



SANTA CLARA VALLEY WATER DISTRICT
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Santa Clara Valley Water District

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August 13, 2025

ADDENDUM NO. 1
TO CONTRACT DOCUMENTS FOR THE
SOUTH COUNTY RECYCLED WATER PIPELINE PHASE 1C PROJECT
Project No. 91094009 Contract No. C0723
Invitation No. VW0596

Notice is hereby given to Prospective Bidders that the Contract Documents are modified as hereinafter set forth.

SPECIFICATIONS AND CONTRACT DOCUMENTS

SPECIAL PROVISIONS

Section 16. Work Constraints and Site Restrictions

1. **ADD** the following as Paragraph F to Article 16.01. General Work Constraints.

“F. The Contractor shall limit all construction activities, including but not limited to excavation, equipment operation, material storage, and staging, to within the designated 15-foot-wide permanent easement as shown on the Drawings and included as ‘Water Pipeline Easement Agreement’, Document No. 9109-90, dated October 15, 2024 in Appendix E. No encroachment beyond the easement boundaries will be permitted. The Contractor shall solely be responsible for ensuring that all personnel, subcontractors, and suppliers shall comply with the easement limits at all times. Any damage to property outside the easement limits shall be promptly repaired at the Contractor's expense to the satisfaction of the Engineer and the property owner. Prior to construction, the Contractor shall survey and clearly mark the limits of the 15-foot easement.”

2. **ADD** 16.05.04. Permanent Easement under Rights of Way.

“16.05.04. Permanent Easement

- A. Valley Water obtained permanent easement agreements with its respective property owners listed in the following table along the limits of Work for use during construction of this Project. The Contractor shall be fully aware of the conditions stipulated in the agreements and limit all construction activities, including but not limited to excavation, equipment operation, material storage, and staging to the permanent easement (PE) as shown within the drawings.

Owner	APN	Location/Description
Green Valley Corporation	841-17-084	East of Luchessa Avenue
Green Valley Corporation	841-17-086	Cameron Bouelvard

- B. A copy of the PE agreement is included in Appendix E
- C. Access to the permanent construction easement areas shall only be permitted from the existing Valley Water rights of way or from public streets. Entry to or egress from the PE areas outside the existing Valley Water rights of way or public streets will not be allowed.
- D. The Contractor shall notify the Engineer with an advance written notice at least five (5) Days before entry onto the property
- E. When use of the PE is no longer required the Contractor shall clean all debris and leave the property in a neat, clean, and presentable condition and notify the owner that the Work is complete.
- F. Full compensation for conforming to the requirements of this Special Provisions Article and to the conditions stipulated in the PE agreement between Valley Water and the property owners shall be considered as included in the various Contract items of Work. No additional payment shall be made. ”

Section 21. Payment Procedures

3. **REPLACE** Article 21.01.02. Description of Bid Items with:

“21.01.02. Description of Bid Items

A. Bid Item No. 1 – Mobilization

1. Scope of Work: This bid item shall include payments for bonds and insurance and all preparatory work and materials necessary for construction operations, including, but not limited to those necessary for the movement of personnel, equipment, supplies, and incidentals to the project site; for the establishment and removal of field offices, temporary buildings, and other temporary facilities necessary for work on the project; cleanup of the site; other work and operations which must be performed or costs incurred prior to beginning work on the various contract items on the project site; and other work as specified in these Specifications.
2. Measurement and Payment: Full compensation for furnishing all labor, materials, tools, equipment, and incidentals required for mobilization,

as shown on the Drawings and as specified in these Specifications, shall be included in the lump sum price bid for Mobilization, Bid Item No. 1. Progress payments will be made in accordance with Section 9 of the State Specifications.

B. Bid Item No. 2 – Clearing and Grubbing

1. Scope of work: This bid item shall include furnishing all supervision, labor, materials, tools, equipment, and incidentals necessary for doing clearing and grubbing as shown on the Drawings and specified in these Specifications. It shall include, but is not limited to, clearing and grubbing only those areas where construction is required including the removal, abandonment and plugging of abandoned facilities, removal and disposal of trees where designated, removal and disposal of debris, fences, rubble, asphalt pavement, and all objectionable materials from the work site, and other miscellaneous work as required.
2. Measurement and Payment: Full compensation for furnishing all labor and materials for Clearing and Grubbing shall be included in the lump sum price bid for Clearing and Grubbing, Bid Item No. 2.

C. Bid Item No. 3 – Compliance with NPDES General Permit

1. Scope of work: This bid item shall include furnishing all supervision, labor, materials, tools, equipment, and incidentals necessary to prepare, maintain and implement all work required for compliance with the requirements of the State Water Resources Control Board (SWRCB) National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (Order # **2022-0057-DWQ**), and any other related State, County, or local requirements.
2. Measurement and Payment: Full compensation for furnishing all labor and materials for Compliance with NPDES General Permit requirements shall be included in the lump sum price for Compliance with NPDES General Permit, Bid Item No. 3.

D. Bid Item No. 4 – Environmental Monitoring and Compliance

1. Scope of work: This bid item shall include doing all work, providing all equipment, and furnishing all materials required to protect, monitor, and restore all environmental conditions as specified in these Specifications and as shown on the Drawings.
2. Measurement and Payment: Full compensation for doing all work and furnishing all labor and materials required for the work as specified in these Specifications and as shown on the Drawings shall be included in the lump sum price for Environmental Monitoring and Compliance, Bid Item No. 4.

E. Bid Item No. 5 – Completion of Encroachment Permits (Force Account)

1. Scope of work: This bid item shall include doing all work, providing all equipment, and furnishing all materials required to complete, obtain, and comply with all encroachment permits required for all work (excluding traffic control, see Bid Item No. 9) as specified in these Specifications and as shown on the Drawings.
2. Measurement and Payment: All bidders shall bid the amount shown on the bid form for Completion of Encroachment Permits, Bid Item No. 5. This amount is an estimate only, and the Bid Item will be used to reimburse the Contractor. Compensation shall be limited to actual fees paid by the Contractor for compliance with the Encroachment Permits without markup.

F. Bid Item No. 6 – Quality Assurance/Quality Control

1. Scope of work: This bid item shall include furnishing all supervision, labor, materials, tools, equipment, and incidentals necessary to perform inspections and testing of pipeline and appurtenances as specified in these Specifications.
2. The work includes, but not limited to analyzing and testing the quality of construction material and soils; performing inspections and testing on installation of all construction materials such as coating, backfill compaction and density, electrical and control systems, corrosion monitoring and protection systems, and all other incidentals necessary to complete the work in place; as shown on the Drawings in accordance with applicable acceptance criteria, standards, codes, manufacturer's recommendations and these Specifications.
3. Measurement and Payment: Full compensation for furnishing all labor and materials for Quality Assurance/Quality Control shall be included in the lump sum price for Quality Assurance/Quality Control, Bid Item No. 6.

~~G. Bid Item No. 7 – Hydrostatic Testing~~

- ~~1. Scope of Work: This bid item shall include furnishing all supervision, labor, materials, tools, equipment, and incidentals necessary to perform hydrostatic testing and flushing of all project water mains, valves, laterals and appurtenances in accordance with applicable AWWA standards and as specified in these Specifications.~~
- ~~2. Measurement and Payment: Full compensation for furnishing all labor and materials for the Hydrostatic Testing and Flushing shall be included in the lump sum price for Hydrostatic Testing, Bid Item No. 7.~~

G. Bid Item No. 7 – Control of Water

1. Scope of Work: This bid item shall include furnishing all supervision, labor, materials, tools, equipment, and incidentals necessary to control water, remove sediment and dispose water, ensuring all work can be performed under dry conditions.
2. Measurement and Payment: Full compensation for furnishing all labor and materials for the Control of Water shall be included in the lump sum price for Control of Water, Bid Item No. 7.

H. Bid Item No. 8 –Traffic Control

1. Scope of Work: This bid item shall include furnishing all supervision, labor, materials, tools, equipment, and incidentals necessary to permit and provide all required Traffic Control measures in accordance with applicable City, County and State Standards and State Specifications and these Specifications, including the deployment of uniformed police officers or certified flaggers, as required by the jurisdiction having authority.
2. Measurement and Payment: Full compensation for furnishing all labor and materials for Traffic Control shall be included in the lump sum price for Traffic Control, Bid Item No. 8.

I. **Bid Item No. 9 – Connection Assembly at STA. 300+00 – Phase 1C**

1. **Scope of Work: This bid item shall include furnishing all supervision, labor, materials, tools, equipment, and incidentals necessary to furnish and install the Phase 1C connection to the existing 36" tee located at STA. 300+00 shown on the Drawings and as specified in these Specifications.**
2. **This work includes, but is not limited to; all excavation; surface restoration; the installation, assembly and/or placement of vertical shoring, furnishing and installing 36-inch x 24-inch reducer 24-inch butterfly valve, 24-inch restrained dismantling joint, HDPE to steel connection, pipeline surface preparation, 4-inch combination air release valve, 4-inch piping, 4-inch ball valves, combination air release valve ventilation enclosure, air release valve enclosure, valve stem extensions for the 24-inch butterfly valve and 36-inch butterfly valve, installation of traffic-rated valve boxes, assembly epoxy coating, bollards, and other incidentals necessary to complete the work in place and restore the site to its original condition, as detailed on the construction plans.**
3. **Measurement and Payment: Full compensation for furnishing all labor and materials for the construction of the Phase 1C connection assembly shall be included in the lump sum price of the Connection Assembly at STA. 300+00, Bid Item No. 9.**

J. Bid Item No. 10 – 24-inch High Density Polyethylene (HDPE) Pressure Pipe – Phase 1C

1. Scope of Work: This bid item shall include furnishing all supervision, labor, materials, tools, equipment, and incidentals necessary to manufacture, deliver, and install the 24-inch solid wall HDPE pressure pipe for Phase 1C with thermal butt fusion joints as shown on the Drawings and as specified in these Specifications.
2. Measurement and Payment: Full compensation for furnishing all labor and materials for the 24-inch High Density Polyethylene Pressure Pipe for Phase 1C shall be included in the unit bid price per linear foot for 24-inch HDPE Pressure Pipe – Phase 1C, Bid Item No. 10.

K. Bid Item No. 11 – Telemetry Conduits – Phase 1C

1. Scope of Work: This bid item shall include furnishing all supervision, labor, materials, tools, equipment, and incidentals necessary to install the Telemetry Conduits for Phase 1C as shown on the Drawings and as specified in the Specifications.
2. Measurement and Payment: Full compensation for furnishing all labor and materials to install the Telemetry Conduits for Phase 1C shall be included in the lump sum price for Telemetry Conduits – Phase 1C, Bid Item No. 11.

L. Bid Item No. 12 – Corrosion Monitoring and Mitigation System – Phase 1C

1. Scope of Work: This bid item shall include furnishing all supervision, labor, materials, tools, equipment, and incidentals necessary to install the Corrosion Monitoring and Mitigation System for Phase 1C as shown on the Drawings and as specified in the Specifications.
2. Measurement and Payment: Full compensation for furnishing all labor and materials to install the Corrosion Monitoring and Mitigation System for Phase 1C shall be included in the lump sum price for Corrosion Monitoring and Mitigation System – Phase 1C, Bid Item No. 12.

M. Bid Item No. 13 – Hydrostatic Testing – Phase 1C

1. Scope of Work: This bid item shall include furnishing all supervision, labor, materials, tools, equipment, and incidentals necessary to perform hydrostatic testing and flushing of all project water mains, valves, laterals and appurtenances for Phase 1C in accordance with applicable AWWA standards and as specified in these Specifications.
2. Measurement and Payment: Full compensation for furnishing all labor and materials for the Hydrostatic Testing and Flushing for Phase 1C

shall be included in the lump sum price for Hydrostatic Testing – Phase 1C, Bid Item No. 13.

N. Bid Item No. 14 – Pavement Restoration – Phase 1C

1. Scope of Work: This bid item shall include furnishing all supervision, labor, materials, tools, equipment, and incidentals necessary to restore asphalt concrete (AC) pavement, traffic stripes, pavement markings, sidewalks, driveways, curbs, gutters and all other such incidentals removed for installation of the pressure pipe and associated appurtenances to a condition equal to or better than that existing prior to construction for Phase 1C as shown on the Drawings and as specified in the Specifications.
2. Measurement and Payment: Full compensation for furnishing all labor and materials for Pavement Restoration for Phase 1C shall be included in the lump sum price for Pavement Restoration – Phase 1C, Bid Item No. 14.

O. Bid Item No. 15 – Exploratory Investigation – Phase 1C

1. Scope of Work: This bid item shall include furnishing all supervision, labor, materials, tools, equipment, and incidentals necessary to permit and perform exploratory excavations (potholes) for Phase 1C to locate existing pipelines and other utilities prior to submittal preparation, demolition, trenching and general excavations. Work to be performed in accordance with applicable City, County and State Standards and these Specifications.
2. Measurement and Payment: Full compensation for furnishing all labor and materials for Exploratory Investigation for Phase 1C shall be included in the lump sum price for Exploratory Investigation – Phase 1C, Bid Item No. 15.

P. Bid Item No. 16 – Trench Excavation for Pressure Pipe – Phase 1C

1. Scope of Work: This bid item shall include furnishing all supervision, labor, materials, tools, equipment, and incidentals necessary for trench excavation for the construction of Pressure Pipe for Phase 1C as shown on the Drawings and as specified in these Specifications.
2. Measurement and Payment: Full compensation for furnishing all labor and materials for the Trench Excavation for Pressure Pipe for Phase 1C shall be included in the unit bid price per cubic yard for Trench Excavation For Pressure Pipe – Phase 1C, Bid Item No. 16.

Q. Bid Item No. 17 – Pipe Bedding for Pressure Pipe – Phase 1C

1. Scope of Work: This bid item shall include furnishing all supervision, labor, materials, tools, equipment, and incidentals necessary to furnish and install CDF as Pipe Bedding for the installation of Pressure Pipe

for Phase 1C as shown on the Drawings and as specified in these Specifications.

2. Measurement and Payment: Full compensation for furnishing all labor and materials for the installation of CDF as Pipe Bedding for the construction of Pressure Pipe for Phase 1C shall be included in the unit bid price per cubic yard for Pipe Bedding for Pressure Pipe – Phase 1C, Bid Item No. 17.

R. Bid Item No. 18 – Type “A” Backfill – Phase 1C

1. Scope of Work: This bid item shall include furnishing all supervision, labor, materials, tools, equipment, and incidentals necessary to furnish and install Type “A” backfill material for the construction of Pressure Pipe for Phase 1C as shown on the Drawings and as specified in these Specifications.
2. Measurement and Payment: Full compensation for furnishing all labor and materials for the installation of Type “A” backfill material for the construction of Pressure Pipe for Phase 1C shall be included in the unit bid price per cubic yard for Type “A” Backfill – Phase 1C, Bid Item No. 18.

S. Bid Item No. 19 – Traffic Rated In-Vault Air Release Valve Assembly – Phase 1C

1. Scope of Work: This bid item shall include furnishing all supervision, labor, materials, tools, equipment, and incidentals necessary to furnish and install the in-vault air release valve assemblies for Phase 1C as shown on the Drawings and as specified in the Specifications.
2. The work includes, but is not limited to; all excavation and dewatering; the installation, assembly and/or placement of the HDPE nozzle and outlet, HDPE flange adapters and stainless steel back up rings, CDF bedding and encasement, reinforced concrete precast vault base, flanged reducing nozzles, flanged butterfly valve, combination air release valve and associated ARV piping, fittings and supports, precast concrete vault with lockable access hatch or manhole cover as applicable, valve stem extensions, valve boxes with concrete support rings, below grade precast concrete vault waterproofing, assembly epoxy coating, backfill and compaction; hauling and disposal of surplus excavated materials; and all other incidentals necessary to complete the work in place and restore the site to its original condition, as detailed on the construction plans.
3. Measurement and Payment: Full compensation for furnishing all labor and materials for the construction of the Air Release Valve Assemblies for Phase 1C shall be included in the per unit bid price for each Traffic Rated In-Vault Air Release Valve Assembly – Phase 1C, Bid Item No. 19.

T. Bid Item No. 20 – In-Vault Pump Out Riser Assembly @ STA 322+68
– Phase 1C

1. Scope of Work: This bid item shall include furnishing all supervision, labor, materials, tools, equipment, and incidentals necessary to furnish and install the in-vault pump out riser for Phase 1C as shown on the Drawings and as specified in the Specifications.
2. The work includes, but is not limited to; the installation, assembly and/or placement of the flanged cement mortar coated and lined welded steel spools with flanged nozzle and outlet, reinforced concrete precast vault base, flanged reducing nozzles, flanged gate valve with miter gear, precast concrete vault with lockable access hatch or manhole cover as applicable, concrete valve supports, valve stem extensions, valve boxes with concrete support rings, below grade precast concrete vault waterproofing, assembly epoxy coating, guard posts and/or marking posts as applicable, **removal of the existing fence and installation of a double swing gate and posts at approximately STA 330+32, removal and replacement of curb and gutter as applicable, removal and replacement of concrete driveway panels as applicable**, backfill and compaction; hauling and disposal of surplus excavated materials; and all other incidentals necessary to complete the work in place and restore the site to its original condition, as detailed on the construction plans.
3. Measurement and Payment: Full compensation for furnishing all labor and materials for the construction of the In-Vault Pump Out Riser Assembly for Phase 1C shall be included in the lump sum price for In-Vault Pump Out Riser Assembly @ STA 322+68 – Phase 1C, Bid Item No. 20.

U. Bid Item No. 21 – Ex Recycled Water Pipeline Draining, Cleaning and Video Inspection at Princeville Storm Drain – Phase 1C

1. Scope of Work: This bid item shall include furnishing all supervision, labor, materials, tools, equipment, and incidentals necessary to Drain, Clean and Video Inspect the 12-inch existing recycled water pipeline as shown on the Drawings and as specified in the Specifications.
2. Measurement and Payment: Full compensation for furnishing all labor and materials to Drain, Clean and Video Inspect the 12-inch existing recycled water pipeline shall be included in the lump sum price for Ex Recycled Water Pipeline Draining, Cleaning and Video Inspection at Princeville Storm Drain – Phase 1C, Bid Item No. 21.

V. Bid Item No. 22 – Ex Recycled Water Connection Assembly @ Princeville Storm Drain – Phase 1C

1. Scope of Work: This bid item shall include furnishing all supervision, labor, materials, tools, equipment, and incidentals necessary to furnish and install the connection to the existing 12-inch Recycled Water Pipeline at Princeville Storm Drain as shown on the Drawings and as specified in the Specifications.
2. The work includes, but is not limited to; all excavation and dewatering; the installation, assembly and/or placement of vertical shoring, below grade precast vault, traffic rated frame and cover, 12-inch service butterfly valves, 12-inch restrained dismantling joints, 12-inch flanged fusion bonded epoxy coated and cement mortar coated welded steel piping, gate valve assembly, **pipeline surface preparation, coating and lining of all internal and external, and in-vault, and exposed pipeline appurtenances, and associated component surfaces**, HDPE reducer, HDPE flange adapter and stainless steel backup ring, concrete thrust block on the existing 12-inch RCW pipeline, and all other incidentals necessary to complete the work in place and restore the site to its original condition, as detailed on the construction plans. All work requiring the shutdown of the existing facilities as it relates to the connection of the new pipeline to the existing facilities shall be completed during one (1) shutdown that is to be coordinated and scheduled with Valley Water and SCRWA.
3. No work or access shall be permitted in the Princeville Storm Drain adjacent to the existing 12-inch RCW Pipeline. All vertical shoring and related components shall not cross the top of bank of the Princeville Storm Drain.
4. Measurement and Payment: Full compensation for furnishing all labor and materials for the construction of the 12-inch Existing Recycled Water connection assembly shall be included in the lump sum price for Ex Recycled Water Connection Assembly @ Princeville Storm Drain – Phase 1C, Bid Item No. 22.

W. Bid Item No. 23 – Filter Fabric – Supplemental Work

1. Scope of Work: This **supplemental** bid item shall include furnishing all supervision, labor, materials, tools, equipment, and incidentals necessary to furnish and place Filter Fabric at locations where subgrade filler is required as determined in the field by the Engineer in conditions where the subgrade is unstable, as shown on the Drawings and as specified in the Specifications.
2. Measurement and Payment: Full compensation for furnishing all labor and materials for the installation of Filter Fabric shall be included in the unit bid price per the square foot for Filter Fabric – Supplemental Work, Bid Item No. 23.

3. Number of Square Feet: 5,000

X. Bid Item No. 24 – Gravel Subgrade – Supplemental Work

1. Scope of Work: This **supplemental** bid item shall include furnishing all supervision, labor, materials, tools, equipment, and incidentals necessary to furnish and place of Gravel Subgrade at locations determined in the field by the Engineer in conditions where subgrade is unstable, as shown on the Drawings and as specified in the Specifications.
2. Measurement and Payment: Full compensation for furnishing all labor and materials for the installation of Gravel Subgrade shall be included in the unit bid price per the cubic yard for Gravel Subgrade – Supplemental Work, Bid Item No. 24.

3. Number of Cubic Yards: 500

Y. Bid Item No. 25 – Utility Relocation – Supplemental Work

1. Scope of Work: This **supplemental** bid item shall include furnishing all supervision, labor, materials, tools, equipment, and incidentals necessary to Relocate Existing Utilities as determined in the field by the Engineer in conditions where unforeseen utility conflicts arise, as specified in the Specifications.
2. Measurement and Payment: Full compensation for furnishing all labor and materials for the Relocation of Existing Utilities shall be included in a Force Account basis **for Utility Relocation, Bid Item No. 25**. This is a not-to-exceed time and materials bid item price. Contractors shall bid the provided not-to-exceed amount for this bid item. This bid item shall be paid for on a justified time and material basis.

~~Z. Bid Item No. 26 – Install of Additional 18-inch High Density Polyethylene (HDPE) Pressure Pipe – Supplemental Work~~

- ~~1. Scope of Work: This bid item shall include furnishing all supervision, labor, materials, tools, equipment, and incidentals necessary to manufacture, deliver, excavate, backfill, compact, install, test and flush additional 18-inch solid wall HDPE pressure pipe with thermal butt fusion joints and associated telemetry conduits, and perform surface restoration as shown on the Drawings and as specified in these Specifications.~~
- ~~2. Measurement and Payment: Full compensation for furnishing all labor and materials for the 18-inch High Density Polyethylene Pressure Pipe, telemetry cables for Phase 1C shall be included in the unit bid price per linear foot for 18-inch HDPE Pressure Pipe, Bid Item No. 26.~~
- ~~3. Number of Linear Feet: 150~~

~~AA. Bid Item No. 27—Install of Additional 24-inch High Density Polyethylene (HDPE) Pressure Pipe—Supplemental Work~~

- ~~1. Scope of Work: This bid item shall include furnishing all supervision, labor, materials, tools, equipment, and incidentals necessary to manufacture, deliver, excavate, backfill, compact, install, test and flush additional 24-inch solid wall HDPE pressure pipe with thermal butt fusion joints and associated telemetry conduits, and perform surface restoration as shown on the Drawings and as specified in these Specifications.~~
- ~~2. Measurement and Payment: Full compensation for furnishing all labor and materials for the 24-inch High Density Polyethylene Pressure Pipe, telemetry cables for Phase 1C shall be included in the unit bid price per linear foot for 24-inch HDPE Pressure Pipe—Phase 1C, Bid Item No. 27.~~
- ~~3. Number of Linear Feet: 150~~

~~BB. Bid Item No. 28—Install of Additional Thrust Blocks—Supplemental Work~~

- ~~1. Scope of Work: This bid item shall include furnishing all supervision, labor, materials, tools, equipment, and incidentals necessary to excavate, backfill, compact, install concrete thrust blocks, and perform surface restoration.~~
- ~~2. Measurement and Payment: Full compensation for furnishing all labor and materials for the 24-inch High Density Polyethylene Pressure Pipe, telemetry cables for Phase 1C shall be included in the unit bid price per linear foot for 24-inch HDPE Pressure Pipe—Phase 1C, Bid Item No. 28.~~
- ~~3. Number of Additional Thrust Blocks: 8~~

~~Z. Bid Item No. 29—Corrosion Monitoring and Mitigation System—Supplemental Work~~

- ~~1. Scope of Work: This **supplemental** bid item shall include furnishing all supervision, labor, materials, tools, equipment, and incidentals necessary to install the Corrosion Monitoring and Mitigation System as shown on the Drawings and as specified in the Specifications.~~
- ~~2. Measurement and Payment: Full compensation for furnishing all labor and materials to install the Corrosion Monitoring and Mitigation System for Phase 1C shall be included in the unit bid price per each Corrosion Monitoring and Mitigation System Bid Item No. 29.~~
- ~~3. Number of Additional Corrosion Monitoring and Mitigation Systems: 5~~

~~AA. Bid Item No. 26 – Additional Potholing to Locate Utilities – Supplemental Bid Item~~

1. Scope of Work: This **supplemental** bid item shall include furnishing all supervision, labor, materials, tools, equipment, and incidentals necessary to permit and perform exploratory excavations (potholes) to locate utilities that cannot be inferred by the drawings or not shown on the Drawings. Work to be performed in accordance with applicable City, County and State Standards and these Specifications.
2. Measurement and Payment: Full compensation for furnishing all labor and materials for Exploratory Investigation shall be included in the bid price per each pothole, Bid Item No. 26.
3. Number of Additional Potholes: 20

~~EE. Bid Item No. 64 — Professionally Facilitated Project Partnering
— Supplemental Work~~

- ~~1. Scope of Work: This supplemental bid item shall include doing all work, providing all equipment, and furnishing all materials required to establish and maintain a professional partnering relationship with the District. See Article 3.15 for specific scope of work for this bid item.~~
- ~~2. Measurement and Payment: All bidders shall bid the provided amount for Professionally Facilitated Project Partnering. This amount is estimated only, and the Bid Item will be used to reimburse the Contractor for the District's share in accordance with Standard Provisions Article 3.15.02, Professionally Facilitated Project Partnering.~~

APPENDICIES

4. **ADD ATTACHMENT NO. 1**, "Water Pipeline Easement Agreement", Document No. 9109-90, Dated 10/15/2024 to Appendix E.

CONSTRUCTION MAP AND PLANS

5. **REPLACE** the following revised plan sheets with **ATTACHMENT NO. 2**.
 - 1) G-01 (Sheet 1) LOCATION MAP AND TITLE SHEET
 - 2) G-02 (Sheet 2) INDEX MAP
 - 3) G-03 (Sheet 3) SHEET INDEX
 - 4) G-05 (Sheet 5) GENERAL NOTES
 - 5) G-06 (Sheet 6) SURVEY CONTROL INFORMATION
 - 6) G-07 (Sheet 7) SURVEY CONTROL MAP
 - 7) G-08 (Sheet 8) PHASE 1C SURVEY LAYOUT, CONTROL INFO AND ROW MAP I
 - 8) C-01 (Sheet 9) PLAN AND PROFILE STA 300+00 TO 309+00
 - 9) C-02 (Sheet 10) PLAN AND PROFILE STA 309+00 TO 319+00
 - 10) C-03 (Sheet 11) PLAN AND PROFILE STA 319+00 TO 329+00
 - 11) C-04 (Sheet 12) PLAN AND PROFILE STA 329+00 TO 332+50

THIS ADDENDUM NO. 1, WHICH CONTAINS 14 PAGES AND 2 ATTACHMENT(S), IS ATTACHED TO AND IS A PART OF THE SPECIFICATIONS AND CONTRACT DOCUMENTS FOR THIS PROJECT.

DocuSigned by:

Emmanuel Aryee

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8/12/2025

Date:

Emmanuel Aryee, P.E.
Deputy Operating Officer
Water Utility Capital Division

ENCLOSURE(S):

ATTACHMENT NO. 1 "Water Pipeline Easement Agreement", Document No. 9109-90, Dated 10/15/2024

ATTACHMENT NO. 2: Revised Plan Sheets G-01, G-02, G-03, G-05, G-06, G-07, G-08, C-01, C-02, C-03, and C-04

**ATTACHMENT 1
ADDENDUM NO. 1
TO CONTRACT DOCUMENTS FOR THE
SOUTH COUNTY RECYCLED WATER PIPELINE
PHASE 1C PROJECT
Project No. 91094009 Contract No. C0723
Invitation No. VW0596**

25711398

Regina Alcomendras
Santa Clara County - Clerk-Recorder
10/15/2024 09:07 AM

CONFORMED COPY

**RECORD WITHOUT FEE UNDER CALIFORNIA
GOVERNMENT CODE SECTION 6103**

Copy of document recorded.
Has not been compared with original.

**AFTER RECORDING RETURN TO:
REAL ESTATE SERVICES UNIT
SANTA CLARA VALLEY WATER DISTRICT
5750 ALMADEN EXPRESSWAY
SAN JOSE, CALIFORNIA 95118**

SPACE ABOVE THIS LINE FOR RECORDER'S USE

APN: 841-17-084, 841-17-086 (portion)

DOCUMENT NO.: 9109-90

WATER PIPELINE EASEMENT AGREEMENT

Green Valley Corporation, a California corporation, hereinafter referred to as "Grantor," does hereby grant, convey and dedicate to the SANTA CLARA VALLEY WATER DISTRICT, a Special District created by the California Legislature, hereinafter referred to as "Grantee," an easement for the purpose of maintaining an underground recycled water pipeline and related underground improvements referred to as the South County Recycled Water Pipeline (the "Pipeline"), subject to the restrictions, covenants, rights and duties set forth in this "Easement Agreement."

1. **Easement Area.** The "Easement Area" is the 15-foot-wide strip of land that is depicted and described in Exhibit "A" attached hereto and made a part hereof, which is located on the real property commonly known as Cameron Boulevard, Gilroy, California (the "Property"). Grantee may mark the location of the Easement Area by suitable markers placed in fences or other locations which will not interfere with Grantor's use of the Easement Area. The underground portion of the Easement Area is exclusive to the Grantee. Grantor will keep the Easement Area clear of any permanent structures and will not cause any activities that will compromise the structural integrity of the Pipeline.
2. **Term.** The rights granted pursuant to this Easement Agreement shall continue in full force and effect from the date this Easement Agreement is recorded in the official records of Santa Clara County, California and continue in perpetuity unless otherwise terminated by Grantee or the Grantee abandons its use of the Easement Area.
3. **Permitted Use.** During the Term, Grantee may use the Easement Area solely for purposes of constructing, maintaining, repairing, servicing, inspecting, and modifying the underground Pipeline (the "Permitted Use"). "Constructing" includes all soil movement, and specifically includes but is not limited to excavation, stockpiling, backfilling, grading, and transportation.
4. **Condition of Easement Area.** Grantee accepts the Easement Area in the condition existing as of the date hereof, without representation or warranty of any kind from Grantor, or any duty or obligation of Grantor to maintain the Easement Area. Grantee shall keep the Easement Area in a neat, orderly, and safe condition at all times, and shall close all trenches, pits, holes or access points promptly after accessing the Pipeline. Grantor shall

DOCUMENT NO.: 9109-90

keep the Easement Area clear of any type of building, fence, structure, pavement or trees unless prior written approval is first obtained by Grantee.

5. Access. Grantee and Grantee's representatives, agents, employees, contractors and designees shall have the right, at reasonable times, to enter upon the Easement Area during normal business hours or in matters of an emergency consisting of health, safety, or environmental impact, in connection with the Permitted Use. Grantee agrees that: (i) Grantee will inform Grantor at least one (1) business day in advance of the intended dates of all entries; (ii) any entry by Grantee, its representative, agents or designees will not unreasonably interfere with Grantor's or any of the tenants' or occupants' use of the Property or the Easement Area; (iii) Grantee will comply with all applicable laws; (iv) Grantee shall not permit any liens to attach to the Easement Area or the Property for any reason whatsoever; (v) Grantee shall promptly repair any damage to the Easement Area or the Property caused by such access and use; and (vi) Grantee will indemnify, defend (with counsel reasonably acceptable to Grantor) and hold Grantor harmless for, from and against any and all claims, damages, costs, liabilities and losses (including mechanics' liens and attorneys' fees) arising out of any entry by Grantee or its agents, designees or representatives except to the extent caused by the gross negligence or willful misconduct of Grantor. Notwithstanding anything to the contrary contained herein, Grantee shall not conduct any intrusive, invasive or destructive testing including, without limitation, any soil or subsurface tests, on the Easement Area or the Property. Prior to any Grantee Party's entry onto the Easement Area, Grantee shall deliver to Grantor evidence of self-insurance evidencing a commercial general liability insurance policy, with blanket contractual obligations endorsement, having a combined single limit in a commercially reasonable amount for injury to or death of one or more persons in an occurrence and for damage to property (including loss of use) in an occurrence and identifying Grantor as an additional named insured. The Grantee Party's insurance coverage may be provided under a blanket policy carried by the Grantee Party or by its affiliates, agents, consultants or contractors, as the case may be. The Grantee Party's insurance policy shall be primary and non-contributing with respect to any liability insurance carried by Grantor and shall contain a full waiver of subrogation clause.

6. As-Is; Indemnification; Release.

a. As-Is. Grantee accepts all risk relating to its use of the Easement Area. Grantor shall not be liable to Grantee for, and Grantee hereby waives, releases, exonerates, discharges and covenants not to sue Grantor, from all liability, whether in contract, tort, or other basis, for any injury, harm, damage, or loss resulting from Grantee's use of the Easement Area, except for any injury, harm, damage, or loss arising from the negligence or willful misconduct of Grantor.

b. Indemnification. Grantee agrees to indemnify and hold harmless Grantor, its successors and assigns and tenants of the Property, from and against any and all claims, damages, liabilities, costs or any expenses whatsoever, arising from or caused, directly or indirectly by the entry onto the Property by Grantee or its agents, employees, invitees, contractors and subcontractors, or Grantee's breach of this Agreement. If any action or proceeding is brought against any Indemnitee for any claim against which Grantee is obligated to indemnify or provide a defense hereunder, Grantee will, upon written notice from Grantor, defend such action or

DOCUMENT NO.: 9109-90

proceeding at Grantee's sole expense by counsel approved by Grantor, which approval shall not be unreasonably withheld, conditioned or delayed.

