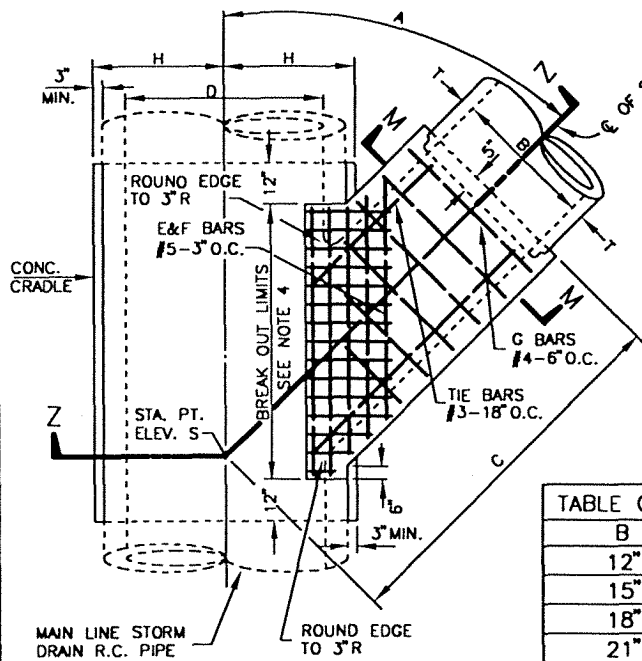
Department of Public Works

APPR.

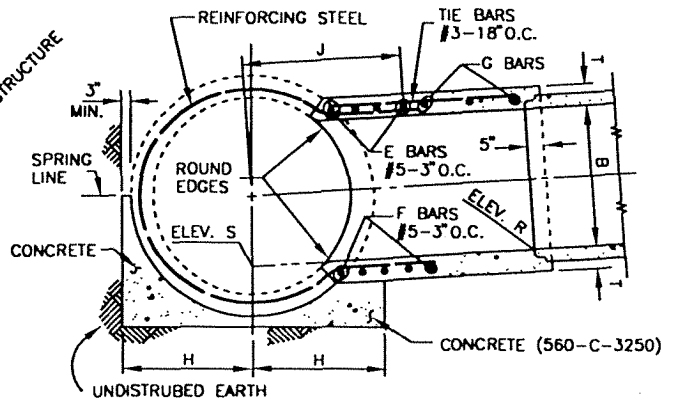
Granville M. Bowmon
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PLATE 521

SHEET 3 OF 3

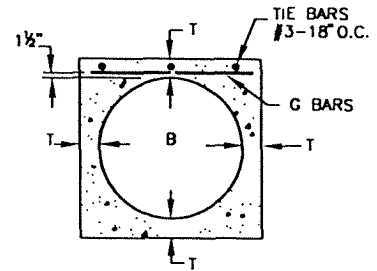


PLAN



SECTION Z-Z

TABLE OF VALUES FOR T	
B	T
12"	5"
15"	5"
18"	5"
21"	5"
24"	5½"
27"	5½"
30"	6"
33"	6½"
36"	6½"
39"	7"

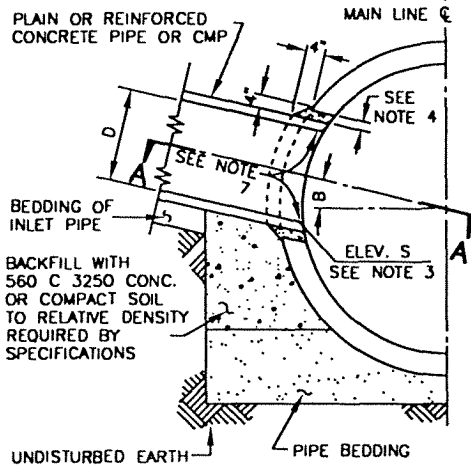


SECTION M-M

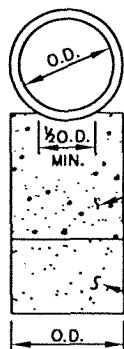
NOTES:

- JUNCTION STRUCTURE No. 2 IS TO BE USED WHEN OUTSIDE DIAMETER OF B IS GREATER THAN ½ THE INSIDE DIAMETER OF D, OR B IS GREATER THAN 24". B SHALL NOT EXCEED ¾D OR 39". NOTE: NO MORE THAN ONE OPENING SHALL BE MADE IN ONE SECTION OF PIPE.
- VALUES OF A, B, C, AND D ARE SHOWN ON PROJECT DRAWINGS. ELEVATION "R" AND ELEVATION "S" ARE SHOWN WHEN REQUIRED PER NOTE 10.
- ELEVATION S APPLIES AT INSIDE WALL OF STRUCTURE.
- THE OPENING SHALL BE RECTANGULAR, CUT NORMAL TO PIPE SURFACE WITHOUT DAMAGING REINFORCING STEEL. IF A JOINT IN THE MAIN LINE PIPE FALLS WITHIN THE LIMITS OF THE CONCRETE CRADLE, PROVIDE A CONCRETE ENCASEMENT ONE FOOT ABOVE THE TOP OF MAIN LINE PIPE TO THE LIMITS OF THE CRADLE.
- THE TRANSVERSE REINFORCEMENT IN PIPE SHALL BE CUT AT CENTER OF OPENING AND BENT INTO TOP AND BOTTOM SLABS OF SPUR.
- THE MAIN LINE PIPE SHALL BE CRADLED AND ENCASED IN 560 C 3250 CONCRETE MIX EXTENDING LONGITUDINALLY 12" BEYOND THE LIMITS OF BREAK OUT (SEE NOTE 4), AND TRANSVERSELY A DISTANCE OF H ON EACH SIDE OF THE CENTERLINE OF PIPE $H = \frac{1}{2}$ O.D. OF PIPE + 3" MIN. CRADLE MAYBE OMITTED ON SIDE OPPOSITE LATERAL INLET WHEN CONSTRUCTED IN CONNECTION WITH EXISTING STORM DRAIN.
- REINFORCING STEEL SHALL BE PLACED 1½" CLEAR FROM FACE OF CONCRETE, UNLESS OTHERWISE SHOWN.
- E AND F BARS SHALL BE CARRIED TO A POINT NOT LESS THAN J DISTANCE FROM CENTERLINE.
 $J = (7D/12) + 6"$.
- FLOOR OF STRUCTURE SHALL BE STEEL-TROWELED TO SPRING LINE.
- WHEN ELEVATION "R" AND ELEVATION "S" ARE NOT SHOWN ON PROJECT DRAWINGS, INLET PIPE SHALL ENTER MAIN LINE RADIALLY. WHEN INLET PIPE ENTERS MAIN LINE OTHER THAN RADIALLY, ELEVATION "S" SHALL BE SHOWN PROJECT DRAWINGS AND INLET PIPE SHALL BE LAID ON A STRAIGHT GRADE FROM ELEVATION S TO CATCH BASIN OR GRADE BREAK IN LINE. ELEVATION "R" SHALL BE SHOWN ON PROJECT DRAWINGS ONLY WHEN STUB IS TO BE PROVIDED IN MAIN LINE FOR FUTURE CONSTRUCTION OF INLET PIPE.
- STATIONS SPECIFIED ON DRAWINGS APPLY AT THE INTERSECTION OF CENTER LINES OF MAIN LINE AND LATERALS, EXCEPT THAT STATIONS FOR CATCH BASIN CONNECTOR PIPE APPLY AT INSIDE WALL OF STRUCTURE.

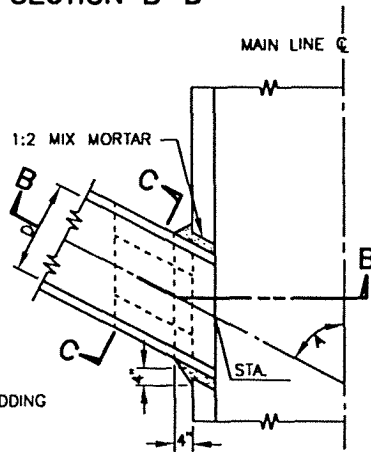
	JUNCTION STRUCTURE No. 2		STANDARD PLAN 2002
	DRAWN: STAFF	CKD.: STAFF	PLATE 522
Department of Public Works		APPR.	SHEET 1 OF 1



SECTION B-B



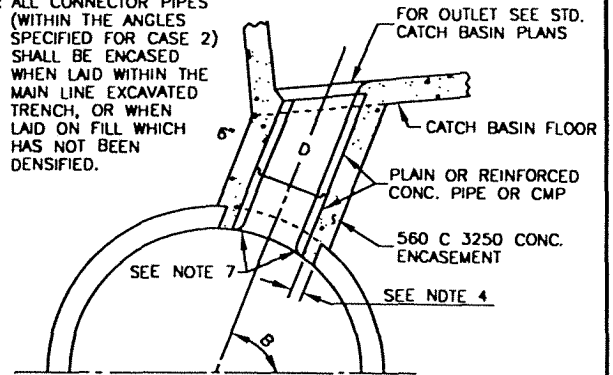
SECTION C-C



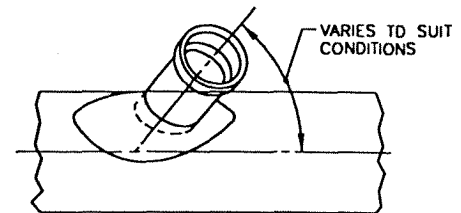
SECTION A-A

CASE 1

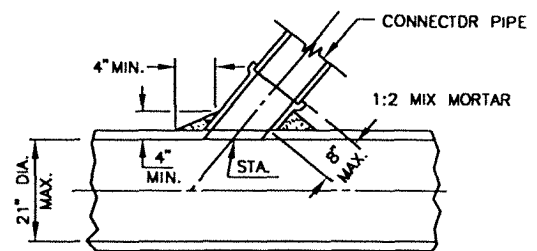
NOTE: ALL CONNECTOR PIPES (WITHIN THE ANGLES SPECIFIED FOR CASE 2) SHALL BE ENCASED WHEN LAID WITHIN THE MAIN LINE EXCAVATED TRENCH, OR WHEN LAID ON FILL WHICH HAS NOT BEEN DENSIFIED.



CASE 2



PLAN



SECTION

CASE 3-SADDLE CONNECTION

NOTES: CASE 1 AND CASE 2

1. ANGLE A SHALL BE BETWEEN 45 DEGREES AND 90 DEGREES AND D SHALL BE 24 INCHES OR LESS. FOR SMALLER VALUES OF A AND LARGER VALUES OF D, USE APPROPRIATE STANDARD STRUCTURE.
2. IN NO CASE SHALL THE OUTSIDE DIAMETER OF THE INLET PIPE EXCEED ONE-HALF THE INSIDE DIAMETER OF THE MAIN STORM DRAIN.
3. CENTER LINE OF INLET SHALL BE ON RADIUS OF MAIN STORM DRAIN EXCEPT WHERE ELEVATION S IS SHOWN ON PROJECT DRAWINGS.
4. THE OPENING INTO MAIN STORM DRAIN SHALL BE THE OUTSIDE DIAMETER OF THE INLET PIPE PLUS ONE INCH MINIMUM OR 3 INCH MAXIMUM.
5. ALL CORRUGATED METAL PIPE AND FITTINGS SHALL BE GALVANIZED.
6. IF ANGLE B IS 45 DEGREES OR LESS, USE CASE 1. IF ANGLE B IS GREATER THAN 45 DEGREES, USE CASE 2.
7. BURN OR CHIP END OF CONNECTOR PIPE FLUSH WITH INNER SURFACE OF MAIN LINE PIPE. ROUND EDGE OF CONCRETE PIPE OR REINFORCED CONCRETE PIPE.
8. STATION SPECIFIED ON DRAWINGS APPLIES AT THE INTERSECTION OF INSIDE WALL OF MAIN STORM DRAIN AND CENTER LINE OF INLET PIPE.

NOTES: CASE 3

1. CONNECTIONS TO PIPES 21 INCHES OR LESS IN DIAMETER WITHOUT JUNCTION STRUCTURES OR PRECAST Y BRANCHES SHALL BE MADE WITH SADDLES.
2. TRIM OR CUT SADDLE TO FIT SNUGLY OVER THE OUTSIDE OF THE MAIN PIPE, AND SO ITS AXIS WILL BE ON THE LINE AND GRADE OF THE CONNECTING PIPE.
3. THE OPENING INTO THE PIPE SHALL BE CUT AND TRIMMED TO FIT THE SADDLE SO THAT NO PART WILL PROJECT WITHIN THE BORE OF THE SADDLE PIPE.
4. THE CONNECTING PIPE SHALL BE SUPPORTED AS SHOWN IN CASES 1 AND 2.

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JUNCTION STRUCTURE No. 3

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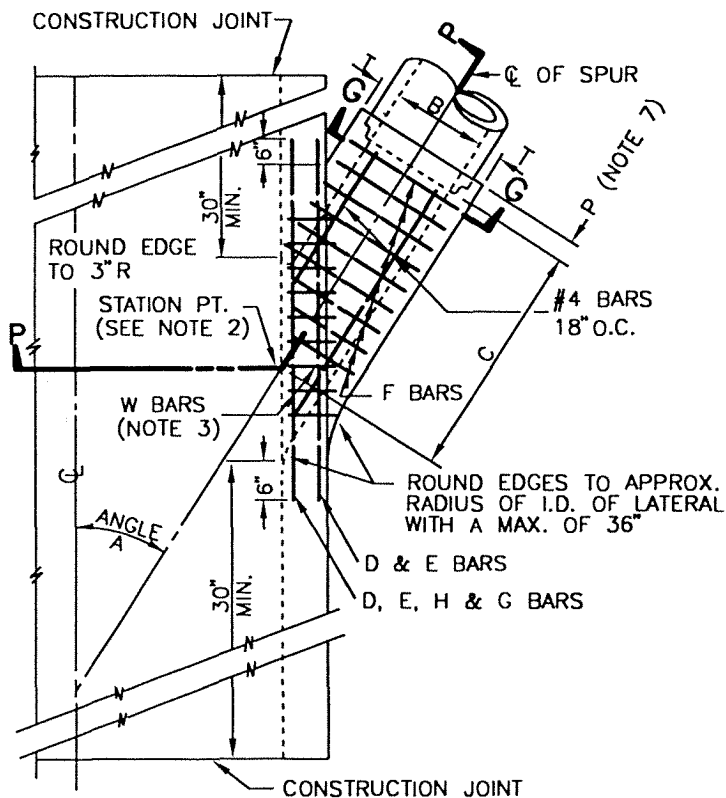
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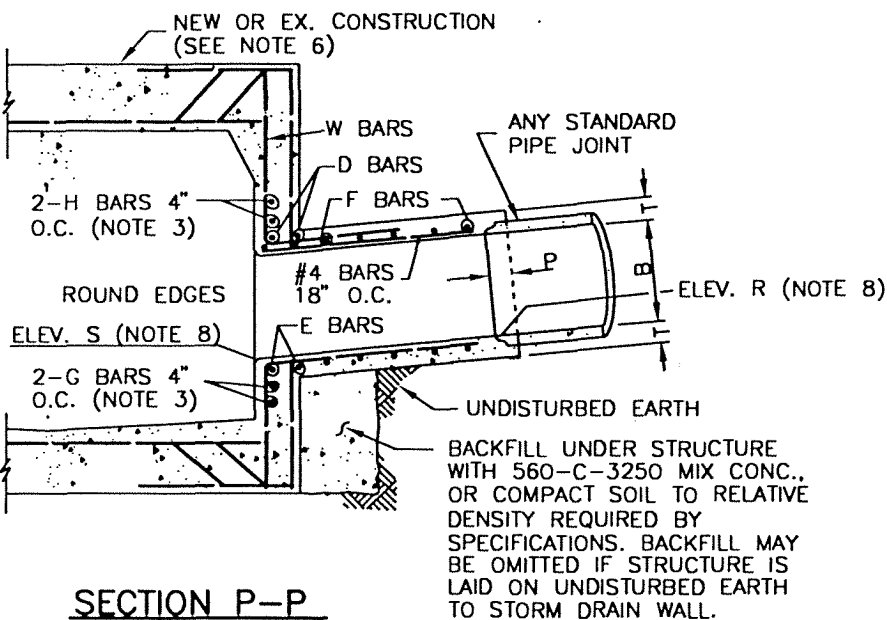
STANDARD PLAN
2002

PLATE 523

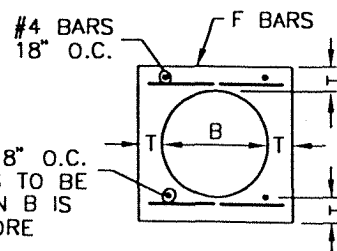
SHEET 1 OF 1



PLAN



SECTION P-P



SECTION G-G

TABLE

FOR DIMENSIONS & BAR SIZES

B (INCHES)	T (INCHES)	D, E, H & G BARS	F BARS
12	5	#5	#4 @ 6" O.C.
15	5		
18	5		
21	5		
24	5 1/4		
27	5 1/2		
30	6		
33	6 1/4		
36	6 1/2		
39	7		
42	7 1/2	#6	#5 @ 6" O.C.
45	7 3/4		
48	8		
51	8 1/2		
54	9		
57	9 1/4		
60	9 1/2		
63	10		
66	10 1/4		
69	10 1/2		
72	11	#7	#5 @ 6" O.C.
78	11 1/4		
84	12 1/2		
90	13 1/4		
96	14		
102	15 1/2		
108	16		
114	16 1/2		
120	17		
126	17		
132	17 1/2		
138	17 1/2		
144	18		

	CITY OF		JUNCTION STRUCTURE No. 4		STANDARD PLAN 2002
			DRAWN: STAFF CKD.: STAFF APPR. Granville M. Bowman		PLATE 524 SHEET 1 OF 2

NOTES:

1. VALUES FOR A, B AND C SHALL BE SHOWN ON THE PROJECT PLANS. ELEVATION R AND ELEVATION S SHALL BE SHOWN WHEN REQUIRED PER NOTE 8.
2. STATIONS SPECIFIED ON THE PROJECT PLANS APPLY AT THE INTERSECTION OF CENTER LINES OF MAIN LINE AND LATERALS, EXCEPT THAT STATIONS FOR CATCH BASIN CONNECTOR PIPES APPLY AT INSIDE WALL OF STRUCTURE.
3. REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 40 AND SHALL TERMINATE $1\frac{1}{2}$ " CLEAR OF CONCRETE SURFACE UNLESS OTHERWISE SHOWN.
 - A. W BARS ARE OF SIZE AND SPACING SPECIFIED FOR WALL STEEL ON PROJECT PLANS, AND SHALL BE CUT IN CENTER OF OPENING AND BENT INTO TOP AND BOTTOM OF JUNCTION STRUCTURE.
 - B. OMIT H BARS WHEN SOFFIT OF SPUR IS 12" OR LESS BELOW SOFFIT OF MAIN LINE AND OMIT G BARS WHEN INVERT OF SPUR IS 12" OR LESS ABOVE FLOOR OF MAIN LINE.
4. JUNCTION STRUCTURE SHALL BE POURED MONOLITHICALLY WITH MAIN LINE, MANHOLE OR TRANSITION STRUCTURE.
5. FLOOR OF STRUCTURE SHALL BE STEEL-TROWELED TO THE SPRING LINE.
6. WHEN CONNECTING TO EXISTING R.C.B., BREAKOUT LIMITS AND DETAILS SHALL BE SHOWN ON THE PROJECT PLANS.
7. EMBEDMENT, P, SHALL BE 5" FOR B = 96" OR LESS 8" FOR B OVER 96".
8. IF ELEVATION R AND ELEVATION S ARE NOT SHOWN ON THE PROJECT PLANS THEN THE INLET OPENING SHALL FALL 6" BELOW THE SOFFIT OF THE MAIN LINE WITH INLET PIPE LAID ON A STRAIGHT GRADE FROM MAIN LINE TO CATCH BASIN OR TO GRADE BREAK IN INLET LINE. ELEVATION S SHALL BE SHOWN ON THE PROJECT PLANS IF THE INLET OPENING FALLS MORE THAN 6" BELOW THE SOFFIT OF THE MAIN LINE WITH THE INLET PIPE LAID ON A STRAIGHT GRADE AS STATED ABOVE. ELEVATION R SHALL BE SHOWN ON THE PROJECT PLANS ONLY WHEN A STUB IS TO BE PROVIDED FOR A FUTURE CONNECTION.
9. LATERALS OR CONNECTOR PIPES 24" OR LESS IN DIAMETER SHALL BE NO MORE THAN 5' ABOVE THE INVERT. LATERALS OR CONNECTOR PIPES 27" OR LARGER IN DIAMETER SHALL BE NO MORE THAN 18" ABOVE THE INVERT, WITH THE EXCEPTION THAT CATCH BASIN CONNECTOR PIPES LESS THAN 50' IN LENGTH SHALL NOT BE MORE THAN 5' ABOVE THE INVERT.
10. THE NEED FOR AN EDGE BEAM AND OR ADDITIONAL REINFORCEMENT SHALL BE INVESTIGATED BY THE ENGINEER FOR ANY ONE OF THE FOLLOWING CONDITIONS:
 - A. ANGLE A IS LESS THAN 30°.
 - B. TOP OF INLET PIPE IS LESS THAN 6" BELOW THE SOFFIT.
 - C. FLOW LINE OF INLET PIPE IS LESS THAN 7" ABOVE THE FLOOR OF THE R.C.B. AT THE INSIDE FACE.



CITY OF

JUNCTION STRUCTURE No. 4

STANDARD PLAN
2002

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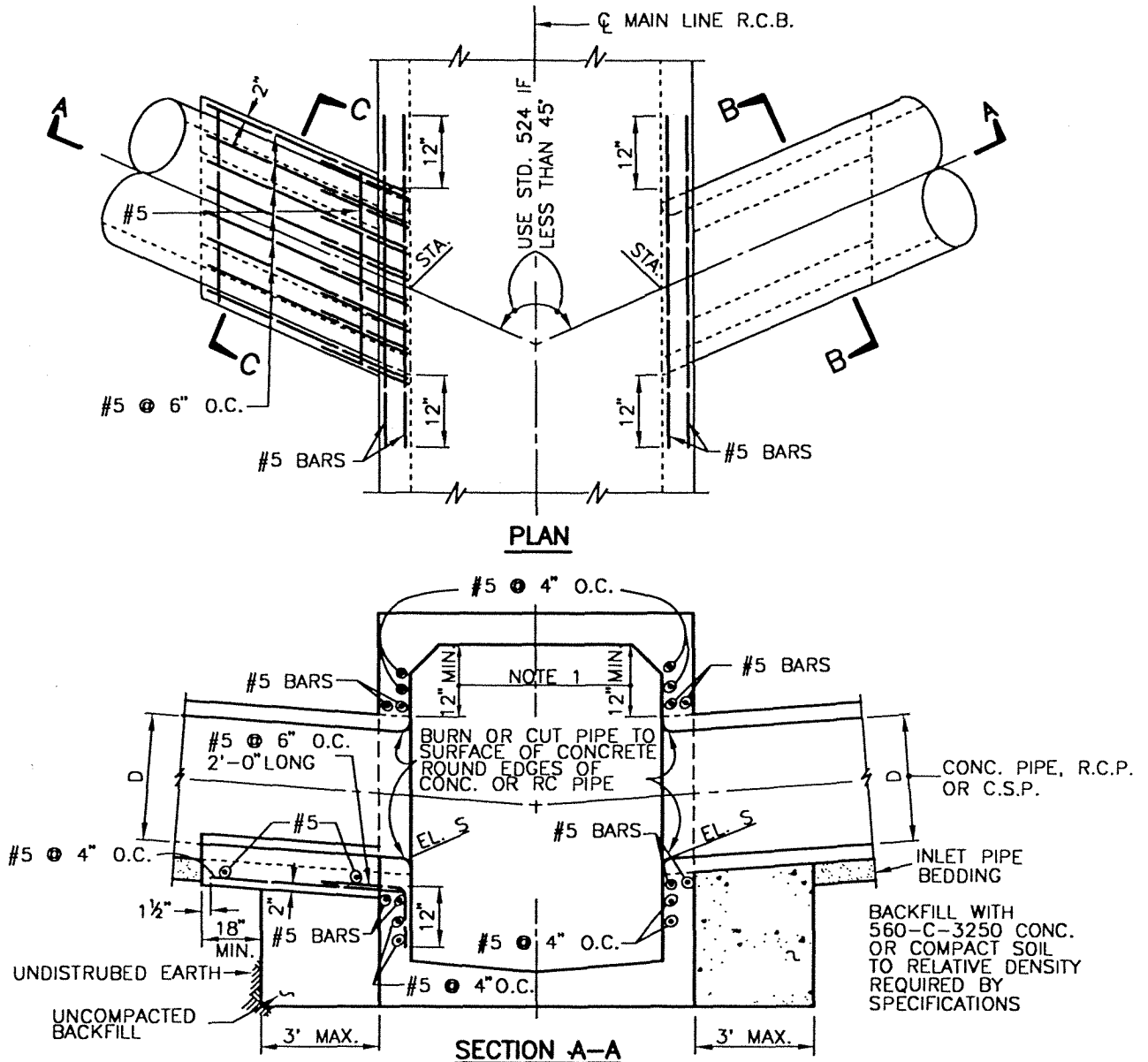
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PLATE 524

SHEET 2 OF 2

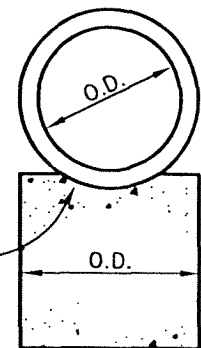
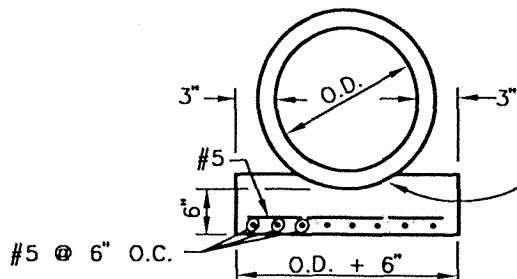
REV.	APPR. BY	DATE

REV.	APPR. BY	DATE



CASE 1
BEAM SUPPORT
D = 30" MAX.

CASE 2
COLUMN SUPPORT
D = 30" MAX.



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JUNCTION STRUCTURE No. 5

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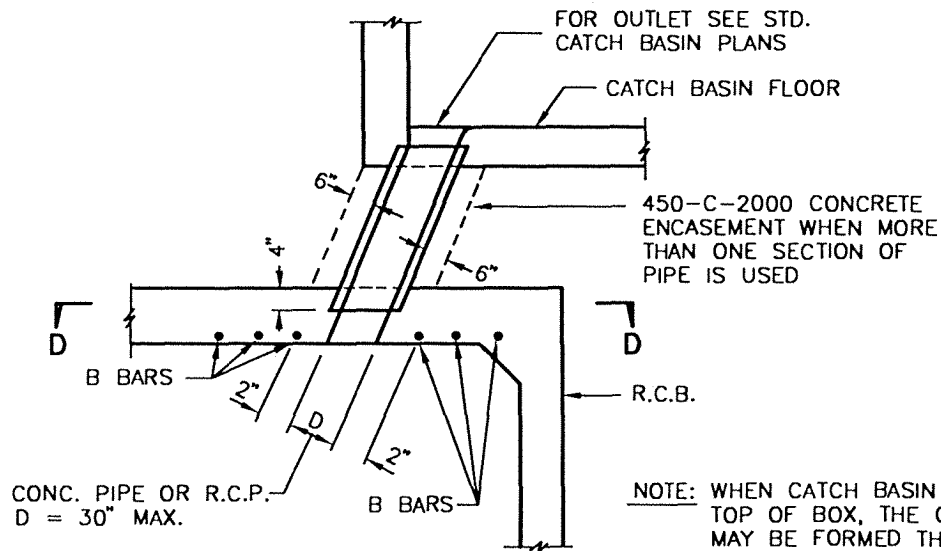
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STANDARD PLAN
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PLATE 525

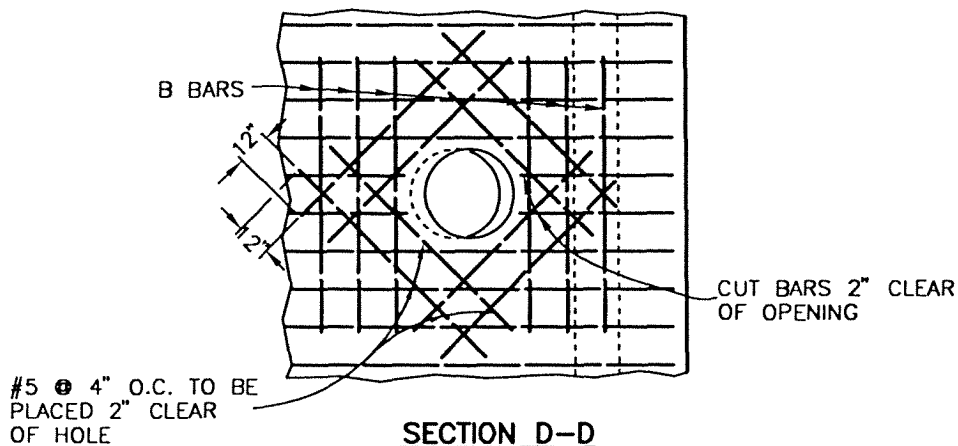
SHEET 1 OF 2

B BARS - #6 @ 4" O.C., LENGTH = D + 36"
 PLACED UNDER CUT BARS AND
 ON TOP OF UNCUT BARS. OMIT
 BARS THAT FALL OVER SIDEWALLS.



CASE 3
TOP SLAB ENTRANCE

NOTE: WHEN CATCH BASIN FALLS ON
 TOP OF BOX, THE OPENING
 MAY BE FORMED THROUGH
 FLOOR OF CATCH BASIN AND
 TOP SLAB OF BOX.



NOTES:

1. USE JUNCTION STRUCTURE PER STD. 524 INSTEAD OF THIS JUNCTION STRUCTURE UNDER ANY ONE OF THE FOLLOWING CONDITIONS:
 - A. DIAMETER OF THE INLET PIPE EXCEEDS 30".
 - B. TOP OF PIPE IS LESS THAN 12" BELOW SOFFIT OF BOX.
 - C. FLOW LINE OF PIPE IS LESS THAN 13" ABOVE FLOOR OF THE BOX AT INSIDE FACE.
 - D. ANGLE A IS LESS THAN 45°.
2. ALL CORRUGATED METAL PIPE AND FITTINGS SHALL BE GALVANIZED.
3. ELEVATION S SHALL BE SPECIFIED ON PROJECT PLANS ONLY WHERE TOP OF PIPE IS MORE THAN 12" BELOW SOFFIT OF BOX.
4. LATERALS OR CONNECTOR PIPES 24" OR LESS IN DIAMETER SHALL BE NOT MORE THAN 5' ABOVE THE INVERT. LATERALS OR CONNECTOR PIPES 27" OR LARGER IN DIAMETER SHALL BE NOT MORE THAN 18" ABOVE THE INVERT, WITH THE EXCEPTION THAT CATCH BASIN CONNECTOR PIPES LESS THAN 50' IN LENGTH SHALL BE NOT MORE THAN 5' ABOVE THE INVERT.



CITY OF

JUNCTION STRUCTURE No. 5

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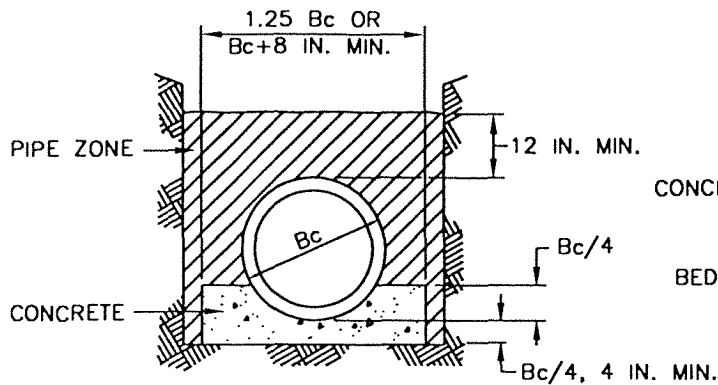
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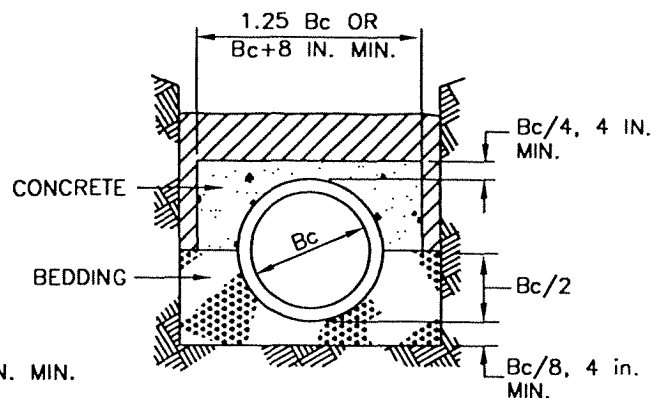
PLATE 525

SHEET 2 OF 2



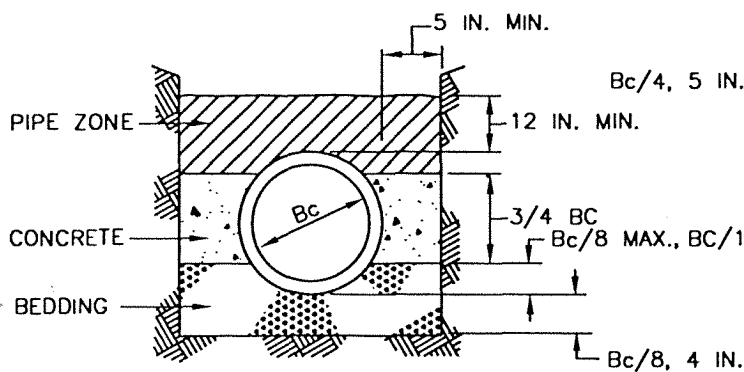
LOAD FACTORS: 2.2 NATIVE BACKFILL MATERIAL LIGHTLY TAMPED
2.8 ASTM D448=67 CRUSHED STONE
3.4 REINFORCED CONCRETE, P=0.4%

FIG. 1 CLASS A-I



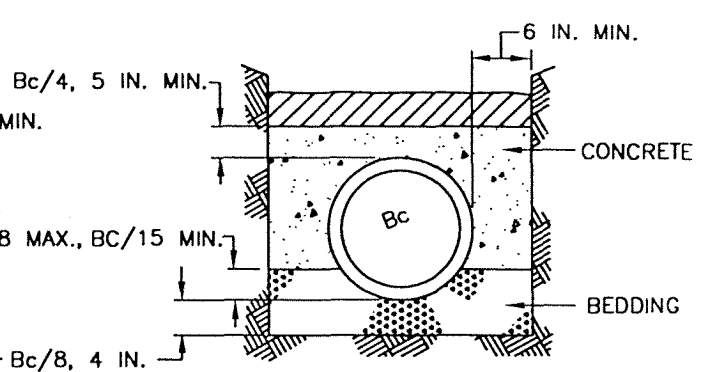
LOAD FACTORS: 2.8 PLAIN CONCRETE
3.4 REINFORCED CONCRETE, P=0.4%

FIG. 2 CLASS A-II



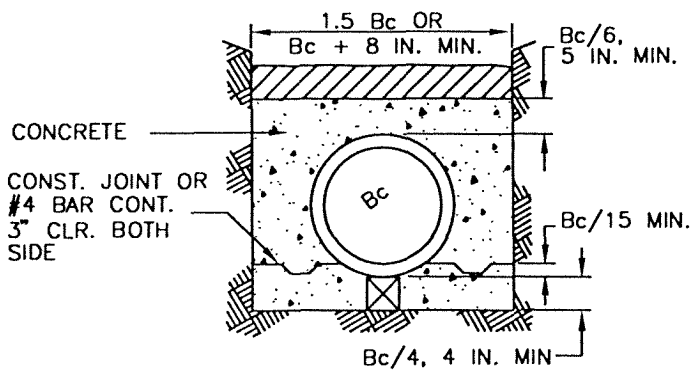
LOAD FACTORS 2.7

FIG. 3 CLASS A-III



LOAD FACTORS 3.2

FIG. 4 CLASS A-IV



LOAD FACTORS 4.5

FIG. 5 CLASS A-V

LOAD FACTOR: 2.2, 2.7, 2.8, 3.4 & 4.5
CLASS A: CONCRETE CRADLE, ARCH & ENCASMENT

BEDDING: 560 C 3000 CONCRETE

AFTER INITIAL SET OF THE CONCRETE, BACKFILL MATERIAL SHOULD BE PLACED TO ONE FOOT OVER THE CONDUIT. THE BACKFILL ABOVE THIS POINT SHOULD NOT BE PLACED NOR SHEETING REMOVED UNTIL AT LEAST 48 HOURS AFTER PLACEMENT OF THE BEDDING OR ENCASMENT. SUCH BACKFILL MAY BE PLACED AND SHEETING PULLED AFTER 24 HOURS IF THE EARLY STRENGTH OF THE CONCRETE IS INCREASED IN ACCORDANCE WITH THE ENGINEER'S APPROVAL.



CITY OF

LOAD FACTOR-CLASS A

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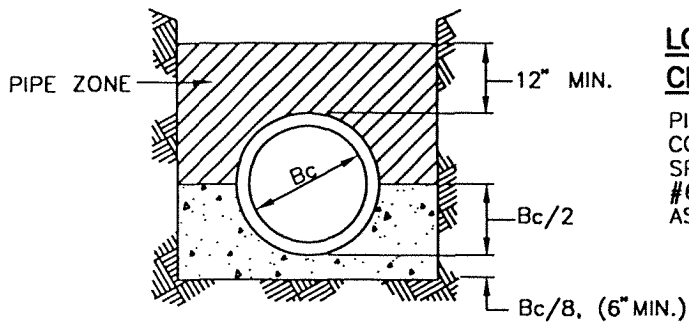
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STANDARD PLAN
2002

PLATE 528

SHEET 1 OF 2



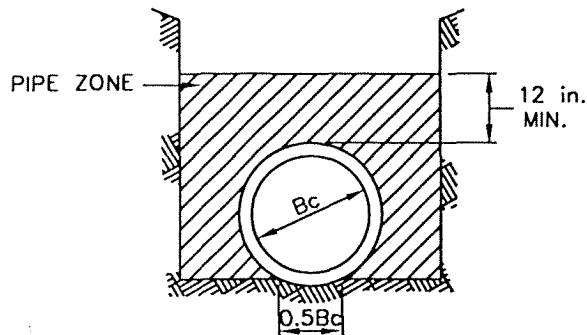
LOAD FACTOR 1.9

FIG. 6 CLASS B

LOAD FACTOR: 1.9

CLASS B FIGURE 6:

PIPE IS BEDDED IN ANGULAR BEDDING MATERIAL, CONFORMING TO ASTM D448 "STANDARD SPECIFICATION FOR COARSE AGGREGATE" SIZE #67 OR OTHER SUITABLE MATERIALS AND METHODS, AS APPROVED BY THE ENGINEER.



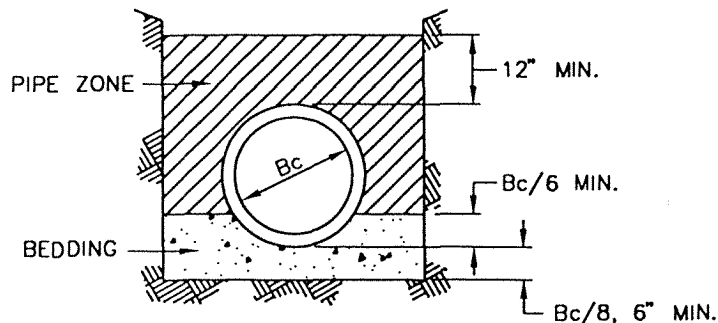
LOAD FACTOR 1.5
SHAPED BOTTOM

FIG. 7 CLASS C

LOAD FACTOR: 1.5

CLASS C FIGURE 7 OR 8:

PIPE IS BEDDED IN GRANULAR MATERIAL PLACED ON A FLAT TRENCH BOTTOM OR ON A SUITABLE UNDISTURBED NATIVE MATERIAL WHICH HAS BEEN HAND SHAPED TO FIT THE PIPE BARREL FOR A WIDTH OF ONE-HALF THE OUTSIDE DIAMETER OF THE PIPE. BEDDING MATERIAL MAY BE CRUSHED STONE, ROUNDED GRAVEL, SHELLS, PEA GRAVEL, SAND OR OTHER LOCALLY AVAILABLE AND COMMONLY USED NON-COHESIVE MATERIALS.



LOAD FACTOR 1.5

FIG. 8 CLASS C

NOTES:

1. ALWAYS PROVIDE UNIFORM AND CONTINUOUS SUPPORT OF PIPE BARREL FOR ALL CLASSES OF BEDDING.
2. BEDDING MATERIALS SHALL MEET SSPWC (GREEN BOOK) SPECIFICATIONS.
3. LOAD FACTOR 1.1 CLASS D IS NOT ALLOWED.



CITY OF

LOAD FACTORS—CLASS B, C & D

STANDARD PLAN
2002

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PLATE 528

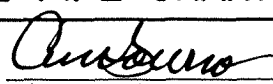
SHEET 2 OF 2

REV.	APPR. BY	DATE

REV.	APPR. BY	DATE

PIPE I.D.	MAX. TRENCH WIDTH	RC STORM DRAIN ASTM C-76 & BEDDING FACTOR										
		CL. II = 1000D		CL. III = 1350D			CL. IV = 2000D			CL. V = 3000D		
		1.9	3.0	1.5	1.9	3.0	1.5	1.9	3.0	1.5	1.9	3.0
18"	34"	9	30+	NL	20	30+	14	30+	30+	30+	30+	30+
	40"	6	16	NL	12	30+	8	30	30+	18	30+	30+
	46"	5	10	NL	8	18	6	16	30+	12	30+	30+
	52"	5	9	NL	7	14	6	12	30	10	26	30+
	58"	5	9	NL	7	12	6	12	20	10	18	30+
	64"	5	9	NL	7	12	6	12	18	10	18	30+
	70"+	5	9	NL	7	12	6	12	18	10	18	28
24"	41"	9	30	NL	18	30+	14	30+	30+	30+	30+	30+
	47"	7	16	NL	12	30+	9	30	30+	20	30+	30+
	53"	5	12	NL	9	20	7	18	30+	14	30+	30+
	59"	5	10	NL	7	16	6	14	30+	12	30+	30+
	65"	5	9	NL	7	12	6	12	26	10	22	30+
	71"	5	9	NL	7	12	6	12	20	10	18	30+
	77"	5	9	NL	7	12	6	12	18	10	18	30+
30"	83"+	5	9	NL	7	12	6	12	18	10	18	28
	49"	9	24	6	18	30+	*12	30+	30+	30+	30+	30+
	55"	7	16	NL	12	30+	*9	28	30+	20	30+	30+
	61"	6	14	NL	10	22	*8	20	30+	16	30+	30+
	67"	5	10	NL	8	18	*7	16	30+	12	30+	30+
	73"	5	9	NL	7	14	*6	14	28	10	26	30+
	79"	5	9	NL	7	12	*6	12	22	10	20	30+
36"	85"	5	9	NL	7	12	*6	12	20	10	18	30+
	91"	5	9	NL	7	12	*6	12	18	10	18	30+
	97"+	5	9	NL	7	12	*6	12	18	10	18	28
	56"	9	22	6	16	30+	*12	30+	30+	28	30+	30+
	62"	8	16	4	12	30	*10	26	30+	20	30+	30+
	68"	6	14	4	10	22	*8	20	30+	16	30+	30+
	74"	6	12	4	9	18	*7	16	30+	14	30+	30+
42"	80"	6	10	4	8	16	*7	14	30	12	28	30+
	86"	6	9	4	8	14	*7	12	26	10	24	30+
	92"	6	9	4	8	12	*7	12	22	10	20	30+
	98"	6	9	4	8	12	*7	12	20	10	18	30+
	104"	6	9	4	8	12	*7	12	18	10	18	30+
	110"+	6	9	4	8	12	*7	12	18	10	18	28
	63"	9	22	6	16	30+	*12	30+	30+	26	30+	30+
48"	69"	8	16	5	14	30	*10	26	30+	20	30+	30+
	81"	6	12	4	10	20	*8	18	30+	14	30+	30+
	87"	6	10	4	9	16	*7	16	30+	12	30	30+
	99"	6	9	4	8	14	*7	12	24	10	22	30+
	105"	6	9	4	8	12	*7	12	20	10	20	30+
	123"+	6	9	4	8	12	*7	12	18	10	18	28
	71"	9	20	6	16	30+	*12	30+	30+	24	30+	30+
54"	77"	8	16	5	14	28	*10	26	30+	20	30+	30+
	83"	7	14	5	12	24	*9	20	30+	16	30+	30+
	89"	6	12	5	10	20	*8	18	30+	14	30+	30+
	101"	6	10	5	9	16	*7	14	28	12	26	30+
	107"	6	10	5	9	14	*7	12	26	10	24	30+
	119"	6	10	5	9	12	*7	12	20	10	18	30+
	137"+	6	10	5	9	12	*7	12	18	10	18	28
54"	78"	9	20	6	16	30+	*12	30	30+	24	30+	30+
	84"	8	16	5	14	28	*10	24	30+	20	30+	30+
	96"	7	14	5	10	20	*8	18	30+	16	30+	30+
	102"	7	12	5	10	18	*8	16	30+	14	30	30+
	108"	7	10	5	9	16	*8	14	30	12	28	30+
	114"	7	10	5	9	14	*8	14	26	12	24	30+
	126"	7	10	5	9	12	*8	12	22	10	20	30+
54"	132"	7	10	5	9	12	*8	12	20	10	18	30+
	150"+	7	10	5	9	12	*8	12	18	10	18	28
MIN. COVER		3	2	3	2	2	3	2	1	2	1	1

- NOTES: 1. Numbers preceded by an asterisk (*) indicate minimum cover may be reduced 1 ft.
2. Numbers in tables indicate maximum allowable cover on pipe in feet. Standard highway loading is included.
3. NL = No load allowed on pipe in this category.