- c. Release. Grantee accepts all risk relating to its use of the Easement Area. Grantor shall not be liable to Grantee for, and Grantee hereby waives, releases, exonerates, discharges and covenants not to sue Grantor, from any and all liability, whether in contract, tort or other basis, for any injury, harm, damage, or loss resulting from Grantee's use of the Easement Area, except for any injury, harm, damage, or loss arising from the negligence or willful misconduct of Grantor.

7. Hazardous Materials

- a. Grantee's Responsibility. Grantee shall not bring, use, or permit upon the Property, or generate, create, release, emit, or dispose (nor permit any of the same) from the Easement Area any chemicals, toxic or hazardous gaseous, liquid or solid materials or waste, including without limitation, material or substance having characteristics of ignitability, corrosivity, reactivity, or toxicity or substances or materials which are listed on any of the Environmental Protection Agency's lists of hazardous wastes or which are identified in Division 22 Title 26 of the California Code of Regulations as the same may be amended from time to time ("Hazardous Materials").
 - i. Grantor and Grantee intend Grantee to be liable as covered persons, responsible parties, and those who generate, transport, treat, store, or dispose of hazardous wastes as these terms are defined and as interpreted under Federal and State laws, without limitation including 42 U.S.C. §9607 et seq., 42 U.S.C. §6901 et seq., 40 CFR Parts 260- 279, §260.1 et seq., Health and Safety, Division 45, Chapter 5, §78850 et seq., Health and Safety, Division 20, Chapter 6.5, §25100 et seq., and 22 CCR Division 4.5, Chapter 10, §66250 et seq., for any Hazardous Materials unearthed or otherwise discovered in the Easement Area. This obligation is intended specifically, but is not limited, to identifying Grantee as the generator, owner, and arranger on any bills of lading, manifests, or similar tracking documents.
- b. Indemnity Regarding Hazardous Materials. Grantee shall indemnify and hold Grantor harmless from any claims, liabilities, costs or expenses incurred or suffered by Grantor arising from a breach of Grantee's Responsibilities. The foregoing indemnification and hold harmless obligations include, without limitation, the following: (i) claims, liability, costs or expenses resulting from or based upon administrative, judicial (civil or criminal) or other action, legal or equitable, brought by any private or public person under common law or under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 ("CERCLA"), the Resource Conservation and Recovery Act of 1980 ("RCRA") or any other federal, state, county or municipal law, ordinance or regulation; (ii) claims, liabilities, costs or expenses pertaining to the investigation, identification, characterization, monitoring, cleanup, containment, mitigation, or removal of Hazardous Materials from soils, groundwater, soil gas, surface waters or aquifers including the provision of an alternative public drinking water source; and (iii) all costs of defending such claims.

DOCUMENT NO.: 9109-90

- c. Remediation. In the event of any release on or into the Property or into the soil or ground water under the Property of any Hazardous Materials used, treated, stored or disposed of by Grantee, Grantee shall meet and confer with Grantor and promptly take all necessary investigation, characterization, monitoring, cleanup, mitigation, and remedial steps given, inter alia, the historical uses to which the Property has and continues to be used, the risks to public health and the environment posed by the release, the then available technology and the costs of investigation, characterization, monitoring, cleanup, mitigation, and remedial steps, consistent with acceptable customary practices for the type and severity of such contamination and all applicable laws. Nothing in the preceding sentence shall eliminate, modify or reduce the obligation of Grantee under of this Easement Agreement to indemnify and hold Grantor harmless from any claims, liabilities, costs or expenses incurred or suffered by Grantor. Grantee shall, at a minimum, (1) coordinate with Grantor, (2) keep Grantor apprised of all substantive related matters, (3) promptly provide Grantor written notice of Grantee's investigation, characterization, monitoring, cleanup, mitigation, and remedial steps, (4) provide Grantor with all sampling and testing information and data, and specifically laboratory results shall be provided to Grantor upon receipt from the lab.
- d. Notices. If, during the Term hereof, either Grantor or Grantee becomes aware of (a) any actual or threatened release of any Hazardous Materials on, under, or about the Property or (b) any inquiry, investigation, proceeding, or claim by any government agency or other person regarding the presence of Hazardous Materials on, under, or about the Property, that party shall give the other party written notice of the release or investigation within five (5) days after learning of it and shall simultaneously furnish to the other party copies of any claims, notices of violation, reports, or other writings received by the party.
8. Notices. Any notices or communications hereunder shall be in writing and shall be personally delivered or sent by first class mail, certified or registered, postage prepaid, or sent by national overnight courier, with charges prepaid for next business day delivery, addressed to the addressee party at its address or addresses listed below, or to such other address or addresses for a party as such party may from time to time designate by notice given to the other party. Notices shall be deemed received, if sent by personal delivery upon actual receipt by the party being sent the notice, or on the expiration of three (3) business days after the date of mailing, or on the following business day if sent by overnight courier.

If to Grantor:	Swenson 777 N. First Street, Fifth Floor San Jose, CA 95112 Attn: Notices Phone: 408-287-0246 Email: notices@swenson.com
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DOCUMENT NO.: 9109-90

If to Grantee:	Santa Clara Valley Water District 5750 Almaden Expressway San Jose, CA 95118 Attn: Real Estate Services Unit Phone: 408-630-2775 Email: RealEstate@valleywater.org
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9. Governing Law. This Easement Agreement shall in all respects be interpreted, enforced and governed by and under the laws of the State of California.
10. No Waiver. No waiver with respect to any provision of this Easement Agreement shall be effective unless in writing and signed by the party against whom it is asserted. No waiver of any provision of this Easement Agreement by a party shall be construed as a waiver of any subsequent breach or failure of the same term or condition, or as a waiver of any other provision of this Easement Agreement.
11. Counterparts. This Easement Agreement may be executed in identical counterpart copies, each of which shall be an original, but all of which taken together shall constitute one and the same.
12. Recording. Grantor hereby consents and agrees to the recording by Grantee of this Easement Agreement against the Property. Grantor agrees to sign any additional documents reasonably required to complete such recording.
13. Survival. The obligations of Grantee set forth in Paragraphs 5, 6, 7, 9 and 10 of this Easement Agreement shall survive termination or expiration of this Easement Agreement.

Dated this 5th day of Sep, 2024

**GREEN VALLEY CORPORATION,
A California corporation**

By: _____

Case Swenson

Its: _____

President & Chief Executive Officer
Title

DOCUMENT NO.: 9109-90

ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE §1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA }
COUNTY OF SANTA CLARA } SS

On this 5th day of September, in the year 2024, before me Leah Re Mahoney,

Notary Public, personally appeared Case Swenson
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[Signature]
Notary Public in and for said County and State



CAPACITY CLAIMED BY SIGNER

Though statute does not require the Notary to fill in the data below, doing so may prove invaluable to persons relying on the document.

- | | |
|---|---|
| <input type="checkbox"/> Individual | <input type="checkbox"/> Trustee (s) |
| <input type="checkbox"/> Corporate Officer(s): _____ | <input type="checkbox"/> Guardian/Conservator |
| <input type="checkbox"/> Partner(s) <input type="checkbox"/> Limited <input type="checkbox"/> General | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Attorney-In-Fact _____ | |

Signer is Representing (Name of Person(s) or Entity(ies))

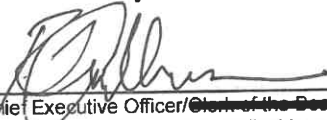
DOCUMENT NO.: 9109-90

CERTIFICATE OF CONSENT AND ACCEPTANCE

This is to certify that the interest in real property conveyed by the attached Deed or Grant to the Santa Clara Valley Water District, also referred to herein as the Grantee, is hereby accepted by the undersigned duly authorized agent on behalf of the Board of Directors of said Santa Clara Valley Water District, pursuant to authority conferred by Resolution No. 14-79 of said Board of Directors adopted on the 9th day of September 2014, and the Grantee consents to recordation thereof by its said duly authorized agent.

Dated: 10/10, 2024

Santa Clara Valley Water District

By: 
Chief Executive Officer/~~Chair of the Board of Directors~~
(Strike out inapplicable one)

DOCUMENT NO.: 9109-90

EXHIBIT A

SANTA CLARA VALLEY WATER DISTRICT
San Jose, California

**PROJECT: SOUTH COUNTY RECYCLED
WATER**

**RESU FILE NO.: 9109-90
BY: B.Bains**

An easement over that certain real property situate in the unincorporated area of the County of Santa Clara, State of California, as shown on that certain Record of Survey filed on June 27, 2016 in Book 893 of Maps at Pages 51 through 54, all in the Office of the Recorder, County of Santa Clara, State of California, more particularly described as follows:

Permanent Easement (P.E.)

A strip of land 15.00 feet wide lying westerly and northerly of the following described line:

COMMENCING at an one inch iron pipe, PLS No.8859, as shown on the southerly line of said Record of Survey filed in Book 893 of Maps at Pages 51 through 54;

Thence along said southerly line, S58° 33' 54"W, 135.75 feet to the **POINT OF BEGINNING**.

Thence leaving said southerly line, the following five (5) courses:

1) S31° 26' 22"E, 15.00 feet;

2) S58° 33' 54"W, 1588.62 feet;

3) N31° 26' 31"W, 70.48 feet;

4) S58° 33' 54"W, 333.59 feet;

5) S31° 27' 53"E, 243.68 feet to the **POINT OF TERMINATION**, said point also being on the northerly line of the easement as described and shown on Document 23338332 filed on June 17, 2016 in the Office of the Recorder, County of Santa Clara, State of California.

The sidelines of said strip shall be lengthened or shortened as necessary, to commence on the southerly line of said Record of Survey and terminate on the northerly line of said easement.

Containing 33.778 square feet (0.78 acres) of land, more or less.

DOCUMENT NO.: 9109-90

BASIS OF BEARINGS:

The bearing of S38° 33' 54"W, shown as N57° 33' 30"E along the southerly line of the lands on that certain Record of Survey filed on June 27, 2016 in Book 893 of Maps at Pages 51 through 54, in the Office of the Recorder, County of Santa Clara, State of California, was used as Basis of Bearings shown hereon.

SURVEYOR'S STATEMENT:

The description was prepared by me or under my direction in conformance with the requirements of the Land Surveyor's Act.


Jessica DeMartini, PLS 9095

9/24/21
Date



Page 2 of 2

Page 9 of 10

W:\R_Estate\DOCUMENTS\14500-14599\Natalie\14524agmt_nd8-20-24_9109-90 GVC 08.14.24 FINAL Easement Agreement v3.docx



**ATTACHMENT 2
ADDENDUM NO. 1
TO CONTRACT DOCUMENTS FOR THE
SOUTH COUNTY RECYCLED WATER PIPELINE
PHASE 1C PROJECT
Project No. 91094009 Contract No. C0723
Invitation No. VW0596**



PHASE 1C

SANTA CLARA VALLEY WATER DISTRICT



PREPARED BY:

**SEE ORIGINAL "AS-BID"
DOCUMENTS FOR
SIGNATURE AND DATE**

MATTHEW TAN, P.E.
SENIOR ENGINEER – PIPELINE ENGINEERING
PIPELINES PROJECT DELIVERY UNIT
WATER UTILITY CAPITAL DIVISION

DATE _____

**SEE ORIGINAL "AS-BID"
DOCUMENTS FOR
SIGNATURE AND DATE**

APPROVED BY:

SEE ORIGINAL "AS-BID"
DOCUMENTS FOR
SIGNATURE AND DATE

JUAN RENTERIA, P.E.
CAPITAL ENGINEERING UNIT MANAGER
PIPELINES PROJECT DELIVERY UNIT
WATER UTILITY CAPITAL DIVISION

DATE _____

**SEE ORIGINAL "AS-BID"
DOCUMENTS FOR
SIGNATURE AND DATE**

SEE ORIGINAL "AS-BID"
DOCUMENTS FOR
SIGNATURE AND DATE

EMMANUEL ARYEE, P.E.
DEPUTY OPERATING OFFICER
WATER UTILITY CAPITAL DIVISION

DATE _____

**SEE ORIGINAL "AS BID"
DOCUMENTS FOR
SIGNATURE AND DATE**

ACCEPTED BY:

SEE ORIGINAL "AS-BID"
DOCUMENTS FOR
SIGNATURE AND DATE


GREG WILLIAMS,
DEPUTY OPERATING OFFICER
RAW WATER OPERATIONS & MAINTENANCE DIVISION

DATE _____

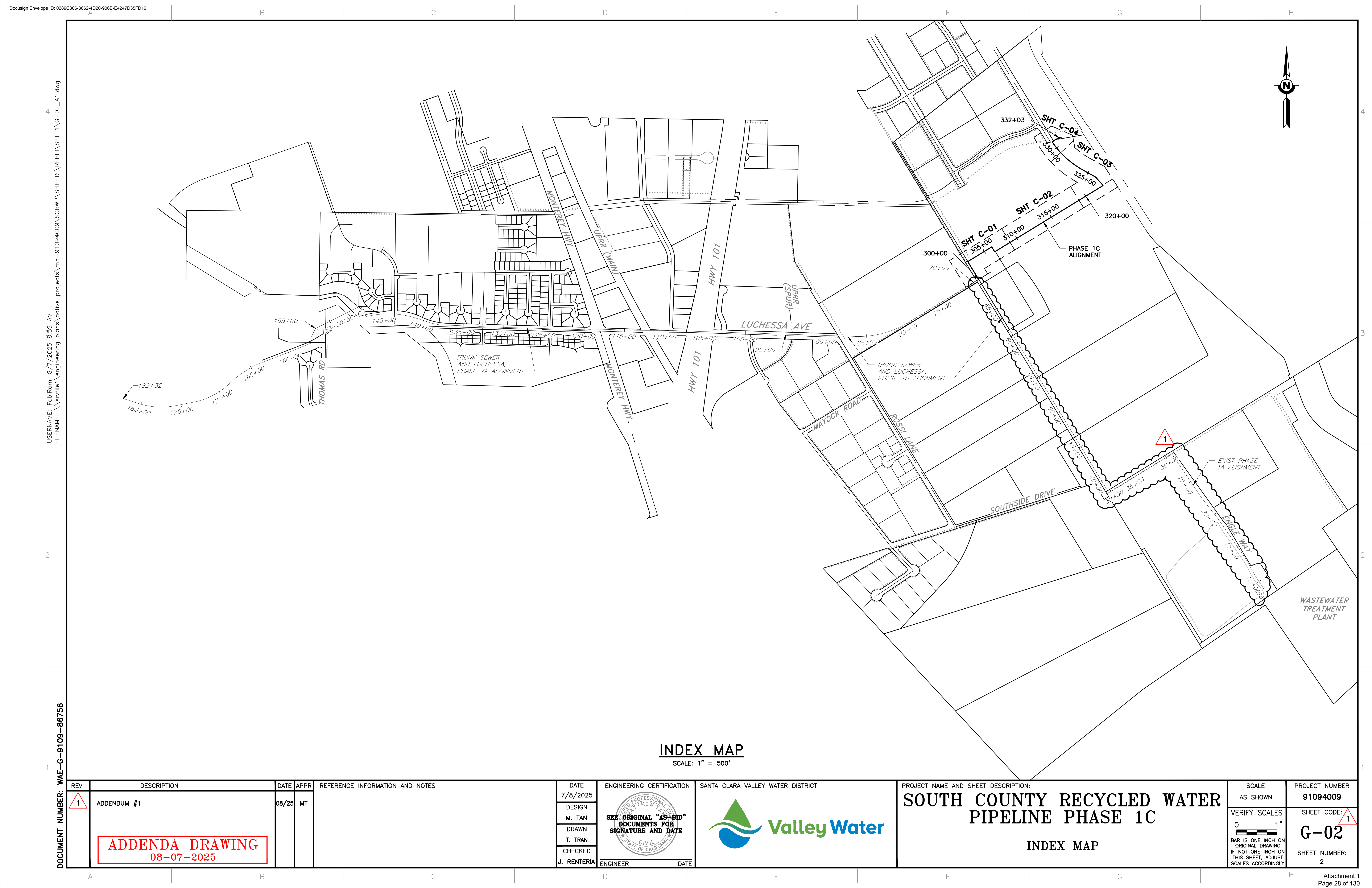
ADDENDA DRAWING
08-07-2025

CONTRACT NUMBER
C0723

PROJECT NUMBER
91094009


SHEET CODE: 
G-01


SHEET NUMBER: 1
TOTAL SHEETS: 43



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DOCUMENT NUMBER: WAE-G-9109-86756

REV	DESCRIPTION	DATE	APPR	REFERENCE INFORMATION AND NOTES		DATE	ENGINEERING CERTIFICATION	SANTA CLARA VALLEY WATER DISTRICT	PROJECT NAME AND SHEET DESCRIPTION:	SCALE	PROJECT NUMBER
1	ADDENDUM #1	08/25	MT			7/8/2025	SEE ORIGINAL "AS-BID" DOCUMENTS FOR SIGNATURE AND DATE		SOUTH COUNTY RECYCLED WATER PIPELINE PHASE 1C	AS SHOWN	91094009
ADDENDA DRAWING 08-07-2025									INDEX MAP	VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: 1 G-02 SHEET NUMBER: 2

REV	DESCRIPTION	DATE	APPR	REFERENCE INFORMATION AND NOTES	DATE	ENGINEERING CERTIFICATION	SANTA CLARA VALLEY WATER DISTRICT	PROJECT NAME AND SHEET DESCRIPTION:	SCALE	PROJECT NUMBER
1	ADDENDUM #1	08/25	MT	<div>ADDENDA DRAWING</div> <div>08-07-2025</div>	7/8/2025	<div>SEE ORIGINAL "AS-BID" DOCUMENTS FOR SIGNATURE AND DATE</div>		<div>SOUTH COUNTY RECYCLED WATER PIPELINE PHASE 1C</div> <div>SHEET INDEX</div>	<div>AS SHOWN</div> <div>VERIFY SCALES</div> <div><div>01"</div><div>BAR IS ONE INCH ON ORIGINAL DRAWING</div><div>IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY</div></div>	<div>91094009</div> <div>SHEET CODE: 1</div> <div>G-03</div> <div>SHEET NUMBER: 3</div>
						DESIGN				
						M. TAN				
						DRAWN				
						T. TRAN				
					CHECKED					
					J. RENTERIA	ENGINEER	DATE			

UNIT OF MEASURE: U.S. SURVEY FEET

HORIZONTAL CONTROL				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
20023	1819074.76	6258540.06	174.09	REBAR/CAP IN CENTERLINE OF LEVEE, DOWN 0.25 FEET
20029	1819883.08	6259144.69	175.68	REBAR/CAREBAR/CAP IN CENTERLINE OF LEVEE, DOWN 0.24 FEET
20030	1819224.83	6259606.88	175.07	REBAR/CAP AT SOUTHERLY SIDE OF LEVEE
20037	1818729.32	6255959.16	175.20	IP IN MON BOX AT SOUTHSIDE DRIVE AND ROSSI LANE, RCE 13769
20039	1820410.45	6254931.68	180.98	IP IN MON BOX AT MAYOCK ROAD AND ROSSI LANE, RCE 13769, DOWN 0.52 FEET
20051	1817944.90	6260222.60	161.77	MAGNAIL AND TIN IN ASPHALT ROAD
20052	1821161.28	6254419.14	183.13	MAG NAIL AND TIN IN PARKING LOT OF 655 E. LUCHESSA AVE.
20056	1816900.86	6260440.08	161.88	REBAR/CAP IN CENTERLINE OF ROAD WESTERLY OF POND WITH TAN LINER
22906	1823117.56	6255946.05	179.89	BRASS DISK IN MON BOX AT INTERSECTION OF CAMINO ARROYO AND VENTURE WAY
22907	1823419.79	6256384.71	176.19	BRASS DISK IN MON BOX 500 FEET NORTHEASTERLY OF CAMINO ARROYO AND VENTURE WAY
22908	1823715.46	6257008.39	177.92	BRASS DISK IN MON BOX AT INTERSECTION OF VENTURE WAY AND CAMERON BLVD.
23020	1821676.90	6253061.81	187.45	MAG NAIL AND TIN AT NORTHERLY END OF JAMIESON WAY
23024	1821415.21	6252428.93	189.96	MAG NAIL AND TIN IN CENTERLINE OF CHESTNUT STREET AT #6310
23034	1821467.13	6250955.30	193.07	IP IN MONBOX AT STRATFORD PL AND HYDE PARK DRIVE
40001	1820728.09	6247968.35	226.96	BRASS DISK IN MON BOX IN CENTERLINE OF CUL DE SAC AT 6370 BLACKBERRY CT.
42006	1821305.46	6246829.98	236.36	BRASS DISK IN MON BOX, RCE # 25281, AT 6470 VILLAGE PL, DOWN 0.68 FEET
42012	1819906.30	6247309.67	237.67	BRASS DISK IN MON BOX AT 6300 RASBERRY CT, DOWN 0.45 FEET
42013	1819404.76	6246039.02	263.38	BRASS DISK IN MON BOX, RCE # 8859, IN CENTERLINE OF OAK BROOK WAY BETWEEN #1015 AND #1025, DOWN 0.51 FEET


VERTICAL CONTROL				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
BM 263	1820723.01	6260437.16	170.89	BRASS DISK ON CONCRETE BRIDGE DECK AT THE NORTHEASTERLY CORNER OF SOUTHSIDE DRIVE BRIDGE OVER LLAGAS CREEK
BM 310	1821323.34	6248592.14	223.21	BRASS DISK ON CONCRETE BRIDGE DECK AT THE NORTHEASTERLY CORNER OF LUCHESSA AVE BRIDGE OVER UVAS-CARNADERO CREEK, 2.5 FEET SOUTH OF HEADWALL AND 23 FEET WEST OF EAST END OF HEADWALL

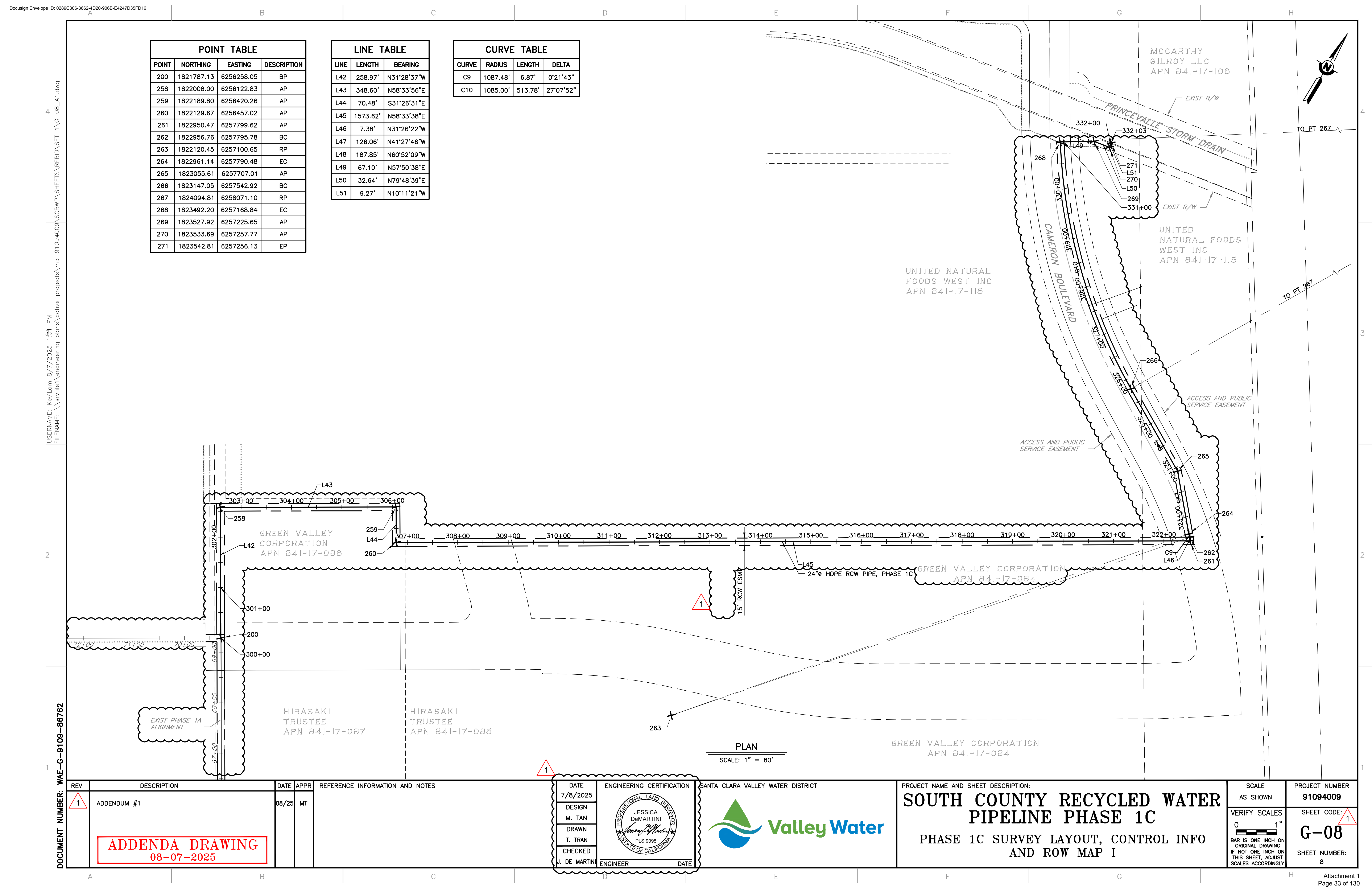
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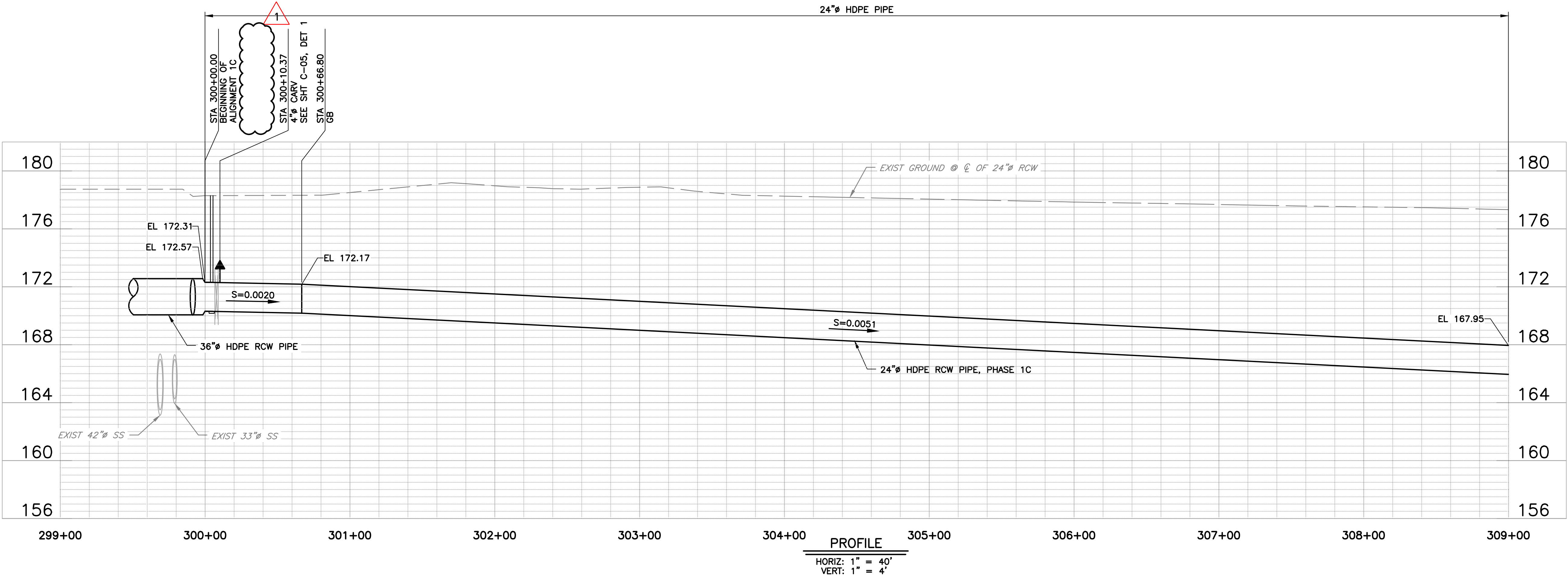
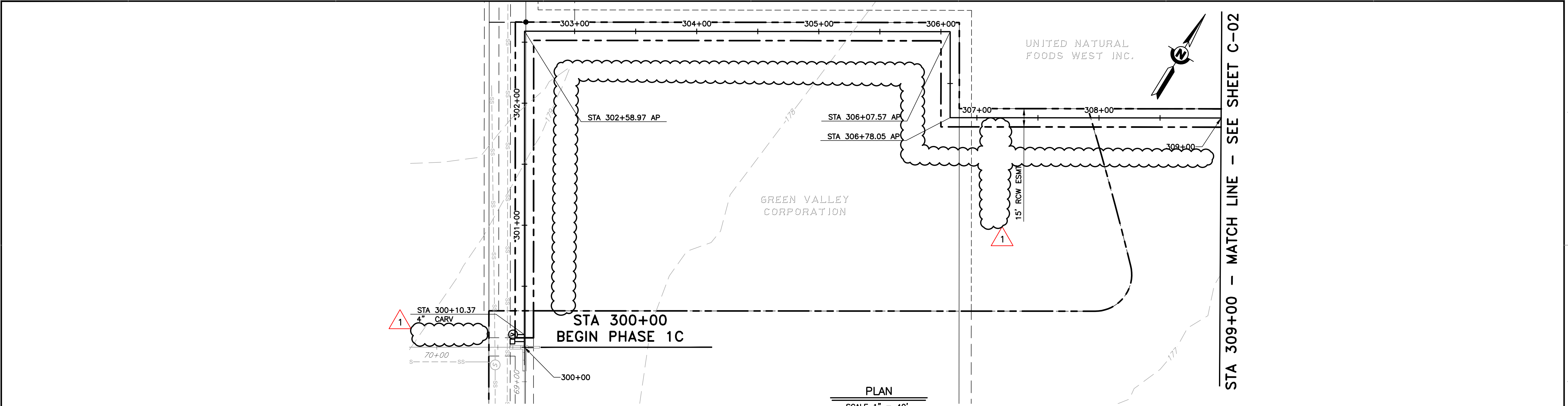




REV	DESCRIPTION	DATE	APPR	REFERENCE INFORMATION AND NOTES	DATE	ENGINEERING CERTIFICATION	SANTA CLARA VALLEY WATER DISTRICT	PROJECT NAME AND SHEET DESCRIPTION:	SCALE	PROJECT NUMBER
1	ADDENDUM #1	08/25	MT		7/8/2025	<div><div>SEE ORIGINAL "AS-BID" DOCUMENTS FOR SIGNATURE AND DATE</div><div><div>REGISTERED PROFESSIONAL ENGINEER MATTHEW TREW CIVIL STATE OF CALIFORNIA</div><div>ENGINEER</div></div></div> <div></div> <td>SOUTH COUNTY RECYCLED WATER PIPELINE PHASE 1C SURVEY CONTROL MAP</td> <td>1" = 500'</td> <td>91094009</td>	SOUTH COUNTY RECYCLED WATER PIPELINE PHASE 1C SURVEY CONTROL MAP	1" = 500'	91094009	
	<div>ADDENDA DRAWING 08-07-2025</div>								<div>VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY</div>	<div>SHEET CODE: 1 G-07</div> <div>SHEET NUMBER: 7</div>

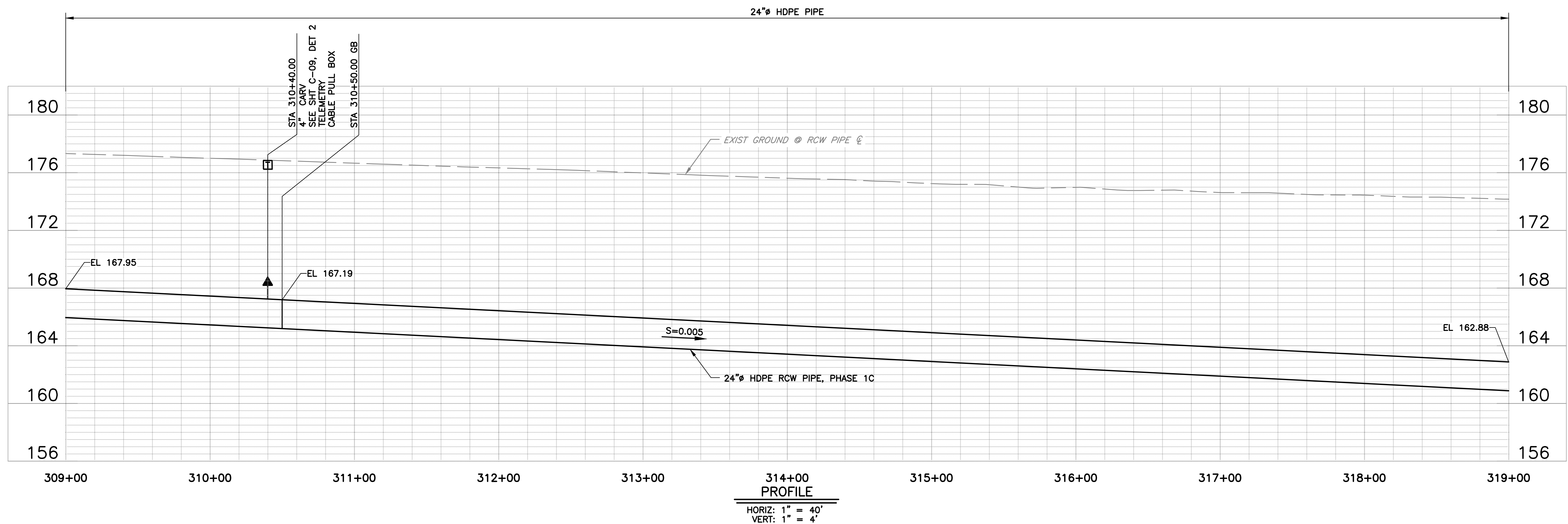
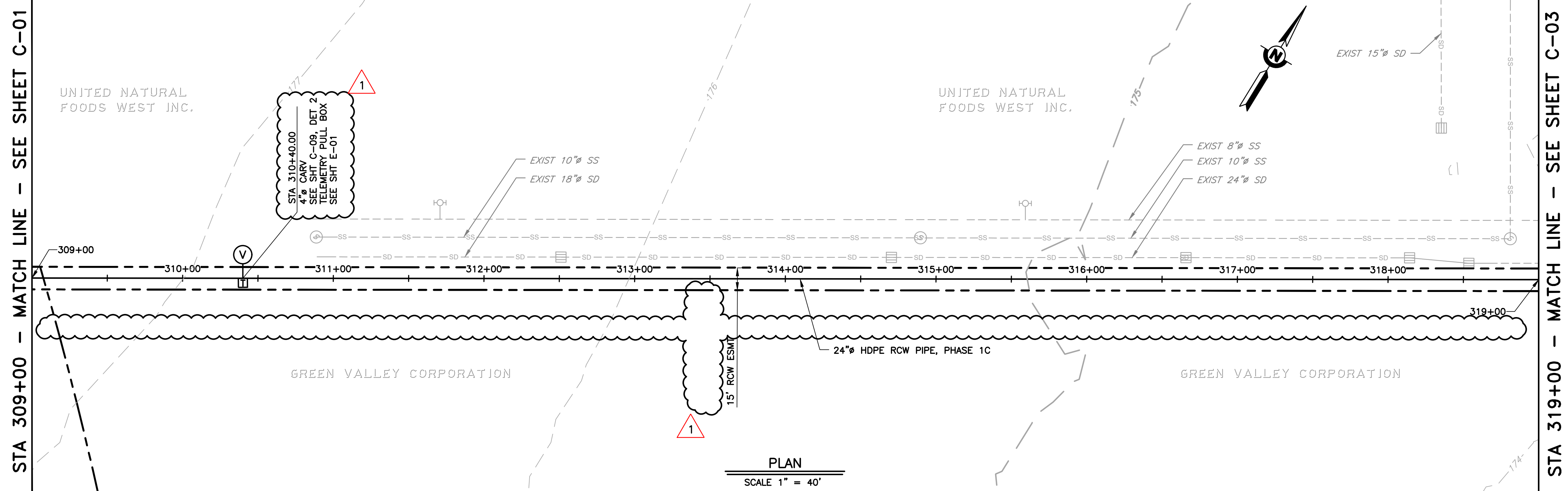