	CITY OF		REINFORCED CONCRETE PIPE CHART		STANDARD PLAN 2002
	DRAWN: STAFF		CKD.: STAFF/ <u>LB</u>		PLATE 529
	Department of Public Works		APPR.  Granville M. Bowman		SHEET 1 OF 2

PIPE I.D.	MAX. TRENCH WIDTH	RC STORM DRAIN ASTM C-76 & BEDDING FACTOR										
		CL. II = 1000D		CL. III = 1350D			CL. IV = 2000D			CL. V = 3000D		
		1.9	3.0	1.5	1.9	3.0	1.5	1.9	3.0	1.5	1.9	3.0
60"	85"	9	20	6	16	30+	*12	28	*30+	22	*30+	*30+
	91"	8	16	5	14	26	*10	24	*30+	20	*30+	*30+
	97"	8	14	5	12	24	*9	22	*30+	18	*30+	*30+
	103"	7	14	5	10	20	*9	18	*30+	16	*30+	*30+
	109"	7	12	5	10	18	*8	16	*30+	14	*30	*30+
	121"	7	10	5	9	16	*8	14	*28	12	*26	*30+
	127"	7	10	5	9	14	*8	14	*24	12	*22	*30+
	133"	7	10	5	9	14	*8	12	*22	12	*22	*30+
	145"	7	10	5	9	12	*8	12	*20	12	*18	*30+
	163"+	7	10	5	9	12	*8	12	*18	12	*18	*28
66"	93"	9	18	6	14	30	*12	28	*30+	22	*30+	*30+
	99"	8	16	5	14	26	*10	24	*30+	20	*30+	*30+
	105"	8	14	5	12	24	*10	22	*30+	18	*30+	*30+
	111"	7	14	5	12	20	*9	18	*30+	16	*30+	*30+
	123"	7	12	5	9	18	*8	16	*30	14	*28	*30+
	129"	7	10	5	9	16	*8	14	*28	12	*26	*30+
	135"	7	10	5	9	14	*8	14	*26	12	*24	*30+
	147"	7	10	5	9	14	*8	12	*22	12	*20	*30+
	159"	7	10	5	9	14	*8	12	*20	12	*18	*30+
	177"+	7	10	5	9	14	*8	12	*18	12	*18	*28
72"	100"	9	18	6	14	30	*12	26	*30+	22	*30+	*30+
	106"	9	16	5	14	26	*10	24	*30+	18	*30+	*30+
	112"	8	16	5	12	24	*10	22	*30+	18	*30+	*30+
	118"	7	14	5	12	20	*9	20	*30+	16	*30+	*30+
	124"	7	12	5	10	20	*8	18	*30+	14	*30	*30+
	136"	7	12	5	10	16	*8	16	*28	12	*26	*30+
	148"	7	10	5	10	14	*8	14	*24	12	*22	*30+
	160"	7	10	5	10	14	*8	14	*22	12	*20	*30+
	178"	7	10	5	10	14	*8	14	*18	12	*18	*30
	190"	7	10	5	10	14	*8	14	*18	12	*18	*28
78"	107"	9	18	6	14	*28	*12	26	*30+	NA	NA	NA
	113"	9	16	6	14	*26	*10	24	*30+	NA	NA	NA
	125"	7	14	5	12	*22	*9	20	*30+	NA	NA	NA
	131"	7	14	5	10	*20	*9	18	*30+	NA	NA	NA
	137"	7	12	5	10	*18	*8	16	*30	NA	NA	NA
	143"	7	12	5	10	*16	*8	16	*28	NA	NA	NA
	155"	7	12	5	10	*14	*8	14	*26	NA	NA	NA
	161"	7	12	5	10	*14	*8	14	*24	NA	NA	NA
	173"	7	12	5	10	*14	*8	14	*20	NA	NA	NA
	185"	7	12	5	10	*14	*8	14	*18	NA	NA	NA
84"	114"	9	18	6	14	*28	*12	*26	*30+	NA	NA	NA
	120"	9	16	6	14	*26	*10	*22	*30+	NA	NA	NA
	126"	8	16	5	12	*22	*10	*20	*30+	NA	NA	NA
	138"	7	14	5	10	*20	*9	*18	*30+	NA	NA	NA
	144"	7	12	5	10	*18	*9	*16	*30	NA	NA	NA
	156"	7	12	5	10	*16	*9	*14	*28	NA	NA	NA
	162"	7	12	5	10	*16	*9	*14	*26	NA	NA	NA
	168"	7	12	5	10	*14	*9	*14	*24	NA	NA	NA
	180"	7	12	5	10	*14	*9	*14	*22	NA	NA	NA
	186"+	7	12	5	10	*14	*9	*14	*20	NA	NA	NA
90"	122"	9	18	6	14	*28	NA	NA	NA	NA	NA	NA
	128"	9	16	6	14	*24	NA	NA	NA	NA	NA	NA
	146"	7	14	5	12	*20	NA	NA	NA	NA	NA	NA
	158"	7	12	5	10	18	NA	NA	NA	NA	NA	NA
	170"	7	12	5	10	16	NA	NA	NA	NA	NA	NA
	176"	7	12	5	10	14	NA	NA	NA	NA	NA	NA
MIN. COVER		3	2	3	2	2	3	2	1	2	1	1

- NOTES: 1. Numbers preceded by an asterisk (*) indicate minium cover may be reduced 1 ft.
2. Numbers in tables indicate maximum allowable cover on pipe in feet. Standard highway loading is included.
3. NA = Pipe size not available in this class.

	CITY OF		REINFORCED CONCRETE PIPE CHART		STANDARD PLAN 2002
	DRAWN: STAFF		CKD.: STAFF <i>LB</i>		PLATE 529
Department of Public Works			APPR. <i>Granville M. Bowman</i> Granville M. Bowman		SHEET 2 OF 2

REQUIRED "D" LOAD FOR R.C.P. & BEDDING FACTOR = 1.5

PIPE SIZE (INCH)	DEPTH OF COVER IN FEET												PIPE SIZE (INCH)
	0.5	1.0	1.5	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	
15	CONC. ENC.	3,000	2,500	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	15
18	4,000												18
21	3,500												21
24													24
27				1,750	1,750	1,750	1,750	1,750					27
30													30
33					1,500	1,500	1,500	1,500					33
36													36
39	3,250	2,750	2,250	1,500	1,350	1,350	1,350	1,350					39
42													42
45													45
48													48
51	3,000	2,500	2,000										51
54													54
57													57
60													60
63	2,750	2,250	1,750										63
66													66
69													69
72													72
75													75
78	2,500	2,000	1,500										78
81													81
84													84
87													87
90													90
93													93
96													96

NOTES:

1. LIVE LOAD = 1 H-20, S-16, TRUCK. EARTH LOAD = 110 P.C.F. (MARSTON'S FORMULA). SAFTY FACTOR = 1.25 MIN.
2. THIS IS TO BE USED FOR AVERAGE SOIL CONDITIONS. INCREASE WHERE SOIL ANAYLSIS INDICATES GREATER EARTH LOADS. WHERE SOILS HAVING LOW COHESIVE VALUES EXIST, USE D-LOADS CALCULATED FOR PROJECTION CONDITION.
3. SEE PLATE 529 FOR PIPE CLASS.



CITY OF

"D" LOAD TABLE FOR DESIGN OF R.C.P.

STANDARD PLAN
2002

DRAWN: STAFF

CKD.: STAFF *LB*

Department of Public Works

APPR.

Granville M. Bowman
Granville M. Bowman

PLATE 530

SHEET 1 OF 3

REQUIRED "D" LOAD FOR R.C.P. & BEDDING FACTOR = 1.9

PIPE SIZE (INCH)	DEPTH OF COVER IN FEET												PIPE SIZE (INCH)
	0.5	1.0	1.5	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	
15	CONC. ENC.	2,500	2,000	1,500	1,350	1,350	1,350	1,350	1,500	1,500	1,500	1,500	15
18	3,000	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	18
21	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	21
24	2,750	2,250	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	24
27	↓	↓	↓	↓	↓	1,200	1,200	1,200	↓	↓	↓	↓	27
30	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	30
33	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	33
36	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	36
39	2,500	2,000	1,750	↓	1,100	1,100	1,100	1,100	↓	↓	↓	↓	39
42	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	42
45	2,250	1,750	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	45
48	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	48
51	2,000	1,500	1,500	1,350	↓	↓	↓	↓	↓	↓	↓	↓	51
54	↓	↓	1,400	↓	↓	↓	↓	↓	↓	↓	↓	↓	54
57	1,750	1,400	1,350	↓	↓	↓	↓	↓	↓	↓	↓	↓	57
60	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	60
63	1,500	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	63
66	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	66
69	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	69
72	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	72
75	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	75
78	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	78
81	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	81
84	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	84
87	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	87
90	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	90
93	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	93
96	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	96

NOTES:

1. LIVE LOAD = 1 H-20, S-16, TRUCK. EARTH LOAD = 110 P.C.F. (MARSTON'S FORMULA). SAFTY FACTOR = 1.25 MIN.
2. THIS IS TO BE USED FOR AVERAGE SOIL CONDITIONS. INCREASE WHERE SOIL ANALYSIS INDICATES GREATER EARTH LOADS. WHERE SOILS HAVING LOW COHESIVE VALUES EXIST, USE D-LOADS CALCULATED FOR PROJECTION CONDITION.
3. SEE PLATE 529 FOR PIPE CLASS.



CITY OF

"D" LOAD TABLE FOR DESIGN OF R.C.P.

DRAWN: STAFF

CKD.: STAFF *LB*

Department of Public Works

APPR.

Granville M. Bowman
Granville M. Bowman

STANDARD PLAN
2002

PLATE 530

SHEET 2 OF 3

REQUIRED "D" LOAD FOR R.C.P. & BEDDING FACTOR = 3.0

PIPE SIZE (INCH)	DEPTH OF COVER IN FEET												PIPE SIZE (INCH)
	0.5	1.0	1.5	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	
15	2,500	2,000	1,500	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	15
18													18
21													21
24													24
27		1,750	1,350										27
30													30
33													33
36													36
39			1,200										39
42													42
45													45
48													48
51	2,000	1,500	1,000										51
54													54
57													57
60													60
63													63
66													66
69													69
72													72
75													75
78													78
81													81
84													84
87													87
90													90
93													93
96													96

NOTES:

1. LIVE LOAD = 1 H-20, S-16, TRUCK. EARTH LOAD = 110 P.C.F. (MARSTON'S FORMULA). SAFTY FACTOR = 1.25 MIN.
2. THIS IS TO BE USED FOR AVERAGE SOIL CONDITIONS. INCREASE WHERE SOIL ANAYLYSIS INDICATES GREATER EARTH LOADS. WHERE SOILS HAVING LOW COHESIVE VALUES EXIST, USE D-LOADS CALCULATED FOR PROJECTION CONDITION.
3. SEE PLATE 529 FOR PIPE CLASS.



CITY OF

"D" LOAD TABLE FOR DESIGN OF R.C.P.

STANDARD PLAN
2002

DRAWN: STAFF

CKD.: STAFF *LB*

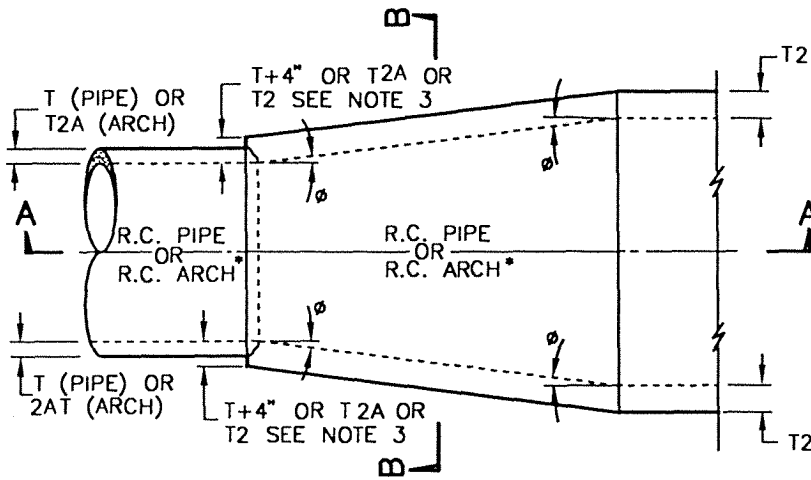
Department of Public Works

APPR.

Granville M. Bowmon
Granville M. Bowmon

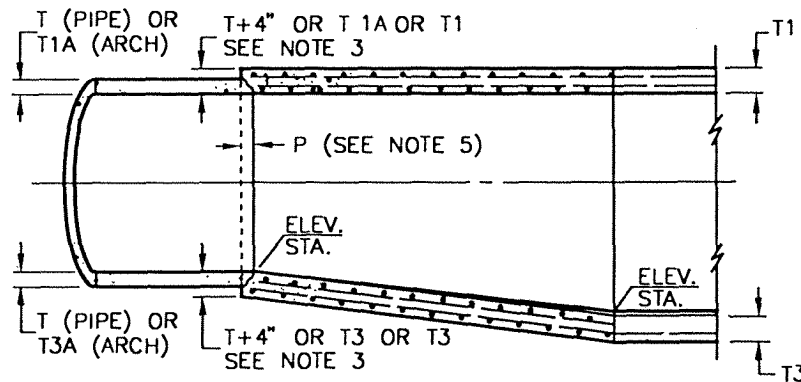
PLATE 530

SHEET 3 OF 3

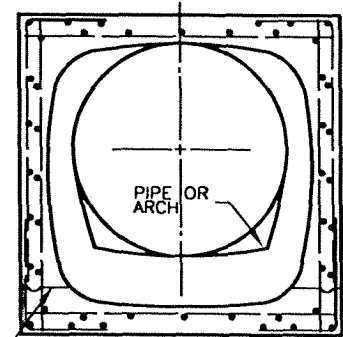


PLAN

* ARCH MAY HAVE A HORSESHOE-SHAPED, CIRCULAR, ELLIPTICAL OR SIMILAR CROSS-SECTION.



SECTION A-A



OPTIONAL CONSTRUCTION JOINT:
BOX OR ARCH TO PIPE - USE
CONSTRUCTION JOINT OF BOX
OR ARCH.
BOX TO ARCH-USE CONSTRUCTION
JOINT OF BOX.

SECTION B-B

NOTES:

1. THE HORIZONTAL ANGLE OF DIVERGENCE OR CONVERGENCE, ϕ , SHALL NOT TO EXCEED 5 DEGREES 45 MINUTES.
2. REINFORCING STEEL BAR SIZES, SPACING, PATTERN AND COVER OVER THE STEEL SHALL BE AS FOLLOWS:
BOX TO PIPE AND BOX TO ARCH-THAT OF BOX SECTION.
ARCH TO PIPE-THAT OF ARCH SECTION.
ARCH TO ARCH-THAT OF ARCH SECTION HAVING THE THICKER WALLS.
THE BAR LENGTHS SHALL VARY UNIFORMLY THROUGHOUT THE TRANSITION.
3. THE CONCRETE THICKNESS SHALL BE AS FOLLOWS:
BOX TO PIPE AND ARCH TO PIPE-THAT OF ARCH OR BOX SECTION UNLESS THE WALL THICKNESS OF THE PIPE PLUS 4 INCHES IS GREATER, IN WHICH CASE THE CONCRETE THICKNESS SHALL VARY UNIFORMLY FROM THAT OF THE ARCH OR BOX SECTION TO THAT OF THE PIPE WALL PLUS 4 INCHES.
BOX TO ARCH AND ARCH TO ARCH-THAT OF THE ADJOINING BOX OR ARCH SECTION AT EACH END OF THE TRANSITION AND SHALL VARY UNIFORMLY BETWEEN THE TWO ENDS.
4. THE INTERIOR SURFACE SHALL BE SMOOTH AND VARY UNIFORMLY BETWEEN THE TWO ADJOINING SECTIONS.
5. AT PIPE JUNCTURE, EMBEDMENT P SHALL BE 5 INCHES FOR PIPE SIZES OF 96 INCHES OR LESS, AND 8 INCHES FOR PIPE SIZES OVER 96 INCHES.
6. $f'c=4000$ PSI AT 28 DAYS .
7. KEYED CONSTRUCTION JOINTS OF THE SAME DIMENSIONS AS THOSE OF THE BOX OR ARCH SECTION MAY BE CARRIED THROUGH THE TRANSITION STRUCTURE AT THE CONTRACTOR'S OPTION. SEE SECTION B-B HEREON.
8. THE TRANSITION STRUCTURE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE GENERAL STRUCTURAL NOTES APPLYING TO BOX OR ARCH STRUCTURES SHOWN ON THE PROJECT DRAWINGS.
9. ALL STEEL, EXCEPT LONGITUDINAL STEEL SHALL BE GRADE 60 BILLET STEEL CONFORMING TO ASTM A 615 AND SHALL TERMINATE $1\frac{1}{2}$ " CLEAR OF CONCRETE SURFACE UNLESS OTHERWISE SHOWN.

CITY OF
Oxnard

TRANSITION STRUCTURE No. 1
PIPE TO BOX
DRAWN: STAFF CKD.: STAFF
Department of Public Works

APPR.

Granville M. Bowman

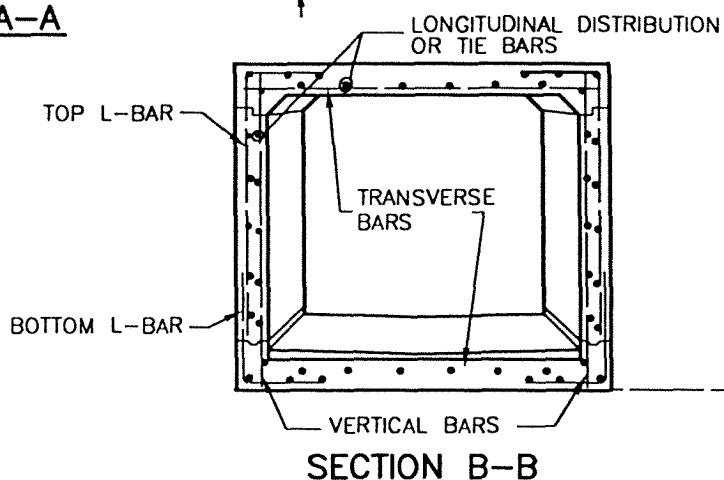
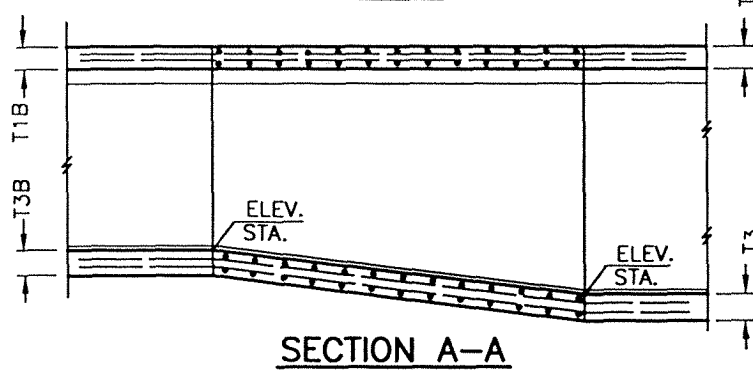
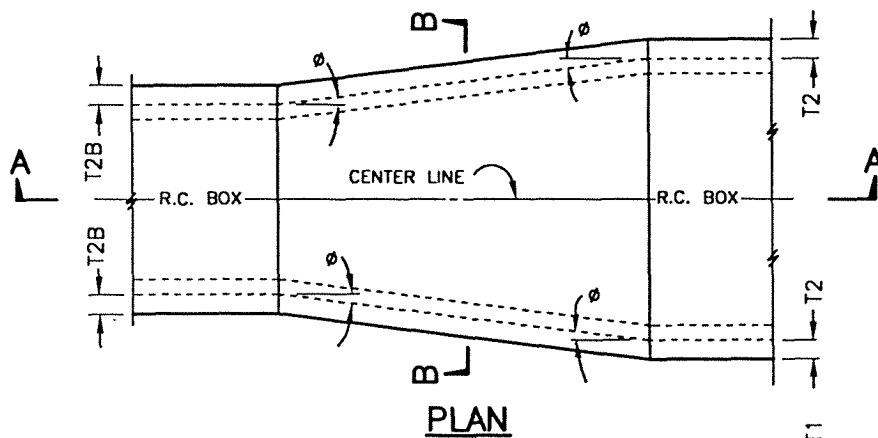
STANDARD PLAN
2002

PLATE 531

SHEET 1 OF 1

REV.	APPR. BY	DATE

REV.	APPR. BY	DATE

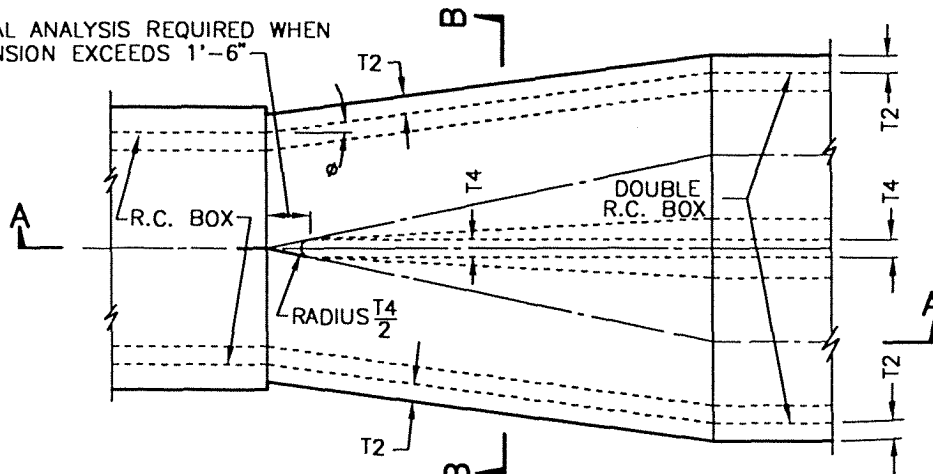


NOTES:

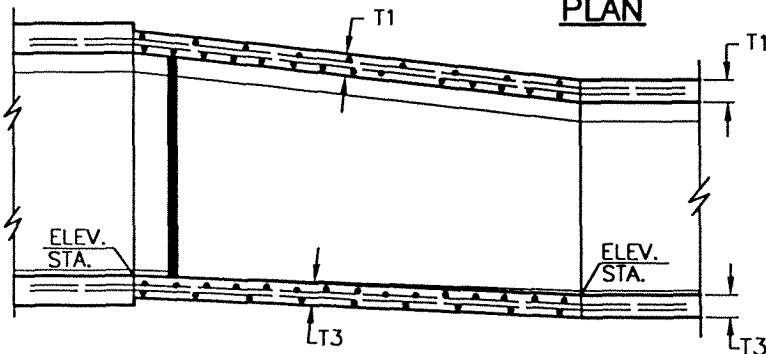
1. THE HORIZONTAL ANGLE OF DIVERGENCE OR CONVERGENCE, ϕ , SHALL NOT EXCEED 5 DEGREES 45 MINUTES.
2. THE REINFORCING STEEL BAR SIZE, SPACING, AND COVER OVER THE STEEL OF STRAIGHT TRANSVERSE BARS IN TOP OR BOTTOM SLABS, OF L-BARS IN TOP OR BOTTOM CORNERS, OF STRAIGHT VERTICAL BARS IN SIDE WALLS AND OF LONGITUDINAL DISTRIBUTION AND TIE BARS IN TOP OR BOTTOM SLABS OR SIDE WALLS SHALL BE THOSE OF WHICHEVER ADJOINING BOX SECTION PROVIDES THE GREATER STEEL AREA FOR EACH TYPE OF BAR. THE BAR LENGTHS SHALL VARY UNIFORMLY THROUGHOUT THE TRANSITION.
3. THE THICKNESS OF THE WALLS AND SLABS SHALL BE THOSE OF THE ADJOINING BOX SECTION AT EACH END OF THE TRANSITION AND SHALL VARY UNIFORMLY BETWEEN THE TWO ENDS.
4. $f'_c = 4000$ PSI AT 28 DAYS.
5. THE TRANSITION STRUCTURE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE GENERAL STRUCTURE NOTES APPLYING TO BOX STRUCTURES, SHOWN ON THE PROJECT DRAWINGS.
6. DETAILS OF CONSTRUCTION JOINTS AND KEYWAYS SHALL BE AS SHOWN ON THE PROJECT DRAWINGS FOR SINGLE BARREL BOX STRUCTURES.
7. ALL STEEL, EXCEPT LONGITUDINAL STEEL SHALL BE GRADE 60 BILLET STEEL CONFORMING TO ASTM A 615 AND SHALL TERMINATE $1\frac{1}{2}$ " CLEAR OF CONCRETE SURFACE UNLESS OTHERWISE SHOWN.