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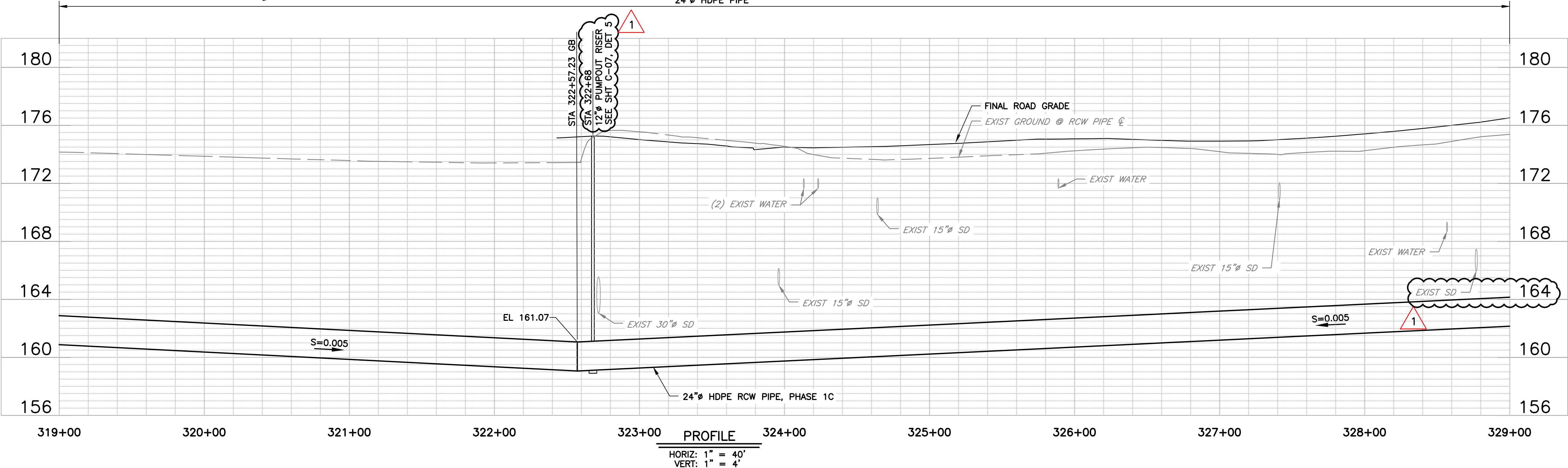
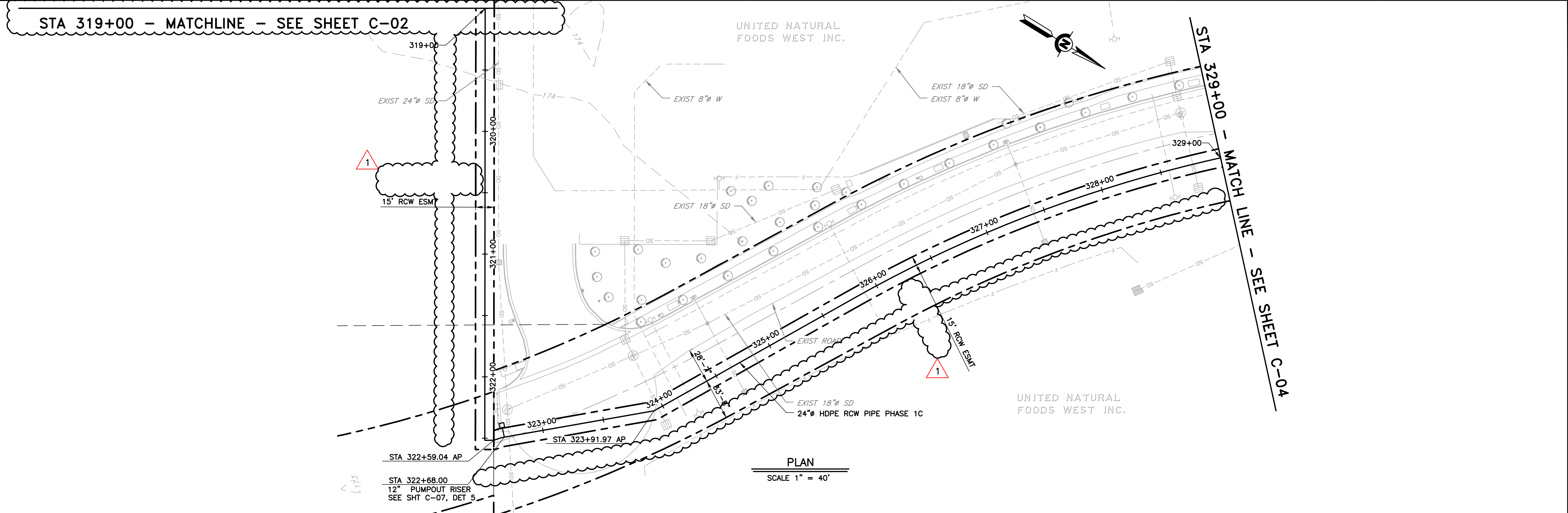
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1	ADDENDUM #1	08/25	MT			7/8/2025	DESIGN M. TAN DRAWN T. TRAN CHECKED J. RENTERIA	 SEE ORIGINAL "AS-BID" DOCUMENTS FOR SIGNATURE AND DATE		SOUTH COUNTY RECYCLED WATER PIPELINE PHASE 1C	AS SHOWN	91094009
										VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY		SHEET CODE: 1 C-01
										PLAN AND PROFILE STA 300+00 TO 309+00		SHEET NUMBER: 9



REV	DESCRIPTION	DATE	APPR	REFERENCE INFORMATION AND NOTES	DATE	ENGINEERING CERTIFICATION	SANTA CLARA VALLEY WATER DISTRICT	PROJECT NAME AND SHEET DESCRIPTION:	SCALE	PROJECT NUMBER
1	ADDENDUM #1	08/25	MT		7/8/2025	 <p>SEE ORIGINAL "AS-BID" DOCUMENTS FOR SIGNATURE AND DATE</p>		<p>SOUTH COUNTY RECYCLED WATER PIPELINE PHASE 1C</p> <p>PLAN AND PROFILE STA 309+00 TO 319+00</p>	<p>AS SHOWN</p> <p>VERIFY SCALES</p> <p>0 1"</p> <p>BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY</p>	<p>91094009</p> <p>SHEET CODE: 1</p> <p>C-02</p> <p>SHEET NUMBER: 10</p>
	<div style="border: 2px solid red; padding: 5px; text-align: center;"> <p>ADDENDA DRAWING</p> <p>08-07-2025</p> </div>					ENGINEER DATE				

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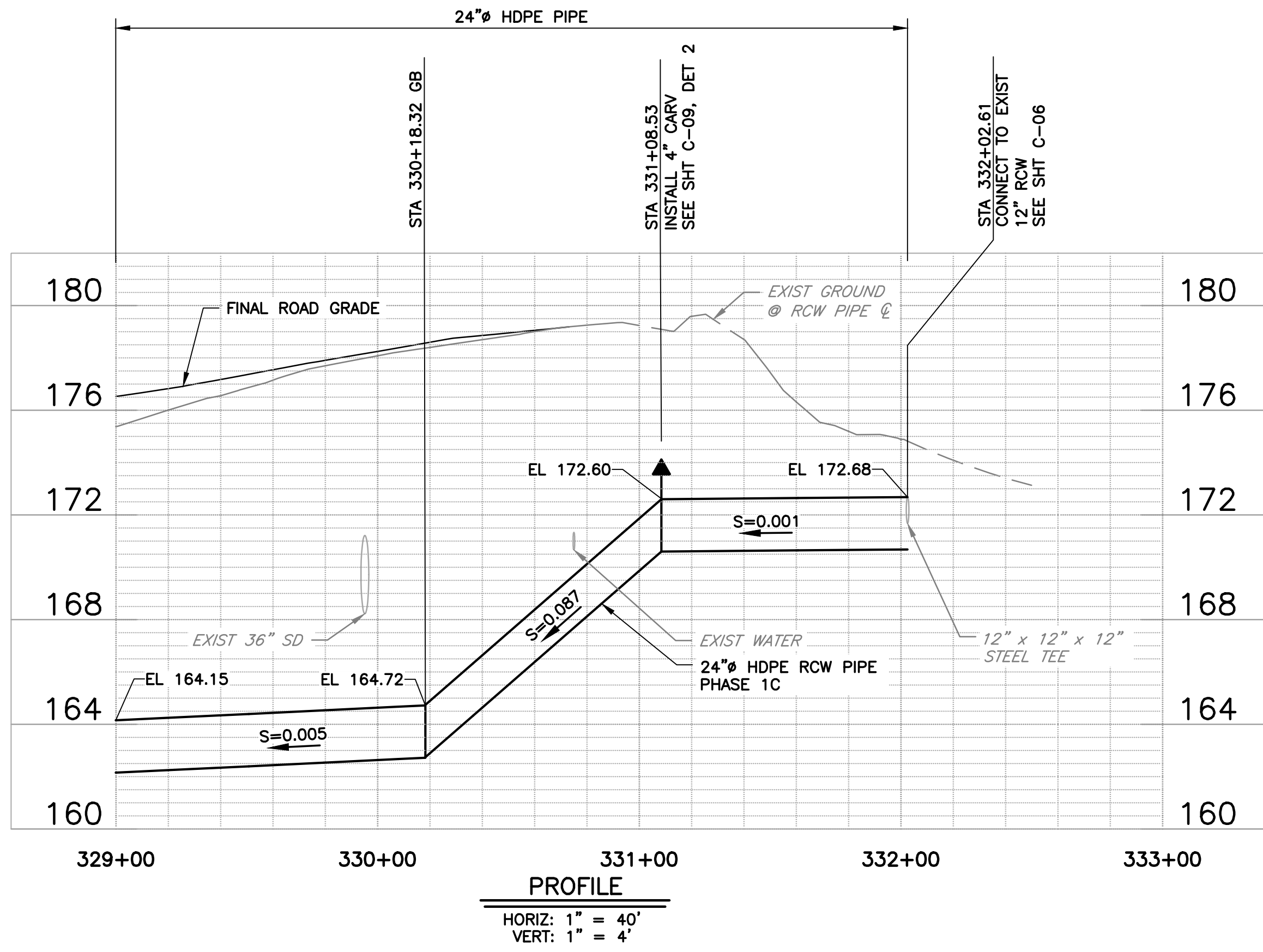
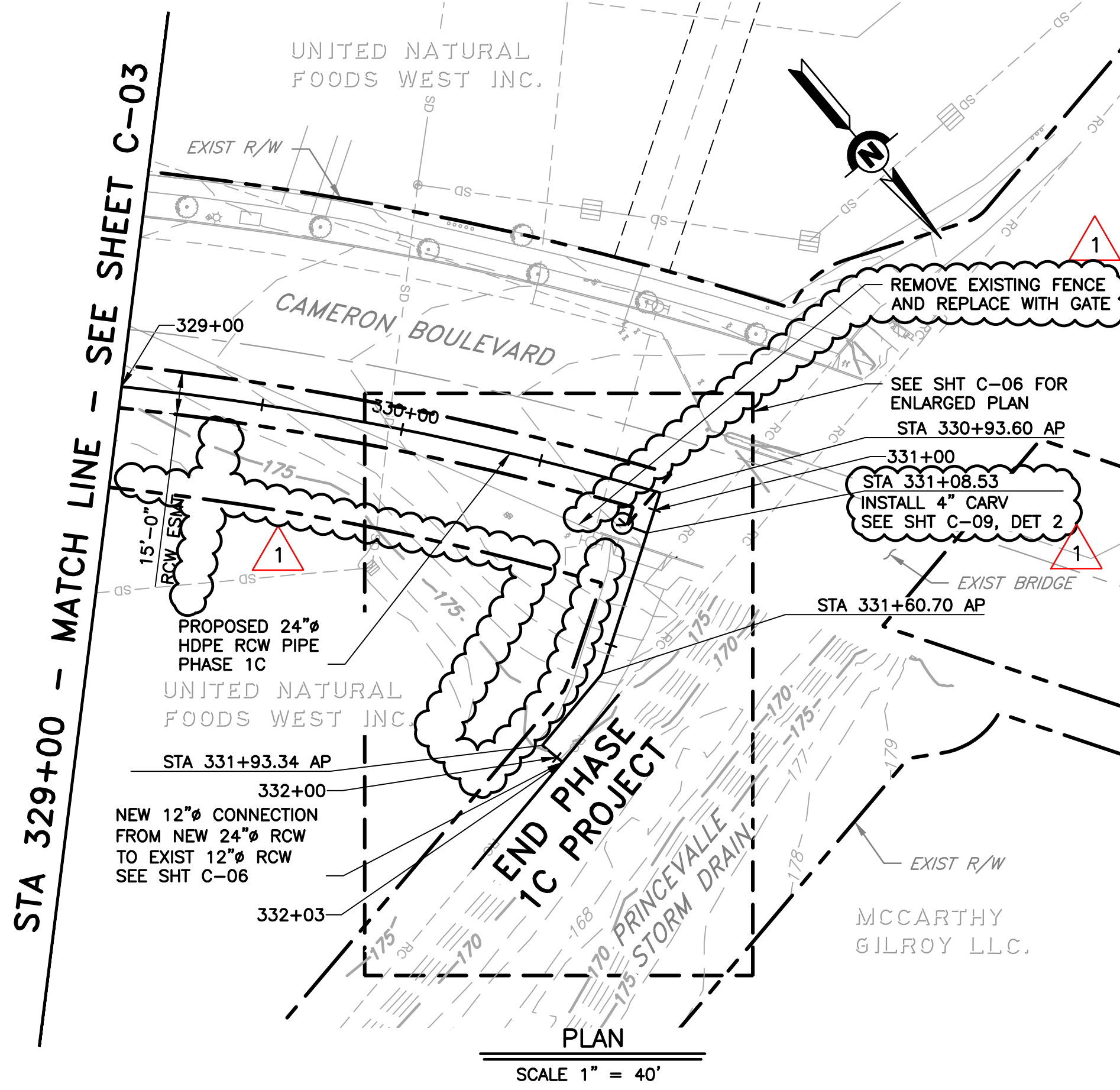





REV	DESCRIPTION	DATE	APPR	REFERENCE INFORMATION AND NOTES		DATE	ENGINEERING CERTIFICATION	SANTA CLARA VALLEY WATER DISTRICT	PROJECT NAME AND SHEET DESCRIPTION:		SCALE	PROJECT NUMBER
1	ADDENDUM #1	08/25	MT			7/8/2025			SOUTH COUNTY RECYCLED WATER PIPELINE PHASE 1C		AS SHOWN	91094009
						DESIGN			PLAN AND PROFILE STA 319+00 TO 329+00		VERIFY SCALES	SHEET CODE: 1
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						CHECKED					IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	
						J. RENTERIA	ENGINEER	DATE				

ADDENDA DRAWING
08-07-2025

SEE ORIGINAL "AS-BID" DOCUMENTS FOR SIGNATURE AND DATE





REV	DESCRIPTION	DATE	APPR	REFERENCE INFORMATION AND NOTES	DATE	ENGINEERING CERTIFICATION	SANTA CLARA VALLEY WATER DISTRICT	PROJECT NAME AND SHEET DESCRIPTION:	SCALE	PROJECT NUMBER
1	ADDENDUM #1	08/25	MT		7/8/2025	 SEE ORIGINAL "AS-BID" DOCUMENTS FOR SIGNATURE AND DATE		SOUTH COUNTY RECYCLED WATER PIPELINE PHASE 1C PLAN AND PROFILE STA 329+00 TO 332+50	AS SHOWN VERIFY SCALES  0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	91094009 SHEET CODE: 1 C-04 SHEET NUMBER: 12
	<div style="border: 2px solid red; padding: 5px; text-align: center;"> ADDENDA DRAWING 08-07-2025 </div>									



SANTA CLARA VALLEY WATER DISTRICT
5750 ALMADEN EXPRESSWAY
SAN JOSE, CA 95118-3686
TELEPHONE (408) 630-3088
www.valleywater.org
scvwdplanroom@valleywater.org

Santa Clara Valley Water District

Notification of this Addendum is transmitted via PlanetBids Vendor Portal to all current plan holders.

This Addendum is posted on the Valley Water PlanetBids Public Site for Bids Vendor Portal at

<https://pbsystem.planetbids.com/portal/48397/portal-home>

August 15, 2025

ADDENDUM NO. 2
TO CONTRACT DOCUMENTS FOR THE
SOUTH COUNTY RECYCLED WATER PIPELINE PHASE 1C PROJECT
Project No. 91094009 Contract No. C0723
Invitation No. VW0596

Notice is hereby given to Prospective Bidders that the Contract Documents are modified as hereinafter set forth.

SPECIFICATIONS AND CONTRACT DOCUMENTS

STANDARD PROVISIONS

Section 1. Definitions

1. **ADD** to the list of **ABBREVIATIONS**:

“**SBE** - Small Business Enterprise”

2. **ADD** to the list of **DEFINITIONS**:

“**Proposal**: The Proposal states the price for which the Bidder proposes and agrees to perform the Work. See Proposal and Bid Items on Valley Water’s PlanetBids Vendor Portal at: <https://vendors.planetbids.com/portal/48397/portal-home>

Small Business Enterprise (SBE): A business that is currently certified by the State of California, Department of General Services as a small business.”

Section 2. Contract Documents

3. **REPLACE** Article 2.01.D. Contract Documents and Precedence with:

"In case of conflicts, errors, and discrepancies in any of the Contract Documents, the order of precedence (from highest to lowest priority) is as follows. Within the same order of precedence, specific requirements shall take precedence over general requirements:

1. Change Orders (CO) or DCO
2. Agreement
3. Addenda
4. Special Provisions
5. Technical Provisions
6. Drawings/Plans
7. Standard Provisions
8. ~~State Specifications and Plans~~ Bid Documents
9. ~~Appendices~~ State Specifications and Plans
10. Appendices"

Section 3. Scope Of Work

4. **REPLACE** Article 3.07.05. Compensation for Time Extensions, paragraph A with:

"3.07.05. Change in the Contract Price for Adjustments in Contract Time

- A. Contract Price may be adjusted for causes listed in Article 3.08.01. Change in Contract Time(s), General, paragraphs "E.1." through "E.5." No Change in Contract Price shall be allowed for Inexcusable Delay, Concurrent Delay, or Non-compensable Delay as stated in Article 3.08. Change in Contract Time(s).
- B. The Contract Price may be adjusted for a compensable delay as specified in Article 3.07.05.D., below, if, and only if, Contractor demonstrates it is entitled to a compensable time extension and complies timely with the Notice and Substantiation requirements described in Article 3.07. Change in Contract Price(s).
- C. Contractor's right to recovery of compensation, costs, expenses and damages for delay, disruption, hindrance and interference (including without limitation interruption of schedules, extended, excess or extraordinary field and home office overhead costs, loss of productivity and the impact, ripple or cumulative effect on other Work) that are the result of extras, changes, additions or deletions in the Work shall be limited to the adjustment of the Contract Price (including without limitation the markups specified) as set forth in Articles 3.07.01 through 3.07.04 of these Standard Provisions. Those Articles include markups to cover field and home office overhead costs. Overhead claims in excess of the markups specified are not allowed for Unit Price, Lump Sum, or Time-and-Materials work.

1. The Contract Price adjustment provisions set forth in Articles 3.07.01 through 3.07.04 constitute the sole, exclusive, and complete compensation that Contractor is entitled to for all costs, expenses, and damages incurred by Contractor and its Subcontractors and Suppliers of all tiers associated with Unit Price, Lump Sum, or Time-and-Materials work.
 2. If Contractor performs Unit Price, Lump Sum, or Time-and-Materials work during a compensable delay period and seeks additional compensation for the compensable delay (i.e., above the markups specified in Paragraph 3.07.02), then the District will deduct the field and home office overhead costs paid under Paragraph 3.07.02 from the compensation owed under subparagraph 3.07.05.D., below, for the same time period as follows: For field office overhead paid under Paragraph 3.07.02, the District will deduct 5-1/2 percent of the value of the added Work (added through Change Order or Force Account); For home office overhead paid under Paragraph 3.07.02, the District will deduct 5 percent of the value of the added Work.
- D. Field Office Overhead – Daily Rate: If Contractor meets the conditions for a compensable time extension specified in subparagraph 3.07.05.A., above, then the District shall pay Contractor such amount as the District may find to be fair and reasonable compensation for such part of Contractor's actual loss that was unavoidable. Fair and reasonable compensation shall be calculated as follows:
1. Within the time and in the format specified by the District, Contractor shall submit a detailed listing of daily field office overhead cost components that are time-related. The individual cost components shall represent costs that have been or will be incurred or increased as a sole or direct result of the compensable time extension. This listing may include, without limitation, onsite personnel and onsite office utilities.
 2. The listing of the daily field office overhead cost components described above must be based on the Contractor's actual field office overhead costs. This listing must be submitted with the first Notice of Delay that includes a request for a compensable time extension. If the Contractor's time-related daily field office overhead cost changes for subsequent compensable delays, then the Contractor shall submit a new overhead rate based on the Contractor's overhead costs at the time of the subsequent delay.
 3. The daily field office overhead rate shall be multiplied by the number of days the Contract is to be extended. No markup for overhead costs and no profit allowance shall be allowed on the extended daily field office overhead cost.
 4. The information submitted as required above shall be submitted in sufficient detail to allow review and shall be prepared in accordance with generally accepted accounting principles. The District shall have the right to audit the Contractor's costs under Paragraph 3.07.01 of these Standard Provisions if the District Representative considers the submitted costs to be excessive, questionable, or unsupported.
- E. Absent extraordinary circumstances, extended home office overhead is not allowable. Extended home office overhead and its application to a compensable time extension

will not be allowed unless Contractor demonstrates to the satisfaction of the District that each and every of the following conditions apply to the delay period: (i) the delay was caused by the District; (ii) such District-caused delay was of an indefinite (unknown) duration; (iii) the District-caused delay suspended most, if not all, project Work; (iv) the District-caused delay resulted in a substantial disruption or decrease in the income stream from the project; (v) during the District-caused delay, Contractor was required to remain ready to resume Contract Work immediately; and (vi) Contractor was unable to secure comparable replacement work during the impacted period to replace the reduced cash flow from this project. If Contractor believes that it may be entitled to extended home office overhead, it must notify the District through the Notice of Delay process specified in Paragraph 3.07, above. Within the time and in the format specified by the District, Contractor shall submit detailed evidence of entitlement and the requested rate, including all supporting evidence from which the District may make a determination. Supporting evidence shall be prepared in accordance with generally accepted accounting principles, and the District shall have the right to audit Contractor's submittal under Paragraph 3.07.01 of these General Conditions. If the District determines that extended home office overhead is available, then the District shall have the discretion to determine the methodology for calculation of the rate."

5. **REPLACE** Article 3.12. Claims, paragraph F with:

- "F. No Claim shall be considered where there has been a failure to comply with the requirements relative to protest and Notice of Potential Claim as written elsewhere in these Specifications.
- G. The presentation of a Claim shall be an express condition precedent to the Contractor's recourse to (i) informal conference; (ii) nonbinding mediation; and (iii) judicial arbitration to resolve disputes on construction Claims of three hundred seventy-five thousand dollars (\$375,000) or less or court action upon the Contract for Claims in excess of three hundred seventy-five thousand dollars (\$375,000) in compliance with Public Contract Code Section 20104 et seq."

6. **REPLACE** Article 3.14.04. Submittal, paragraphs C and D with:

- "C. The Escrow Bid Documents of the apparent successful Bidder will be opened and ~~examined~~ reviewed by an appointed member of the District in the presence of the Bidder before the Contract is awarded. The apparent successful Bidder must attend this ~~examination~~ review meeting.
- D. This ~~examination~~ review is conducted to ensure that the Escrow Bid Documents are legible and complete. It will not include a review of, or constitute approval of, proposed construction methods, estimating assumptions, or interpretations of the Contract Documents. The ~~examination~~ review will not alter any condition or term of the Contract. Should the ~~examination~~ review indicate that any data is incomplete or missing, the Bidder shall supply the missing information within 24 hours or at such other time as is mutually agreeable."

7. **REPLACE** Article 3.14.05. Storage, paragraph A with:

“A. Upon completion of the ~~examination~~ **review**, receipt of the apparent successful Bidder’s Escrow Bid Documents will be acknowledged in writing by the District. The documents will be placed in escrow **for the life of the Contract** at an escrow firm within the greater Santa Clara County area chosen by the District. The District will pay for storage and maintenance of the Escrow Bid Documents.”

8. **ADD** the following Article 3.16. Claims and Disputes per Public Contract Code Section 9204:

“3.16. Claims and Disputes per Public Contract Code Section 9204

- A. Public Contract Code Section 9204 (PCC 9204) applies to all contracts entered into on or after January 1, 2017. PCC 9204 shall remain in effect only until January 1, 2027, and as of that date is repealed, unless a later enacted statute, that is enacted before January 1, 2027, deletes or extends that date. The provisions of PCC 9204 are set forth below.
- B. The Legislature has found and declared that it is in the best interests of the state and its citizens to ensure that all construction business performed on a public works project in the state that is complete and not in dispute is paid in full and in a timely manner. PCC 9204 shall apply to any claim by a contractor in connection with a public works project.
- C. Prior to submitting a claim per PCC 9204, the Contractor shall comply with Article 3.11.01. Protest, Article 3.11.02 Notice of Potential Claims, 3.12. Claims, A. through F.
- D. For purposes of PCC 9204, the following definitions apply:
 - 1. “Claim” means a separate demand by a contractor sent by registered mail or certified mail with return receipt requested, for one or more of the following:
 - a. A time extension, including, without limitation, for relief from damages or penalties for delay assessed by a public entity under a contract for a public works project.
 - b. Payment by the public entity of money or damages arising from work done by, or on behalf of, the contractor pursuant to the contract for a public works project and payment for which is not otherwise expressly provided or to which the claimant is not otherwise entitled.
 - c. Payment of an amount that is disputed by the public entity.
 - 2. “Contractor” means any type of contractor within the meaning of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code who has entered into a direct contract with a public entity for a public works project.
 - 3. “Public entity” means, without limitation, except as provided in subparagraph (b), a state agency, department, office, division, bureau, board, or commission, the California State University, the University of California, a city, including a charter city, county, including a charter county, city and county, including a charter city and county, district, special district, public authority, political subdivision, public

corporation, or nonprofit transit corporation wholly owned by a public agency and formed to carry out the purposes of the public agency.

4. "Public works project" means the erection, construction, alteration, repair, or improvement of any public structure, building, road, or other public improvement of any kind.
5. "Subcontractor" means any type of contractor within the meaning of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code who either is in direct contract with a contractor or is a lower tier subcontractor.

E. Upon receipt of a claim pursuant to PCC 9204:

1. The District shall conduct a reasonable review of the claim and, within a period not to exceed 45 days, shall provide the Contractor a written statement identifying what portion of the claim is disputed and what portion is undisputed. Upon receipt of a claim, the District and Contractor may, by mutual agreement, extend the time period provided in this Article.
2. The Contractor shall furnish reasonable documentation to support the claim.
3. If the District needs approval from the Board to provide the Contractor a written statement identifying the disputed portion and the undisputed portion of the claim, and the Board does not meet within the 45 days or within the mutually agreed to extension of time following receipt of a claim sent by registered mail or certified mail, return receipt requested, the District shall have up to three (3) days following the next Board meeting after the 45-Day period, or extension, expires to provide the Contractor a written statement identifying the disputed portion and the undisputed portion.
4. Any payment due on an undisputed portion of the claim shall be processed and made within 60 days after the District issues its written statement. If the District fails to issue a written statement, paragraph 3. below shall apply.
5. If the Contractor disputes the District's written response, or if the District fails to respond to a claim issued pursuant to this Article within the time prescribed, the Contractor may demand in writing an informal conference to meet and confer for settlement of the issues in dispute.
 - a. Upon receipt of a demand in writing sent by registered mail or certified mail, return receipt requested, the District shall schedule a meet and confer conference within 30 days for settlement of the dispute.
 - b. Within 10 business Days following the conclusion of the meet and confer conference, if the claim or any portion of the claim remains in dispute, the District shall provide the Contractor a written statement identifying the portion of the claim that remains in dispute and the portion that is undisputed. Any payment due on an undisputed portion of the claim shall be processed and made within 60 days after the District issues its written statement. Any disputed portion of the claim, as identified by the

Contractor in writing, shall be submitted to nonbinding mediation, with the District and the Contractor sharing the associated costs equally. The District and Contractor shall mutually agree to a mediator within ten (10) business days after the disputed portion of the claim has been identified in writing. If the parties cannot agree upon a mediator, each party shall select a mediator and those mediators shall select a qualified neutral third party to mediate with regard to the disputed portion of the claim. Each party shall bear the fees and costs charged by its respective mediator in connection with the selection of the neutral mediator. If mediation is unsuccessful, the parts of the claim remaining in dispute shall be subject to applicable procedures outside this Article.

- c. For purposes of this section, mediation includes any nonbinding process, including, but not limited to, neutral evaluation or a dispute review board, in which an independent third party assists the parties in dispute resolution through negotiation or by issuance of an evaluation. Any mediation utilized shall conform to the timeframes in this Article.
 - d. Unless otherwise agreed to by the District and the Contractor in writing, the mediation conducted pursuant to this Article shall excuse any further obligation under Public Contract Code Section 20104.4 (see Article 3.12.01. Claims Less Than Fifty Thousand Dollars through Article 3.12.04. Civil Actions) to mediate after litigation has been commenced.
 - e. This Article does not preclude the District from requiring arbitration of disputes under private arbitration or the Public Works Contract Arbitration Program, if mediation under this Article does not resolve the parties' dispute.
6. Failure by the District to respond to a claim from a Contractor within the time periods described in this Article shall result in the claim being deemed rejected in its entirety. A claim that is denied by reason of the District's failure to have responded to a claim, or its failure to otherwise meet the time requirements of this Article, shall not constitute an adverse finding with regard to the merits of the claim or the responsibility or qualifications of the Contractor.
 7. Amounts not paid in a timely manner as required by this Article shall bear interest at 7 percent per annum.
 8. If a Subcontractor or a lower tier Subcontractor lacks legal standing to assert a claim against the District because privity of contract does not exist, the Contractor may present to the District a claim on behalf of a Subcontractor or lower tier Subcontractor. A Subcontractor may request in writing, either on his or her own behalf or on behalf of a lower tier Subcontractor, that the Contractor present a claim for work which was performed by the Subcontractor or by a lower tier Subcontractor on behalf of the Subcontractor. The Subcontractor requesting that the claim be presented to the District shall furnish reasonable documentation to support the claim. Within 45 Days of receipt of this written request, the Contractor shall notify the Subcontractor in writing as to whether the Contractor presented the claim to the District and, if the original Contractor did not present the claim, provide the Subcontractor with a statement of the reasons for not having done so.

- F. A waiver of the rights granted by PCC 9204 is void and contrary to public policy, provided, however, that (1) upon receipt of a claim, the parties may mutually agree to waive, in writing, mediation and proceed directly to the commencement of a civil action or binding arbitration, as applicable; and (2) a public entity may prescribe reasonable change order, claim, and dispute resolution procedures and requirements in addition to the provisions of PCC 9204, so long as the contractual provisions do not conflict with or otherwise impair the timeframes and procedures set forth in PCC 9204.
- G. Nothing in PCC 9204 shall impose liability upon a public entity that makes loans or grants available through a competitive application process, for the failure of an awardee to meet its contractual obligations.”

9. **ADD** the following Article 3.17. Choice of Law and Value:

“3.17. Choice of Law and Venue

- A. The Parties agree that this Agreement is to be governed, construed, and enforced in accordance with the laws of the State of California. The Parties also agree that the venue of any litigation arising out of or connected with this Agreement will lie exclusively in the state trial court or Federal District Court located in Santa Clara County in the State of California. The Parties consent to jurisdiction over their persons and over the subject matter of any such litigation in such courts, and consent to service of process issued by such courts.”

Section 4. Legal Regulations and Responsibility

10. **REPLACE** Article 4.04. Prevailing wages, paragraphs A and B, including subparagraph with:

“4.04. Prevailing Wages

- A. The Work to be performed pursuant to this Contract is “public works” subject to the California Prevailing Wage Law, California Labor Code Section 1720, et seq. and the applicable implementing regulations (the Prevailing Wage Law) with which the Contractor must comply. The General Prevailing Wage Rates issued by the California Department of Industrial Relations may be adjusted by the State during the term of this Contract. Notwithstanding any other provisions of this Contract, the Contractor will not be entitled to any adjustment in compensation in the event there are adjustments to the General Prevailing Wage Rates.
 - 1. In accordance with the Prevailing Wage Law, the Director of the Department of Industrial Relations has ascertained the general prevailing Rate of 2 October 7, 2024 TRC Memorandum Contract Documents – Revisions to Standard Provisions and Special Provisions Final 10/07/24 rate of wages and employer payments for health and welfare, pension, vacation, and similar purposes available to the particular craft, classification, or type of workers employed on the Work. These rates are set forth in the latest determination obtained from the Director, which is on file in the office of the Clerk of the Board of Directors and incorporated herein by reference the same as though

set out in full. The rates are also available on the State of California Department of Industrial Relations website at <http://www.dir.ca.gov>.

2. Pursuant to Labor Code Section 1773.2, the Contractor shall post the determination of the Director of the Department of Industrial Relations of the prevailing rate of per diem wages at each job site.
 3. The Contractor shall pay a penalty to the District of \$200 for each Day, or portion thereof, for each worker paid less than the stipulated prevailing rate for any public Work done under the Contract by the Contractor or by any Subcontractor in violation of the provisions of the Prevailing Wage Law.
- B. Each Contractor and Subcontractor shall keep accurate payroll record, showing the name, address, Social Security number, work classification, straight time, and overtime hours worked each Day and week, and the actual per-diem wages paid to each journeyman, apprentice, worker, or other employee by him/her in connection with the public Work. The payroll records shall be certified and shall be available for inspection at all reasonable hours at the principal office of the Contractor in accordance with the Prevailing Wage Law. The Contractor and each Subcontractor shall electronically submit certified payroll records to the certified payroll records electronic system designated by the District. Additionally:
1. The Contractor and each Subcontractor, pursuant to California Labor Code Section 1776, must submit certified ~~weekly~~ payroll(s)-records within ten (10) Days after the ~~Owner's~~ District's written request for submission of certified ~~weekly~~ payroll records to comply with Article 4.04. Prevailing Wages, 4.04.C. The certified payroll(s) must include the date of actual payment of wages for each worker employed on the Project and a breakdown of each payment, including all fringe benefits included in such wage for each worker.
 2. In the event that the Contractor fails to comply with the ten (10)-Day submission deadline of California Labor Code Section 1776, the Contractor shall pay a penalty to the District of \$100 for each Calendar Day or portion thereof, for each worker, until the Contractor achieves compliance with Section 1776.
 3. The Contractor shall inform the District of the location of the payroll records, including the street address, city, and county, and shall, within five (5) working Days, provide a notice of a change in location and address. The Contractor is responsible for compliance with payroll record requirements imposed by Section 1776 of the Labor Code.
 4. Pursuant to Labor Code Section 1771.4, the Contractor and each Subcontractor must submit certified payroll records directly to the Labor Commissioner, at least monthly, through the eCPR portal at <http://www.dir.ca.gov>.
 5. The submission of certified payroll records to the Labor Commissioner, through the eCPR portal, does not excuse the Contractor and each Subcontractor from also submitting certified payroll records to the certified payroll record system designated by the District."

11. **REPLACE** Article 4.12. Indemnification, paragraphs A and B with:

“4.12.01. Indemnify and Hold Harmless

- A. Contractor must indemnify and hold harmless the District, any public agencies within whose jurisdiction, on whose behalf, or on whose property the Work is being performed, any party the District is contractually obligated to identify in this Contract as an indemnitee, and each of their respective Board of Directors, Board of Supervisors, Councils, individual board members, officers, agents, employees, and consultants (each, an “Indemnitee”; collectively, the “Indemnitees”) from any claims, liabilities, losses, injuries, damages, expenses, fines, penalties, liens, stop notices, or fees and costs (including attorneys’ and experts’ fees and costs) arising out of, pertaining to, or caused by, or in any way relating to the Work, including the performance of this Contract or any subcontract hereunder, by Contractor and/or its agents, employees, or subcontractors, whether such claims, liabilities, losses, injuries, damages, expenses, fines, penalties, liens, stop notices, or fees and costs (including attorneys’ and experts’ fees and costs) are based upon a contract, or for personal injury, death or property damage or upon any other legal or equitable theory whatsoever.

4.12.02. Limitation on Indemnity

- A. Notwithstanding any language in this Contract to the contrary, Contractor is not obliged to indemnify and/or hold harmless the Indemnitees from any claims, liabilities, losses, injuries, damages, expenses, fines, penalties, liens, stop notices, or fees and costs (including attorneys’ and experts’ fees and costs) arising from the sole or active negligence or willful misconduct of the District or its agents, servants or independent contractors who are directly responsible to the District, or from damages for defects in designs furnished by those persons.

4.12.03. Duty to Defend

- A. Contractor agrees, at its own expense, and upon written request by the District or any individual Indemnitee, to immediately defend any suit, action, claim, or demand brought against any Indemnitee founded upon, alleging, or implicating any claims, liabilities, losses, injuries, damages, expenses, fines, penalties, liens, stop notices, or fees and costs (including attorneys’ and experts’ fees and costs) covered by Contractor’s indemnity obligation set forth in 4.12.01. above, and regardless of whether Contractor and/or any of its agents, employees, or subcontractors were, in fact, liable. In the event a court of competent jurisdiction determines that any suit, action, claim, or demand brought against any Indemnitee was caused by the sole or active negligence or willful misconduct by District or its agents, servants or independent contractors who are directly responsible to the District, the District shall promptly reimburse Contractor for costs of defending the Indemnites in such action incurred by Contractor, but only in proportion to the sole or active negligence or willful misconduct of the District or its agents, servants or independent contractors who are directly responsible to the District.

4.12.04. Survival

- A. The rights, duties, and obligations of the Parties as set forth above in this Article 4.12. Indemnification, survive expiration, termination, suspension, and completion of the Contract and remain in full force and effect.”

Section 9. Quality Management

12. **REPLACE** Article 9.03.D. Contractor’s Quality Control Program, paragraph D with:

- “D. The QC Plan shall demonstrate that it has qualified QC personnel who meet or exceed the requirements of Special Provisions Article 20.04.02. Contractor’s Quality **Control** Staffing Requirements. The QC plan shall identify the independent testing firms to be used in accordance with Article 9.09. Testing.”

Section 10. Environmental

13. **REPLACE** Article 10.02. Storm Water Pollution Prevention Plan with:

“10.02. Storm Water Pollution Prevention Plan

- A. **The Contractor is responsible for implementing and complying with all requirements of the most current California State Water Resources Control Board National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharge Associated with Construction and Land Disturbance Activities (California Storm Water Construction General Permit).** ~~National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharge Associated with Construction and Land Disturbance Activities. Order No. 2009-009 SWQ, (as amended).~~
- B. **The Contractor shall prepare and submit to the District an electronic and hard copy Storm Water Pollution Prevention Plan (SWPPP) as required pursuant to the California Storm Water Construction General Permit.**
- C. The SWPPP shall incorporate all appropriate storm water Best Management Practices (BMPs) and all risk-based requirements to comply with the NPDES General Permit. The BMP descriptions and the template for the SWPPP shall be in accordance with the current California Stormwater Quality Association (CASQA) Construction BMP Handbook. ~~Portal, which can be purchased at <http://www.cabmphandbooks.com>.~~
- D. The SWPPP shall be written, amended, certified, and stamped by a Qualified SWPPP Developer (QSD). The implementation of BMPs and all pollution control measures shall be overseen by a Qualified SWPPP Practitioner (QSP). The QSD and QSP shall be provided by the Contractor and shall meet the certification requirements ~~as defined under Section VII of the NPDES California Storm Water Construction General Permit.~~
- E. The District shall make available the following **for preparing the SWPPP**: base maps for the Contractor’s use in preparing the vicinity and site maps ~~for the General Permit~~; a copy of pre-existing site and site design information; and a copy of the District’s

completed Notice of Intent (NOI) submitted in the Storm Water Multiple Application and Report Tracking System (SMARTS). ~~if required.~~

- F. Prior to the commencement of any Work at the site(s), the SWPPP shall be favorably reviewed by the Engineer. Review by the Engineer shall not relieve the Contractor of responsibility for the completeness of the SWPPP, nor for the accuracy of assumptions, data, and information used and procedures contained in the Contractor's SWPPP or the adequacy thereof.
- G. The SWPPP shall be revised and/or amended by the Contractor's QSD, as necessary, during the progress of Work, to comply with Federal, State, and local regulations and the requirements of these Specifications. Work subject to a revised/amended SWPPP will not proceed until the revised/amended SWPPP is favorably reviewed by the Engineer. The SWPPP shall be revised/amended until favorably reviewed by the Engineer. ~~All revisions and amendments shall be submitted to the Engineer.~~ Revisions and/or amendments to the SWPPP shall be considered incidental to this item of Work; no additional payment shall be made.
 - 1. The District is responsible for preparing and electronically submitting in SMARTS, an Annual Report no later than September 1 of each year for each construction project covered by the California Storm Water Construction General Permit (see Section 10. ENVIRONMENTAL., Article 10.02.A.. above).
 - 2. The Contractor must submit all required data to the District no later than July 15 each year, covering the previous reporting period from July 1 through June 30, if a Waste Discharge Identification (WDID) number is active for at least 90 days within the reporting period.
 - 3. The Contractor's submission of all required data by July 15 will ensure the District has sufficient time to review, certify, and submit the Annual Report required pursuant to the California Storm Water Construction General Permit.
- H. The Contractor's personnel supervising the earthwork, sitework, erosion control, and sedimentation control and inspecting erosion controls shall be required to read the SWPPP. A copy of the SWPPP shall be maintained at the construction site by the Contractor and shall be available at all times for review by all Contractors, by the District, or by regulatory agency personnel."

14. **REPLACE** Article 10.02.02. Regulatory Fines with:

"10.02.02. Regulatory Fines

- A. The Contractor is responsible for any penalties or fines imposed upon the District by the Regional Water Quality Control Board (RWQCB) or by other regulatory bodies due to the Contractor's noncompliance with the requirements of the California Storm Water Construction NPDES General Permit. The actual cost of such penalties or fines shall be subtracted from the amount due, or that may become due, the Contractor."

15. **ADD** 10.08.G. California Air Resources Board Regulations Compliance Requirements to 10.08. Air Pollution:

“G. California Air Resources Board Regulations Compliance Requirements

1. The Contractor and its subcontractors operating any vehicles on the Project site with a diesel-fueled or alternative diesel-fueled off-road compression-ignition engine with maximum power of 25 horsepower or greater, may be subject to the California Air Resources Board (CARB) regulations regarding In-Use Off-Road Diesel Fueled Fleet at California Code of Regulations Title 13 Section 2449 (Section 2449).
2. If the Contractor determines that it or any of its subcontractors are not in compliance with Section 2449, the Contractor will immediately notify the Engineer and provide a corrective action plan. For more information, please visit the CARB In-Use Off-Road Diesel-Fueled Fleets Regulation webpage at <https://ww2.arb.ca.gov/ourwork/programs/use-road-diesel-fueled-fleets-regulation>”

SPECIAL PROVISIONS

Section 14. Special Requirements

16. **REPLACE** Article 14.16. Insurance with:

“14.16. Insurance

- A. Failure to file acceptable insurance documents within 10 Days after receiving the Notice of Award letter shall be just cause for the District’s annulment of award and forfeiture of the Bidder’s security in accordance with the Instructions to Bidders, Article 23. ~~Failure to Execute~~ **Execution of Contract. Failure to comply with the instructions below could also result in a delay in receiving the Notice to Proceed. The District will not be responsible for time lost or costs incurred due to failure to comply with these requirements. Please note the check list of documents needed at the end of this Appendix IV insurance requirement. Failure to comply with the instructions below could also result in a delay in receiving the Notice to Proceed. The District is not responsible for time lost or costs incurred due to failure to comply with these requirements. Please note the Checklist of Documents Needed, included at the end of this Section 14. SPECIAL REQUIREMENTS.**
- B. **Without limiting the Contractor’s indemnification of, or liability to, the District, the Contractor must provide and maintain at its own expense during the term of this Contract or as may be further required herein the insurance coverages and provisions in this article.**
- C. **The Contractor must provide its insurance broker(s)/agent(s) with a copy of these requirements and warrants that these requirements have been reviewed by the Contractor’s insurance agent(s) and/or broker(s) who have been instructed by the Contractor to procure the insurance coverage required herein.**

- D. In addition to certificates, the Contractor must furnish the District with copies of original endorsements affecting coverage required herein. The certificates and endorsements shall be signed by a person authorized by the insurer to bind coverage on its behalf. **All endorsements and certificates are to be received and approved by the District before the Contract is executed.** In the event of a Claim or dispute, the District has the right to require the Contractor's insurer to provide complete, certified copies of all required, and pertinent insurance policies, including endorsements affecting the coverages required herein.
- E. If your insurance broker has any questions about the above requirements, please advise the insurance broker to email the District's Risk Manager at RiskManager@valleywater.org.
- F. Contractor shall furnish the District with a Certificate of Insurance. The certificates shall be issued on a standard ACORD Form.
- G. Contractor shall instruct their insurance broker/agent to submit all insurance certificates and required notices electronically in PDF format to the designated District Contract Administrator and email a copy to scvwdplanroom@valleywater.org.
- H. The certificates must:
1. Identify the underwriters, the types of insurance, the insurance limits, the deductibles and the policy term;
 2. Include copies of all the actual policy endorsements required herein; and
 3. In the "Certificate Holder" box include:

Santa Clara Valley Water District
5750 Almaden Expressway
San Jose, CA 95118
Contract No. C0723
 4. The Contract number must be included.
- I. In the Description of Operations/Locations/Vehicles/Special Items Box:
1. Certificate Holder shall be named as Additional Insured;
 2. District agreement or project number shall appear;
 3. The list of policies scheduled as underlying on the Umbrella policy shall be listed; and
 4. Waiver of Subrogation must be indicated as endorsed to all policies.

- J. If Contractor receives any notice that any of the insurance policies required by this Contract may be cancelled or coverage reduced for any reason whatsoever, Contractor or insurer shall immediately provide written notice to the designated District Contract Administrator that such insurance policy as required herein is canceled or coverage is reduced.
- K. If Contractor fails to maintain such insurance as is called for herein, District, at its option, may suspend payment for work performed and/or may order Contractor to suspend all Contractor's work at Contractor's expense until a new policy of insurance is in effect.
- L. Contractor will provide the District with a current Certificate of Insurance and endorsements within thirty (30) business days from the expiration of insurance.
- M. Contractor shall instruct its insurance broker/agent to:
 - 1. Submit all renewals of insurance certificates and required notices electronically in PDF format to: scvwdplanroom@valleywater.org
 - 2. Provide the following information in the "Certificate Holder" box:

Santa Clara Valley Water District
5750 Almaden Expressway
San Jose, CA 95118
Contract No. C0723
 - 3. The Contract number must be included"

17. **REPLACE** Article 14.17. Web-Based Construction Document Management with:

"14.17. Web-Based Construction Document Management

14.17.01. Summary

- A. The Contractor, and its subcontractors and suppliers, must utilize the Document Control System (DCS) designated by the Engineer for submission of all data and documents throughout the duration of the Contract, unless specified otherwise in the Contract Documents. The term "Copy" or "Copies" shall refer to electronic copies unless a hard copy is specified. Where a hard copy is specified, both electronic and paper versions shall be submitted.
 - 1. The DCS will be made available to the Contractor, its subcontractors, and suppliers working on the Project, with appropriate access permission granted to view Project documents, logs, and Project coordination information.
 - 2. The Engineer will provide training on the utilization of the DCS system and instructions for online submission of documents required by the terms of the Contract, including submittals, RFIs, correspondence, progress payments,

schedules, schedule updates, proposals, PCOs, and other Contract requirements.

3. The DCS shall be the primary means of Project information submission and management.

B. Related Sections:

1. Article 7.01. Submittal Requirements, and Article 20.01, Additional Submittal Requirements
2. Article 2.04. Requests for Information
3. Article 5.05. Progress Schedules
4. Article 14.10. Operation and Maintenance Documents
5. Section 21. Payment Procedures

- C. The Engineer will establish the Contractor's access to DCS by allowing access and assigning user profiles to accepted Contractor personnel. User profiles will define levels of access to DCS and determine assigned function-based authorizations and user privileges to enter and access information in DCS. Subcontractors and suppliers will be given access to DCS by the Engineer. Entry of information exchanged and transferred between the Contractor and its subcontractors and suppliers on DCS shall be the responsibility of the Contractor.

- D. Within seven (7) Days after receiving the Notice to Proceed, the Contractor shall submit:

1. List of Contractor's personnel responsible for DCS administration.
2. Include descriptions of key personnel's roles and responsibilities for this Project and identify its organization's administrator.

- E. Within seven (7) Days after the Project Labor Agreement (PLA) Pre-Job Conference, the Contractor shall submit:

1. List of subcontractors' and suppliers' personnel responsible for DCS administration.
2. Include descriptions of key personnel's roles and responsibilities for this Project and identify its organization's administrator.

- F. Data entered in a collaborative mode (entered with the intent to share as determined by permissions and workflows within DCS system) by the Engineer and the Contractor will be jointly owned.
- G. The Contractor is responsible for managing, tracking, and documenting the Work to comply with the requirements of the Contract Documents. The District's acceptance via automated system notifications or audit logs extends only to the face value of the submitted documentation and does not constitute validation of the Contractor's submitted information.

14.17.02. Computer and Connectivity Requirements

- A. The Contractor must use computer hardware and software that meets the requirements for accessing and utilizing DCS system. As recommendations are modified by DCS, the Contractor shall upgrade its system(s) to meet or exceed the recommendations. Upgrading of the Contractor's computer systems shall not be a justification for a cost or time modification to the Contract.
- B. The Contractor shall ensure that connectivity to DCS system is accomplished through DSL, cable, T-1, or wireless communications systems. The minimum bandwidth requirement for using the system is 128 kb/s. It is recommended that a faster connection be used when uploading pictures and files into the system.
- C. Connectivity Responsibility
 - 1. The DCS is a web-based environment and, therefore, subject to the inherent speed and connectivity limitations of the internet. The Contractor is responsible for its own connectivity to the internet. The DCS response time is dependent on the Contractor's equipment, including processor speed, internet access speed, etc., and current traffic on the internet.
 - 2. The District will not be liable for any delays associated with the usage of ProjectWise DCS, including, but not limited to, slow response time, downtime periods, connectivity problems, or loss of information. The Contractor shall ensure connectivity to the ProjectWise DCS system (whether at the home office or job site). Under no circumstances will usage of the DCS be a basis for a time extension or cost adjustment to the Contract.

14.17.04. Contractor Responsibility

- A. Contractor shall be responsible for scanning or otherwise converting to electronic format all Project submittals and Contractor correspondence, drawings, sketches, etc., and uploading them to DCS website.
- B. The Contractor is responsible for the validity of its information placed in DCS.

- C. Accepted users shall be knowledgeable in the use of computers, including internet browsers, email programs, CADD applications, and a Portable Document Format (PDF) document distribution program.
- D. The Contractor shall utilize the existing forms in DCS to the maximum extent possible. If a required form does not exist in DCS, the Contractor shall include a form of its own or one provided by the Engineer (if available) as an attachment to a submittal.
- E. PDF documents shall be created through electronic conversion rather than optically scanned whenever possible. If optically scanned, the document shall be converted through an Optical Character Reader so that all documents are searchable. If the documents have multiple sections, then the Contractor shall provide a "bookmark" for each section. The Contractor is responsible for the training of its personnel in the use of DCS (outside what is provided by the District) and the other programs indicated above as needed. The Contractor shall disable all security so that copying and pasting of information from the PDF document is enabled.
- F. The Contractor must provide a list of key DCS personnel for the Engineer's acceptance. The contractor is responsible for informing the Engineer of additional personnel, subcontractors, and suppliers to be added to the system or of personnel, subcontractors, and suppliers to be removed from the system. The Engineer reserves the right to perform a background check on all potential users.

14.17.05. Training

- A. The Engineer will provide training consisting of two web-based seminars in conjunction with a conference call. Additionally, one classroom or virtual training seminar may also be required. The training seminars are 2 hours each.
- B. Contractor shall arrange and pay for the facilities and hardware/software required to facilitate the Contractor's own training.

14.17.06. DCS Utilization

- A. The DCS shall be utilized in connection with all document and information management required by these Contract Documents. Documents and information to be submitted electronically include, but are not limited to, the documents described below.
- B. Submittals:
 - 1. Submittals shall be in accordance with Section 7. Submittal Management and Section 20. Submittal and Quality Requirements.
- C. Administrative documents: All correspondence shall be submitted using DCS. Examples include, but are not limited to:

1. Written correspondence (letters, memos, etc.)
2. Requests for Information (RFI)
3. Daily Work Reports
4. Survey requests
5. Compliance documentation (test reports, QA/QC reports, certifications)

D. Schedules:

1. All schedules and associated updates shall be submitted in accordance with Article 5.05. Progress Schedules.
2. All schedules and associated updates shall be submitted as specified in these Contract Documents and as a native backed-up file of the scheduling program being used. The schedule shall be posted as a PDF file in the format specified in these Contract Documents and as a backup file.

E. Operation and Maintenance Documents:

1. Operation and Maintenance Documents shall be submitted in accordance with Article 14.10. Operation and Maintenance Documents.
2. In addition to electronic copies transmitted via DCS, the Contractor shall provide hard copies of each final favorably reviewed Operation and Maintenance Documents submittal. The number of hard copies to be provided shall be as required in Article 14.10. Operation and Maintenance Documents.

F. Financial Documents:

1. Schedule of Values.
2. Monthly applications for payment.
3. Change Order requests and proposals.
4. Change Order supporting documentation, including daily extra work reports.
5. Requirements for financial documents shall be in accordance with Section 21. Payment Procedures. Supporting material for financial documents shall be submitted on DCS utilizing both DCS schedule of values format and as PDF attachments."

Section 19. Environmental

18. **REPLACE** Article 19.01. Compliance with NPDES General Permit with:

“19.01. Compliance With NPDES General Permit

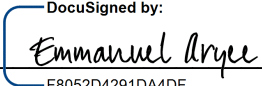
- A. The Contractor shall prepare and submit a Storm Water Pollution Prevention Plan (SWPPP) as required **by the most current California State Water Resources Control Board National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharge Associated with Construction and Land Disturbance Activities (California Storm Water Construction General Permit)**. The SWPPP shall be in accordance with ~~Section XIV SWPPP Requirements of the NPDES General Permit~~ **the California Storm Water Construction General Permit**. Reference is made to Standard Provisions, SECTION 10. ENVIRONMENTAL, Article 10.02. Storm Water Pollution Prevention Plan.
- B. The Contractor shall comply with the risk level 2 requirements of the NPDES General Permit.”

19. **REPLACE** Article 19.01.01. SWPPP with:

“19.01.01. SWPPP

- A. The Contractor is responsible for implementing and complying with all requirements of the California Storm Water Construction General Permit.
- B. The Contractor must submit all required data to the District no later than July 15 each year, covering the previous reporting period from July 1 through June 30, if a Waste Discharge Identification (WDID) number is active for at least 90 days within the reporting period.
 - 1. The District is responsible for preparing and electronically submitting in SMARTS, an Annual Report no later than September 1 of each year for each construction project covered by the California Storm Water Construction General Permit (see Standard Provisions, Section 10. Environmental, Article 10.02. Storm Water Pollution Prevention Plan, 10.02.A.) The Contractor’s submission of all required data by July 15 will ensure the District has sufficient time to review, certify, and submit the Annual Report required pursuant to the California Storm Water Construction General Permit.”

THIS ADDENDUM NO. 2, WHICH CONTAINS 20 PAGES, IS ATTACHED TO AND IS A PART OF THE SPECIFICATIONS AND CONTRACT DOCUMENTS FOR THIS PROJECT.

DocuSigned by:

 Date: 8/15/2025

Emmanuel Aryee, P.E.
 Deputy Operating Officer
 Water Utility Capital Division



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Santa Clara Valley Water District

Notification of this Addendum is transmitted via PlanetBids Vendor Portal to all current plan holders.

This Addendum is posted on the Valley Water PlanetBids Public Site for Bids Vendor Portal at

<https://pbsystem.planetbids.com/portal/48397/portal-home>

August 29, 2025

ADDENDUM NO. 3
TO CONTRACT DOCUMENTS FOR THE
SOUTH COUNTY RECYCLED WATER PIPELINE PHASE 1C PROJECT
Project No. 91094009 Contract No. C0723
Invitation No. VW0596

Notice is hereby given to Prospective Bidders that the Contract Documents are modified as hereinafter set forth.

SPECIFICATIONS AND CONTRACT DOCUMENTS

SPECIAL PROVISIONS

Section 12. Work and Contract Time(s)

1. **REPLACE** Paragraph D under Article 12.03. "Contract Time(s)" with:

"D. Milestone Completion:

1. The Contractor shall complete Milestone 1 before the expiration of 30 Days from the first chargeable day of the Contract.
2. The Contractor shall complete Milestone 2 before the expiration of 50 Days from the first chargeable day of the Contract.
3. The Contractor shall complete Milestone 3 before ~~April 10, 2026~~ **the expiration of 140 Days from the first chargeable day of the Contract.**
4. The Contractor shall complete Milestone 4 before ~~May 28, 2026~~ **the expiration of 185 Days from the first chargeable day of the Contract.**

2. **REPLACE** Article 12.07. "Liquidated Damages" with:

"12.07. Changes

- A. Any request by the Contractor for an increase or decrease in the Contract Price(s) or Contract Time(s) shall be based on written notice delivered promptly by the Contractor to the Engineer, but in no event delivered later than 5 Days after the Day of the occurrence of the event giving rise to the request and stating the general nature of the request.**
- B. The Change Order Request by the Contractor shall be substantiated within 15 Days after submittal of written notice with a cost proposal quantifying the cost and schedule impacts associated with the request with supporting data, unless the Engineer allows an additional period of time for the Contractor to ascertain more accurate data in support of the request.**
- C. The Engineer shall review the Contractor's Change Order Request within 10 Days after receipt of the cost proposal and supporting documents and render its determination in writing. If the Engineer requires a longer period for its determination, the Engineer shall provide written notice to the Contractor within the initial 5 Day period. If the Engineer does not issue a determination within the initial or extended period, the request shall be deemed rejected."**

Section 13. General Requirements

3. **REPLACE** Item B. in Article 13.04.01. "Geotechnical Reports" with:

"B. A geotechnical investigation consisting of soil borings and test pits was carried out for Valley Water. The results of the soil samples and laboratory test analyses are referenced in the report titled:

- 1. Not used.**
~~"GEOTECHNICAL INVESTIGATION REPORT, SOUTH COUNTY RECYCLED WATER PIPELINE SHORT-TERM PHASE 1B/2A PROJECT, SANTA CLARA COUNTY, CALIFORNIA". Prepared by Kleinfelder Inc., December 2016.~~
- 2. "GEOTECHNICAL INVESTIGATION REPORT, SOUTH COUNTY RECYCLED WATER PIPELINE SHORT-TERM PHASE 1B/2A PROJECT, SANTA CLARA COUNTY, CALIFORNIA". Prepared by Parikh Inc., October 2016.
- 3. "GEOTECHNICAL INVESTIGATION REPORT, TRUNK SEWER AND CAMINO ARROYO SERVICE LINE ALIGNMENTS, SOUTH COUNTY RECYCLED WATER PIPELINE PROJECT PHASE 1B, SANTA CLARA COUNTY, CALIFORNIA". Prepared by Kleinfelder Inc., January 2014.
- 4. "GEOTECHNICAL ENGINEERING INVESTIGATION REPORT TRUNK SEWER MAIN REPLACEMENT AND RECYCLED WATER PIPELINE". Prepared by BSK Associates Engineers & Laboratories, October 2012.

5. "GEOTECHNICAL INVESTIGATION REPORT, SOUTH COUNTY RECYCLED WATER PIPELINE PROJECT, PHASE 1A PIPELINE ALIGNMENT GILROY, CALIFORNIA". Prepared by Santa Clara Valley Water District, April 2011.

6. **Not used.**

~~"GEOTECHNICAL INVESTIGATION, THOMAS ROAD BRIDGE AT UVAS CREEK, GILROY, CALIFORNIA". Prepared by Woodward-Clyde, November 1987."~~

4. **REPLACE** Item C. in Article 13.04.01. "Geotechnical Reports" with:

"C. Electronic version of the Geotechnical Reports listed in Article 13.04.01.B. are available on Valley Water's vendor portal:

<https://vendors.planetbids.com/portal/48397/bo/bo-detail/131538#>

~~<https://pbsystem.planetbids.com/portal/48397/portal-home>."~~

5. **REPLACE** Paragraph A. in Article 13.04.03. "Hazardous Material Investigation Report" with:

"A. The Reports are listed below.

1. "Phase I Hazardous Substance Liability Assessment Update, Elite Development Property, APNs 799-44-109 and 799-44-110 Gilroy, California" dated April 7, 2021.
2. "Hazardous Substance Liability Assessment Update, 700 Holloway Road Gilroy, California" dated April 7, 2021.
3. "Hazardous Substance Liability Assessment Update, 935 Southside Drive Gilroy, California" dated April 7, 2021.
4. "Hazardous Substance Liability Assessment N700 Update, Holloway Road Gilroy, California" dated April 6, 2021.
5. "Phase I Hazardous Substance Liability Assessment South County Recycled Water Pipeline, Phase 1B 1500 Southside Drive Gilroy, California" dated November 17, 2020.
6. "Phase I Hazardous Substance Liability Assessment 465 Thomas Road Gilroy, California" dated November 17, 2020.
7. "Phase I Hazardous Substance Liability Assessment Green Valley Corporation Property Gilroy, California" dated November 17, 2020.
8. "Phase I Hazardous Substance Liability Assessment United Natural Foods 6351 Cameron Boulevard Gilroy, California" dated November 17, 2020.
9. "Soil Quality Report Olam, Obata, Hirasaki Properties Gilroy, California" dated November 4, 2016.
10. "Hazardous Substance Liability Assessment, 700 Holloway Road Gilroy, California" dated November 9, 2015.

11. **Not used.**
~~“Hazardous Substance Liability Assessment, 935 Southside Drive Gilroy, California” dated April 1, 2015.~~
 12. “Hazardous Substance Liability Assessment, N700 Holloway Road Gilroy, California” dated March 27, 2015.
 13. **“Phase I Hazardous Substance Liability Assessment, Elite Development Property APNs 799-44-109 and APN 799-44-110, Gilroy, California” dated July 6, 2016”**
6. **REPLACE** Paragraph C. in Article 13.04.03. “Hazardous Material Investigation Report” with:
- “C. Electronic version of the Hazardous Material Investigation Reports are available on Valley Water’s vendor portal:
<https://vendors.planetbids.com/portal/48397/bo/bo-detail/131538#>
[https://pbsystem.planetbids.com/portal/48397/portal-home.](https://pbsystem.planetbids.com/portal/48397/portal-home)”
7. **REPLACE** Paragraph E. in Article 13.04.05. “As-Built Documents” with:
- “E. The following as-built Drawings are provided.
1. **Not used.**
~~“Record Drawings for Glen Loma Ranch Phase 1A,” dated 2016. See Drawings for requirements.~~
 2. “Map and Construction Plan for South County Recycled Water Pipeline Short-Term Phase 1B Project Camino Arroyo Service Line from Princevalle Storm Drain to Silacci Way,” dated 2015. See Drawings for requirements.
 3. “Map and Construction Plan for South County Recycled Water Pipeline Short-Term Phase 1A Project from SCRWA Wastewater Treatment and Reclamation Facility to 900 feet West of Engle Way on Southside Drive,” dated 2011. See Drawings for requirements.
 4. **Not used.**
~~“Sports Park Site Improvements Phase I and II” dated 2004. See Drawings for requirements.~~
 5. **Not Used.**
~~“Map and Construction Plan for Thomas Road Bridge at Uvas Creek,” dated 1988. See Drawings for requirements.~~
 6. “Plans for the Construction of Emergency Irrigation System Near the City of Gilroy,” dated 1978. See Drawings for requirements.
 7. “SCRWA-SCVWD Recycled Water Partnership,” dated 2002. See Drawing for requirements.

Section 14. Special Requirements

8. **REPLACE** Article 14.15. "Partnering" with:

"14.15. Partnering

- A. Professionally Facilitated Project Partnering (PFPP) is not required."
~~Professionally Facilitated Project Partnering (PFPP) is included as a supplemental bid item. The District or the Contractor may request the use of PFPP. The Contractor's attention is directed to Standard Provisions Article 3.15.02—Professionally Facilitated Project Partnering.~~

~~14.15.01 Payment~~

- ~~A. All bidders shall bid the amount shown for Bid Item No. 64, Professionally Facilitated Project Partnering. This amount is estimated only, and the Bid Item will be used to reimburse the Contractor for the District's share in accordance with Standard Provisions Article 3.15.02, Professionally Facilitated Project Partnering.~~

Section 18. Permits and Regulations

9. **REPLACE** Article 18.05. "Light Pollution" with:

"18.05. Light Pollution

- A. No additional outdoor lighting shall be permitted unless otherwise specified. Lighting from Contractor's trailers and equipment shall be blocked during nighttime use between the hours of 8:00 pm and 8:00 am, and lights turned off when not in use overnight."

Section 21. Payment Procedures

10. **REPLACE** item 1 under paragraph P. "Bid Item No. 16 – Trench Excavation for Pressure Pipe – Phase 1C" with:

- "1. Scope of Work: This bid item shall include furnishing all supervision, labor, materials, tools, equipment, **installation of shoring, bracing and sheeting**, and incidentals necessary for trench excavation for the construction of Pressure Pipe for Phase 1C as shown on the Drawings and as specified in these Specifications."