 CITY OF	TRANSITION STRUCTURE No. 2 SINGLE BOX TO SINGLE BOX		STANDARD PLAN 2002	
	DRAWN: STAFF	CKD.: STAFF <i>LD</i>	APPR. <i>Granville M. Bowman</i>	PLATE 532
	Department of Public Works			SHEET 1 OF 1

STRUCTURAL ANALYSIS REQUIRED WHEN
THIS DIMENSION EXCEEDS 1'-6"

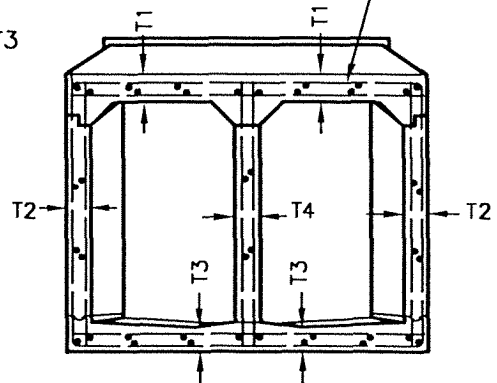


PLAN



SECTION A-A

STEEL PATTERN SHOWN IS PICTORIAL
ONLY. SEE PROJECT DRAWINGS FOR
ACTUAL LAYOUT.



SECTION B-B

NOTES:

1. THE HORIZONTAL ANGLE OF DIVERGENCE OR CONVERGENCE, ϕ , SHALL NOT EXCEED 5 DEGREES 45 MINUTES.
2. REINFORCING STEEL BAR SIZE, SPACING AND OUTSIDE COVER SHALL BE THAT OF DOUBLE BOX SECTION. FOR CURVED TRANSITIONS, SPACE BARS ON CENTER LINE AND PLACE TRANSVERSE RADIALLY. THE BAR LENGTHS AND DIMENSIONS SHALL VARY UNIFORMLY THROUGHOUT TRANSITION. LONGITUDINAL BARS SHALL BE CONTINUED THROUGH THE JOINTS WITH THE TRANSITION STRUCTURE.
3. THE CONCRETE THICKNESS SHALL BE THAT OF THE DOUBLE BOX SECTION.
4. PLAN AS SHOWN IS FOR DOUBLE BOX SECTION DOWNSTREAM. WHEN DOUBLE BOX SECTION IS UPSTREAM, TAPER THE LAST 2 FEET OF CENTER WALL TO END IN $1\frac{1}{2}$ INCH RADIUS.
5. $f'_c = 4000$ AT 28 DAYS .
6. TRANSVERSE JOINT KEYWAYS, AS DETAILED FOR LONGITUDINAL JOINT KEYWAYS AT BASE OF OUTLET WALLS ON THE PROJECT DRAWINGS, SHALL BE PLACED IN BOTH SLABS AND WALLS AT THE END OF EACH POUR.
7. ALL STEEL, EXCEPT LONGITUDINAL STEEL SHALL BE GRADE 60 BILLET STEEL CONFORMING TO ASTM A 615 AND SHALL TERMINATE $1\frac{1}{2}$ " CLEAR OF CONCRETE SURFACE UNLESS OTHERWISE SHOWN.



CITY OF

TRANSITION STRUCTURE No. 3
SINGLE BOX TO DOUBLE BOX

DRAWN: STAFF

CKD.: STAFF

Department of Public Works

APPR.

Granville M. Bowman

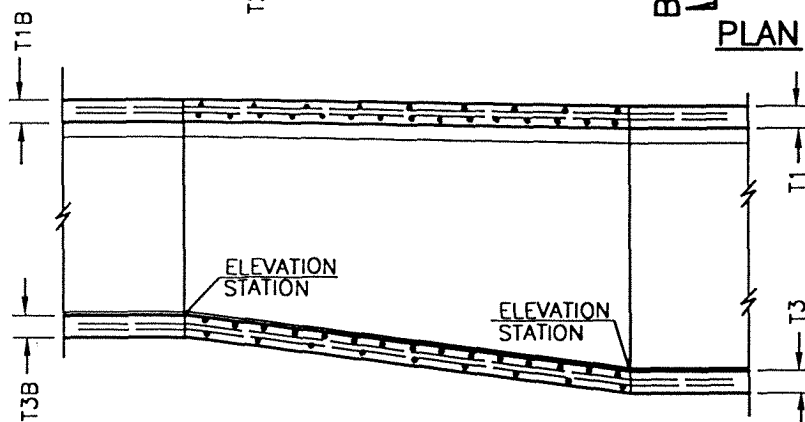
STANDARD PLAN
2002

PLATE 533

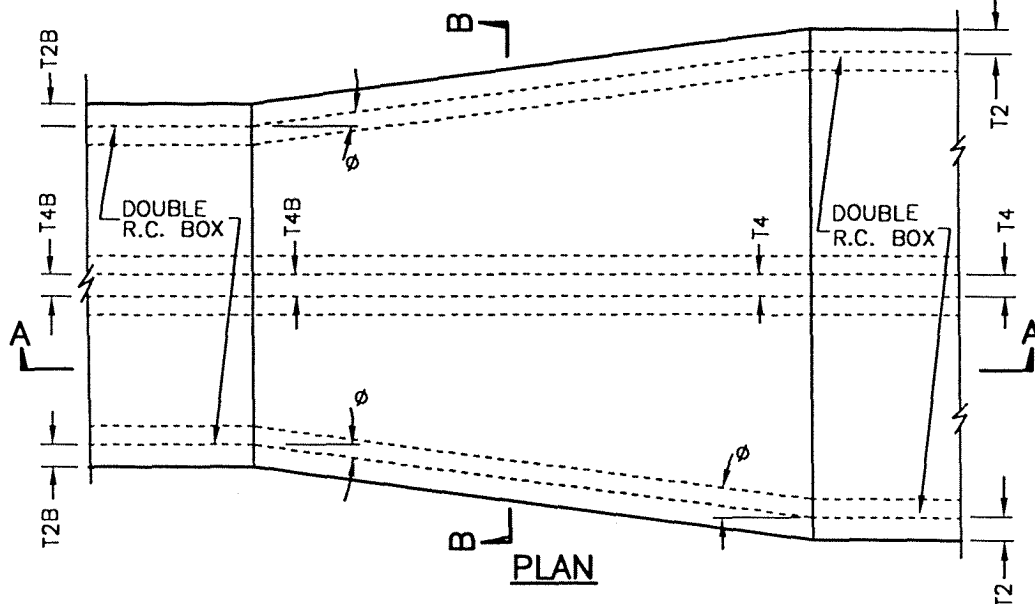
SHEET 1 OF 1

REV.	APPR. BY	DATE

REV.	APPR. BY	DATE

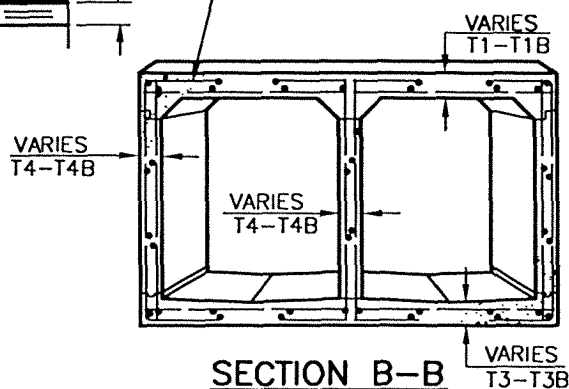


SECTION A-A



PLAN

STEEL PATTERN SHOWN IS PICTORIAL ONLY. SEE PROJECT DRAWINGS FOR ACTUAL LAYOUT.



SECTION B-B

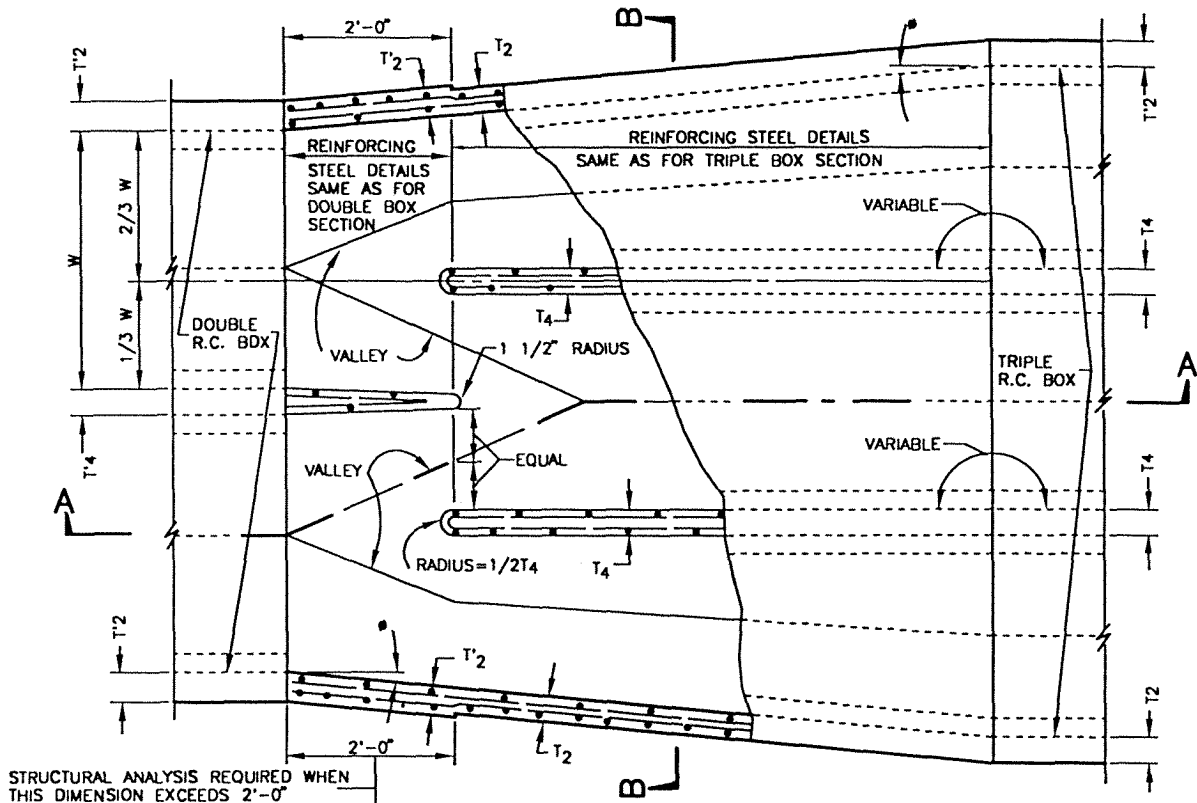
NOTES:

1. HORIZONTAL ANGLE OF DIVERGENCE OR CONVERGENCE, ϕ , SHALL NOT EXCEED 5 DEGREES 45 MINUTES.
2. REINFORCING STEEL BAR SIZE, SPACING, LENGTHS, AND OUTSIDE COVER SHALL BE THAT OF WHICHEVER ADJOINING BOX SECTION PROVIDES THE BOX SECTION PROVIDES THE GREATER STEEL AREA FOR EACH TYPE OF BAR. LONGITUDINAL BARS SHALL BE CONTINUED THROUGH THE JOINTS WITH THE TRANSITION STRUCTURE.
3. THE THICKNESS OF THE WALLS AND SLABS SHALL BE THOSE OF THE ADJOINING BOX SECTION AT EACH END OF THE TRANSITION AND SHALL VARY UNIFORMLY BETWEEN THE TWO ENDS.
4. $f'_c = 4000$ PSI AT 28 DAYS .
5. TRANSVERSE JOINT KEYWAYS, AS DETAILED FOR LONGITUDINAL JOINT KEYWAYS AT BASE OF OUTER WALLS ON THE PROJECT DRAWINGS, SHALL BE PLACED IN BOTH SLABS AND WALLS AT THE END OF EACH POUR.
6. THE TRANSITION STRUCTURE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE GENERAL STRUCTURAL NOTES APPLYING TO BOX STRUCTURES SHOWN ON THE PROJECT DRAWINGS.
7. ALL STEEL, EXCEPT LONGITUDINAL STEEL SHALL BE GRADE 60 BILLET STEEL CONFORMING TO ASTM A 615 AND SHALL TERMINATE $1\frac{1}{2}$ " CLEAR OF CONCRETE SURFACE UNLESS OTHERWISE SHOWN.

	CITY OF TRANSITION STRUCTURE No. 4 DOUBLE BOX TO DOUBLE BOX		STANDARD PLAN 2002
	DRAWN: STAFF	CKD.: STAFF <i>LD</i>	APPR. <i>Granville M. Bowman</i> Granville M. Bowman	PLATE 534 SHEET 1 OF 1

REV.	APPR. BY	DATE

REV.	APPR. BY	DATE



SECTIONAL PLAN

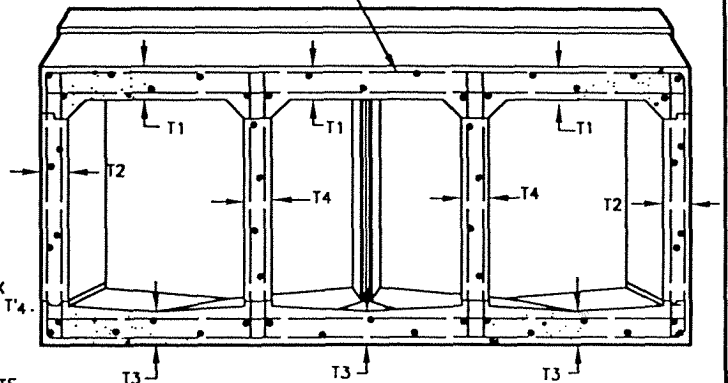
TRANSVERSE JOINT KEYWAYS, AS DETAILED FOR LONGITUDINAL JOINT KEYWAYS AT BASE OF OUTER WALLS ON THE PROJECT DRAWINGS, SHALL BE PLACED IN BOTH SLABS AND WALLS AT THE END OF EACH POUR.

NOTES:

1. HORIZONTAL ANGLE OF DIVERGENCE OR CONVERGENCE, θ , SHALL NOT EXCEED 5 DEGREE 45 MINUTES.
2. REINFORCING STEEL BAR SIZE, SPACING, AND OUTSIDE COVER SHALL BE THAT OF THE ADJOINING BOX SECTION WITHIN THE LIMITS INDICATED ON THE DRAWING. FOR CURVED TRANSITIONS SPACE BARS ON CENTER LINE, AND PLACE TRANSVERSE STEEL RADIALLY. BARS LENGTHS AND DIMENSIONS SHALL VARY UNIFORMLY THROUGHOUT TRANSITION. LONGITUDINAL BARS SHALL BE CONTINUED THROUGH THE JOINTS WITH THE TRANSITION STRUCTURE.
3. CONCRETE THICKNESS SHALL BE THAT OF ADJOINING BOX SECTION WITHIN THE LIMITS INDICATED ON THE DRAWING.
4. PLAN AS SHOWN IS FOR TRIPLE BOX SECTION DOWNSTREAM. WHEN TRIPLE BOX SECTION IS UPSTREAM, REVERSE THE RADIUS AT THE ENDS OF DIVISION WALLS AS FOLLOWS:
 - a) TAPER THE LAST TWO FEET OF TRIPLE BOX DIVISION WALLS TO END IN 1 1/2 INCH RADIUS.
 - b) THE TWO FOOT EXTENSION OF CENTER WALL OF DOUBLE BOX TO BE OF UNIFORM THICKNESS, T_4 , ENDING IN RADIUS 1/2 T_4 .
5. $f'_c = 4000$ PSI AT 28 DAYS.
6. ALL STEEL, EXCEPT LONGITUDINAL STEEL SHALL BE GRADE 60 BILLET STEEL CONFORMING TO ASTM A615 AND SHALL TERMINATE 1 1/2' CLEAR OF CONCRETE SURFACE UNLESS OTHERWISE SHOWN.

SECTION A-A

STEEL PATTERN SHOWN IS PICTORIAL ONLY. SEE PROJECT DRAWINGS FOR ACTUAL STEEL LAYOUT.

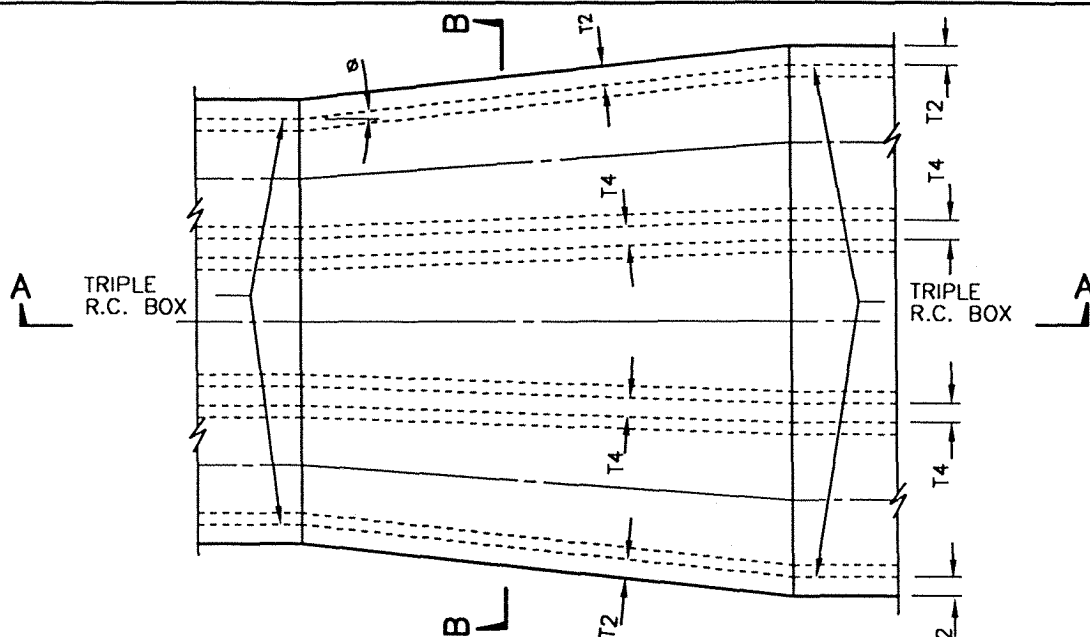


SECTION B-B

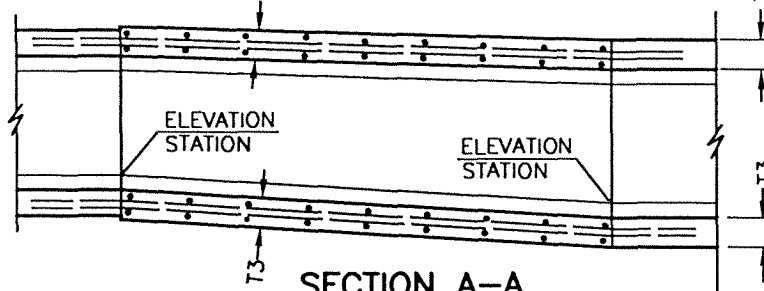
	TRANSITION STRUCTURE No. 5 DOUBLE BOX TO TRIPLE BOX		STANDARD PLAN 2002
	DRAWN: STAFF	CKD.: STAFF <i>LB</i>	 APPR. Granville M. Bowman
	Department of Public Works		
			PLATE 535 SHEET 1 OF 1

REV.	APPR.	BY	DATE

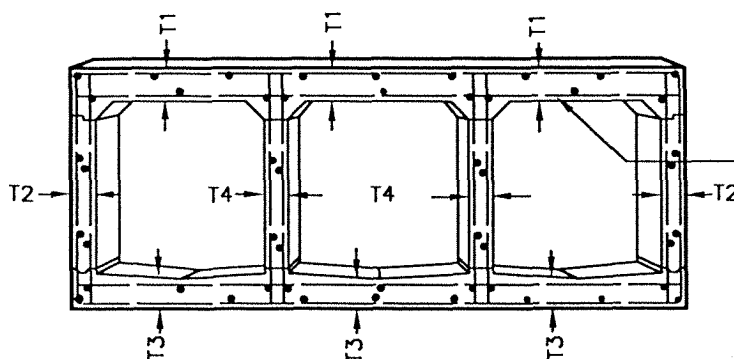
REV.	APPR.	BY	DATE



PLAN



SECTION A-A



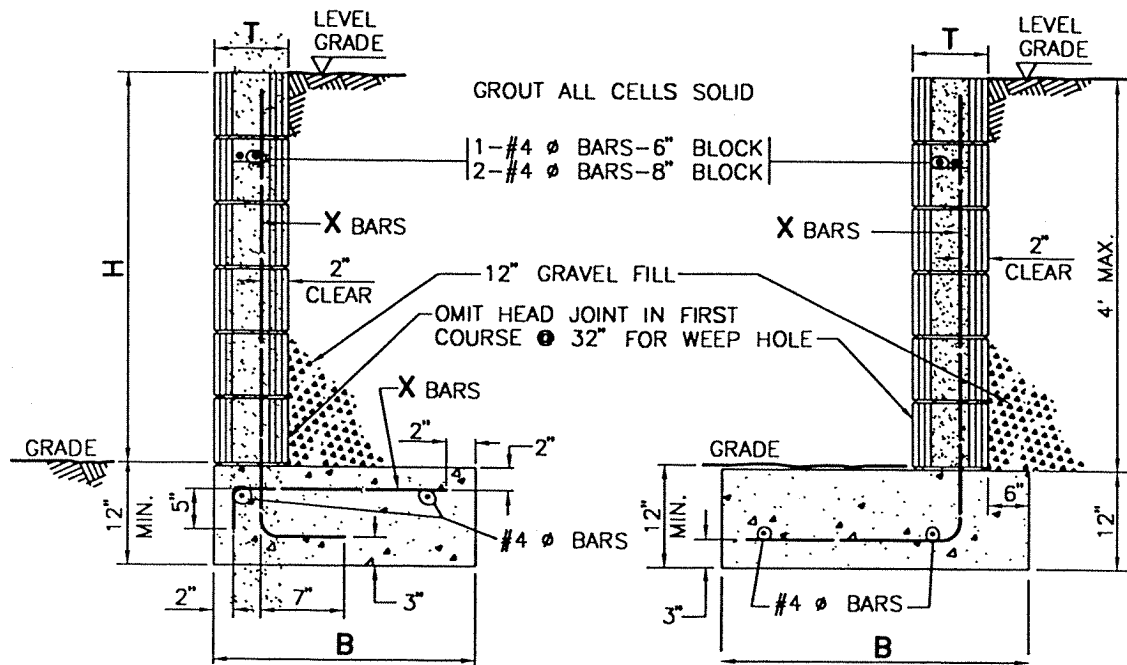
STEEL PATTERN SHOWN IS PICTORIAL ONLY. SEE PROJECT DRAWINGS FOR ACTUAL LAYOUT.