11. **REPLACE** item 2 under paragraph S. "Bid Item No. 19 – Traffic Rated In-Vault Air Release Valve Assembly – Phase 1C" with:

- "2. The work includes, but is not limited to: all excavation and dewatering; **installation and removal of shoring, bracing and sheeting**; the installation, assembly and/or placement of the HDPE nozzle and outlet, HDPE flange adapters and stainless steel back up rings, CDF bedding and encasement, reinforced concrete precast vault base, flanged reducing nozzles, flanged butterfly valve, combination air release valve and associated ARV piping, fittings and supports, precast concrete vault with lockable access hatch or manhole cover as applicable, valve stem extensions, valve boxes with concrete support rings, below grade precast concrete vault waterproofing,

assembly epoxy coating, **removal and replacement of curb and gutter as applicable, removal and replacement of driveway panels as applicable**, backfill and compaction; hauling and disposal of surplus excavated materials; and all other incidentals necessary to complete the work in place and restore the site to its original condition, as detailed on the construction plans.”

12. **REPLACE** item 2 under paragraph T. “Bid Item No. 20 – In-Vault Pump Out Riser Assembly @ STA 322+68 – Phase 1C” with:

“2. The work includes, but is not limited to: **all excavation and dewatering; installation and removal of shoring, bracing and sheeting**; the installation, assembly and/or placement of the flanged cement mortar coated and lined welded steel spools with flanged nozzle and outlet, reinforced concrete precast vault base, flanged reducing nozzles, flanged gate valve with miter gear, precast concrete vault with lockable access hatch or manhole cover as applicable, concrete valve supports, valve stem extensions, valve boxes with concrete support rings, below grade precast concrete vault waterproofing, assembly epoxy coating, guard posts and/or marking posts as applicable, ~~removal of the existing fence and installation of a double swing gate and posts at approximately STA 330+32~~, removal and replacement of curb and gutter as applicable, ~~removal and replacement of concrete driveway panels as applicable~~, backfill and compaction; hauling and disposal of surplus excavated materials; and all other incidentals necessary to complete the work in place and restore the site to its original condition, as detailed on the construction plans.”

13. **REPLACE** item 2 under paragraph V. “Bid Item No. 22 – Ex Recycled Water Connection Assembly @ Princeville Storm Drain – Phase 1C” with:

“2. The work includes, but is not limited to: all excavation and dewatering; the installation **and removal of sheeting, shoring and bracing**; ~~assembly and/or placement of vertical shoring~~; **removal of the existing fence and installation of a double swing gate and posts at approximately STA 330+32**, below grade precast vault, traffic rated frame and cover, 12-inch service butterfly valves, 12-inch restrained dismantling joints, 12-inch flanged fusion bonded epoxy coated and cement mortar coated welded steel piping, gate valve assembly, pipeline surface preparation, coating and lining of all internal and external, and in-vault, and exposed pipeline appurtenances, and associated component surfaces, HDPE reducer, HDPE flange adapter and stainless steel backup ring, concrete thrust block on the existing 12-inch RCW pipeline, and all other incidentals necessary to complete the work in place and restore the site to its original condition, as detailed on the construction plans. All work requiring the shutdown of the existing facilities as it relates to the connection of the new pipeline to the existing facilities shall be completed during one (1) shutdown that is to be coordinated and scheduled with Valley Water and SCRWA.”

TECHNICAL PROVISIONS

Section 23. Preparatory Work

14. **REPLACE** paragraph B under 1.01. in Article 23.06, "Erosion Control" with:

- "B. State Water Resources Control Board (SWRCB) National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (~~Order # 2009-0009-DWQ~~)"

Section 24. Earthwork

15. **REPLACE** 1.04. in Article 24.08, "Exploratory Investigation" with:

"1.04 MEASUREMENT AND PAYMENT

- A. Full compensation for doing all work required for exploratory investigations for the Project shall be included in the unit price bid item of lump sum for **EXPLORATORY INVESTIGATION – PHASE 1C, Bid Item No. 15.**
~~EXPLORATORY INVESTIGATION, Bid Item No. 17.~~
- B. Full compensation for doing all work required for **additional** exploratory investigations for ~~Phase 1C~~ shall be in the unit price ~~bid of lump sum~~ **per each pothole for ADDITIONAL POTHOLING TO LOCATE UTILITIES – SUPPLEMENTAL BID ITEM, Bid Item No. 26.**
~~EXPLORATORY INVESTIGATION – PHASE 1C – SUPPLEMENTAL WORK, Bid Item No. 56~~
- C. Refer to Article 21.01 – Bid Items."

16. **REPLACE** 1.05. in Article 24.16, "Shoring and Bracing" with:

"1.05 MEASUREMENT AND PAYMENT

- A. Full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all work required for shoring, bracing, and sheeting, as shown on the Drawings and as specified in these Specifications, shall be included in the lump sum price bid for CONNECTION ASSEMBLY AT STA. 300+00 – PHASE 1C, Bid Item No. 9.
- B. Full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all work required for shoring, bracing, and sheeting, as shown on the Drawings and as specified in these Specifications, shall be included in the unit bid price per cubic yard for TRENCH EXCAVATION FOR PRESSURE PIPE – PHASE 1C, Bid Item No. 16.

- C. Full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all work required for shoring, bracing and sheeting, as shown on the Drawings and as specified in these Specifications, shall be included in the unit bid price per each for TRAFFIC RATED IN-VAULT AIR RELEASE VALVE ASSEMBLY – PHASE 1C, Bid Item No. 19.
- D. Full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all work required for shoring, bracing and sheeting, as shown on the Drawings and as specified in these Specifications, shall be included in the unit bid price per each for IN-VAULT PUMP OUT RISER ASSEMBLY @ STA 322+68 – PHASE 1C, Bid Item No. 20.
- E. Full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all work required for shoring, bracing and sheeting, as shown on the Drawings and as specified in these Specifications, shall be included in the lump sum price bid for EX RECYCLED WATER CONNECTION ASSEMBLY @ PRINCEVALLE STORM DRAIN - PHASE 1C, Bid Item No. 22.
- F. Refer to Article 21.01 – Bid Items.
- G. Any delays to the schedule, as a result of a shoring system that does not meet the specified performance requirements, and for resubmitting a revised shoring system, shall be the Contractor's sole expense."

Section 26. Asphalt Paving & Pavement Restoration

17. **REPLACE** 1.04. in Article 26.01, "Asphalt Paving & Pavement Restoration" with:

"1.04 MEASUREMENT AND PAYMENT

- A. Full compensation for doing all work required for exploratory investigations for the Project shall be included in the unit price bid item of lump sum for PAVEMENT RESTORATION – PHASE 1C, Bid Item No. 14.
- B. Refer to Article 21.01, Bid Items."

CONSTRUCTION MAP AND PLANS

18. **REPLACE** the following revised plan sheets with **ATTACHMENT NO. 1.**

- 1) G-03 (Sheet 3) SHEET INDEX
- 2) G-05 (Sheet 5) GENERAL NOTES
- 3) C-05 (Sheet 13) DETAILS AND SECTION PHASE 1C CONNECTION
- 4) C-06 (Sheet 14) ENLARGED PLAN FOR CONNECTION TO EXIST 12" RCW PIPE
- 5) C-07 (Sheet 15) MISCELLANEOUS DETAILS
- 6) C-08 (Sheet 16) CARV VAULT AND SERVICE TURNOUT DETAILS AND SECTIONS
- 7) C-09 (Sheet 17) CARV VAULT DETAILS AND SECTIONS
- 8) C-13 (Sheet 21) STANDARD DETAILS – NOZZLE DETAILS – STEEL PIPE
- 9) C-14 (Sheet 22) STANDARD DETAILS – TEMPORARY OUTLET DETAILS – STEEL PIPE
- 10) CP-01 (Sheet 31) ABBREVIATIONS & GENERAL CATHODIC PROTECTION NOTES

- 11) CP-02 (Sheet 32) CATHODIC PROTECTION DETAILS I
- 12) CP-03 (Sheet 33) CATHODIC PROTECTION DETAILS II
- 13) CP-04 (Sheet 34) CATHODIC PROTECTION DETAILS III
- 14) CP-05 (Sheet 35) CATHODIC PROTECTION DETAILS IV
- 15) CP-06 (Sheet 36) CATHODIC PROTECTION DETAILS V
- 16) CP-07 (Sheet 37) CATHODIC PROTECTION DETAILS VI

GENERAL QUESTIONS & RESPONSE

QUESTION 1: (Date Received – August 21, 2025)

Is surety paper to be used or Surety 2000 form to be used for bid bond? There is no bid bond form in bid package, correct? If there is please point out where it is - Thank you.

RESPONSE 1:

See Section 17. Bidder's Security in the Notice to Bidders for details of Bidder's Bond submission, as well as "Description and Scope" under the Bid Information tab in PlanetBids. As stated, all bidders must submit a verified electronic Bidder's Bond (e-Bond) through either Surety2000 or Tinubu. The Contract ID for this project is VW0596 and must be used when creating the e-Bond.

THIS ADDENDUM NO. 3, WHICH CONTAINS 9 PAGES AND 1 ATTACHMENT(S), IS ATTACHED TO AND IS A PART OF THE SPECIFICATIONS AND CONTRACT DOCUMENTS FOR THIS PROJECT.

DocuSigned by:

F8052D4291DA4DF

Date: 8/30/2025

Emmanuel Aryee, P.E.
Deputy Operating Officer
Water Utility Capital Division

ENCLOSURE(S):

ATTACHMENT NO. 1: Revised Plan Sheets G-03, G-05, C-05, C-06, C-07, C-08, C-09, C-13, C-14, CP-01, CP-02, CP-03, CP-04, CP-05, CP-06, CP-07

**ATTACHMENT 1
ADDENDUM NO. 3
TO CONTRACT DOCUMENTS FOR THE
SOUTH COUNTY RECYCLED WATER PIPELINE
PHASE 1C PROJECT
Project No. 91094009 Contract No. C0723
Invitation No. VW0596**

DocuSign Envelope ID: 61FEFD74-70CF-420A-956C-0EBE25A0F9C0

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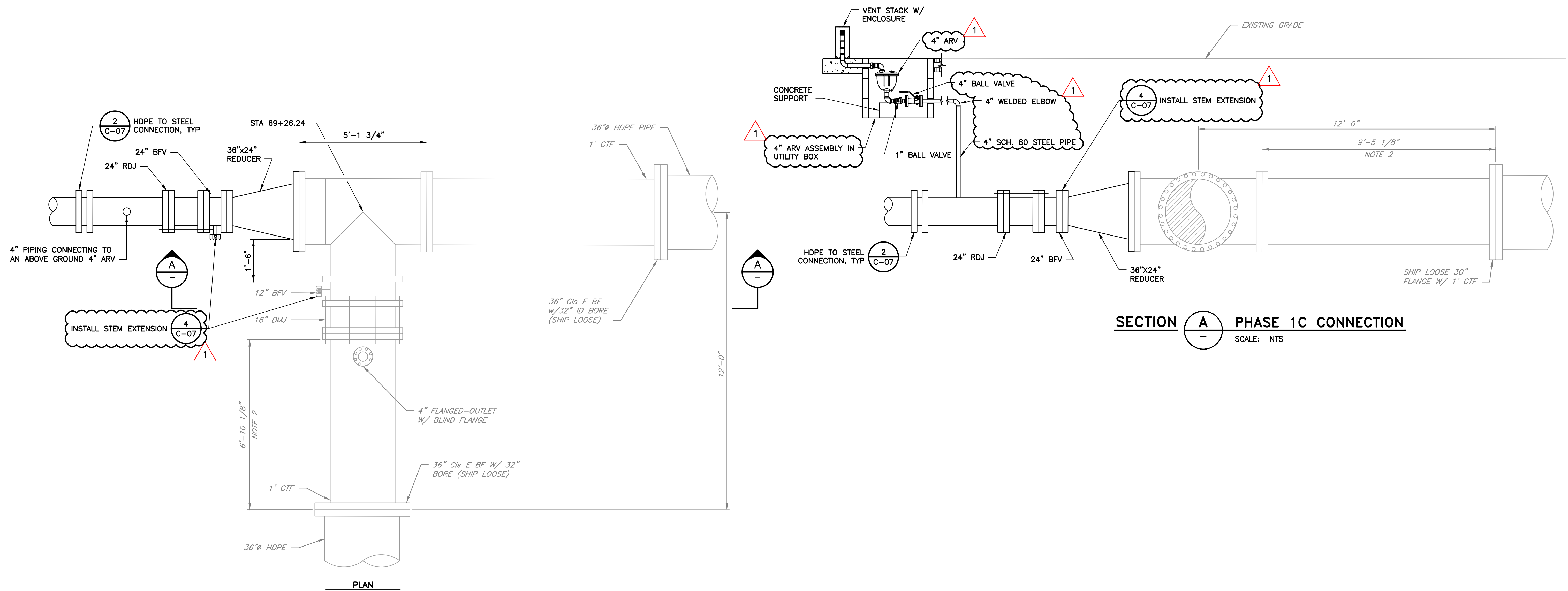
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SECTION **A** PHASE 1C CONNECTION
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NOTES:

1. INSTALLATION CONTRACTOR TO VERIFY AND CONFIRM ALL DIMENSIONS SHOWN ON THE DRAWINGS HEREIN.
2. UNLESS SHOWN OTHERWISE, ALL PIPE SHALL BE CEMENT MORTAR LINED AND COATED (CMLxCMC).

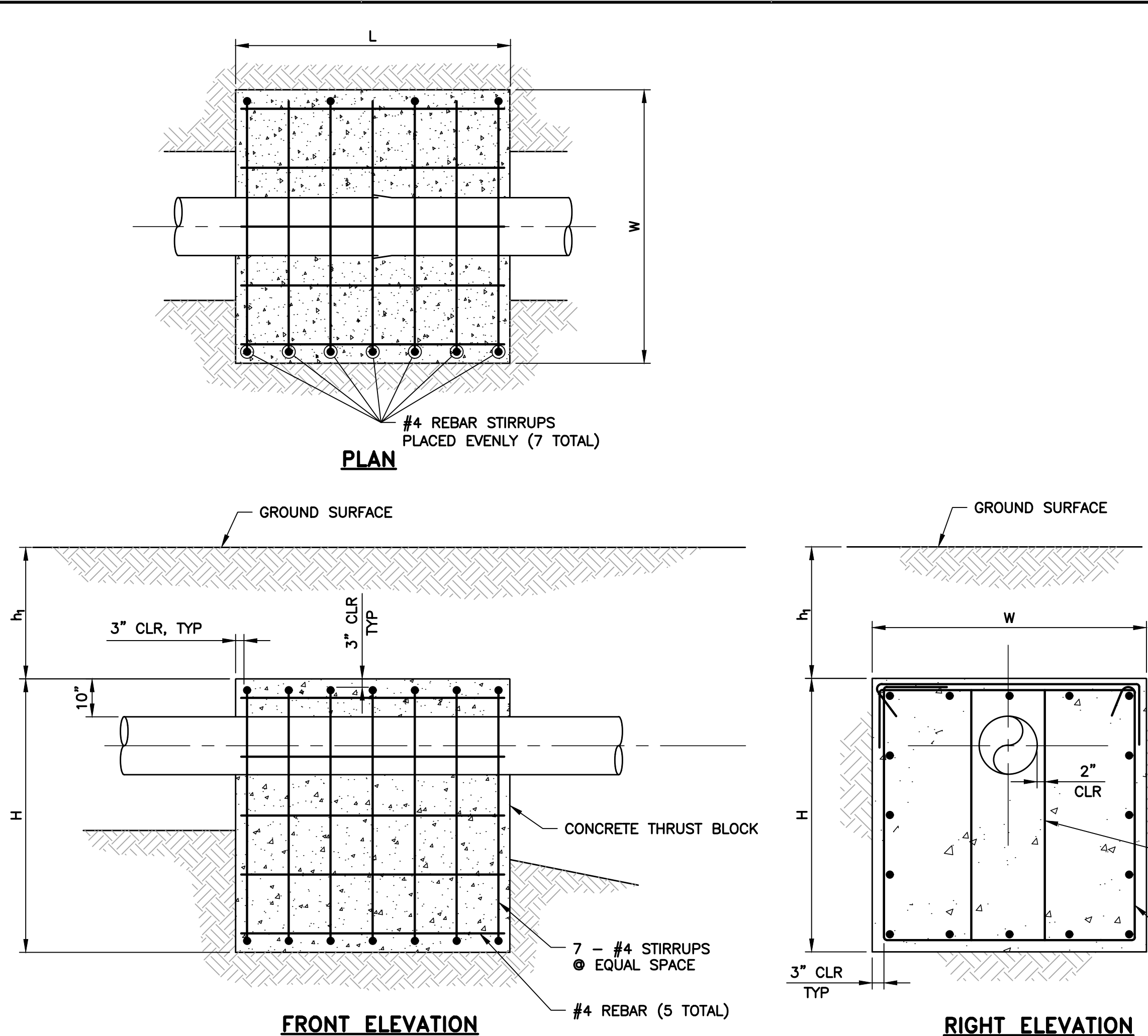
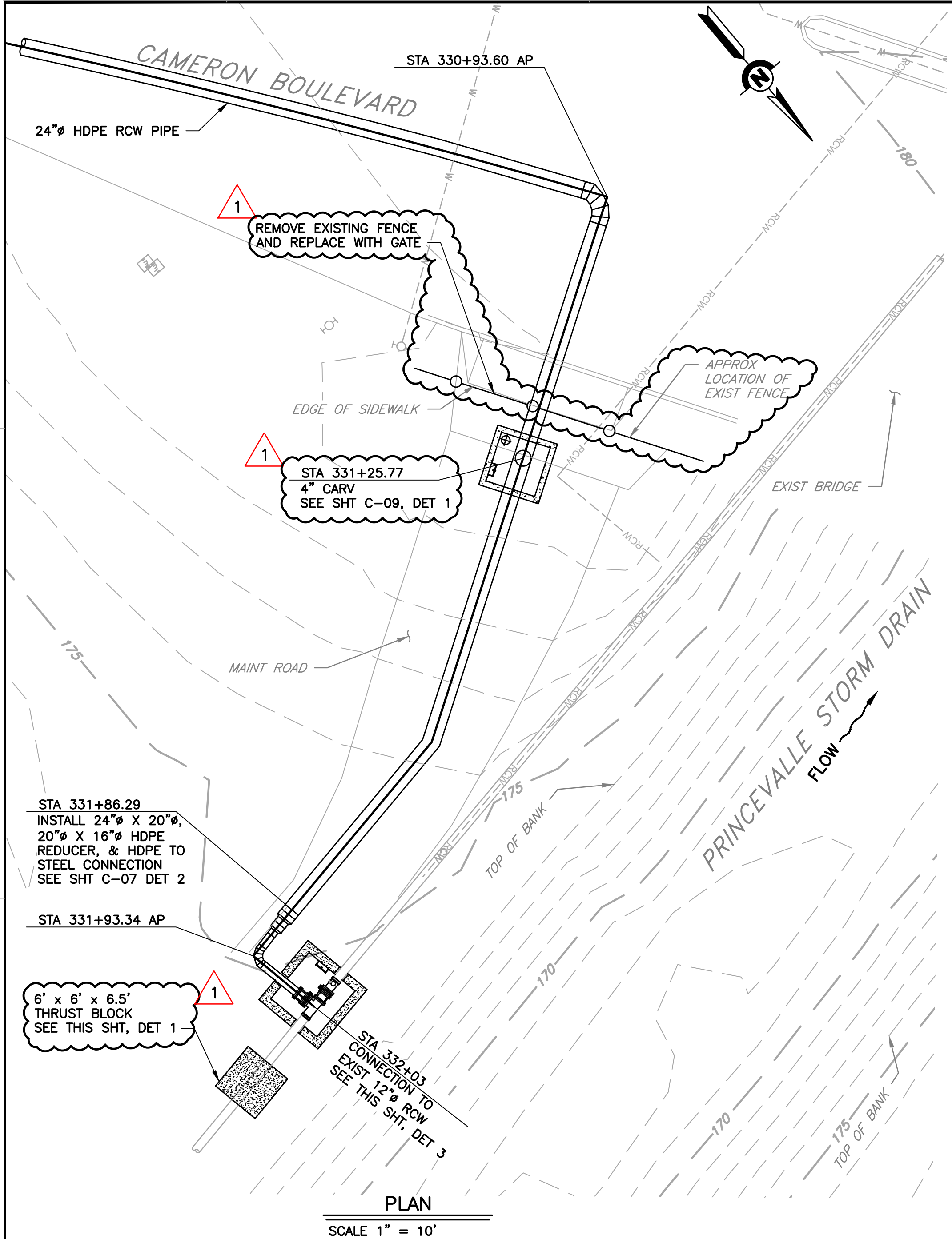
DETAIL  **PHASE 1C CONNECTION**
SCALE: NTS

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1	ADDENDUM #3	08/25	MT		7/8/2025			SOUTH COUNTY RECYCLED WATER PIPELINE PHASE 1C DETAILS AND SECTION PHASE 1C CONNECTION	AS SHOWN VERIFY SCALES 0 1"  BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	91094009 SHEET CODE: 1 C-05 SHEET NUMBER: 13
	<div style="border: 2px solid red; padding: 5px; text-align: center;"> ADDENDA DRAWING 08-20-2025 </div>									

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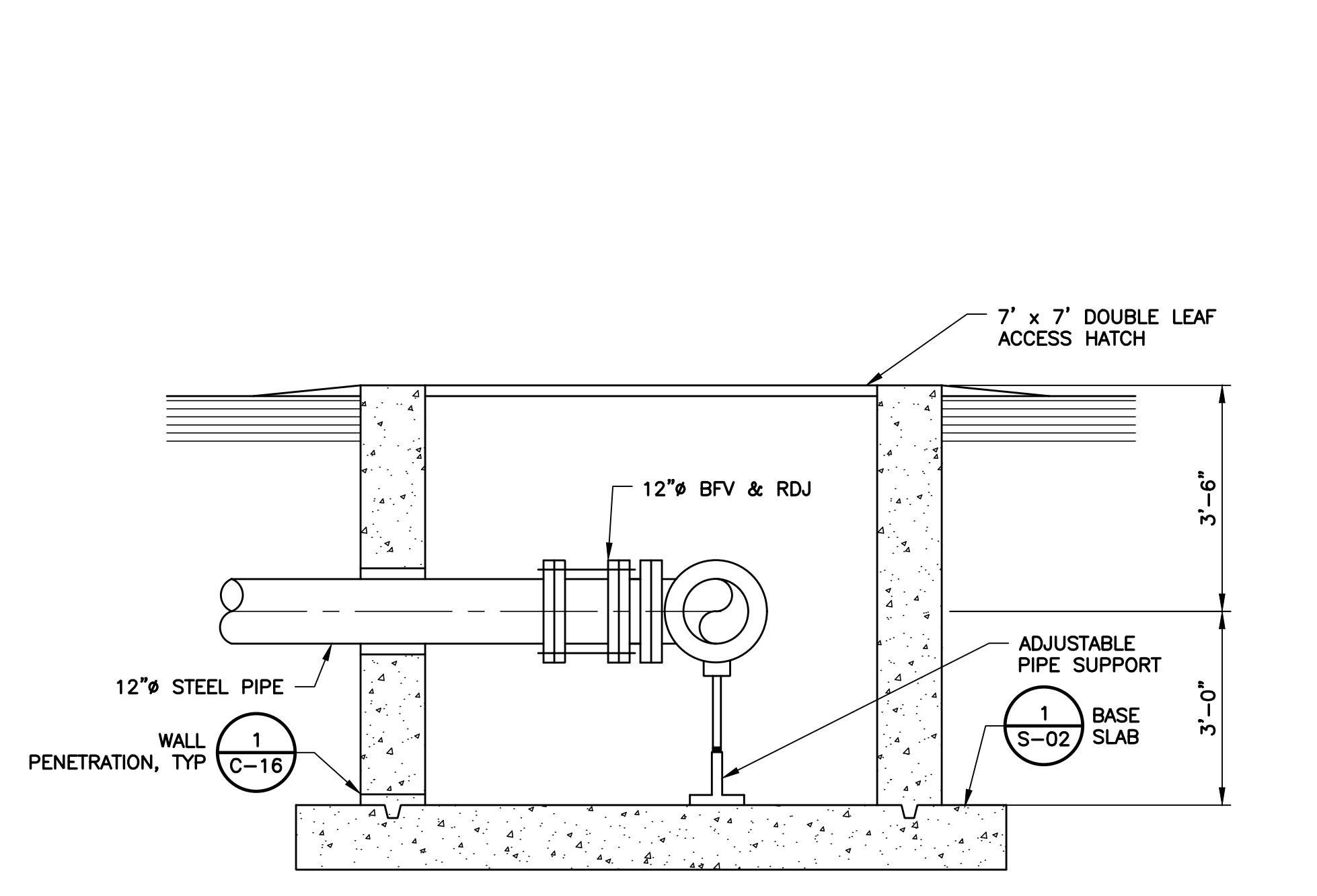
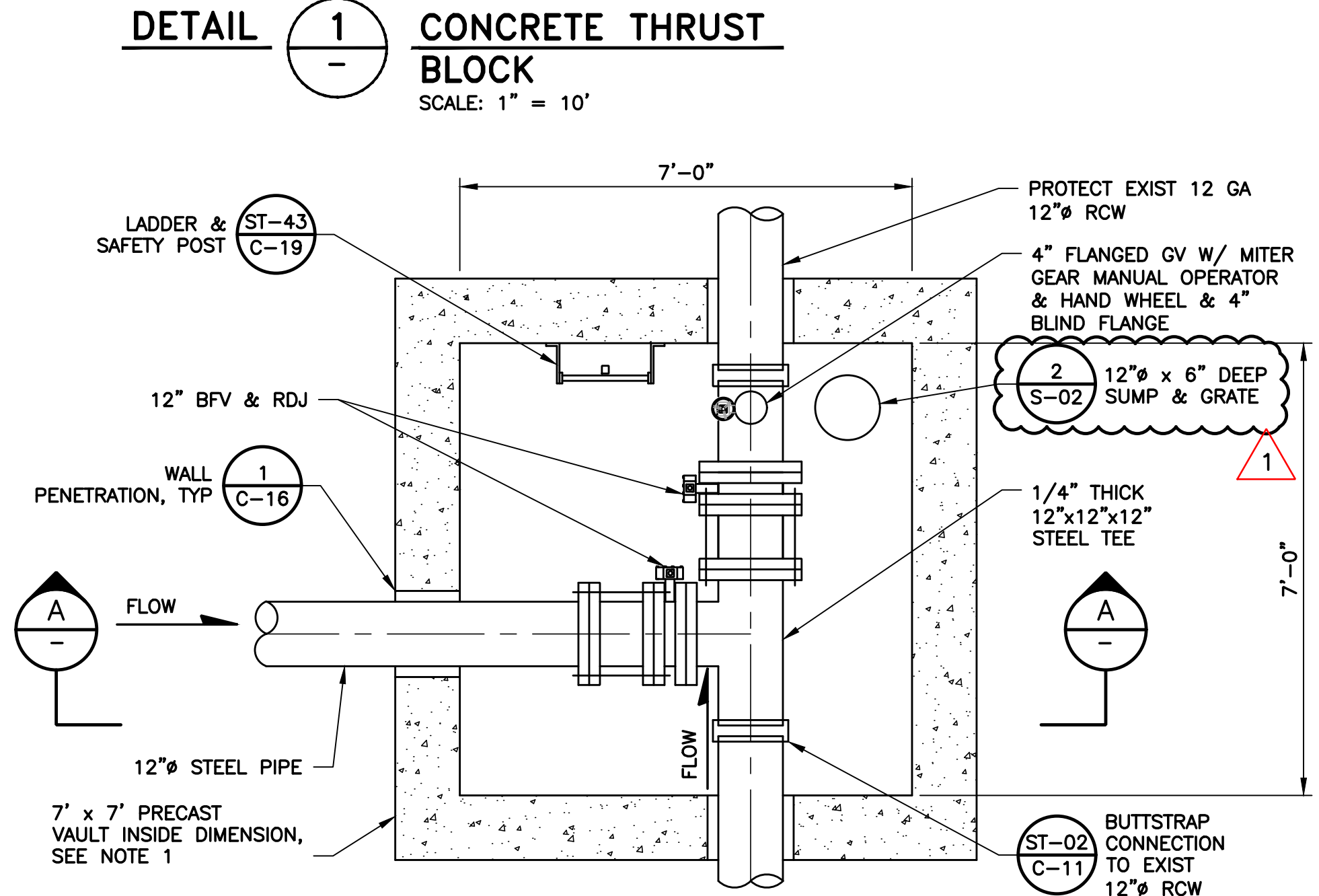


THRUST BLOCK DIMENSIONS (FT)				
PIPE SIZE (INCHES)	^h _(SEE NOTE BELOW)	H	W	L
12"	-	6	6.5	6

FOR ^h_h, REFER TO SHT C-04

NOTE:

1. FOR 12" WSP, INSTALL ANCHOR RING PER DET 2, THIS SHT.

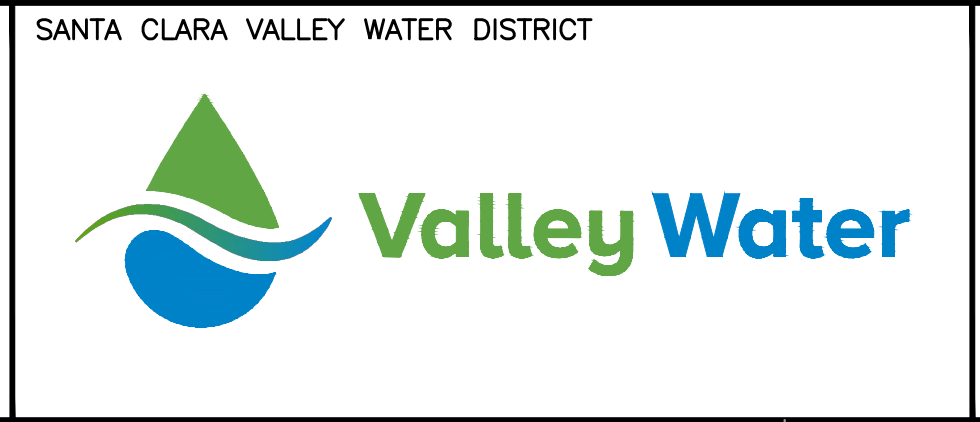
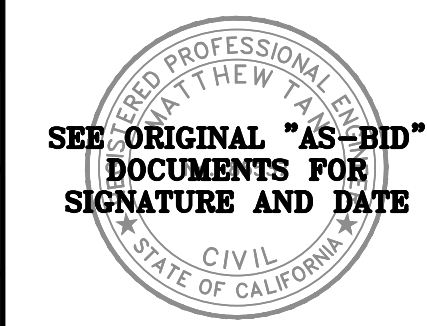


REV	DESCRIPTION	DATE	APPR
1	ADDENDUM #3	08/25	MT

ADDENDA DRAWING
08-20-2025

REFERENCE INFORMATION AND NOTES
1. SEE SHEET R-03 FOR 12" RCW AS-BUILT.
2. CONTRACTOR SHALL DRAIN, CLEAN AND VIDEO INSPECT EXISTING 12" RCW PRIOR TO CONNECTION TO NEW 12" RCW WSP.