SECTION B-B

NOTES:

1. THE HORIZONTAL ANGLE OF DIVERGENCE OR CONVERGENCE, ϕ , SHALL NOT EXCEED 5 DEGREES 45 MINUTES.
2. REINFORCING STEEL BAR SIZE, SPACING, AND OUTSIDE COVER SHALL BE THAT OF THE LARGER SECTION. FOR CURVED TRANSITIONS, SPACE BARS ON CENTER LINE AND PLACE TRANSVERSE STEEL RADIALLY. BAR LENGTHS AND DIMENSIONS SHALL VARY UNIFORMLY THROUGHOUT TRANSITION. LONGITUDINAL BARS SHALL BE CONTINUED THROUGH THE JOINTS WITH THE TRANSITION STRUCTURE.
3. THE CONCRETE THICKNESS SHALL BE THAT OF THE LARGER BOX SECTION.
4. $f'c = 4000$ PSI AT 28 DAYS.
5. TRANSVERSE JOINT KEYWAYS, AS DETAILED FOR LONGITUDINAL JOINT KEYWAYS AT BASE OF OUTER WALLS ON THE PROJECT DRAWINGS, SHALL BE PLACED IN BOTH SLABS AND WALLS AT THE END OF EACH POUR.
6. ALL STEEL, EXCEPT LONGITUDINAL STEEL SHALL BE GRADE 60 BILLET STEEL CONFORMING TO ASTM A615 AND SHALL TERMINATE $1\frac{1}{2}$ " CLEAR OF CONCRETE SURFACE UNLESS OTHERWISE SHOWN.

	TRANSITION STRUCTURE No. 6 TRIPLE BOX TO TRIPLE BOX		STANDARD PLAN 2002	
	DRAWN: STAFF	CKD.: STAFF <i>[Signature]</i>	APPR. <i>[Signature]</i> Granville M. Bowman	PLATE 536
	Department of Public Works			SHEET 1 OF 1



POUR FOOTING AGAINST UNDISTURBED NATURAL SOIL

H	B	T	'X' BARS
2'-0"	1'-6"	6"	#3 @ 48" O.C.
3'-0"	1'-10"	6"	#3 @ 32" O.C.
4'-0"	2'-6"	8"	#4 @ 48" O.C.

GENERAL NOTES:

1. CONCRETE-2000 P.S.I. MIN. @ 28 DAYS; 480 C 2000, 4" MAXIMUM SLUMP.
2. REINFORCING STEEL-ASTM A15 & A305, MIN. $f_s=18000$ P.S.I.
3. REINFORCING STEEL LAPS-MIN. 1'-6"
4. CONCRETE MANSORY UNITS-ASTM C 90; CONCRETE BLOCK GRADE 'A'
5. GROUT-1 PART CEMENT, 2 TO 3 PARTS SAND, 2 PARTS PEA GRAVEL.
6. SOIL-MAX. 1000 P.S.I. BEARING PRESSURE.
7. BACKFILL-COHESIONLESS SOIL.
8. ALL WORKMANSHIP AND MATERIALS TO CONFORM WITH THE UNIFORM BUILDING CODE.
9. NO SURCHARGE ON WALL. CONSULT A PROFESSIONAL CIVIL OR STRUCTURAL ENGINEER FOR DESIGN OF RETAINING WALLS HAVING
 - (a) A HEIGHT GREATER THAN 4 FEET AND/OR
 - (b) ANY SURCHARGE (VEHICLE LOADING, ADJACENT FOOTING, ETC.).

CITY OF
Oxnard

RETAINING WALL

DRAWN: STAFF CKD.: STAFF
Department of Public Works

APPR. *Granville M. Bowman*
Granville M. Bowman

STANDARD PLAN
2002

PLATE 600

SHEET 1 OF 1



- CITY OF**
Oxnard

CITY OF

STANDARD LOT DRAINAGE

DRAWN: STAFF

CKD.: STAFF

Department of Public Works

APPR

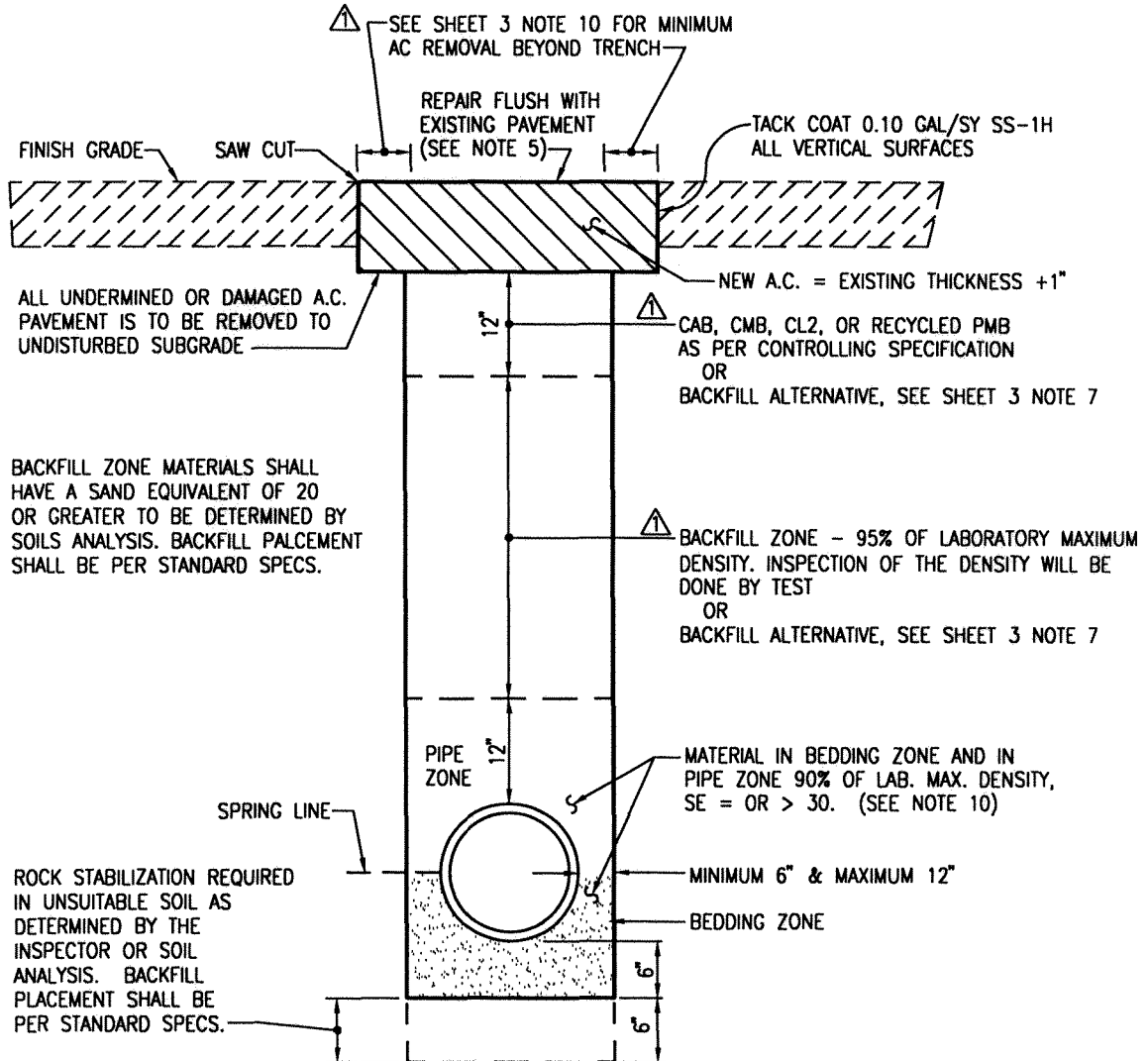
Gronville M. Bowmar

STANDARD PLAN
2002

PLATE 601

SHEET 1 OF 1

DETAIL APPLICABILITY: STREETS OLDER THAN 10 YEARS



STD. TRENCH BACKFILL REQUIREMENT

DRAWN: A. ROQUE CKD.: B. STARR, PE

Department of Public Works

APPR.

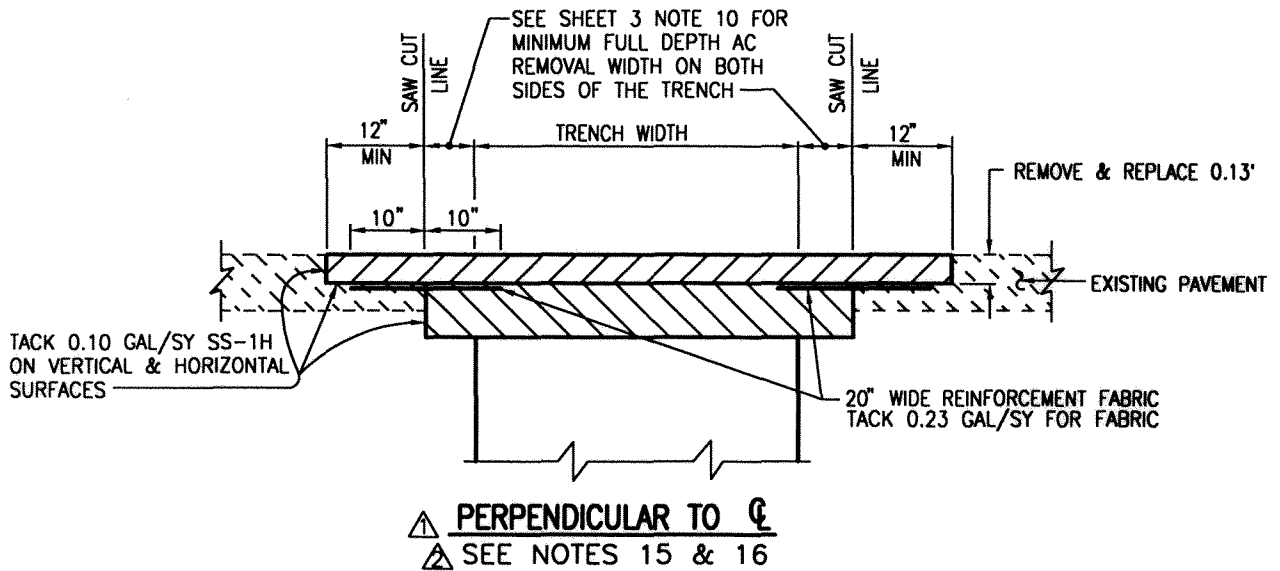
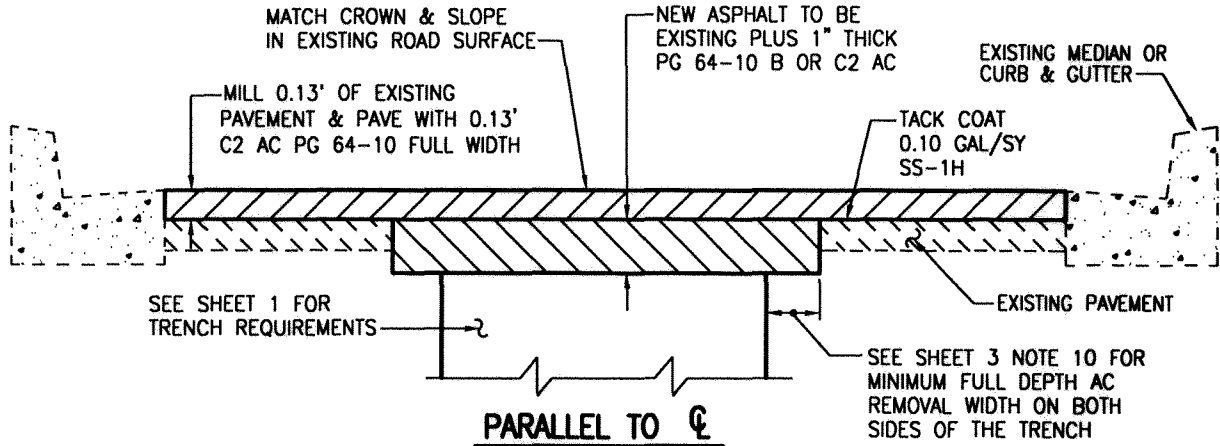
L. Bolderama, PE, City Engineer

STANDARD PLAN 2002

PLATE 602

SHEET 1 OF 3

DETAIL APPLICABILITY: STREETS LESS THAN 10 YEARS



STD. TRENCH BACKFILL REQUIREMENT

DRAWN: A. ROQUE CKD.: B. STARR, PE

Department of Public Works

APPR.

L. Balderrama
L. Balderrama, PE, City Engineer

STANDARD PLAN
2002

PLATE 602

SHEET 2 OF 3

NOTES:

1. JETTING PERMITTED 3' BELOW SUBGRADE IN SUITABLE SOIL (SE = OR >30) WITH NO GROUNDWATER CONDITION.
- △ 2. A.C. AND BACKFILL TO BE MECHANICALLY COMPACTED. WHEEL ROLLING NOT PERMITTED.
3. A.C. COLD MIX TO BE ON SITE PRIOR TO BREAKING PAVEMENT.
4. SHORING REQUIRED PER CAL-OSHA
5. ALL TRENCHES PARALLEL TO THE CENTERLINE OF THE STREET SHALL BE PAVED WITH ASPHALT PAVING MACHINE FLUSH WITH THE EXISTING PAVEMENT.
- △△ 6. BACKFILL SHALL BE IN ACCORDANCE WITH THIS PLATE EXCEPT THAT THE BACKFILL OF TRENCH ON TRANSVERSE CUTS ON ALL MAJOR ARTERIAL STREETS SHALL BE A ONE SACK CEMENT SLURRY.
- △ 7. A 1½-SACK SLURRY BACKFILL MAY BE ALLOWED BY ENGINEER.
8. HYDRO-HAMMER, OR STOMPER, IS PERMITTED SUBJECT TO PRIOR APPROVAL. THEY ARE NOT PERMITTED WITHIN 5' OF EXISTING UTILITIES.
9. IF EDGE OF TRENCH IS 60" OR LESS FROM THE EDGE OF A GUTTER, OR OTHER EXISTING TRENCH REPAIR, THEN REMOVE THE INTERVENING ASPHALT BETWEEN THE GUTTER EDGE OR EXISTING TRENCH REPAIR AND REPAVE IT AS PART OF THE TRENCH RESURFACING.
- △ 10. TRENCH DEPTH MIN. PAVEMENT REMOVAL BEYOND TRENCH WALL

0 - 5'	12"
5' - 10'	36"
10'+	60"

NOTE: CITY OF OXNARD PUBLIC WORKS INSPECTOR MAY INCREASE BEYOND THESE LIMITS DUE TO SPECIAL SITE CONDITIONS AND CONTRACTORS METHOD OF OPERATION. REMOVAL WIDTHS IDENTIFIED ABOVE ARE MINIMUM REQUIRED FOR ALL TRENCH REPAIRS.
11. BEDDING AND PIPE ZONE FILL SHALL BE PER SSPWC (GREENBOOK) UNLESS OTHERWISE SPECIFIED.
12. REINFORCING FABRIC WILL BE "PAVE PREP", "PAVE TAC" OR EQUAL.
- △ 13. FOR TRENCHES PARALLEL TO THE C OF THE STREET THE ENTIRE PAVEMENT WIDTH BETWEEN THE EDGES OF THE PAVEMENT, i.e. CURB TO CURB, SHALL BE REMOVED TO A DEPTH OF 0.13'; THE TRENCH AREA SHALL BE RESTORED AS PER SHEET 1 & 2.
- △ 14. FOR TRENCHES PERPENDICULAR TO STREET C, THE PAVEMENT SURFACE SHALL BE REMOVED TO A DEPTH OF 0.13' AS DETERMINED BY SHEET 1 & 2. STRIPS OF PAVEMENT REINFORCEMENT FABRIC SHALL BE CENTERED OVER THE EDGES OF THE TRENCH. MINIMUM WIDTH OF REINFORCING FABRIC SHALL BE 20".
- △ 15. MULTIPLE PERPENDICULAR/TRANVERSE TRENCHES SPACED CLOSER THAN 500 FEET APART SHALL BE MILLED LONGITUDINALLY FROM TRENCH TO TRENCH AND CAPPED WITH A 0.13' C2 AC PG 64-10 FULL WIDTH OF THE STREET AS SHOWN ON PARALLEL TO C.
- △ 16. POT HOLES SHALL BE CONSIDERED TRENCH CUTS FOR REPAIR PURPOSES.

REV.	APPR. BY	DATE
△	Lou B.	7/15/10

REV.	APPR. BY	DATE
△	Lou B.	7/31/06
△	Lou B.	9/28/06



STD. TRENCH BACKFILL REQUIREMENT

DRAWN: A. ROQUE CKD.: B. STARR, PE

Department of Public Works

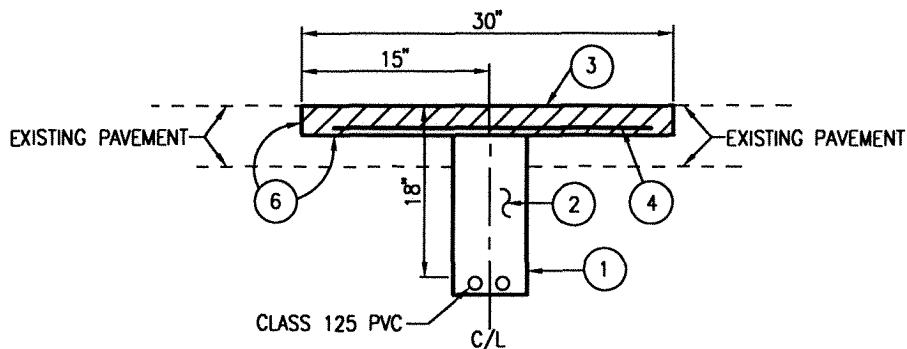
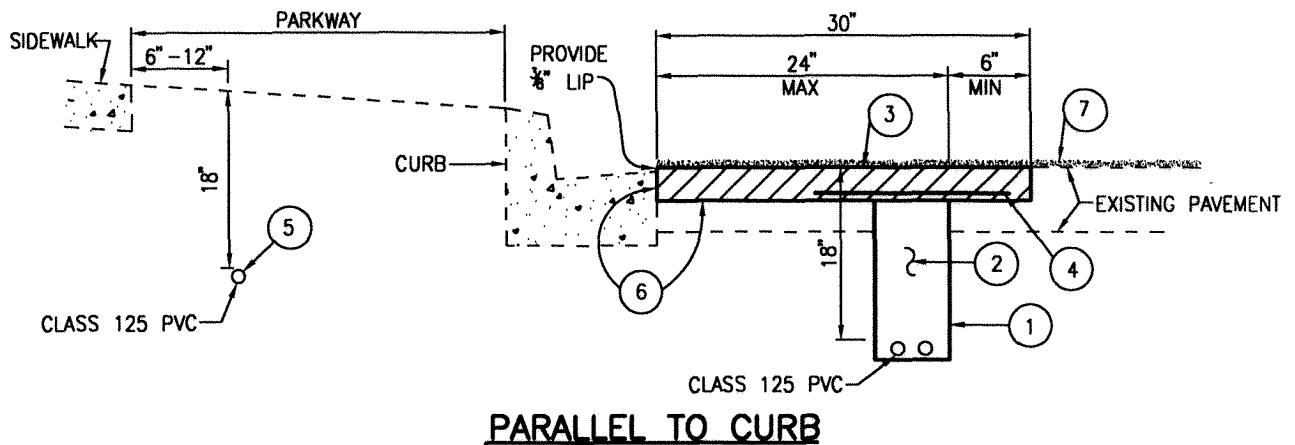
APPR.

Lou Balderrama
L. Balderrama, PE, City Engineer

STANDARD PLAN
2002

PLATE 602

SHEET 3 OF 3



- ROCKSAW TRENCH 4"-6" WIDE, MAX. 24" FROM GUTTER FACE, 18" COVER OVER CONDUITS.
- FILL TRENCH TO TOP WITH 1 1/2 SACK MIX CEMENT/SAND SLURRY.
- GRIND FROM GUTTER LIP TOWARDS STREET CENTERLINE A MINIMUM OF 30" WIDE AND 2" DEEP ON PARALLEL TRENCHES & 30" WIDE AND 2" DEEP CENTERED ON TRANSVERSE TRENCHES OR AS DIRECTED BY CITY OF OXNARD PUBLIC WORKS INSPECTOR AND PLACE C-2 PG 64-10 ASPHALT COMPACTED WITH A ROLLER TO 95%.
- PLACE 3.5 OUNCE PETROMAT 18" WIDE CENTER ON TRENCH & TACK WITH 0.23 GAL/SY SS-1H.
- PARKWAY CONSTRUCTION: PERMITEE TO SUBMIT DETAILS FOR APPROVAL. ALL APRONS RIBBON GUTTERS, RESIDENTIAL HARDSCAPE & RESIDENTIAL SOFTSCAPE SHALL BE RESTORED/REPAIRED/OR REPLACED AS ORIGINALLY FOUND AND AS DIRECTED BY THE CITY OF OXNARD PUBLIC WORKS INSPECTOR.
- TACK COAT 0.10 GAL/SY SS-1H ALL VERTICAL & HORIZONTAL SURFACES OR UNLESS NOTED OTHERWISE.
- TYPE II SLURRY SEAL PLACED AT 16# / SY. SLURRY SEAL SHALL EXTEND FROM THE GUTTER LIP TO THE LANE LINE, OR AS DIRECTED BY THE PUBLIC WORKS INSPECTOR.

8. MULTIPLE PERPENDICULAR/TRANVERSE TRENCHES SPACED CLOSER THAN 500 FEET APART SHALL BE MILLED LONGITUDINALLY FROM TRENCH TO TRENCH AND CAPPED WITH A 0.13' C2 AC PG 64-10 FULL WIDTH OF THE STREET AS SHOWN ON PARALLEL TO C.

9. POT HOLES SHALL BE CONSIDERED TRENCH CUTS FOR REPAIR PURPOSES.

ROCKSAW TRENCH CUTS ARE NORMALLY NOT ALLOWED. UTILITIES ARE REQUIRED TO BE BORED, EXCEPT WHEN ALLOWED BY THE CITY ENGINEER OR REPRESENTATIVE.



DRAWN: A. ROQUE CKD.: B. STARR, PE

Department of Public Works

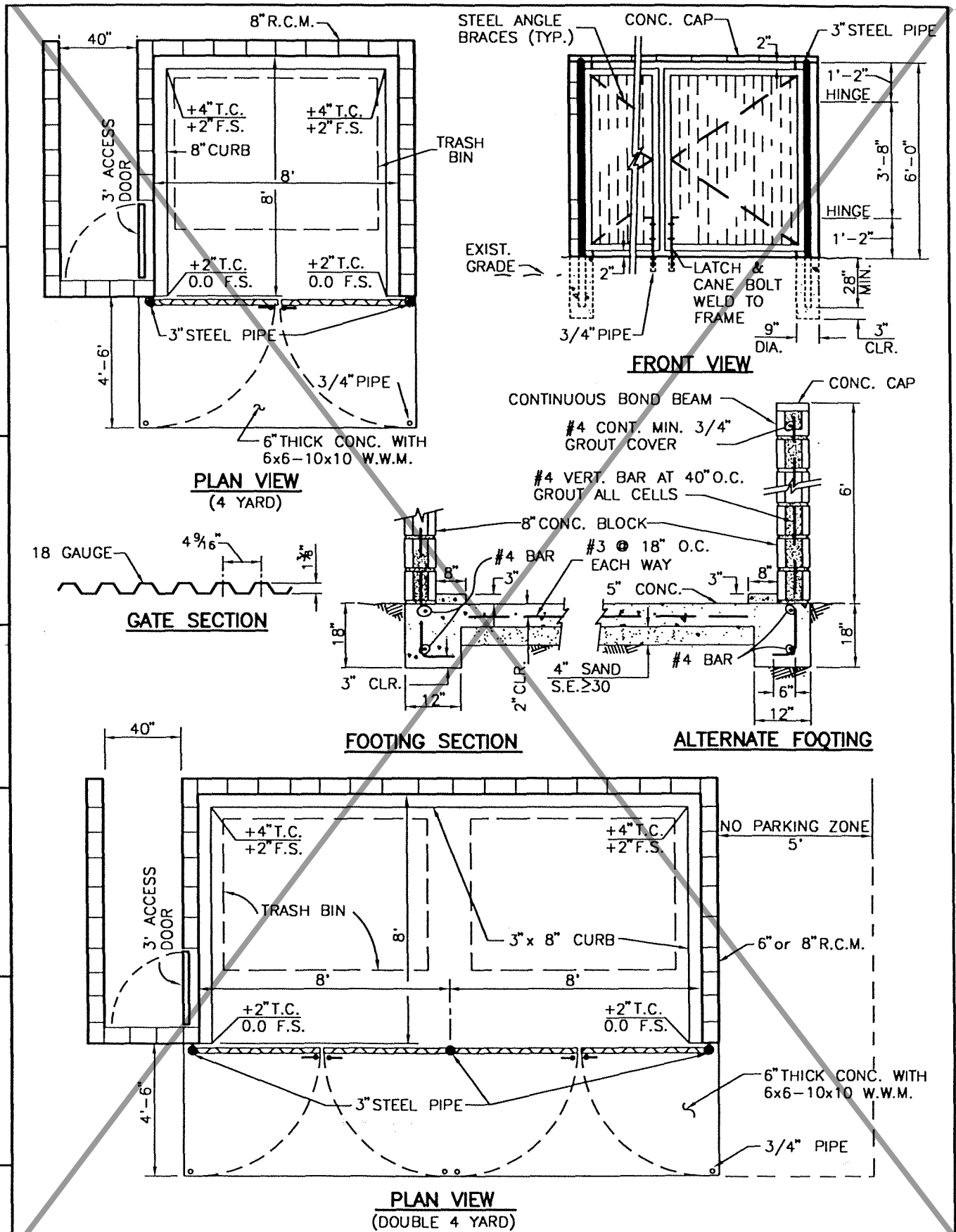
APPR. L. Balderrama, PE, City Engineer

STANDARD PLAN
2002

PLATE 603

SHEET 1 OF 1

SUPERSEDED



REV. APPR. BY DATE

REV. APPR. BY DATE



CITY OF

**PARALLEL REFUSE CONTAINER ENCLOSURE
WITH SIDE ENTRANCE**

DRAWN: STAFF CKD.: STAFF

Department of Public Works

APPR.

Granville M. Bowman

STANDARD PLAN
2002

PLATE 604

SHEET 1 OF 2

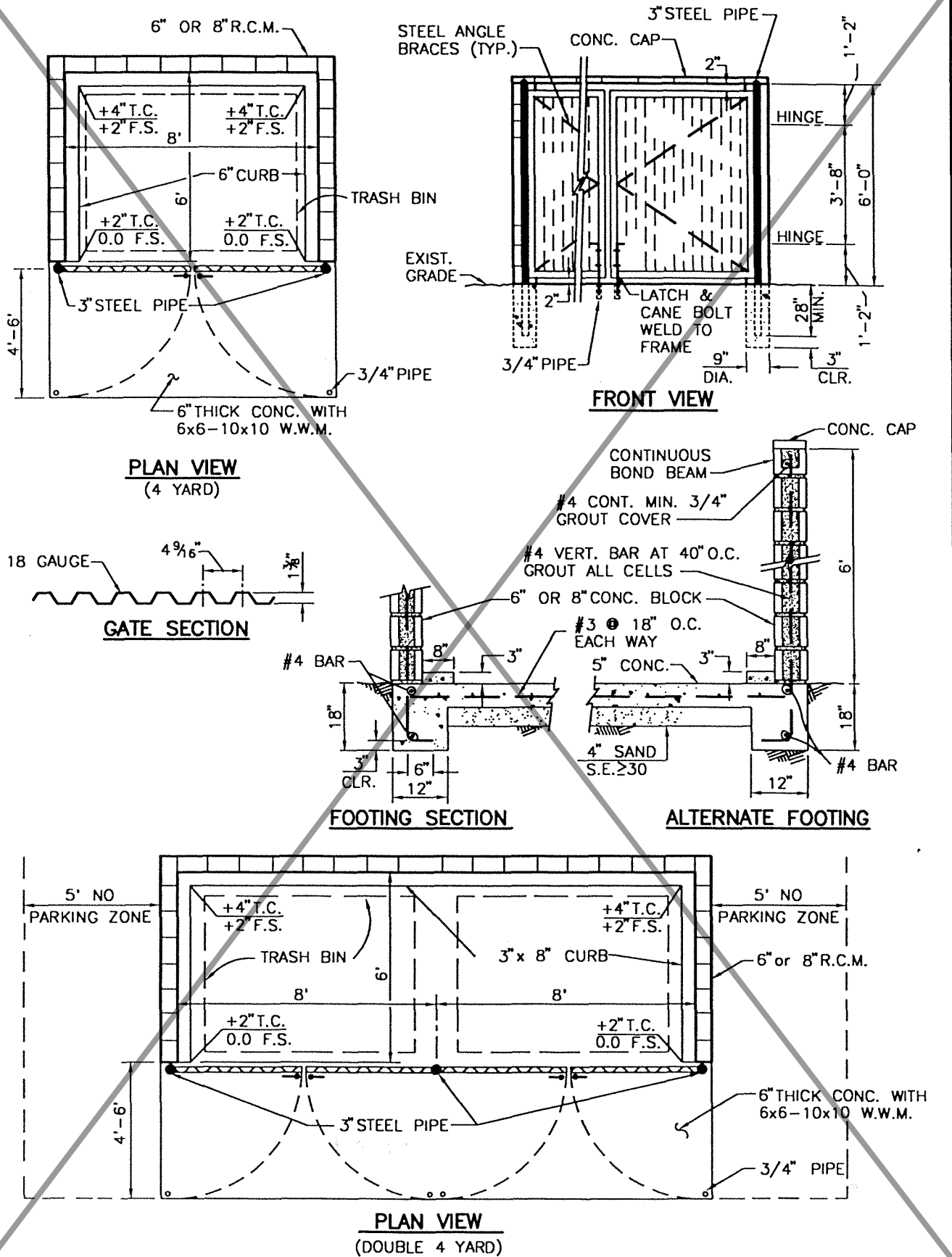
NOTES:

1. WALLS: SLUMPSTONE BLOCK, REINFORCED AND CAPPED. STRUCTURE TO BE APPROVED PRIOR TO CONSTRUCTION BY BUILDING AND SAFETY DEPARTMENT.
2. GATES: SHALL BE STEEL FRAMED WITH STEEL ANGLE BRACE TYPE METAL 18 GAUGE AND STEEL MINI V-BEAM PANEL AND THE GATE ITSELF, SHALL BE HUNG ON A 3" STEEL PIPE, CONCRETE FILLED THAT IS NOT ATTACHED TO THE ENCLOSURE. SHALL NOT OPEN INTO DRIVING LANES OR PARKING SPACES.
3. SIZE: ENCLOSURE SIZE FOR SINGLE FOUR YARD CONTAINER IS TO BE 8' DEEP AND 8' WIDE AND FOR DOUBLE FOUR YARD IS TO BE 8' DEEP AND 16' WIDE. SIZE OF ENCLOSURE TO BE DETERMINED IN ADVANCE OF CONSTRUCTION BY THE REFUSE SUPERINTENDENT.
4. LOCATION: TO BE DETERMINED IN ADVANCE OF CONSTRUCTION FROM PLANS SUBMITTED TO THE REFUSE SUPERINTENDENT. CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF OXNARD ORDINANCE-SECTION 34-9.4, 15-19, AND 15-26.
5. FLOOR: SHALL BE OF CONCRETE, WITH A MAXIMUM SLOPE OF 2" TO DRAIN ENCLOSURE, AND FLUSH WITH ADJOINING PAVEMENT
6. LATCH: A LATCHING ASSEMBLY IS REQUIRED WITH CANE BOLTS ON BOTH GATES TO HOLD IN OPEN AND CLOSED POSITION WITH 3/4" PIPE TO HOLD THE CANE BOLT.
7. ACCESSABILITY: ENCLOSURE LOCATIONS SHOULD NOT BE BEHIND ANY LOCKED GATES, CHAINS, OR FENCES. IF ENCLOSURE LOCATIONS ARE SITUATED BEHIND LOCKED COMPLEXES, THE CONDITIONS FOR PICKUP WILL BE FORMALIZED IN A WRITTEN AGREEMENT SIGNED BY THE OWNER AND APPROVED BY THE REFUSE SUPERINTENDENT. THIS AGREEMENT MUST BE APPROVED PRIOR TO APPROVAL OF PLANS. CONTACT THE REFUSE PROGRAM FOR DETAILS AT 385-8060.
8. ROOF: A SOLID ROOF WITH 8 FEET OF CLEARANCE IS REQUIRED ON ALL TRASH ENCLOSURES.
9. GREASE INTERCEPTOR: TRASH ENCLOSURES SERVING FOOD PREPARATION FACILITIES, GAS STATIONS AND GROCERY STORES SHALL INCLUDE A TRAFFIC RATED TRENCH DRAIN WITHIN THE ENCLOSURE WHICH DRAINS THROUGH A GREASE INTERCEPTOR TO THE SEWER SYSTEM. OTHER USES MAY BE REQUIRED TO INSTALL A TRENCH DRAIN AS DIRECTED BY THE CITY ENGINEER.
10. FIRE SPRINKLER: FIRE SPRINKLER MAY BE REQUIRED BY THE CALIFORNIA BUILDING CODE OR THE THE UNIFORM FIRE CODE.
11. PARKING: NO PARKING SPACES ARE ALLOWED WITHIN 5 FEET OF EDGE OF ENCLOSURE.

REV.	APPR. BY	DATE

REV.	APPR. BY	DATE

 CITY OF Oxnard	PARALLEL REFUSE CONTAINER ENCLOSURE WITH SIDE ENTRANCE		STANDARD PLAN 2002
	DRAWN: STAFF	CKD.: STAFF <i>LB</i>	APPR. <i>Granville M. Bowman</i> Granville M. Bowman	PLATE 604
Department of Public Works			SHEET 2 OF 2



REV.	APPR.	BY	DATE

REV.	APPR.	BY	DATE

 CITY OF Oxnard	PARALLEL REFUSE CONTAINER ENCLOSURE WITHOUT SIDE ENTRANCE		STANDARD PLAN 2002
	DRAWN: STAFF	CKD.: STAFF	PLATE 605
	Department of Public Works		APPR. Granville M. Bowman
			SHEET 1 OF 2

NOTES

1. WALLS: SLUMPSTONE BLOCK, REINFORCED AND CAPPED. STRUCTURE TO BE APPROVED PRIOR TO CONSTRUCTION BY DEVELOPMENT SERVICES DEPARTMENT.
2. GATES: SHALL BE STEEL FRAMED WITH STEEL ANGLE BRACE TYPE METAL 18 GAUGE AND STEEL MINI V-BEAM PANEL AND THE GATE ITSELF, SHALL BE HUNG ON A 3" STEEL PIPE, CONCRETE FILLED THAT IS NOT ATTACHED TO THE ENCLOSURE.
3. SIZE: ENCLOSURE SIZE FOR SINGLE FOUR YARD CONTAINER IS TO BE 6' DEEP AND 8' WIDE AND FOR DOUBLE FOUR YARD IS TO BE 6' DEEP AND 16' WIDE. SIZE OF ENCLOSURE TO BE DETERMINED IN ADVANCE OF CONSTRUCTION BY THE REFUSE SUPERINTENDENT.
4. LOCATION: TO BE DETERMINED IN ADVANCE OF CONSTRUCTION FROM PLANS SUBMITTED TO THE REFUSE SUPERINTENDENT. CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF OXNARD ORDINANCE-SECTION 34-9.4, 15-19, AND 15-26.
5. FLOOR: SHALL BE OF CONCRETE, WITH A MAXIMUM SLOPE OF 2" TO DRAIN ENCLOSURE, AND FLUSH WITH ADJOINING PAVEMENT.
6. LATCH: A LATCHING ASSEMBLY IS REQUIRED WITH CANE BOLTS ON BOTH GATES TO HOLD IN OPEN AND CLOSED POSITION WITH 3/4" PIPE TO HOLD THE CANE BOLT.
7. ACCESSABILITY: ENCLOSURE LOCATIONS SHOULD NOT BE BEHIND ANY LOCKED GATES, CHAINS, OR FENCES. IF ENCLOSURE LOCATIONS ARE SITUATED BEHIND LOCKED COMPLEXES, THE CONDITIONS FOR PICKUP WILL BE FORMALIZED IN A WRITTEN AGREEMENT SIGNED BY THE OWNER AND APPROVED BY THE REFUSE SUPERINTENDENT. THIS AGREEMENT MUST BE APPROVED PRIOR TO APPROVAL OF PLANS. CONTACT THE REFUSE PROGRAM FOR DETAILS AT 385-8060.
8. ROOF: A SOLID ROOF WITH 8' FEET OF CLEARANCE IS REQUIRED ON ALL TRASH ENCLOSURES.
9. GREASE INTERCEPTOR: TRASH ENCLOSURES SERVING FOOD PREPARATION FACILITIES, GAS STATIONS AND GROCERY STORES SHALL INCLUDE A TRAFFIC RATED TRENCH DRAIN WITHIN THE ENCLOSURE WHICH DRAINS THROUGH A GREASE INTERCEPTOR TO THE SEWER SYSTEM. OTHER USES MAY BE REQUIRED TO INSTALL A TRENCH DRAIN AS DIRECTED BY THE CITY ENGINEER.
10. FIRE SPRINKLERS: FIRE SPRINKLERS MAY BE REQUIRED BY THE CALIFORNIA BUILDING CODE OR THE UNIFORM FIRE CODE.
11. PARKING: NO PARKING SPACES ARE ALLOWED WITHIN 5 FEET OF EDGE OF ENCLOSURE.

REV.	APPR. BY	DATE

REV.	APPR. BY	DATE



CITY OF

REFUSE CONTAINER ENCLOSURE WITHOUT SIDE ENTRANCE

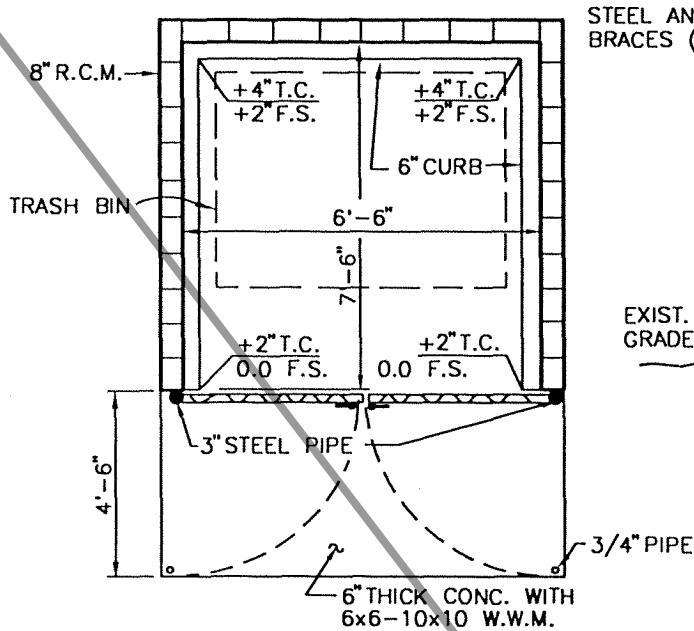
DRAWN: STAFF CKD.: STAFF *GF*
Department of Public Works

APPR. *Granville M. Bowman*
Granville M. Bowman

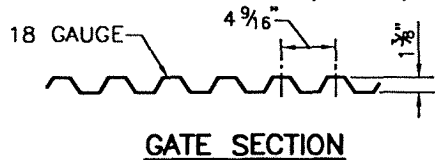
STANDARD PLAN
2002

PLATE 605

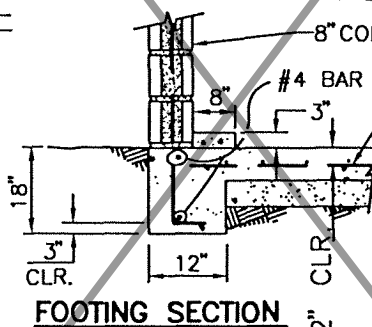
SHEET 2 OF 2



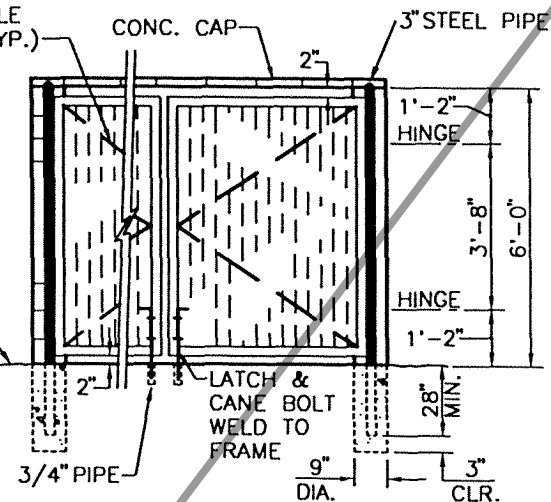
PLAN VIEW
(4 YARD)



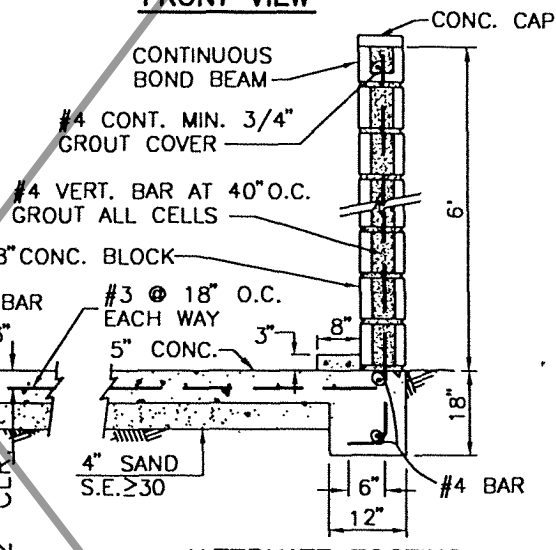
GATE SECTION



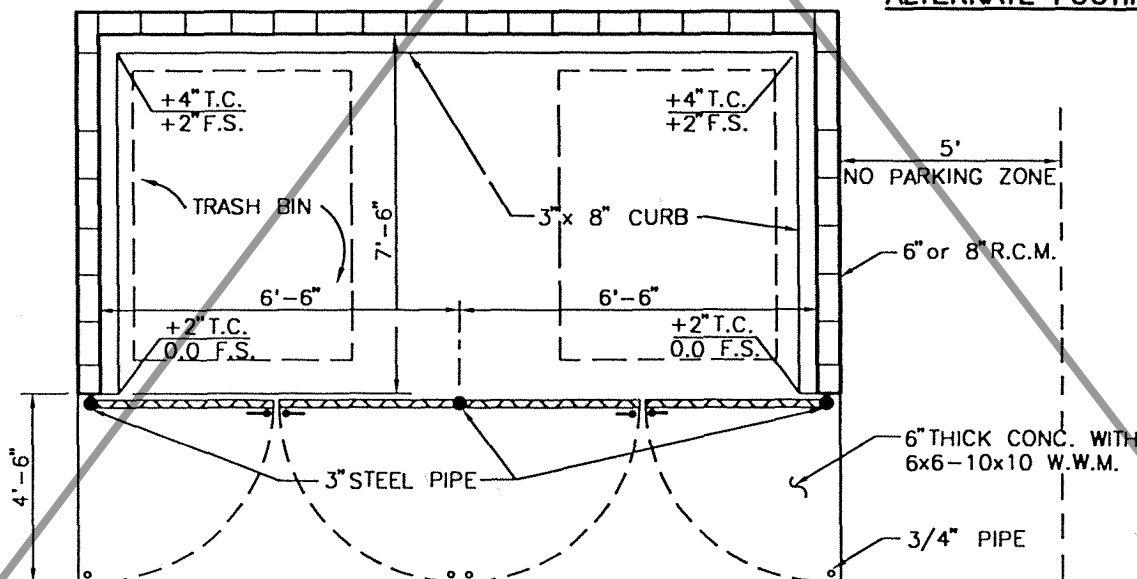
FOOTING SECTION



FRONT VIEW



ALTERNATE FOOTING



PLAN VIEW
(DOUBLE 4 YARD)