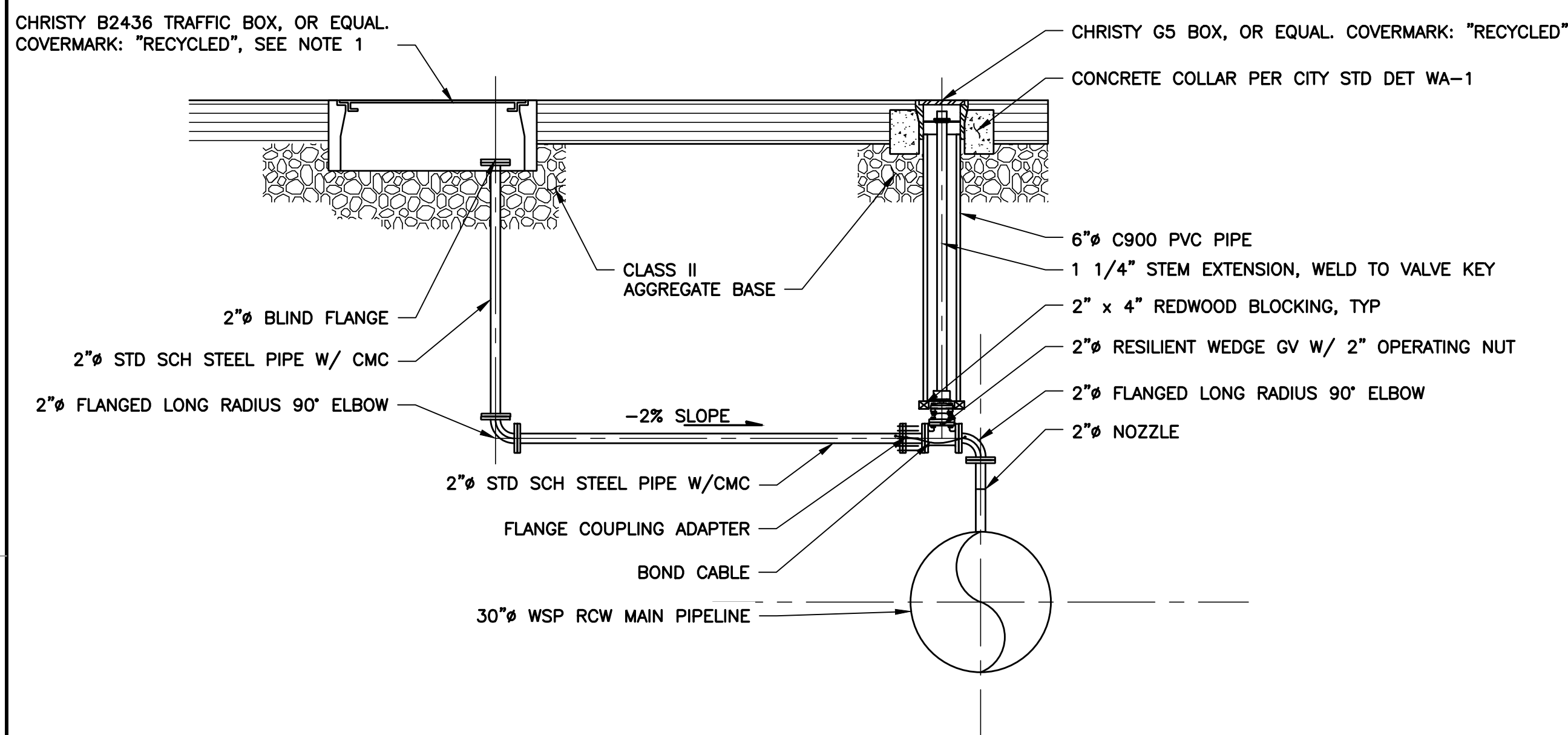
DATE 7/8/2025
DESIGN M. TAN
DRAWN T. TRAN
CHECKED J. RENTERIA
ENGINEER



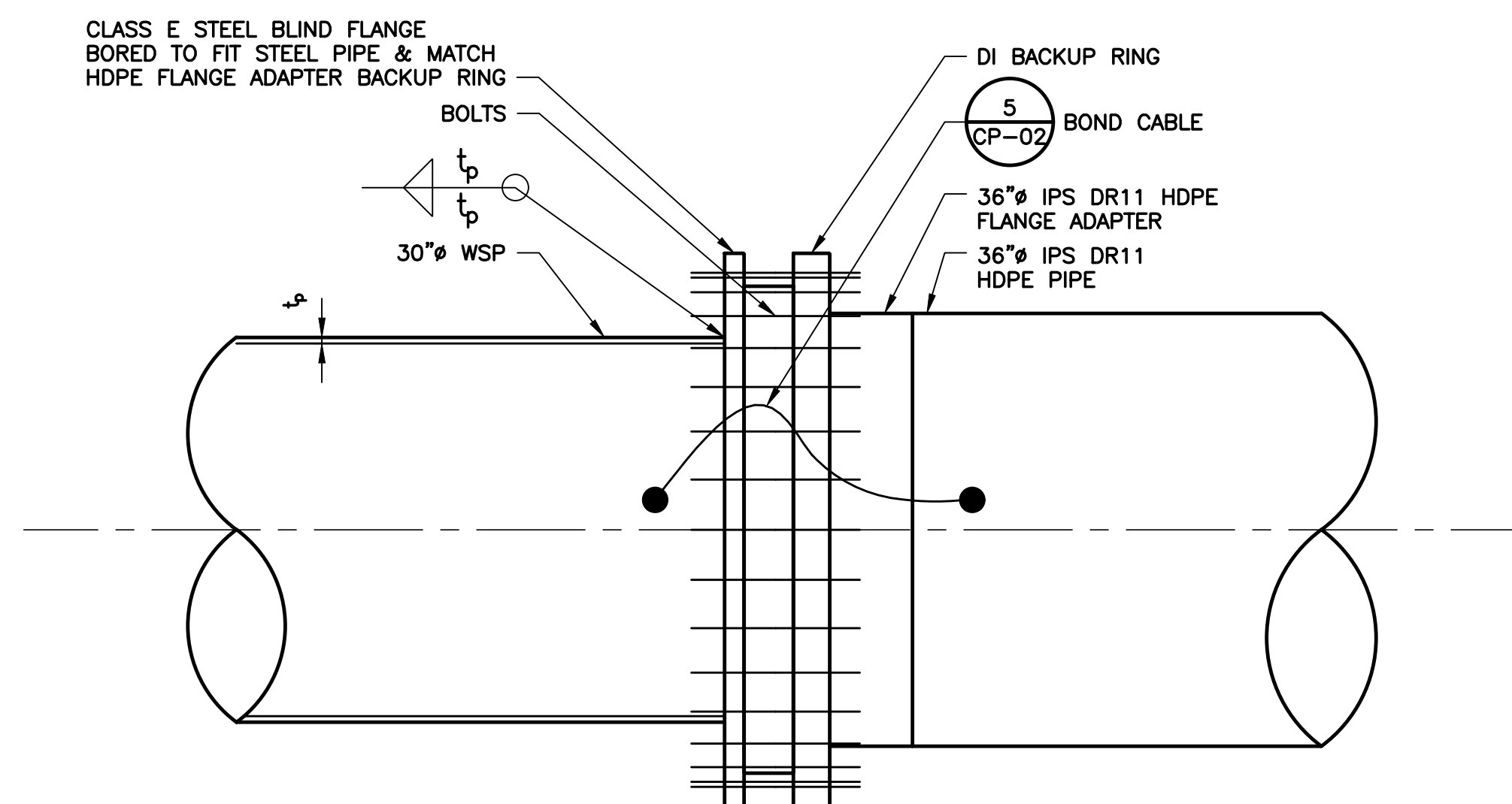
PROJECT NAME AND SHEET DESCRIPTION:
SOUTH COUNTY RECYCLED WATER PIPELINE PHASE 1C
ENLARGED PLAN FOR CONNECTION TO EXIST 12" RCW PIPE

SCALE AS SHOWN
VERIFY SCALES
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BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

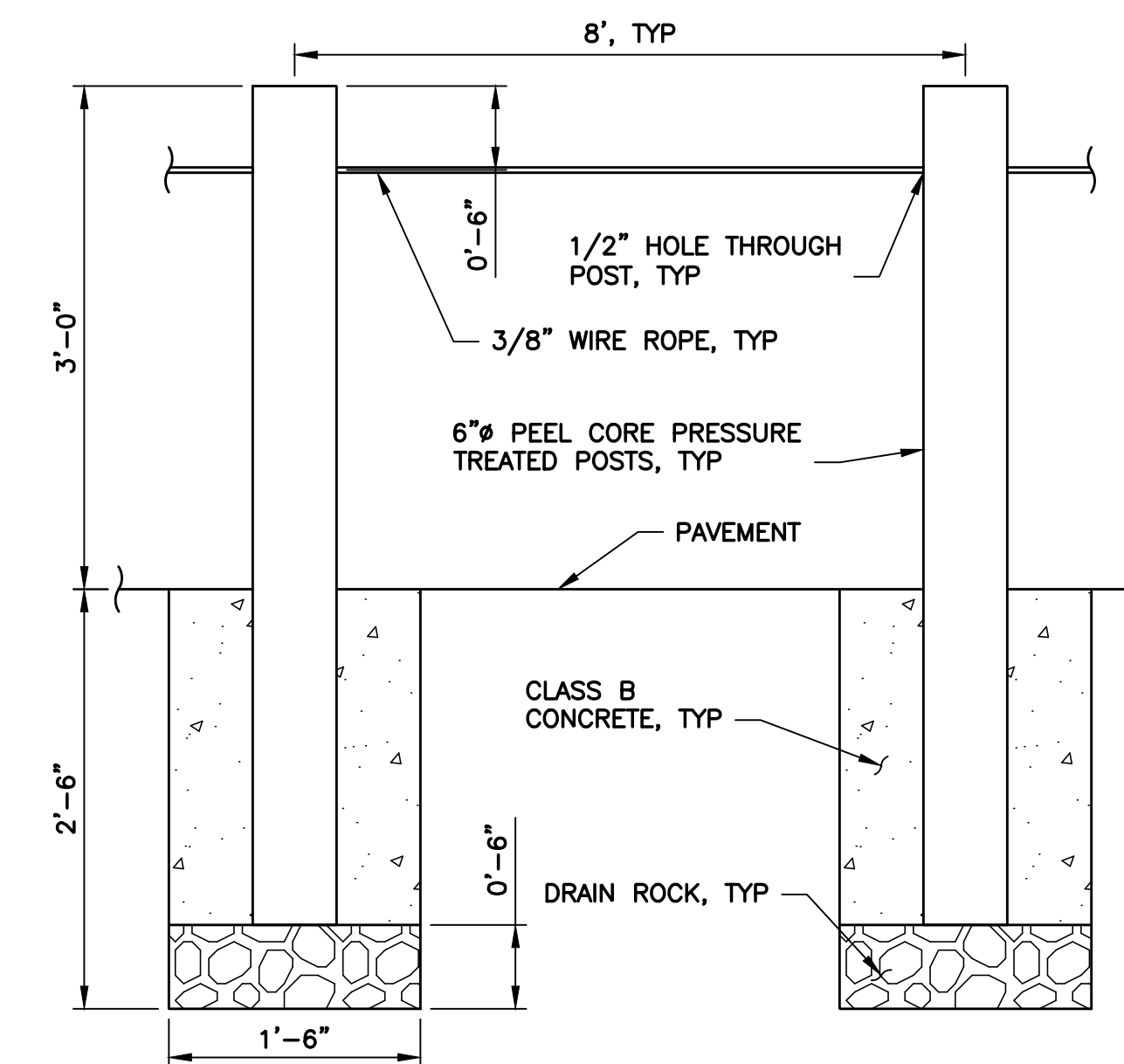
PROJECT NUMBER
91094009
SHEET CODE: **C-06**
SHEET NUMBER: 14



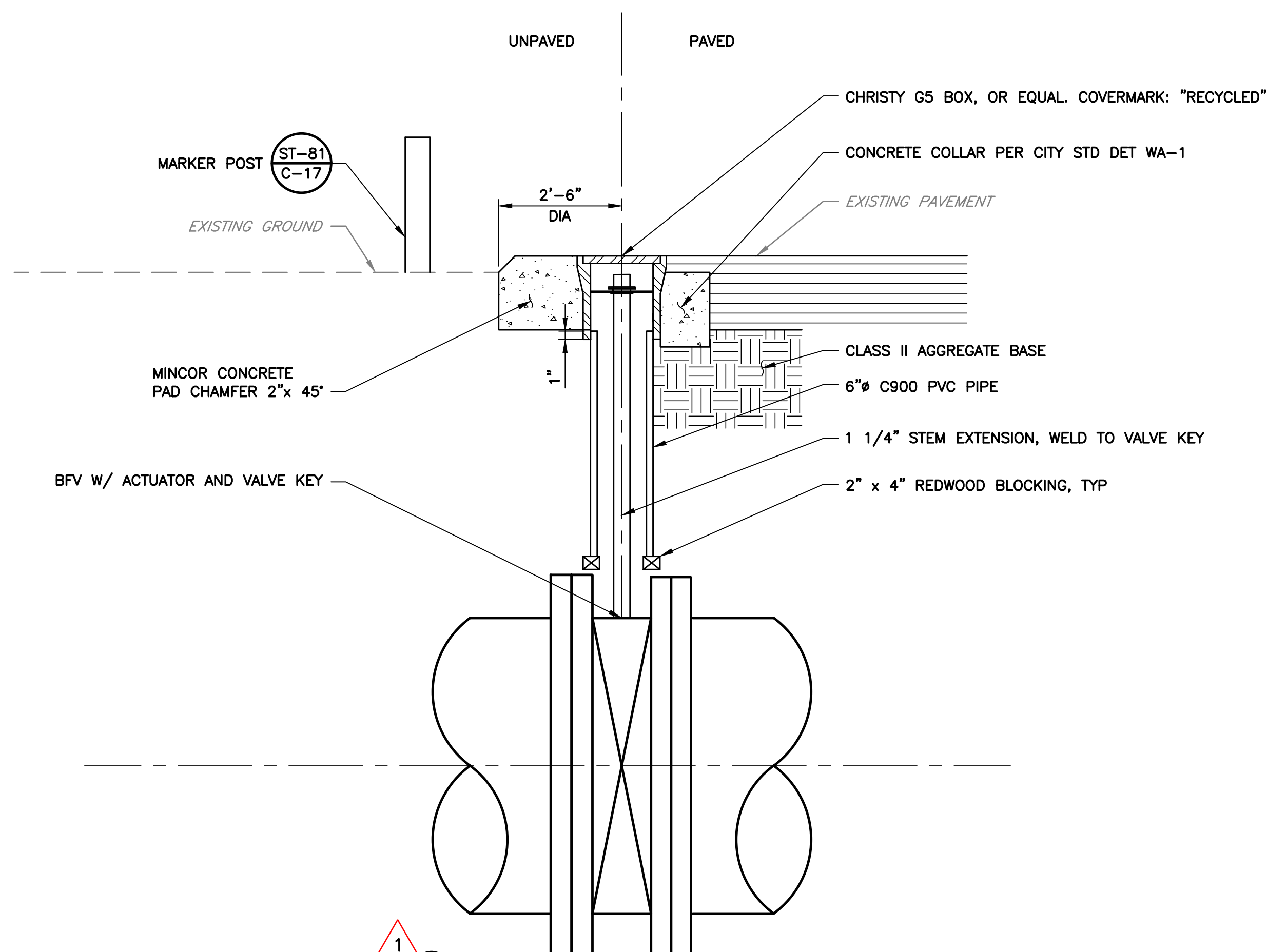
DETAIL 1 2" RECYCLED WATER TURNOUT ASSEMBLY
SCALE: NTS



DETAIL **2** **HDPE TO STEEL CONNECTION**
C-05
C-06
SCALE: NTS



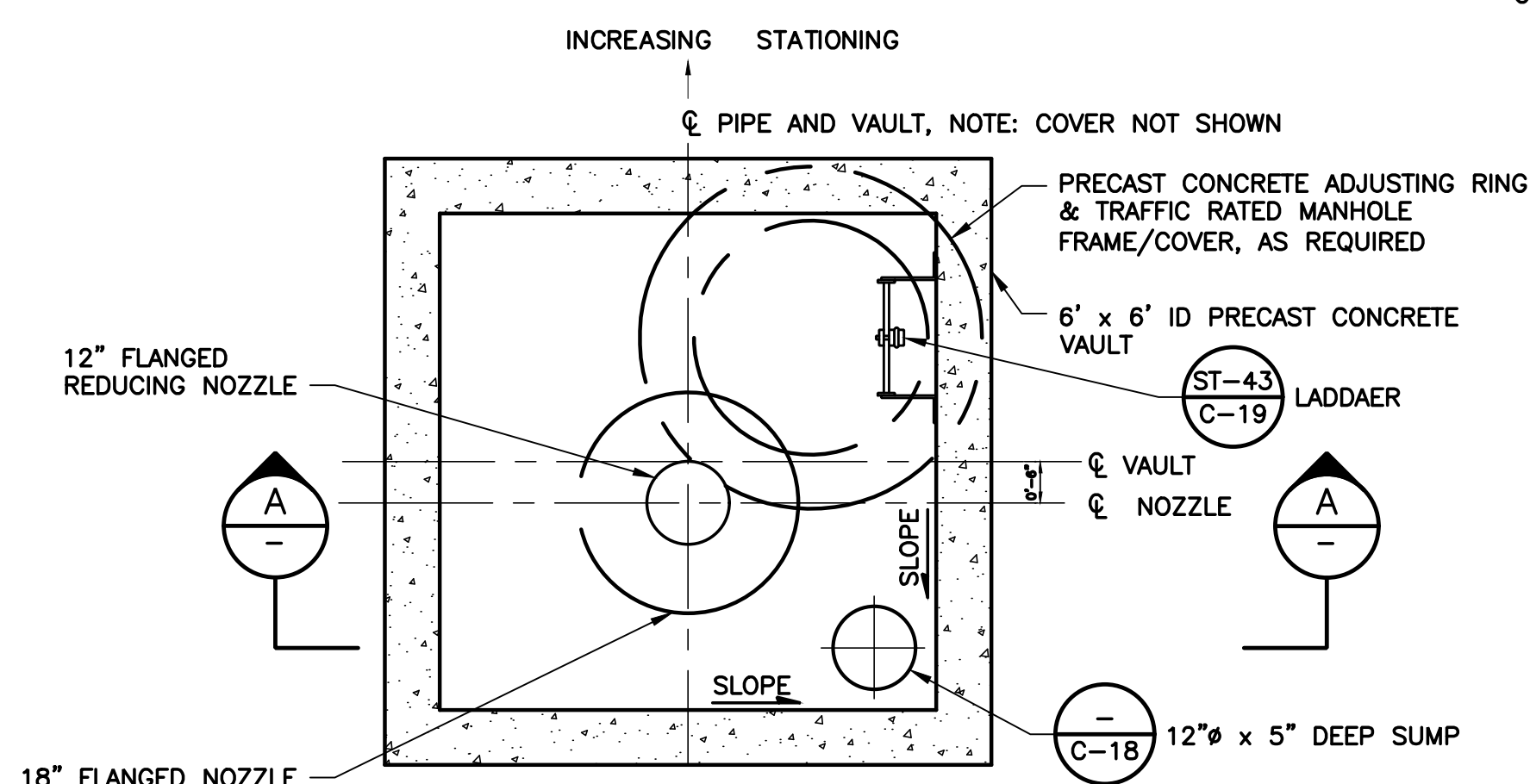
DETAIL 3
— WOOD POST & CABLE
SCALE: NTS



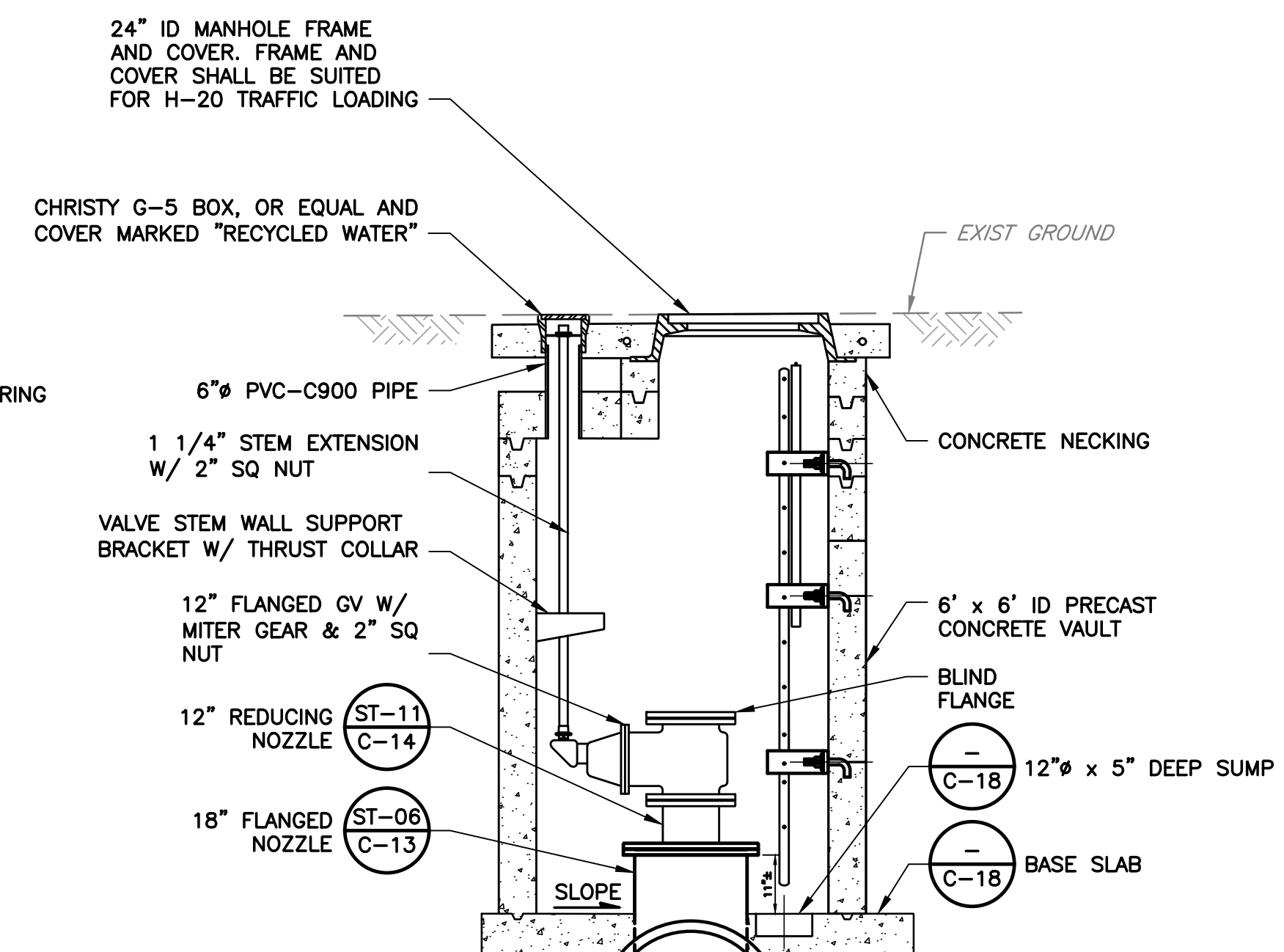
DETAIL **4** **STEM EXTENSION**

C-05
C-08
C-09




SCALE: NTS



DETAIL **5** **TRAFFIC RATED PUMP OUT RISER**
C-03 SCALE: NTS



SECTION **A** **TRAFFIC RATED PUMP OUT RISER**
 SCALE: NTS

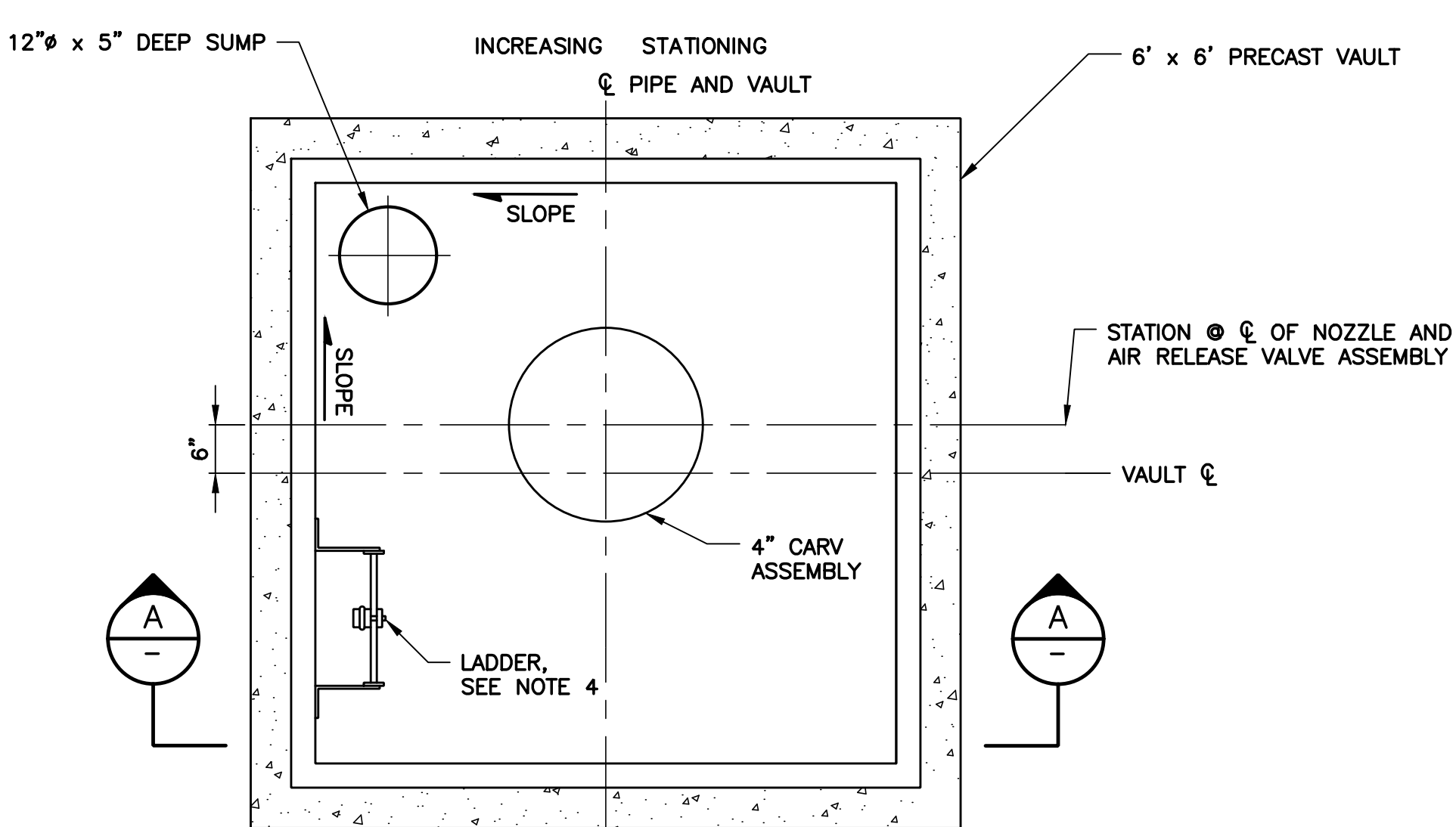
REV	DESCRIPTION	DATE	APPR	REFERENCE INFORMATION AND NOTES	DATE	ENGINEERING CERTIFICATION	SANTA CLARA VALLEY WATER DISTRICT	PROJECT NAME AND SHEET DESCRIPTION:	SCALE	PROJECT NUMBER
1	ADDENDUM #3	08/25	MT	1. TRAFFIC BOXES AND STUBOUT SHALL BE PLACED IN THE CENTER MEDIAN ISLANDS WHEN POSSIBLE.	7/8/2025	 SEE ORIGINAL "AS-BID" DOCUMENTS FOR SIGNATURE AND DATE		SOUTH COUNTY RECYCLED WATER PIPELINE PHASE 1C MISCELLANEOUS DETAILS	AS SHOWN VERIFY SCALES  BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	91094009 SHEET CODE: 1 C-07 SHEET NUMBER: 15
<div style="border: 2px solid red; padding: 5px; text-align: center; color: red;"> ADDENDA DRAWING 08-20-2025 </div>										

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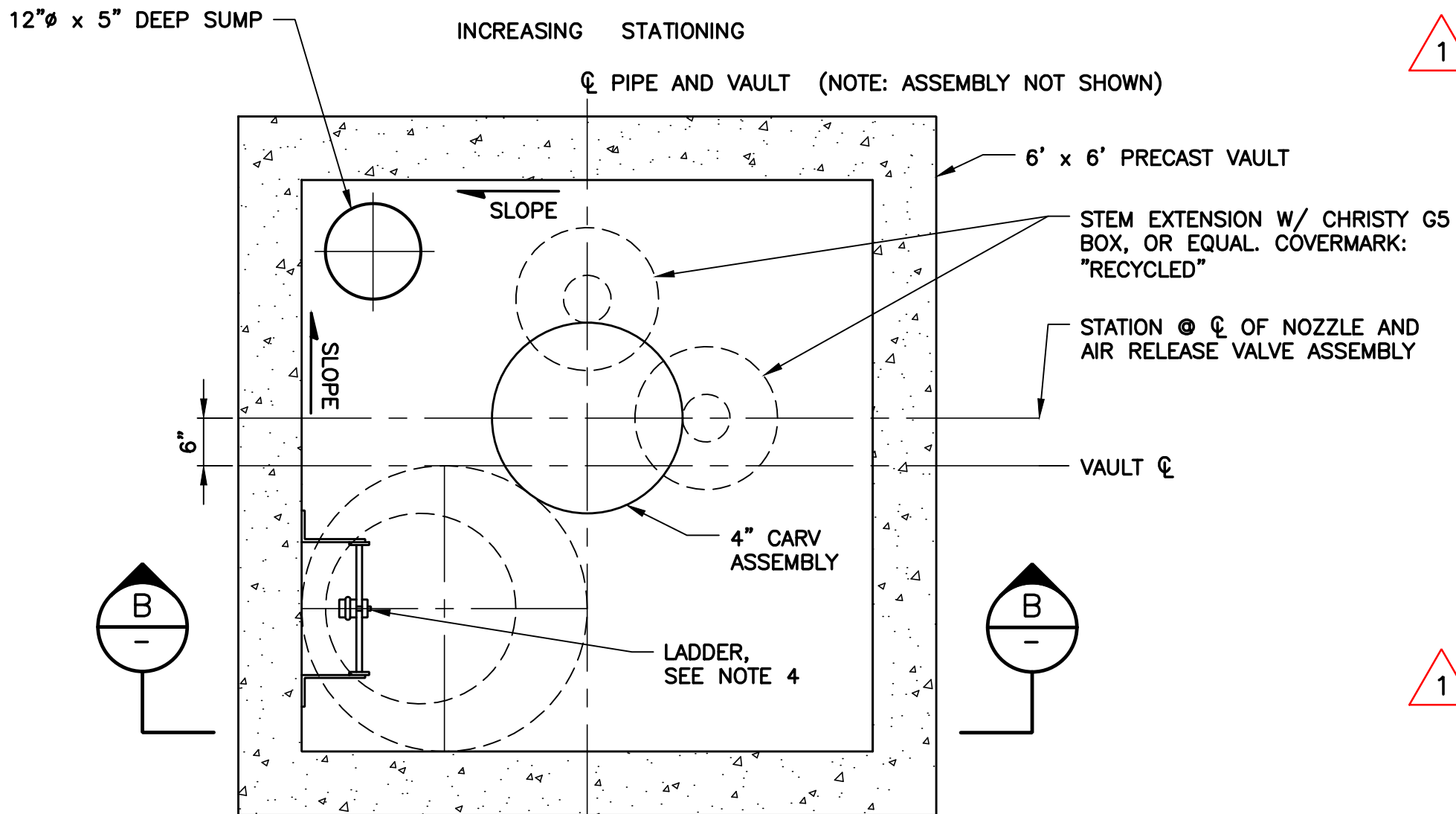
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DOCUMENT NUMBER: WAE-C-9109-86770

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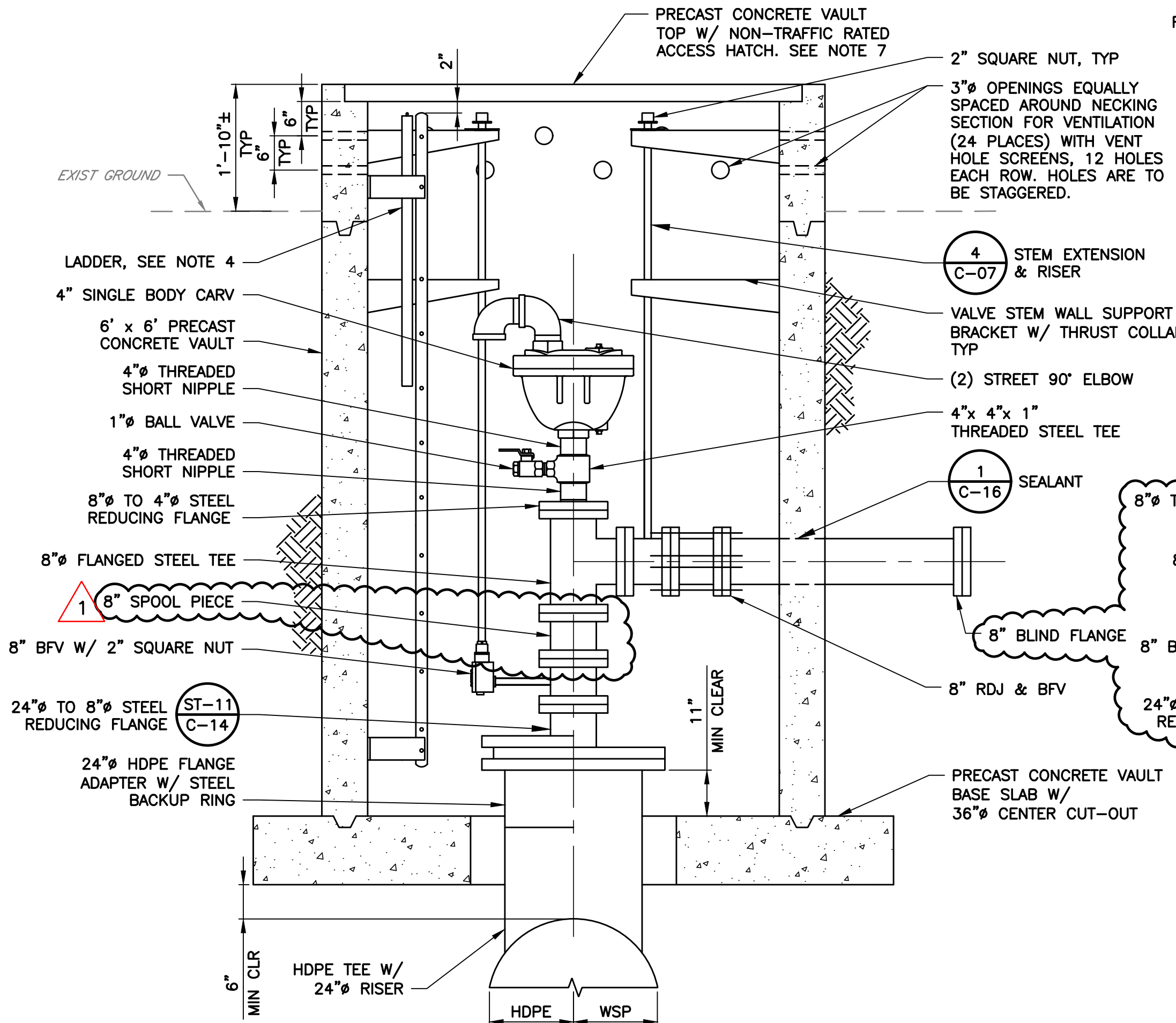
DETAIL 1
CARV IN RAISED VAULT AND SERVICE TURNOUT
SCALE: NTS