CITY OF
Oxnard

PERPENDICULAR REFUSE CONTAINER ENCLOSURE WITHOUT SIDE ENTRANCE

STANDARD PLAN
2002

PLATE 606

DRAWN: STAFF CKD.: STAFF
Department of Public Works

APPR. *Granville M. Bowman*
Granville M. Bowman

SHEET 1 OF 2

NOTES:

1. WALLS: SLUMPSTONE BLOCK, REINFORCED AND CAPPED. STRUCTURE TO BE APPROVED PRIOR TO CONSTRUCTION BY BUILDING AND SAFETY DEPARTMENT.
2. GATES: SHALL BE STEEL FRAMED WITH STEEL ANGLE BRACE TYPE METAL 18 GAUGE AND STEEL MINI V-BEAM PANEL AND THE GATE ITSELF, SHALL BE HUNG ON A 3" STEEL PIPE, CONCRETE FILLED THAT IS NOT ATTACHED TO THE ENCLOSURE. SHALL NOT OPEN INTO DRIVING LANES OR PARKING SPACES.
3. SIZE: ENCLOSURE SIZE FOR SINGLE FOUR YARD CONTAINER IS TO BE 7' DEEP AND 7'-6" WIDE AND FOR DOUBLE FOUR YARD IS TO BE 7' 6" DEEP AND 15' WIDE. SIZE OF ENCLOSURE TO BE DETERMINED IN ADVANCE OF CONSTRUCTION BY THE REFUSE SUPERINTENDENT.
4. LOCATION: TO BE DETERMINED IN ADVANCE OF CONSTRUCTION FROM PLANS SUBMITTED TO THE REFUSE SUPERINTENDENT. CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF OXNARD ORDINANCE-SECTION 34-9.4, 15-19, AND 15-26.
5. FLOOR: SHALL BE OF CONCRETE, WITH A MAXIMUM SLOPE OF 2" TO DRAIN ENCLOSURE, AND FLUSH WITH ADJOINING PAVEMENT
6. LATCH: A LATCHING ASSEMBLY IS REQUIRED WITH CANE BOLTS ON BOTH GATES TO HOLD IN OPEN AND CLOSED POSITION WITH 3/4" PIPE TO HOLD THE CANE BOLT.
7. ACCESSABILITY: ENCLOSURE LOCATIONS SHOULD NOT BE BEHIND ANY LOCKED GATES, CHAINS, OR FENCES. IF ENCLOSURE LOCATIONS ARE SITUATED BEHIND LOCKED COMPLEXES, THE CONDITIONS FOR PICKUP WILL BE FORMALIZED IN A WRITTEN AGREEMENT SIGNED BY THE OWNER AND APPROVED BY THE REFUSE SUPERINTENDENT. THIS AGREEMENT MUST BE APPROVED PRIOR TO APPROVAL OF PLANS. CONTACT THE REFUSE PROGRAM FOR DETAILS AT 385-8060.
8. ROOF: A SOLID ROOF WITH 8 FEET OF CLEARANCE IS REQUIRED ON ALL TRASH ENCLOSURES.
9. GREASE INTERCEPTOR: TRASH ENCLOSURES SERVING FOOD PREPARATION FACILITIES, GAS STATIONS AND GROCERY STORES SHALL INCLUDE A TRAFFIC RATED TRENCH DRAIN WITHIN THE ENCLOSURE WHICH DRAINS THROUGH A GREASE INTERCEPTOR TO THE SEWER SYSTEM. OTHER USES MAY BE REQUIRED TO INSTALL A TRENCH DRAIN AS DIRECTED BY THE CITY ENGINEER.
10. FIRE SPRINKLER: FIRE SPRINKLER MAY BE REQUIRED BY THE CALIFORNIA BUILDING CODE OR THE THE UNIFORM FIRE CODE.
11. PARKING: NO PARKING SPACES ARE ALLOWED WITHIN 5 FEET OF EDGE OF ENCLOSURE.

REV.	APPR. BY	DATE

REV.	APPR. BY	DATE



CITY OF

PERPENDICULAR REFUSE CONTAINER ENCLOSURE WITHOUT SIDE ENTRANCE

DRAWN: STAFF

CKD.: STAFF

Department of Public Works

APPR.

Granville M. Bowman

STANDARD PLAN
2002

PLATE 606

SHEET 2 OF 2

PLAN VIEW

FRONT VIEW

GATE / DOOR SECTION

FOOTING SECTION



NOTES

1. WALLS: SLUMPSTONE BLOCK, REINFORCED AND CAPPED. STRUCTURE TO BE APPROVED PRIOR TO CONSTRUCTION BY DEVELOPMENT SERVICES DEPARTMENT.
2. GATES: SHALL BE STEEL FRAMED WITH STEEL ANGLE BRACE TYPE METAL 18 GAUGE AND STEEL MINI V-BEAM PANEL AND THE GATE ITSELF, SHALL BE HUNG ON A 3" STEEL PIPE, CONCRETE FILLED THAT IS NOT ATTACHED TO THE ENCLOSURE. SHALL NOT OPEN INTO DRIVING LANES OR PARKING SPACES.
3. SIZE: ENCLOSURE SIZE FOR SINGLE 30 YARD CONTAINER IS TO BE 24' DEEP AND 14' WIDE (OUTSIDE DIMENSION) SIZE OF ENCLOSURE TO BE DETERMINED IN ADVANCE OF CONSTRUCTION BY THE REFUSE SUPERINTENDENT.
4. LOCATION: TO BE DETERMINED IN ADVANCE OF CONSTRUCTION FROM PLANS SUBMITTED TO THE REFUSE SUPERINTENDENT. CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF OXNARD ORDINANCE-SECTION 34-9.4, 15-19, AND 15-26.
5. FLOOR: SHALL BE OF CONCRETE, WITH A MAXIMUM SLOPE OF 2" TO DRAIN ENCLOSURE, AND FLUSH WITH ADJOINING PAVEMENT
6. LATCH: A LATCHING ASSEMBLY IS REQUIRED WITH CANE BOLTS ON BOTH GATES TO HOLD IN OPEN AND CLOSED POSITION WITH 3/4" PIPE TO HOLD THE CANE BOLT.
7. ACCESSABILITY: ENCLOSURE SHALL NOT BE LOCATED BEHIND A LOCKED ENTRY OR GATE. THE ENCLOSURE OPENING MAY NOT BE BLOCKED BY PARKING OR LOADING SPACES. ANY CHANGES OF THIS REQUIREMENT MUST BE APPROVED BY THE REFUSE DIVISION BEFORE CONSTRUCTION.
8. ROOF: A SOLID ROOF IS REQUIRED ON ALL TRASH ENCLOSURES.
9. GREASE INTERCEPTER: TRASH ENCLOSURES SERVING FOOD PREPARATION FACILITIES, GAS STATIONS AND GROCERY STORES SHALL INCLUDE A TRENCH DRAIN WITHIN THE ENCLOSURE WHICH DRAINS THROUGH A GREASE INTERCEPTER TO THE SEWER SYSTEM. OTHER USES MAY BE REQUIRED TO INSTALL A TRENCH DRAIN AS DIRECTED BY THE CITY ENGINEER.
10. FIRE SPRINKLERS: FIRE SPRINKLERS MAY BE REQUIRED BY THE CALIFORNIA BUILDING CODE OR THE UNIFORM FIRE CODE.
11. PARKING: NO PARKING SPACES ARE ALLOWED WITHIN 5 FEET OF EDGE OF ENCLOSURE.

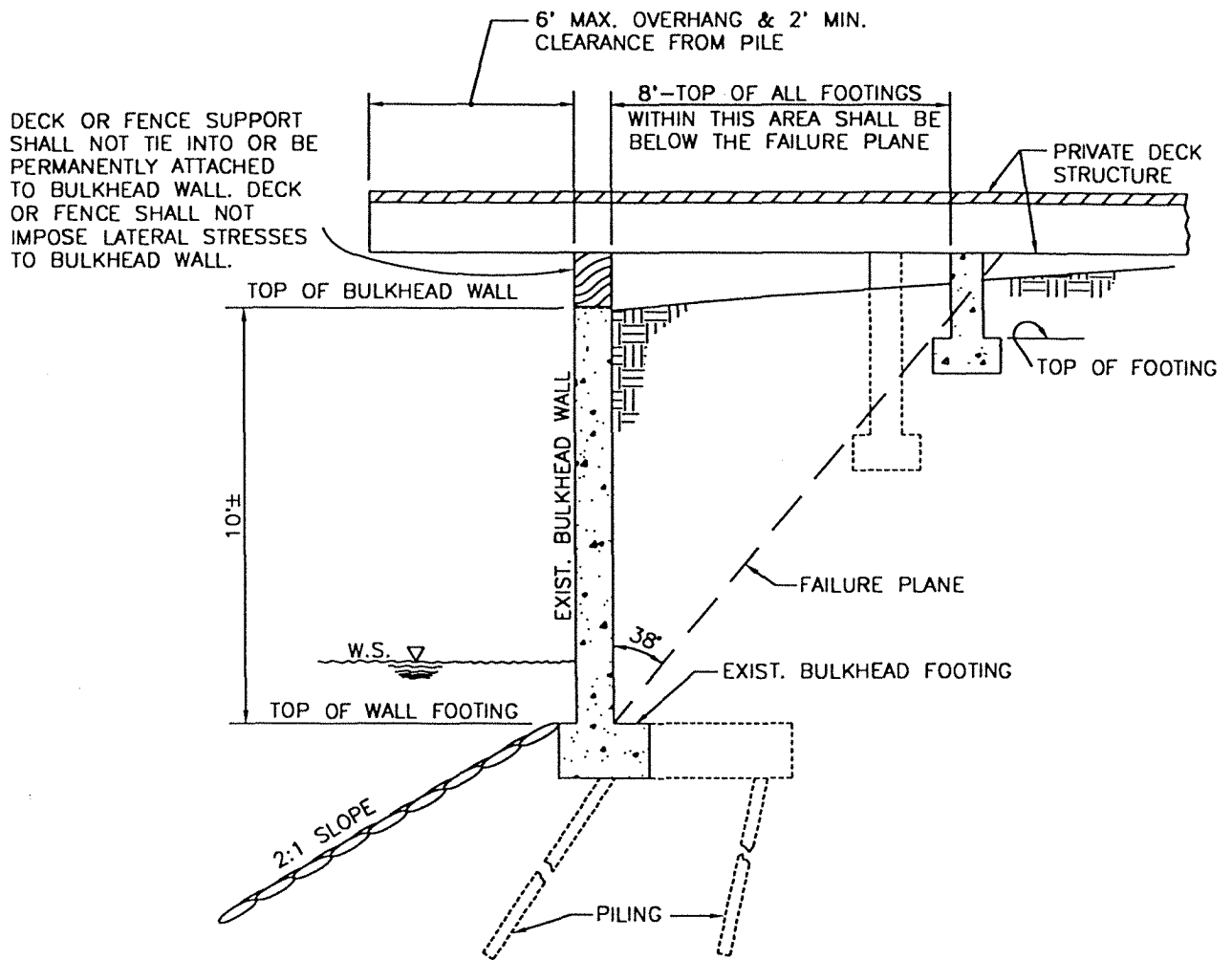
REV.	APPR. BY	DATE

REV.	APPR. BY	DATE

CITY OF	30 YARD REFUSE CONTAINER ENCLOSURE		STANDARD PLAN 2002
	DRAWN: STAFF	CKD.: STAFF	 APPR. Granville M. Bowman
	Department of Public Works		PLATE 607 SHEET 2 OF 2

REV.	APPR. BY	DATE

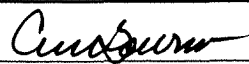
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TYPICAL SECTION

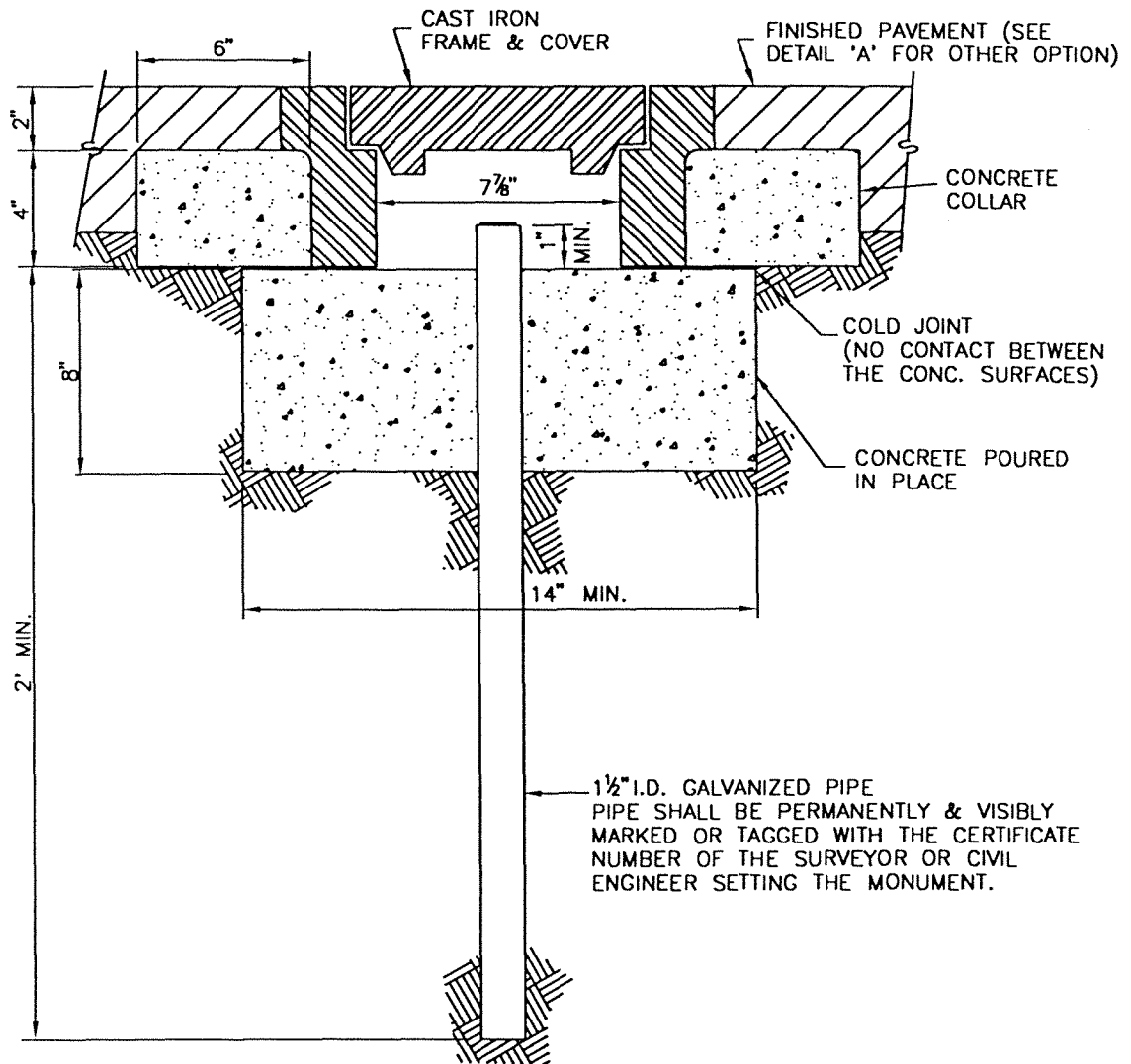
NOTES:

1. DECKS OR FENCES OTHER THAN WOOD MAY BE PERMITTED PROVIDED THE ADDITIONAL LOADING IS WITHIN THE DESIGN STRUCTURAL STRENGTH OF THE EXISTING BULKHEAD WALL, AND THE DECK OR FENCE CAN BE REMOVED WITHOUT DAMAGE TO THE BULKHEAD. CONCRETE OR SIMILAR DECK MATERIALS ARE NOT ALLOWED.
2. DETAILED STRUCTURAL CALCULATIONS, PREPARED BY AN R.C.E. IN CALIFORNIA, SHALL BE REQUIRED BY THE CITY FOR REVIEW, PRIOR TO ISSUANCE OF ANY PERMITS.
3. ALL CONSTRUCTION SHALL CONFORM TO CURRENT CITY STANDARD SPECIFICATIONS.
4. ALL CALCULATIONS SUBMITTED SHALL CONFORM WITH CURRENT A.C.I. AND CALIF. BUILDING CODE REQUIREMENTS.

	DECK/FENCE CONSTRUCTION OVER OR NEAR BULKHEAD WALL		STANDARD PLAN 2002
	DRAWN: STAFF	CKD.: STAFF	APPR.  Granville M. Bowman
Department of Public Works			

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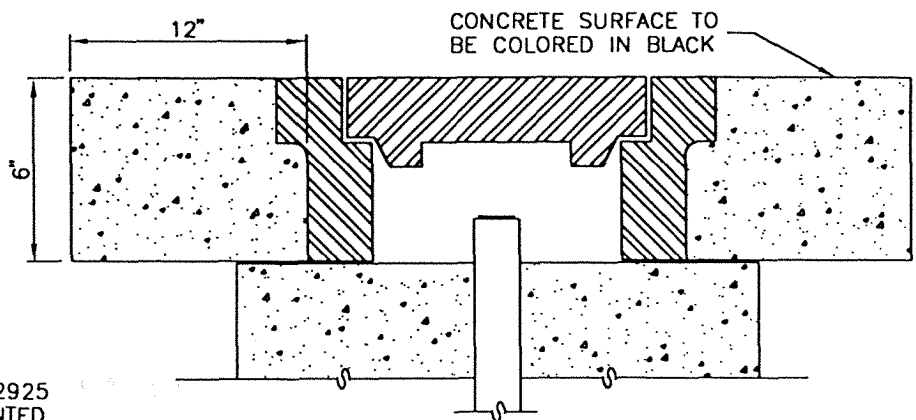
MONUMENT



TOP VIEW

COVER:

ALHAMBRA FOUNDRY No. A-2925
OR APPROVED EQUAL, IMPRINTED
AS SHOWN.



DETAIL 'A'

TO BE USED AS ANOTHER OPTION



CITY OF

SURVEY MONUMENT

DRAWN: STAFF

CKD.: STAFF

Department of Public Works

APPR.

Granville M. Bowman
Granville M. Bowman

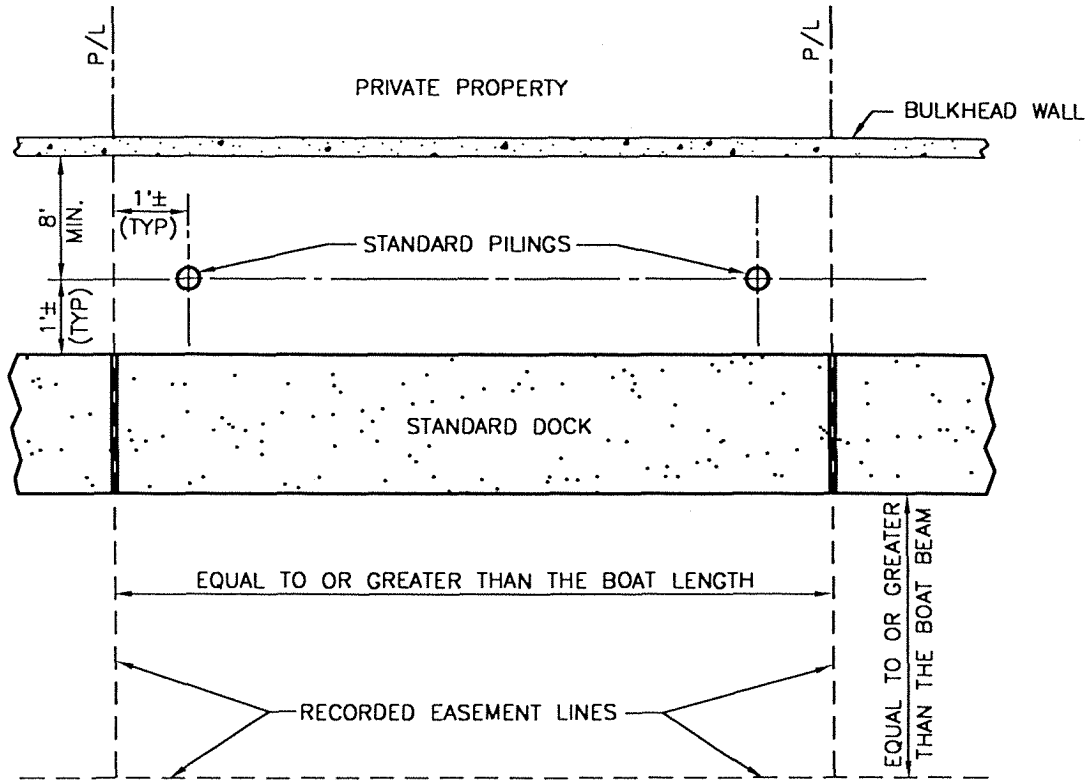
STANDARD PLAN
2002

PLATE 609

SHEET 1 OF 1

REV.	APPR. BY	DATE

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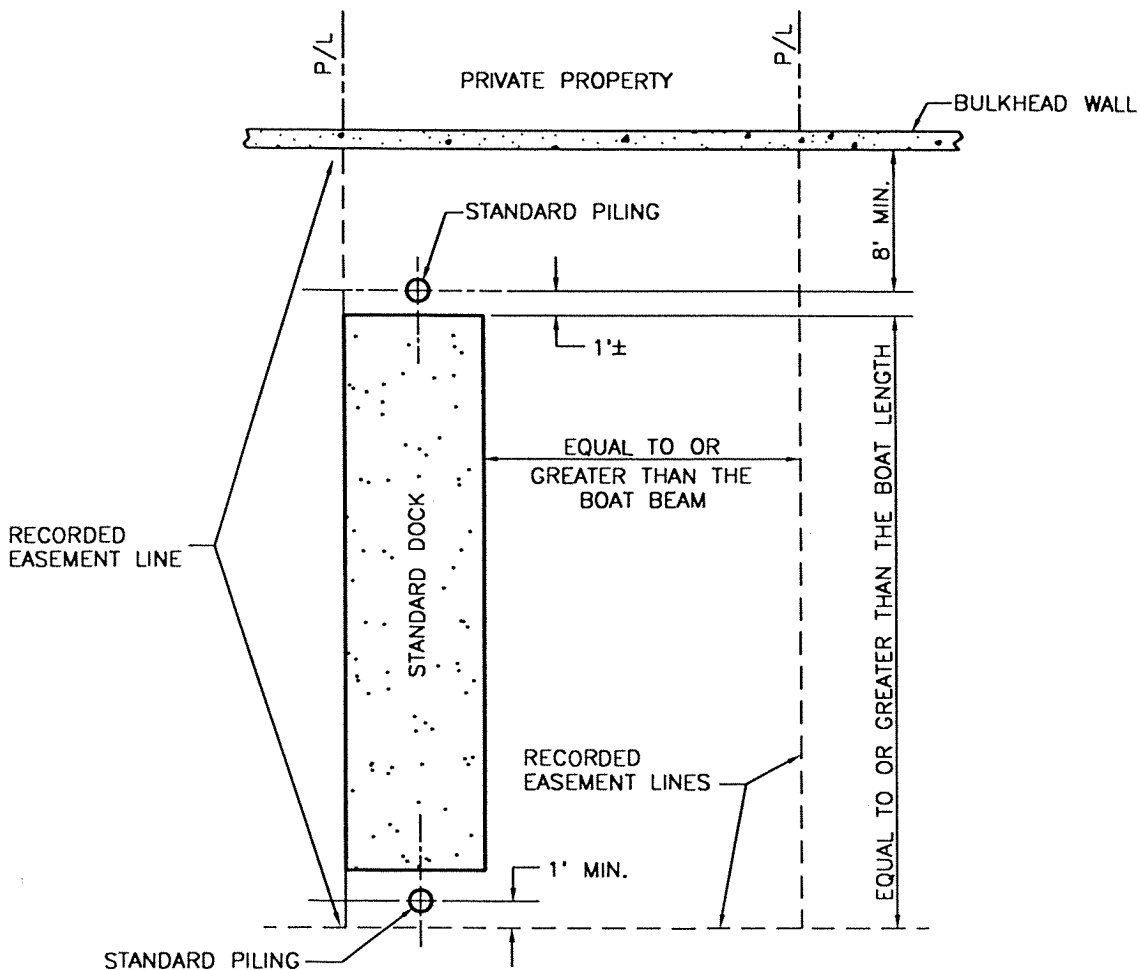
STANDARD GUIDELINES:

1. AN ENCROACHMENT PERMIT AND A BUILDING PERMIT ARE REQUIRED FOR EACH INSTALLATION.
2. THIS STANDARD IS INTENDED FOR SMALL CRAFTS WITH THEIR EXTREME LENGTH AND BEAM DIMENSIONS NO GREATER THAN THE AVAILABLE EASEMENT.
3. DOCK AND PILING LOCATIONS SHALL CONFORM TO THIS STANDARD UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER. STRUCTURAL, MATERIAL AND OTHER STANDARDS SHALL CONFORM TO BUILDING AND SAFETY DIVISION'S REQUIREMENTS.
4. A 4-FOOT MINIMUM OPENING BETWEEN DOCKS SHALL BE PROVIDED FOR MAINTENANCE PURPOSES AT LOCATION(S) DESIGNATED BY THE CITY ENGINEER.
5. ANY MODIFICATION, EXTENSION, ADDITION OR VARIATION TO THIS STANDARD MAY BE GRANTED SUBJECT TO THE FOLLOWING GUIDELINES AS APPROVED BY THE CITY ENGINEER.
 - a) NO PILING, DOCK OR RAMP SHALL BE LOCATED OUTSIDE THE DESIGNATED EASEMENT.
 - b) ALL PILINGS AND DOCK SHALL HAVE A 8-FOOT MINIMUM CLEARANCE FROM THE BULKHEAD WALL FOR MAINTENANCE PURPOSES AND TO PROTECT THE WATERWAY SLOPE PAVING.
 - c) PILING DOCK AND APPURTENANCES SHALL BE DESIGNED AND CONSTRUCTED TO AVOID POTENTIAL FAILURE AND BREAKAWAY OF DOCK
 - d) LOCATION AND CONFIGURATION VARIATION OF PILING, DOCK AND APPURTENANCES SHALL BE DESIGNED SUCH THAT NO BOAT SHALL ENCROACH INTO OTHER EASEMENT(S) WHEN LEAVING THE DOCK OR DURING DOCKING OPERATION, AND NO BOAT SHALL ENCROACH OUTSIDE ITS DESIGNATED EASEMENT WHEN MOORED.
6. ALL PILE AND DOCK INSTALLATION SHALL HAVE PRIOR CLEARANCE AND/OR PERMIT REQUIRED BY THE COASTAL COMMISSION AND CORPS OF ENGINEERS.
7. PILES MAY NOT BE INSTALLED BY JETTING OR ANY OTHER METHOD THAT WOULD COMPROMISE THE INTERGRITY OF THE BULKHEAD WALL OR THE WATERWAY SLOPE PAVING. METHOD OF INSTALLATION MUST BE SPECIFIED ON PLANS.

	PARALLEL DOCK AND PILING LOCATIONS		STANDARD PLAN 2002
	DRAWN: STAFF	CKD.: STAFF	 APPR. Granville M. Bowman
	Department of Public Works		
			PLATE 610 SHEET 1 OF 1

REV.	APPR. BY	DATE

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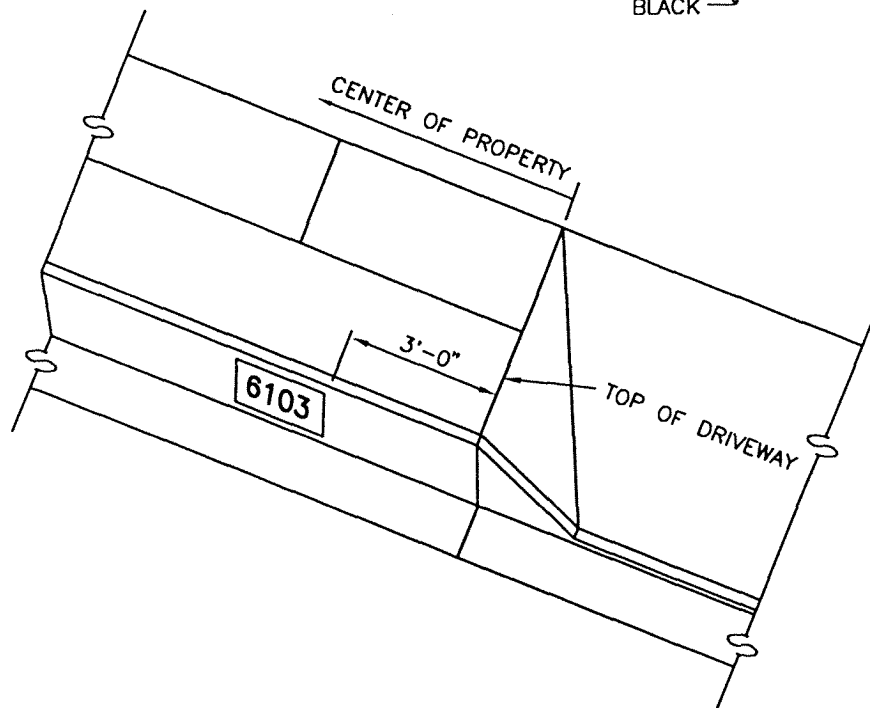
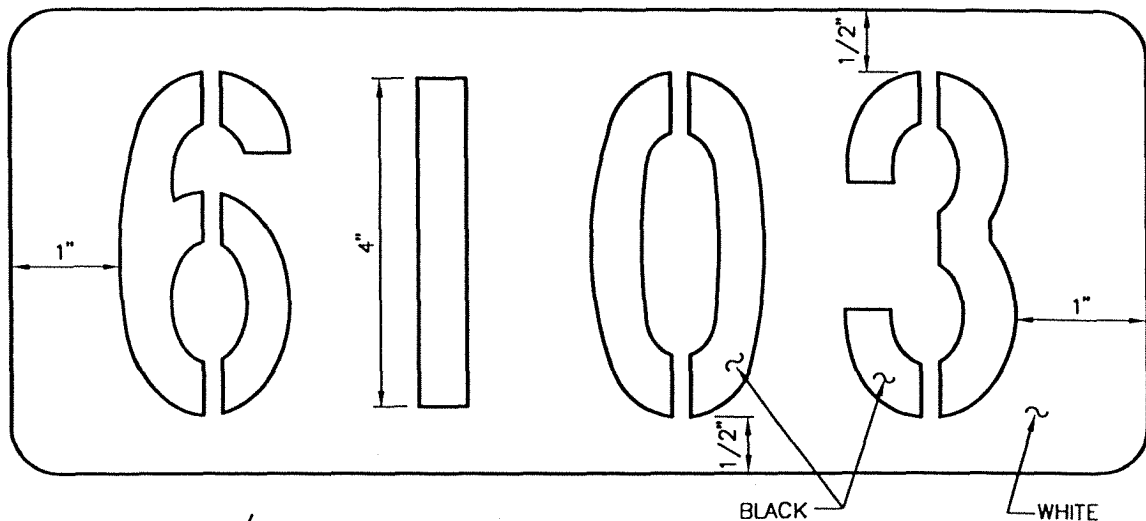
STANDARD GUIDELINES:

1. AN ENCROACHMENT PERMIT AND A BUILDING PERMIT ARE REQUIRED FOR EACH INSTALLATION.
2. THIS STANDARD IS INTENDED FOR SMALL CRAFTS WITH THEIR EXTREME LENGTHS AND BEAM DIMENSIONS NO GREATER THAN THE AVAILABLE EASEMENT.
3. DOCK AND PILING LOCATIONS SHALL CONFORM TO THIS STANDARD UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER. STRUCTURAL MATERIAL AND OTHER STANDARDS SHALL CONFORM TO BUILDING AND SAFETY DIVISION'S REQUIREMENTS.
4. A 4-FOOT MINIMUM OPENING BETWEEN DOCKS SHALL BE PROVIDED FOR MAINTENANCE PURPOSES AT LOCATION(S) DESIGNATED BY THE CITY ENGINEER.
5. ANY MODIFICATION, EXTENSION, ADDITION OR VARIATION TO THIS STANDARD MAY BE GRANTED SUBJECT TO THE FOLLOWING GUIDELINES AS APPROVED BY THE CITY ENGINEER.
 - a) NO PILING, DOCK OR RAMP SHALL BE LOCATED OUTSIDE THE DESIGNATED EASEMENT.
 - b) ALL PILINGS AND DOCK SHALL HAVE A 8' FOOT MINIMUM CLEARANCE FROM THE BULKHEAD WALL FOR MAINTENANCE PURPOSES AND TO PROTECT THE WATERWAY SLOPE PAVING.
 - c) PILING DOCK AND APPURTENANCES SHALL BE LOCATED OR DESIGNED AND CONSTRUCTED IN SUCH A MANNER TO AVOID POTENTIAL FAILURE AND BREAKAWAY OF DOCK ESPECIALLY ON EXTREME LOW TIDE LEVELS.
 - d) LOCATION AND CONFIGURATION VARIATION OF PILING, DOCK AND APPURTENANCES SHALL BE DESIGNED IN SUCH A MANNER THAT NO BOAT SHALL ENCROACH INTO OTHER EASEMENT(S) WHEN LEAVING THE DOCK OR DURING DOCKING OPERATION, AND NO BOAT SHALL ENCROACH OUTSIDE ITS DESIGNATED EASEMENT WHEN MOORED.
6. ALL PILE AND DOCK INSTALLATION SHALL HAVE PRIOR CLEARANCE AND/OR PERMIT REQUIRED BY THE COASTAL COMMISSION AND CORPS OF ENGINEERS.
7. PILES MAY NOT BE INSTALLED BY JETTING OR ANY OTHER METHOD THAT WOULD COMPROMISE THE INTEGRITY OF THE BULKHEAD WALL OR THE WATERWAY SLOPE PAVING. METHOD OF INSTALLATION MUST BE SPECIFIED ON PLANS.

	PERPENDICULAR DOCK AND PILING LOCATIONS		STANDARD PLAN 2002
	DRAWN: STAFF	CKD.: STAFF	APPR.
Department of Public Works			Granville M. Bowman SHEET 1 OF 1

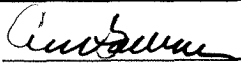
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NOTES:

1. A RECTANGLE OF WHITE PAINT 5" HIGH AND LONG ENOUGH TO ALLOW 1" MARGIN ON EACH END OF NUMBERS, SHALL BE PLACED AS A BACKGROUND, PARALLEL TO THE TOP OF CURB AT THE EDGE OF THE CURB RADIUS AND ON THE VERTICAL CURB FACE.
(a) BACKGROUND PAINT MUST BE COMPLETELY DRY BEFORE APPLYING BLACK NUMBERS.
2. NUMBERS SHALL BE STANDARD GOTHIC STYLE 4", BLACK IN COLOR WITH A 1/2" TOP AND BOTTOM MARGIN.
3. NUMBERING SHOULD BE PLACED ON THE CURB 3' FROM THE TOP OF DRIVEWAY TOWARDS THE CENTER OF PROPERTY OR, IF NO DRIVEWAY IT SHOULD BE PLACED ADJACENT TO THE ENTRANCE WALKWAY OR APPROXIMATELY CENTER OF LOT.
(a) IF THERE IS AN EXISTING HOUSE NUMBER, IT MAY BE RENEWED AT ITS PRESENT LOCATION.
4. PAINT SHALL BE AS RECOMMENDED BY THE MANUFACTURER AS SUITABLE FOR APPLICATION ON CONCRETE.
5. CURB WILL BE THOROUGHLY CLEANED PRIOR TO APPLYING PAINT.

	CITY OF		PAINTED CURB HOUSE NUMBERS		STANDARD PLAN 2002
			DRAWN: STAFF	CKD.: STAFF	PLATE 612
			APPR.  Granville M. Bowman		SHEET 1 OF 1

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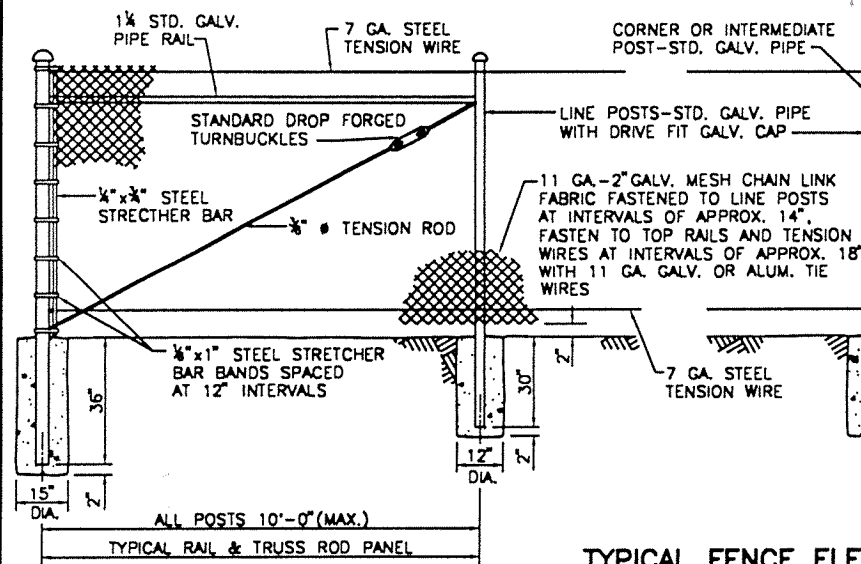
City of
Grand

DRAWN: STAFF
CKD: STAFF
Department of Public Works

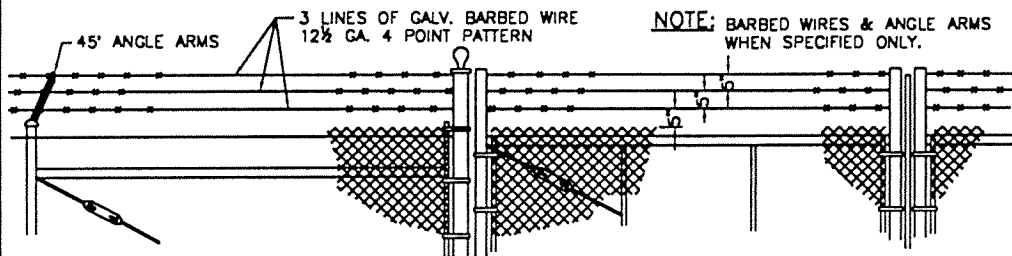
APPR. *Curry*
Granville M. Bowman

STANDARD PLAN
2002
PLATE 613
SHEET 1 OF 1

STANDARD CHAIN LINK FENCE



TYPICAL FENCE ELEVATION

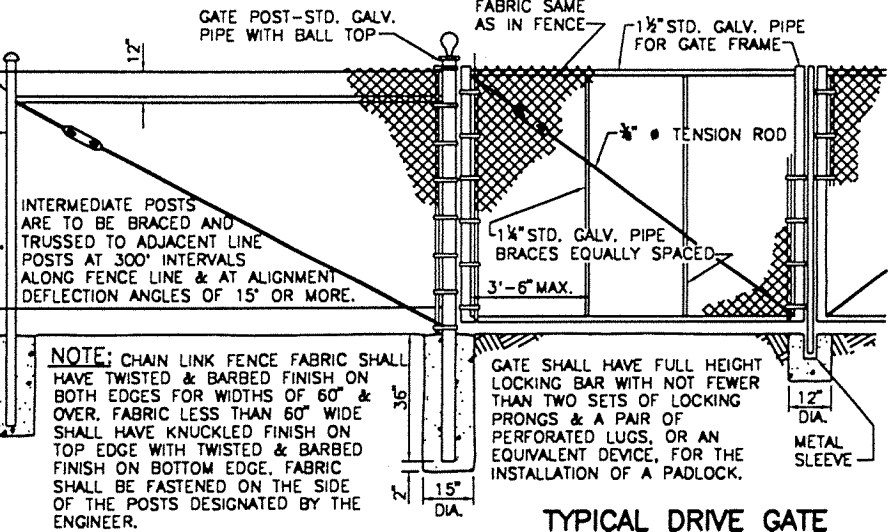


TYPICAL BARBED WIRE FENCE & DRIVE GATES

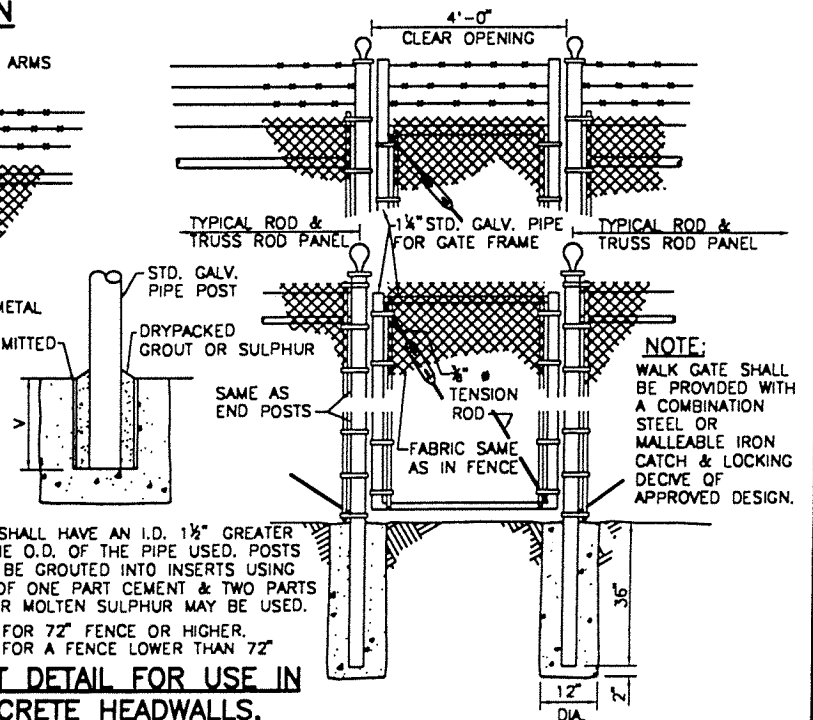
GENERAL NOTES:

- ALL POSTS SHALL BE STANDARD GALVANIZED PIPE & SHALL CONFORM TO THE FOLLOWING:

	SIZE PIPE	WT. PER LIN. FT. BEFORE GALV.
FOR 72" FENCE & OVER:		
END, CORNER & INTERMEDIATE POSTS	2 1/2"	5.79 LBS.
LINE POSTS	2"	3.65 LBS.
DRIVE GATE POSTS-SINGLE TO 6' OR DBL. TO 12' OPENINGS	3"	7.58 LBS.
DRIVE GATE POSTS-SINGLE OVER 6' TO 13' OR DBL. OVER 12' TO 26' INCLUSIVE OPENINGS	4"	10.79 LBS.
FOR FENCE LESS THAN 72":		
END, CORNER & INTERMEDIATE POSTS	2"	3.65 LBS.
LINE POSTS	2 1/2"	5.79 LBS.
DRIVE GATE POSTS-SINGLE TO 6' OR DBL. TO 12' OPENINGS	1 1/2"	2.72 LBS.
DRIVE GATE POSTS-SINGLE OVER 6' TO 13' OR DBL. OVER 12' TO 26' INCLUSIVE OPENINGS	3 1/2"	9.11 LBS.
- ALL POSTS SHALL BE FITTED WITH APPROVED TOPS.
- ALL WALK & DRIVE GATES SHALL BE HUNG BY TWO MALLEABLE IRON HINGES. BOTTOM HINGE TO BE BALL & SOCKET TYPE.



TYPICAL DRIVE GATE



NOTE:
INSERT SHALL HAVE AN I.D. 1/8" GREATER THAN THE O.D. OF THE PIPE USED. POSTS ARE TO BE GROUTED INTO INSERTS USING GROUT OF ONE PART CEMENT & TWO PARTS SAND, OR MOLTEN SULPHUR MAY BE USED.

POST DETAIL FOR USE IN CONCRETE HEADWALLS, RETAINING WALLS, ETC.

TYPICAL WALK GATE

Adopting the 2025 Water System Design and Construction Standards and an Update to the 2002 City of Oxnard Standard Plates and Design Criteria

Tai P. Chau, PE
Assistant Community Development Director

Public Works and Transportation Committee
September 9, 2025

That the Public Works and Transportation Committee recommend that the City Council:

- 1) Adopt a resolution approving the 2025 Water System Design and Construction Standards and an update to the 2002 City of Oxnard Standard Plates and Design Criteria for public works construction; and
- 2) Delegating discretionary authority to the Public Works City Engineer to approve future revisions to the 2025 Water System Design and Construction Standards and 2002 City of Oxnard Standard Plates and Design Criteria; and
- 3) Authorizing the City Manager to take whatever actions are necessary and appropriate to carry out the purpose and intent of this resolution.

- The **2002 City of Oxnard Standard Plates and Design Criteria** sets the design and construction requirements for constructing public infrastructure improvements, including street construction and water/wastewater systems.
- The proposed update to the public water system design and construction standards is a collaborative effort between engineering and waterworks staff to reflect the latest industry standards and waterworks requirements.
- To maintain design immunity, the City Council must approve the new and updated standards and grant the Public Works City Engineer the authority to approve future revisions as per Government Code section 830.6.

- A comprehensive update of the municipal water system design and construction requirements began in 2023 by staff from the Community Development and Public Works Departments.
- The update includes a new set of water engineering standard drawings and specifications that align with current water industry standards and regulations, now presented as a standalone document as the **2025 Water System Design and Construction Standards**.
- The revised and updated standards aim to provide clear and concise guidance for engineers, developers, contractors, and the public regarding public works construction requirements.
- The Public Works City Engineer oversees future revisions to ensure the City-adopted standards remain relevant and up-to-date, maintaining quality control and assurance.

There is no financial impact.



End of Presentation