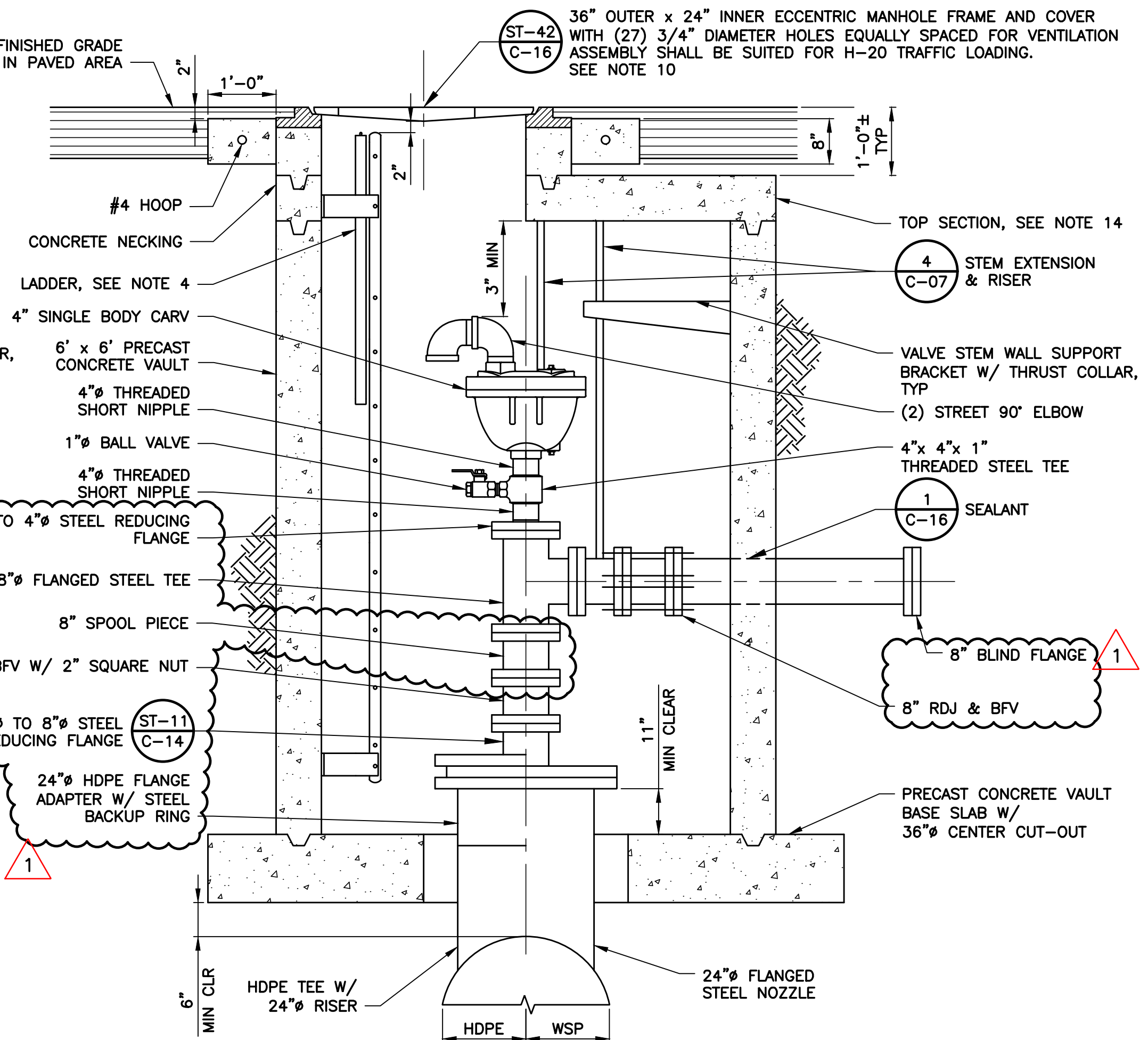
DETAIL 2
CARV IN TRAFFIC RATED VAULT AND SERVICE TURNOUT
SCALE: NTS

NOTES:

1. NOT USED.
2. NOZZLES, VALVES, AND FITTINGS SHALL BE COATED AS REQUIRED IN THE SPECIFICATIONS.
3. LOCATION AND HEIGHT OF PRECAST VAULT SUBJECT TO FIELD VERIFICATION BY THE CONTRACTOR BEFORE FABRICATION.
4. INSTALL LADDER WITH SAFETY POST IN ALL VAULTS, SEE SHT C-19.
5. PROVIDE SUFFICIENT CLEARANCE FOR PROPER OPERATION OF IN-VAULT APPURTENANCES.
6. NIPPLES, STREET ELBOWS AND CAP SHALL BE SIZED TO MATCH OUTLET SIZE.
7. PROVIDE PRECAST CONCRETE VAULT TOPS WITH NON-TRAFFIC RATED COVERS. COVERS SHALL BE TWO-PIECE LOCKABLE TORSION SPRING ASSISTED GALVANIZED STEEL FOR NON-TRAFFIC USE AS SUPPLIED BY THE VAULT MANUFACTURER AND INSTALLED IN ACCORDANCE WITH VAULT MANUFACTURER'S RECOMMENDATIONS. COVERS SHALL BE OFFSET IN THE PRECAST CONC VAULT TOP FOR VAULT LADDER INSTALLATION AND USE. COVER HINGES SHALL BE INSTALLED PERPENDICULAR TO PIPE.
8. PRECAST CONC VAULT SECTIONS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. JOINTS SHALL BE WATERTIGHT. VAULTS SHALL BE WATERPROOFED IN CONFORMANCE WITH SECTION 54 OF THE STATE SPECIFICATIONS.
9. INTERIOR VAULT SURFACES SHALL BE PAINTED WITH TWO COATS OF WHITE ACRYLIC LATEX PAINT APPLIED IN ACCORDANCE AND IN CONFORMANCE WITH SECTION 59 OF THE STATE SPECIFICATIONS.
10. IN PAVED AREAS THE MANHOLE COVER, FRAME AND CONC SUPPORT RING SHALL BE SET FLUSH WITH THE ADJACENT SURFACES. IN UNPAVED AREAS THE MANHOLE COVER, FRAME AND CONCRETE SUPPORT RING SHALL BE SET A MINIMUM OF 3 INCHES ABOVE GRADE.
11. ALL AIR RELEASE VALVES, COMBINATION AIR VALVES, AND BLOW OFF ASSEMBLIES SHALL BE PLACES AS CLOSE TO THE GRADE BREAK OR DESIGNATED STATION AS IS PRACTICAL.
12. NOT USED.
13. NOT USED.
14. THICKNESS OF TOP SECTION SHALL BE DETERMINED BY MANUFACTURER, 8 INCHES MAXIMUM.



SECTION A
CARV IN RAISED VAULT AND SERVICE TURNOUT
SCALE: NTS



SECTION B
CARV IN TRAFFIC RATED VAULT AND SERVICE TURNOUT
SCALE: NTS

REV	DESCRIPTION	DATE	APPR	REFERENCE INFORMATION AND NOTES
1	ADDENDUM #3	08/25	MT	
ADDENDA DRAWING 08-20-2025				

DATE 7/8/2025	ENGINEERING CERTIFICATION SEE ORIGINAL "AS-BID" DOCUMENTS FOR SIGNATURE AND DATE	SANTA CLARA VALLEY WATER DISTRICT
DESIGN M. TAN		
DRAWN T. TRAN		
CHECKED J. RENTERIA		
ENGINEER	DATE	

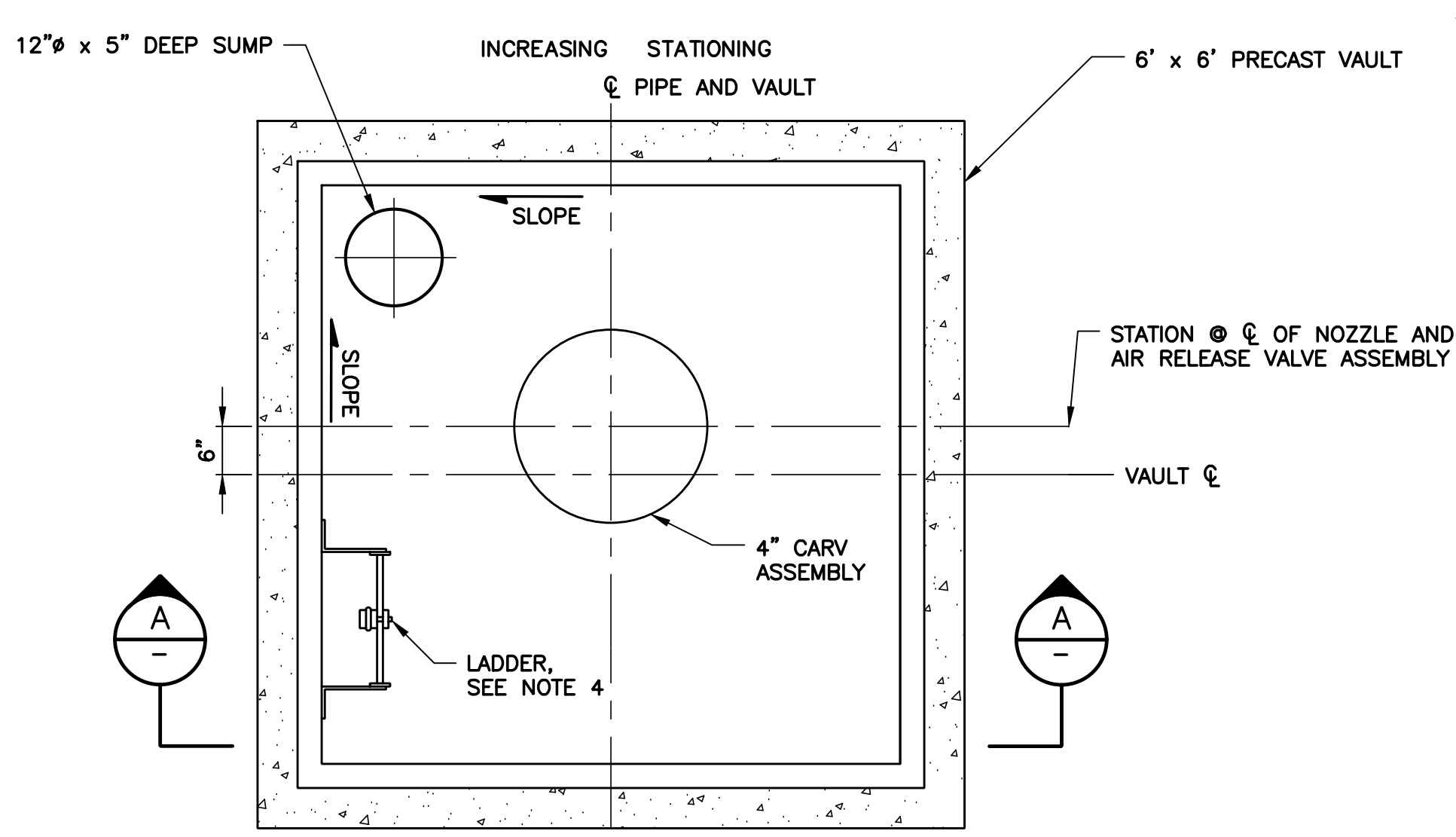


PROJECT NAME AND SHEET DESCRIPTION: SOUTH COUNTY RECYCLED WATER PIPELINE PHASE 1C CARV VAULT AND SERVICE TURNOUT DETAILS AND SECTIONS	SCALE AS SHOWN VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	PROJECT NUMBER 91094009 SHEET CODE: 1 C-08 SHEET NUMBER: 16
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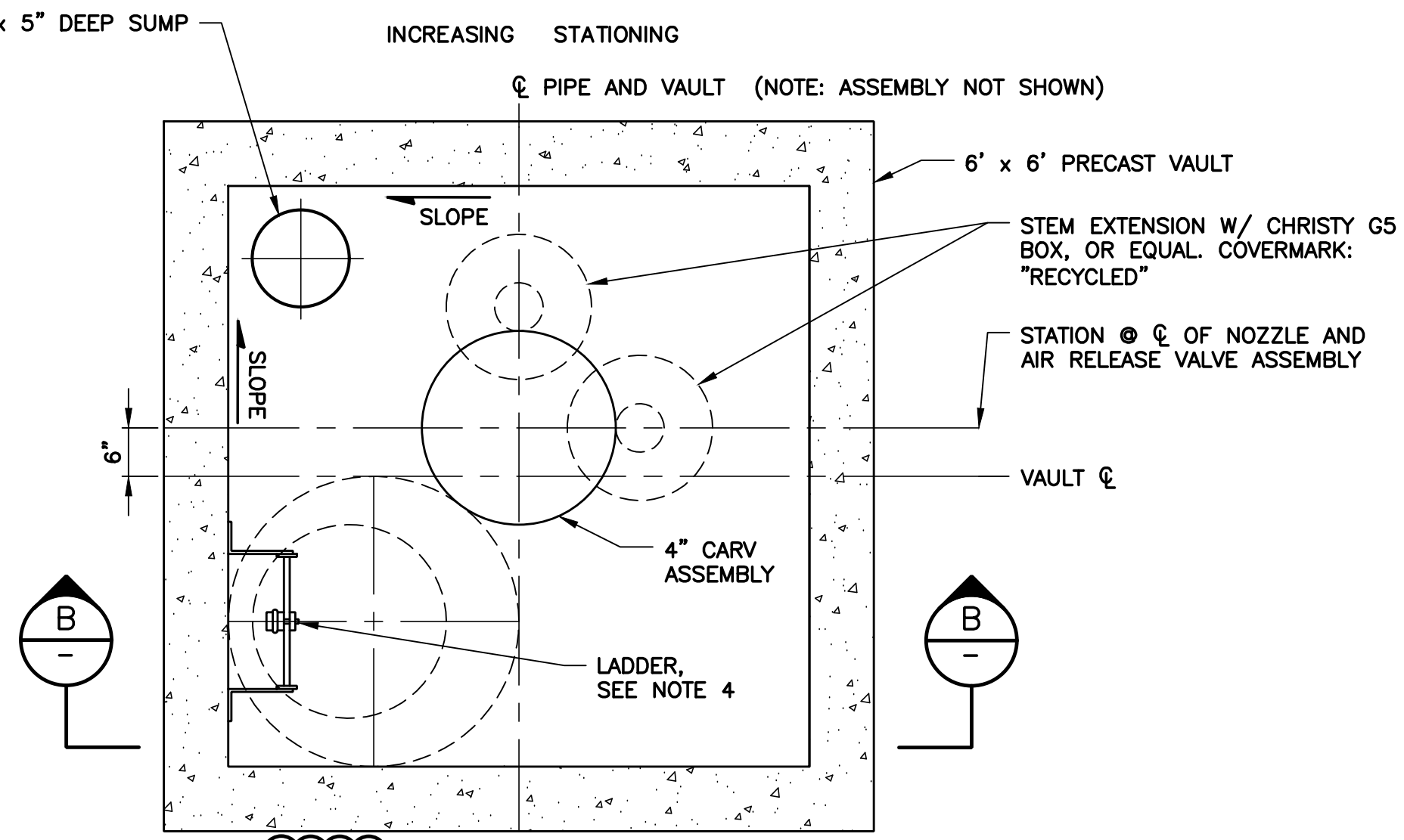
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2

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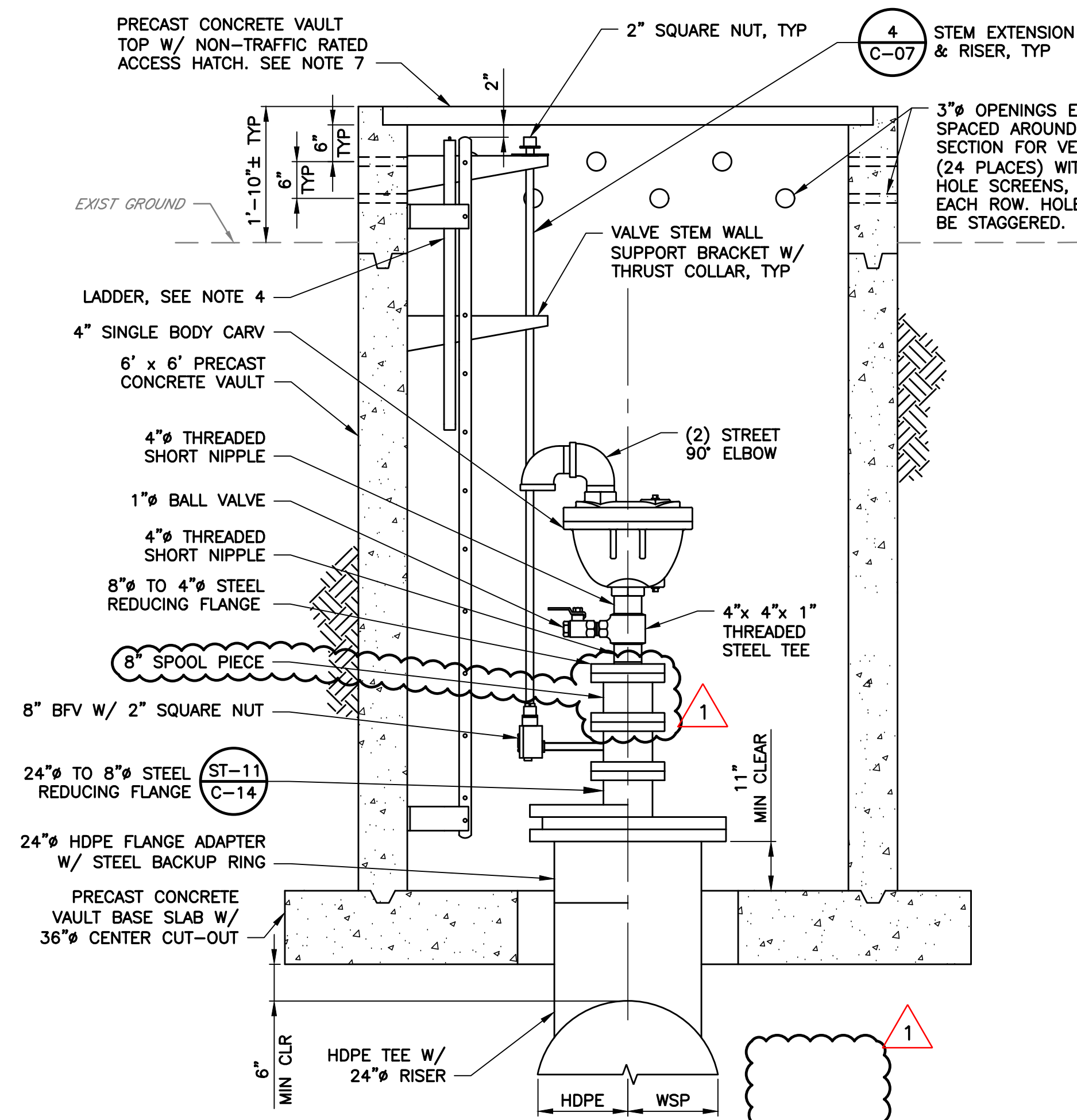


DETAIL 1 CARV IN RAISED VAULT
SCALE: NTS

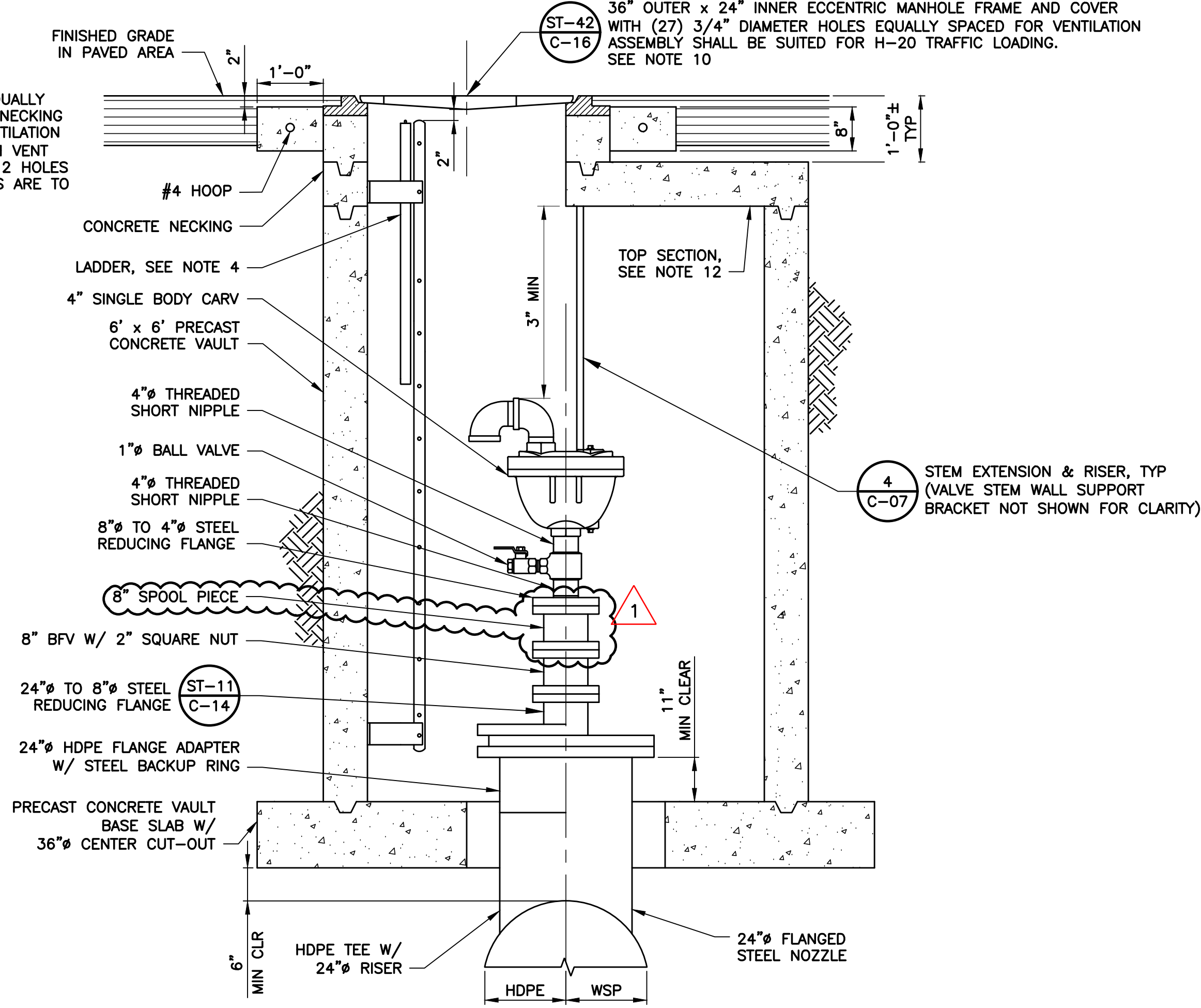


DETAIL 2 CARV IN TRAFFIC RAISED VAULT
SCALE: NTS

1



SECTION A CARV IN RAISED VAULT
SCALE: NTS



SECTION B CARV IN TRAFFIC RATED VAULT
SCALE: NTS

NOTES:

- FOR SIZE AND LOCATION OF NOZZLES, TURNOUTS, AND AIR RELEASE VALVES, REFER TO SHT C-20.
- NOZZLES, VALVES, AND FITTINGS SHALL BE COATED AS REQUIRED IN THE SPECIFICATIONS.
- LOCATION AND HEIGHT OF PRECAST VAULT SUBJECT TO FIELD VERIFICATION BY THE CONTRACTOR BEFORE FABRICATION.
- INSTALL LADDER WITH SAFETY POST IN ALL VAULTS, SEE SHT C-19.
- PROVIDE SUFFICIENT CLEARANCE FOR PROPER OPERATION OF IN-VAULT APPURTENANCES.
- NIPPLES, STREET ELBOWS AND CAP SHALL BE SIZED TO MATCH OUTLET SIZE.
- PROVIDE PRECAST CONCRETE VAULT TOPS WITH NON-TRAFFIC RATED COVERS. COVERS SHALL BE TWO-PIECE LOCKABLE TORSION SPRING ASSISTED GALVANIZED STEEL FOR NON-TRAFFIC USE AS SUPPLIED BY THE VAULT MANUFACTURER AND INSTALLED IN ACCORDANCE WITH VAULT MANUFACTURER'S RECOMMENDATIONS. COVERS SHALL BE OFFSET IN THE PRECAST CONC VAULT TOP FOR VAULT LADDER INSTALLATION AND USE. COVER HINGES SHALL BE INSTALLED PERPENDICULAR TO PIPE.
- PRECAST CONC VAULT SECTIONS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. JOINTS SHALL BE WATERTIGHT. VAULTS SHALL BE WATERPROOFED IN CONFORMANCE WITH SECTION 54 OF THE STATE SPECIFICATIONS.
- INTERIOR VAULT SURFACES SHALL BE PAINTED WITH TWO COATS OF WHITE ACRYLIC LATEX PAINT APPLIED IN ACCORDANCE AND IN CONFORMANCE WITH SECTION 59 OF THE STATE SPECIFICATIONS.
- IN PAVED AREAS THE MANHOLE COVER, FRAME AND CONC SUPPORT RING SHALL BE SET FLUSH WITH THE ADJACENT SURFACES. IN UNPAVED AREAS THE MANHOLE COVER, FRAME AND CONCRETE SUPPORT RING SHALL BE SET A MINIMUM OF 3 INCHES ABOVE GRADE.
- ALL AIR RELEASE VALVES, COMBINATION AIR VALVES, AND BLOW OFF ASSEMBLIES SHALL BE PLACES AS CLOSE TO THE GRADE BREAK OR DESIGNATED STATION AS IS PRACTICAL.
- THICKNESS OF TOP SECTION SHALL BE DETERMINED BY MANUFACTURER, 8 INCHES MAXIMUM.

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ADDENDA DRAWING 08-20-2025				

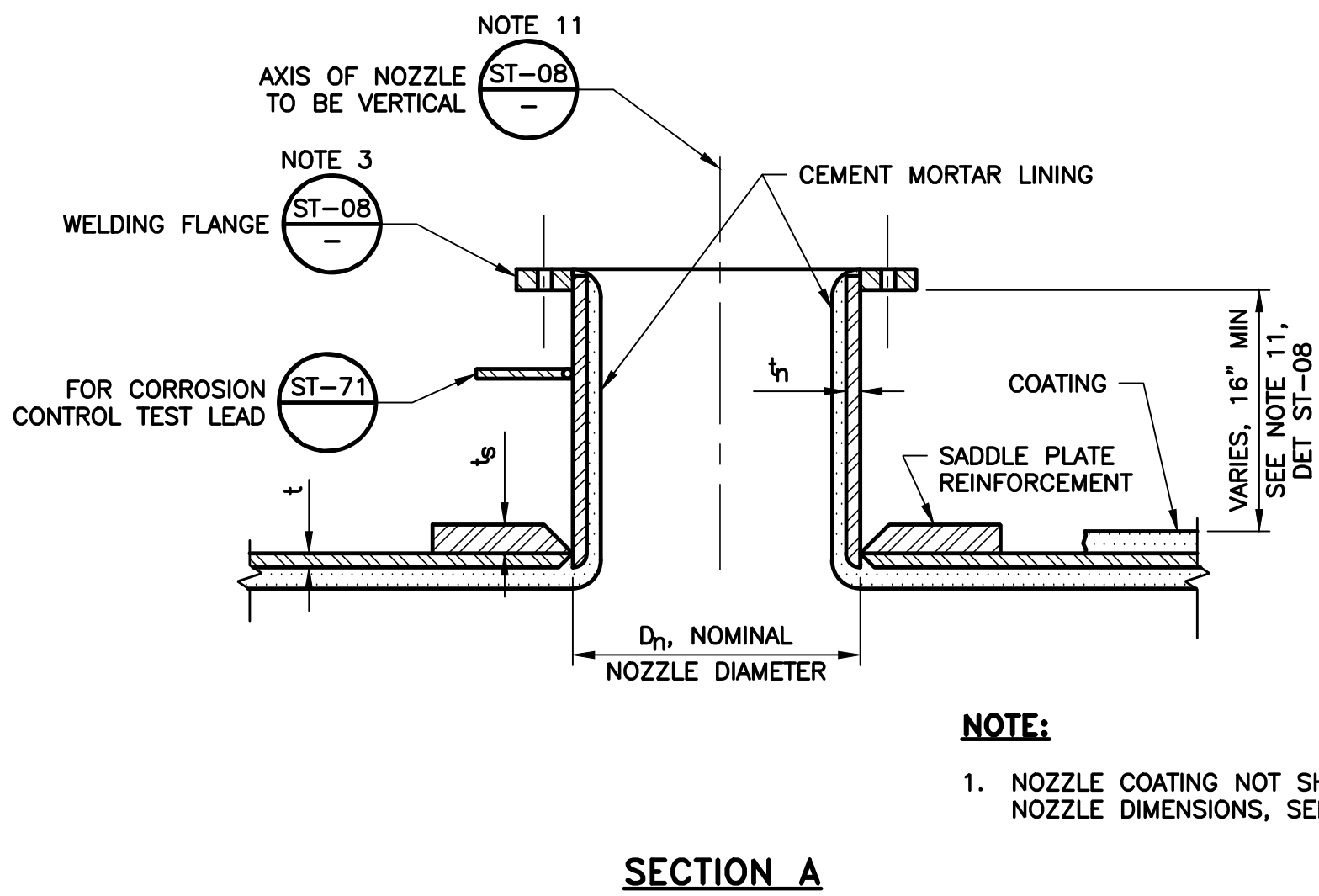
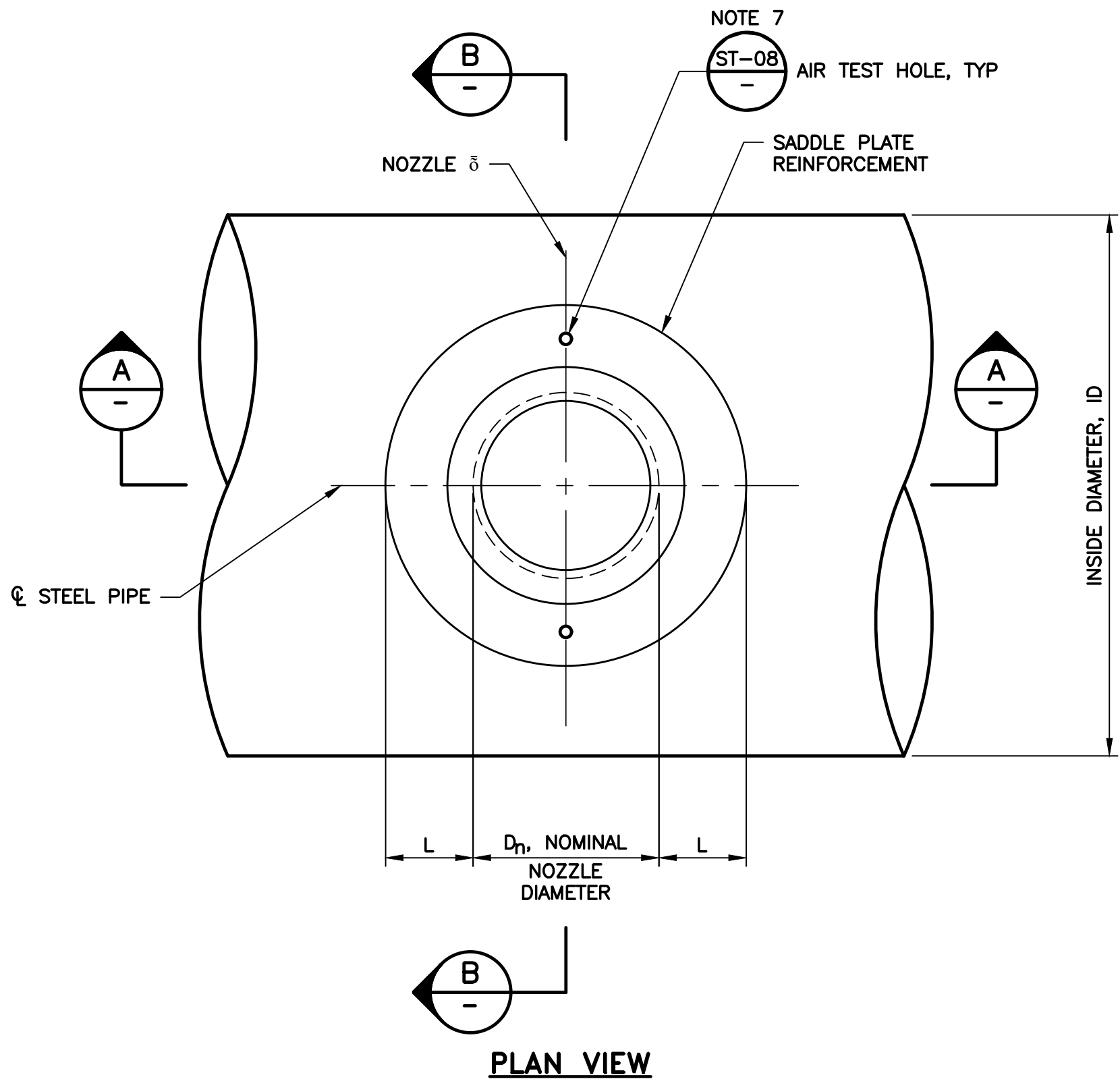
DATE 7/8/2025	ENGINEERING CERTIFICATION SEE ORIGINAL "AS-BID" DOCUMENTS FOR SIGNATURE AND DATE	SANTA CLARA VALLEY WATER DISTRICT
DESIGN M. TAN		
DRAWN T. TRAN		
CHECKED J. RENTERIA		
ENGINEER	DATE	



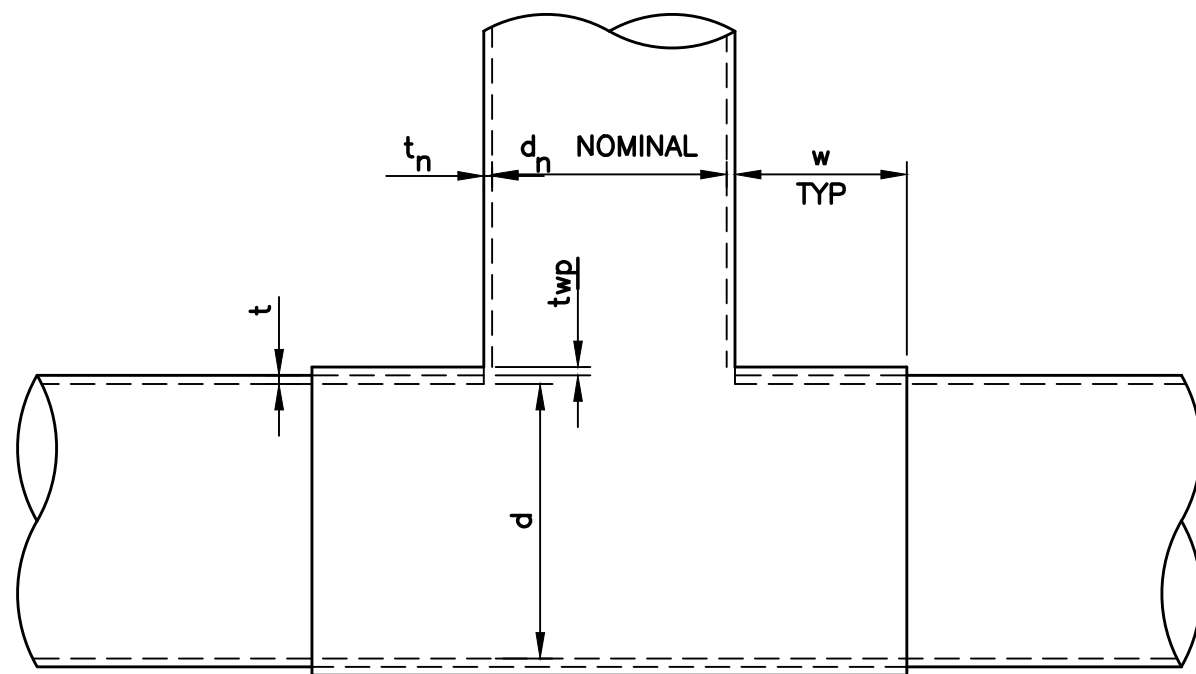
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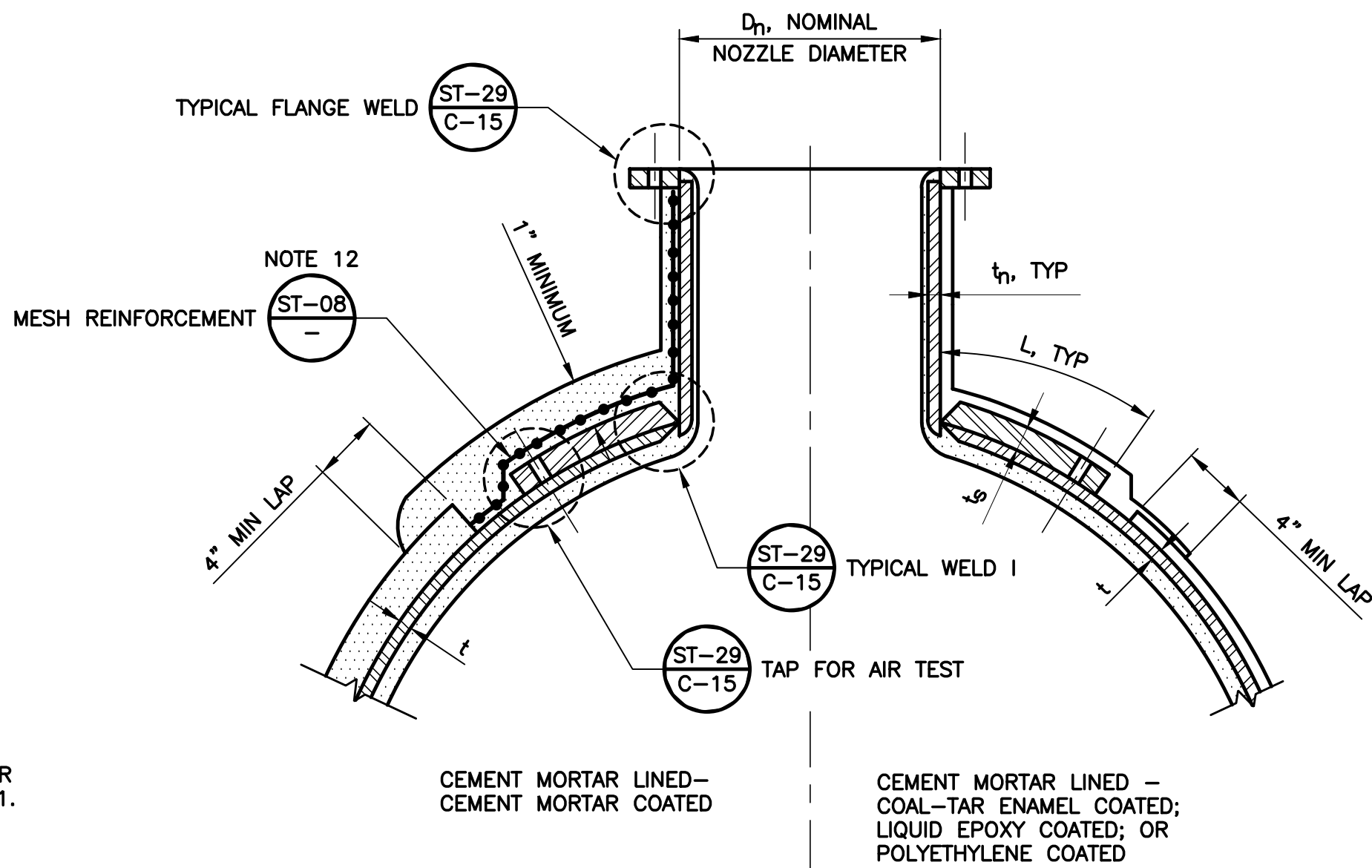
DOCUMENT NUMBER: WAE-C-9109-86775



ST-06
TYP
TYPICAL NOZZLE OUTLET
HORIZONTAL SECTION – STEEL PIPE
SCALE: NTS



DETAIL 1
-
NOZZLE WITH WRAPPED REINFORCEMENT
SCALE: NTS



ST-07
TYP
TYPICAL NOZZLE OUTLET
VERTICAL SECTION – STEEL PIPE
SCALE: NTS

NOTES:

- SEE SPECIFICATIONS FOR MATERIAL, INSTALLATION, COATING, AND LINING REQUIREMENTS.
- ALL NOZZLES AND PLATES ARE TO BE MANUFACTURED FROM STEEL, CONFORMING TO THE REQUIREMENTS OF STEEL PIPE (ASTM 283 GRADE C OR EQUAL). FOR NOZZLES 24" OR LESS NOMINAL DIAMETER, ASTM A53 GRADE B STEEL PIPE MAY BE USED.
- WELDING FLANGES SHALL BE SLIP-ON WELDING FLANGES, RING TYPE, FLAT-FACE, SEE SPECIFICATIONS. BLIND FLANGES SHALL BE STEEL, SEE SPECIFICATIONS.
- FLANGE FACES SHALL BE SHOP COATED WITH A REMOVABLE RUST-PREVENTING COMPOUND TO PROVIDE PROTECTION DURING TRANSPORT AND PRIOR TO INSTALLATION.
- FLANGE GASKETS SHALL BE 1/8" THICK, FULL-FACE CLOTH INSERTED RUBBER GASKETS. GASKETS FOR POTABLE WATER SYSTEMS SHALL BE NSF APPROVED.
- FLANGE BOLTS SHALL STRADDLE CENTERLINE OF PIPE OR CENTERLINE OF FLANGE UNLESS REQUIRED OTHERWISE ON DRAWINGS.
- DRILL AND TAP TEST HOLES FOR AIR TEST BEFORE WELDING MEMBERS AS SHOWN ON DETAILS. PLUG WELD AFTER AIR TEST IS COMPLETED. SEE DET ST-01, ST-02 AND ST-03 ON SHT C-11.
- ON BLIND FLANGES FOR BURIED NOZZLES, DRILL AND TAP 1" IPS HOLE AND INSTALL STEEL PLUG.
- SHOP COAT ALL METAL SURFACES EXCEPT FLANGE FACES AND SURFACES RECEIVING FIELD APPLIED COATINGS.
- COAT ALL EXPOSED METAL SURFACES WITH THE SAME COATING AS WAS USED ON THE MAIN PIPE, EXCEPT AS NOTED OTHERWISE.
- FOR SLOPING PIPE – INSTALL NOZZLE VERTICALLY. MAINTAIN A MINIMUM CLEARANCE TO THE NOZZLE FLANGE AS SHOWN. SEE DET ST-37 THRU ST-42 FOR REQUIRED CLEARANCE IN PRECAST VAULTS.
- MESH REINFORCING SHALL BE SELF-FURRING GALVANIZED WIRE MESH 2"x 4"x 13 GAUGE. SECURE WITH CLIPS AT 24" CENTERS AND WELD TO SADDLE, PIPE CYLINDER, OR NOZZLE.

ST-08
TYP
TYPICAL NOZZLE
STEEL PIPE NOTES
SCALE: NTS

TABLE 1									
PIPE DIAMETER ID (IN)	PIPE CYLINDER* t (IN)	● D _n	NOZZLE THICKNESS t _n (IN)	INTERNAL DESIGN PRESSURE, FEET					L(IN)
				360	X	X	X	X	
SADDLE PLATE THICKNESS (ts)									
36	0.25	24"	0.375	0.1875	X	X	X	X	12
30	0.1875	12"	0.375	0.1875	X	X	X	X	6

TABLE 2 – NOZZLE WITH WRAPPER REINFORCEMENT					
MAIN d (INCHES)	NOZZLE dn (INCHES)	NOZZLE THICKNESS tn (INCHES)	MAIN CYLINDER THICKNESS t (INCHES)	WRAPPER THICKNESS twp (INCHES)	WRAPPER WIDTH w (INCHES)
36	24	0.375	0.25	0.1875	12
30	24	0.375	0.1875	0.1875	12

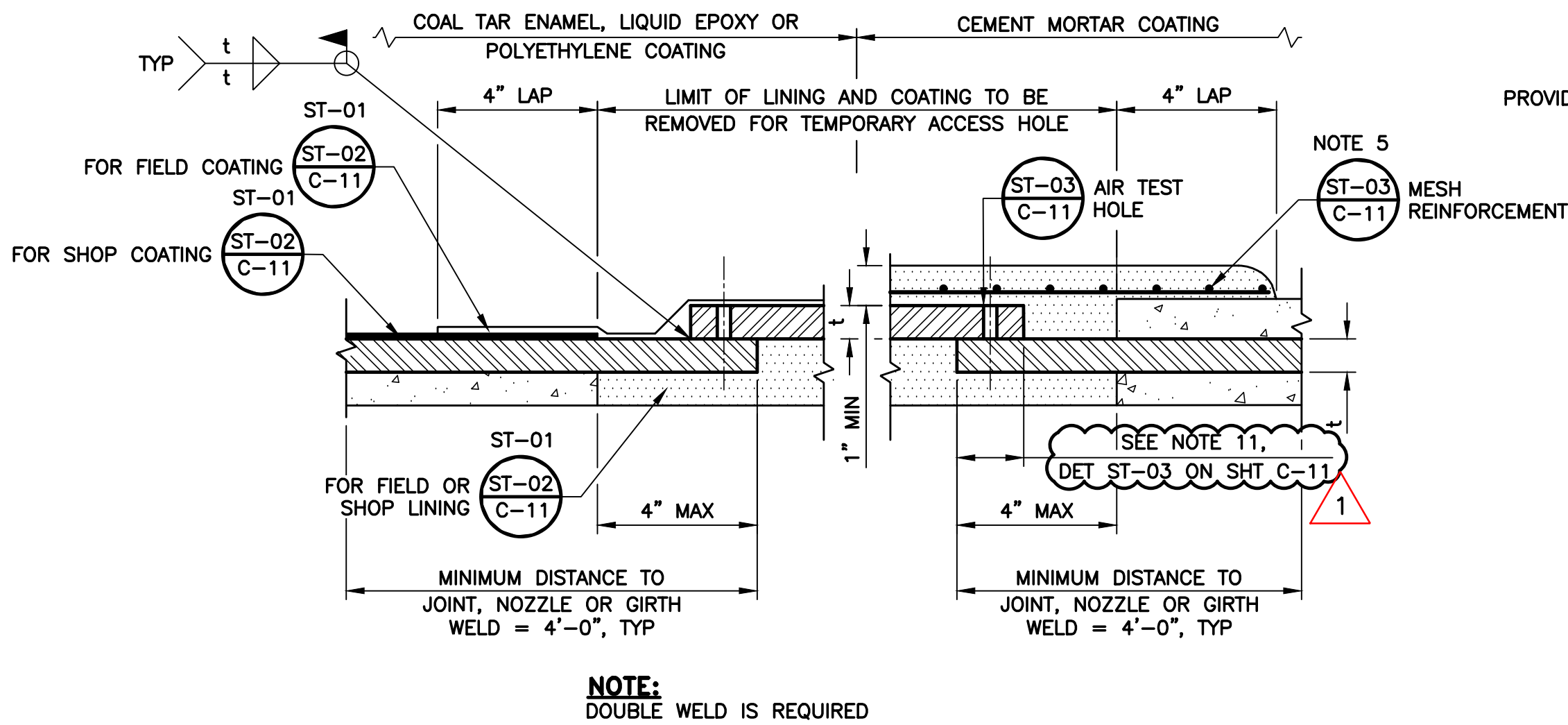
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ADDENDA DRAWING 08-20-2025				

DATE 7/8/2025	ENGINEERING CERTIFICATION	SANTA CLARA VALLEY WATER DISTRICT
DESIGN M. TAN	SEE ORIGINAL "AS-BID" DOCUMENTS FOR SIGNATURE AND DATE	
DRAWN T. TRAN		
CHECKED J. RENTERIA		
ENGINEER		DATE

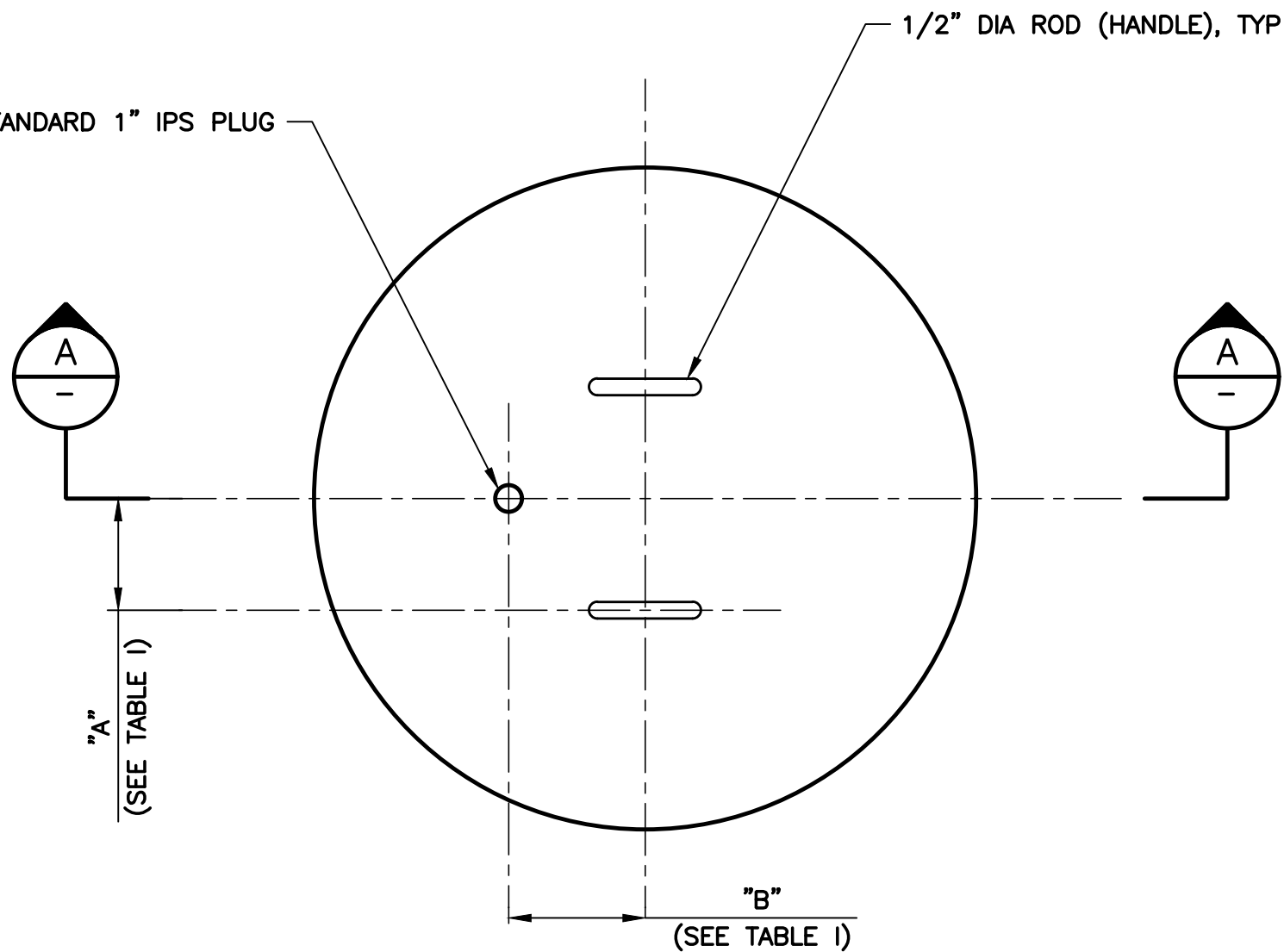
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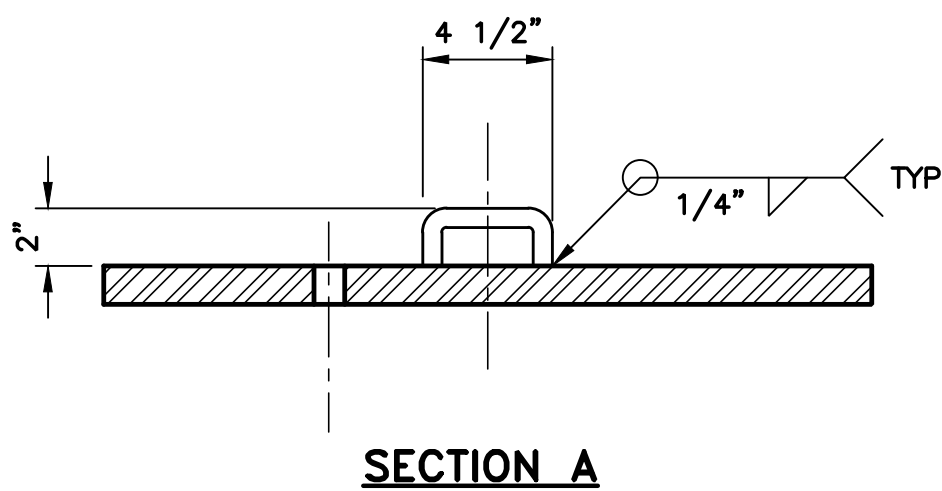
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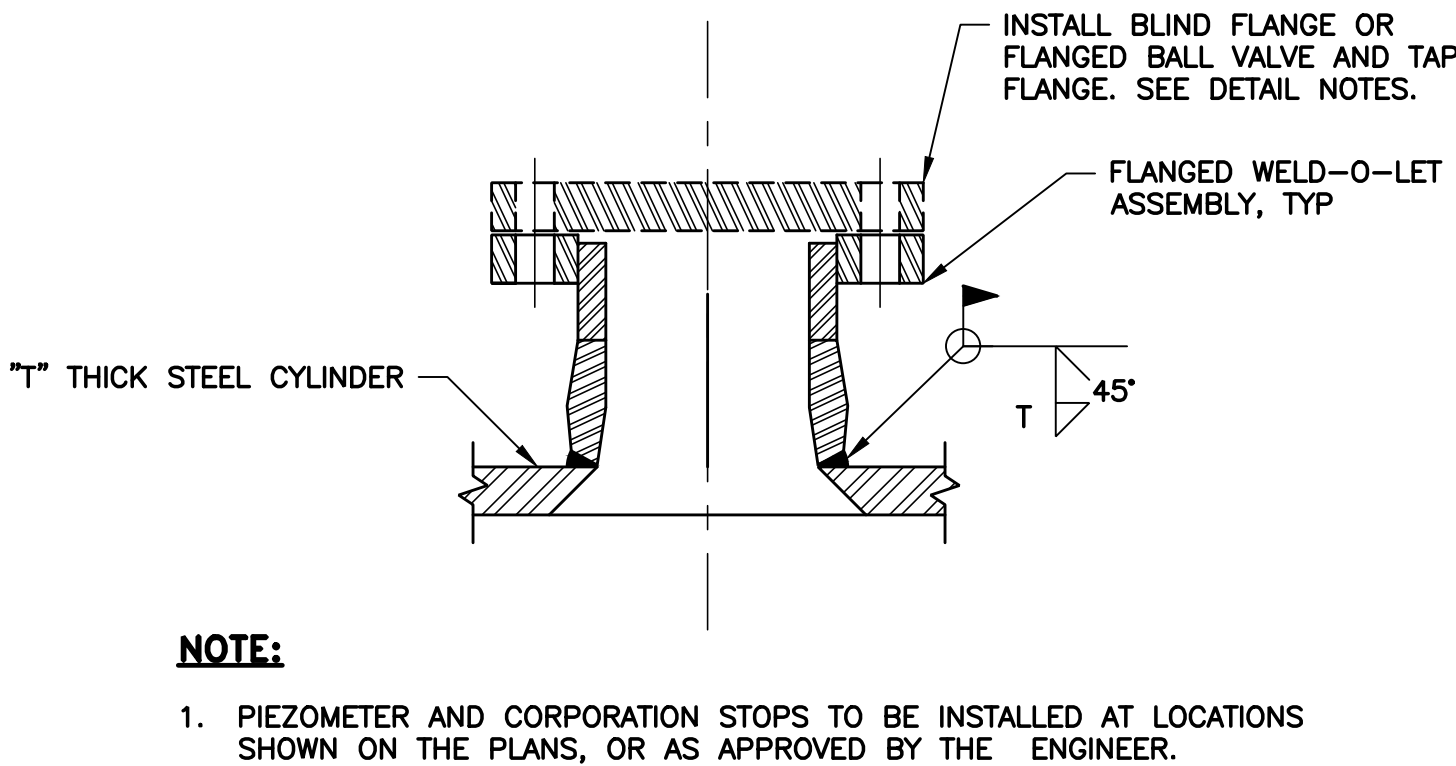
DETAIL 1 ACCESS HOLE ON STEEL PIPE
SCALE: NTS



PLAN VIEW



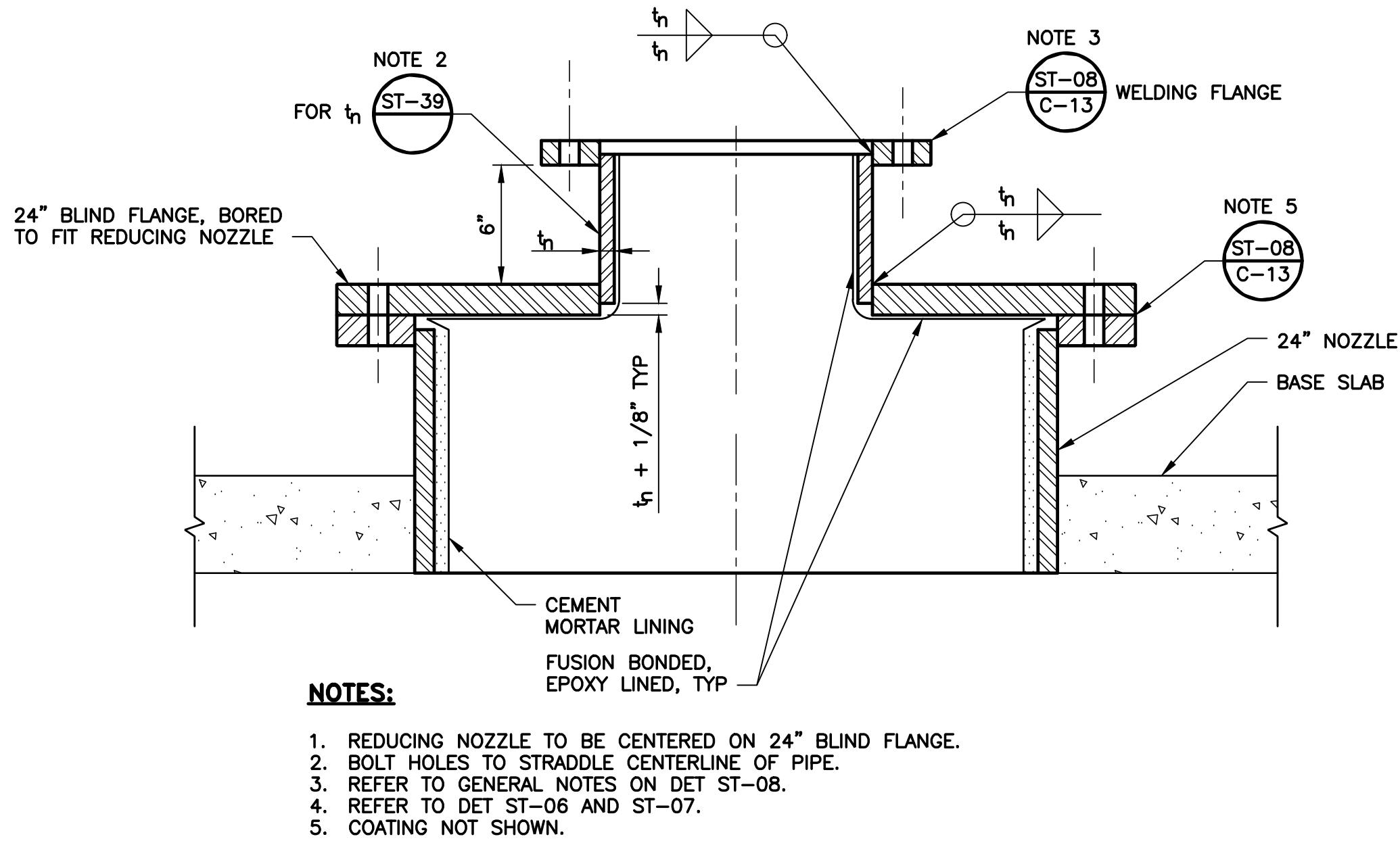
SECTION A



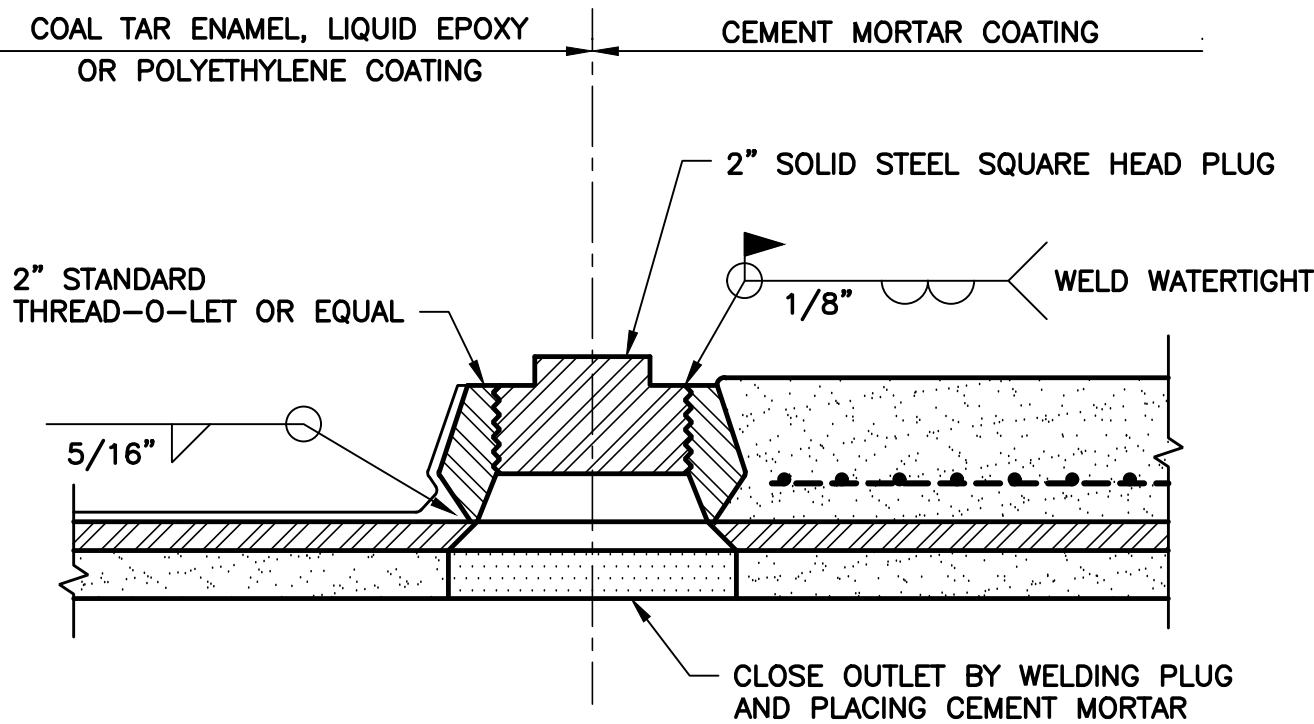
DETAIL 2 FLANGED WELD-O-LET ASSEMBLY
SCALE: NTS

TABLE I		
NOMINAL NOZZLE DIA (INCHES)	"A" INCHES	"B" INCHES
6-10	2	0
12-22	5	3
24 & OVER	7	3

ST-10 BURIED NOZZLE BLIND FLANGE
SCALE: NTS



REDUCING NOZZLE



2" OUTLET ON STEEL PIPE

ST-11 NOZZLE AND 2" OUTLET STEEL PIPE
SCALE: NTS

DATE 7/8/2025	ENGINEERING CERTIFICATION SEE ORIGINAL "AS-BID" DOCUMENTS FOR SIGNATURE AND DATE	SANTA CLARA VALLEY WATER DISTRICT
DESIGN M. TAN	CIVIL ENGINEER	
DRAWN T. TRAN		
CHECKED J. RENTERIA		
DATE		

PROJECT NAME AND SHEET DESCRIPTION: SOUTH COUNTY RECYCLED WATER PIPELINE PHASE 1C STANDARD DETAILS - TEMPORARY OUTLET DETAILS - STEEL PIPE	SCALE AS SHOWN VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	PROJECT NUMBER 91094009 SHEET CODE: C-14 SHEET NUMBER: 22
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DOCUMENT NUMBER: WAE-CP-9109-86785

ABBREVIATIONS

A	AMPERES	
AC	ALTERNATING CURRENT	
A.C.	ASPHALT CONCRETE	
AJB	ANODE JUNCTION BOX	
AMP	AMPERES	
AN	ANODE	
ATS	ANODE TEST STATION	
AWG	AMERICAN WIRE GAUGE	
BIF	BIFURCATION	
CLSM	CONTROLLED LOW-STRENGTH MATERIAL	
CP	CATHODIC PROTECTION	
CTS	CORROSION TEST STATION	
DC	DIRECT CURRENT	
DR	DRAIN CABLE	
D/S	DOWN-STREAM	
E	EXISTING	
EG	EXISTING GRADE	
EP	EDGE OF PAVEMENT	
FT	FEET	
GRS	GALVANIZED RIGID STEEL	
HDPE	HIGH DENSITY POLYETHYLENE	
HMWPE	HIGH MOLECULAR WEIGHT POLYETHYLENE	
HSCI	HIGH SILICON CAST IRON	
ICCP	IMPRESSED CURRENT CATHODIC PROTECTION	
I.D.	INSIDE DIAMETER	
LB	POUNDS	
MAX	MAXIMUM	
MH	MANHOLE	
MIN	MINIMUM	
N	NEW	
NR	NEAR	
O.D.	OUTER DIAMETER	
O.H.	OVER-HEAD	
PL	PIPELINE	
PMTS	POST MOUNTED TEST STATION	
HDPE	POLYVINYL CHLORIDE	
REQ'D	REQUIRED	
REV	REVISION	
RW	RECLAIMED WATER	
SCH	SCHEDULE	
STL	STEEL	
TBD	TO BE DETERMINED	
THHN	THERMOPLASTIC HIGH HEAT RESISTANT NYLON COATED	
THWN	THERMOPLASTIC HIGH WATER RESISTANT NYLON-COATED	
TYP	TYPICAL	
UG	UNDERGROUND	
U/S	UP-STREAM	
V	VOLTS	
W/	WITH	
XHHW	CROSS-LINKED POLYETHYLENE, HIGH HEAT-RESISTANT, WATER RESISTANT	
&	AND	
ø	DIAMETER	
'	FEET	
"	INCH	

GENERAL CATHODIC PROTECTION NOTES:


- ALL STRUCTURES SHALL BE INSTALLED WITH A COATING SYSTEMS AS FOLLOWS:
 - STEEL PIPELINES SHALL BE INSTALLED WITH A MORTAR COATING.
 - ALL DIRECT BURIED STEEL OR DUCTILE IRON APPURTENANCES, VALVES, AND FITTINGS CONNECTED TO HDPE OR MORTAR COATED STEEL PIPE SHALL BE MORTAR COATED, MORTAR ENCASED, OR BACKFILLED WITH CLSM/CDE.
 - NOT USED.
 - BOND ALL NON-WELDED, MECHANICAL CONNECTIONS TO EX WSP USING TWO #4 AWG/HMWPE BOND CABLES PER DETAIL 5, SHT CP-02.
- PROVIDE ELECTRICAL ISOLATION ON ABOVE GRADE FLANGE JOINTS AS INDICATED ON THE CIVIL "PLAN AND PROFILE", SHTS C-01 THRU C-04, AND CATHODIC PROTECTION DET 1, SHT CP-04.
- THE CATHODIC PROTECTION SYSTEM UPGRADE FOR THIS PROJECT SHALL CONSIST OF TWO (2) IMPRESSED CURRENT CATHODIC PROTECTION SYSTEMS FOR MORTAR COATED STEEL PIPE, AND ONE (1) IMPRESSED CURRENT SYSTEM FOR THE EPOXY COATED CASING AT UVAS CREEK CROSSING. METALLIC VALVES, FITTINGS, AND APPURTENANCES ON THE HIGH DENSITY POLYETHYLENE (HDPE) PIPELINE SECTIONS SHALL BE PROVIDED WITH HIGH-POTENTIAL MAGNESIUM ANODES. IMPRESSED CURRENT SYSTEMS SHALL CONSIST OF A DC RECTIFIER UNIT, ANODE JUNCTION BOX, AND DEEP ANODE BED WITH CAST IRON ANODES.
- GALVANIC CATHODIC PROTECTION SHALL BE PROVIDED FOR ALL CASINGS AS SHOWN, EXPECT IMPRESSED CURRENT CATHODIC PROTECTION SHALL BE PROVIDED FOR THE UVAS CREEK CASING.
- WATER WILL BE PROVIDED BY VALLEY WATER AT THE VAULTS OR PUMP STATIONS FOR CONTRACTOR'S USE DURING DEEP ANODE BED INSTALLATIONS.
- CALL UNDERGROUND SERVICE ALERT BEFORE DIGGING, TRENCHING OR DRILLING AT ANY LOCATION.
- EACH NON-INSULATING MECHANICAL JOINT ON ANY SUCH ASSEMBLY SHALL BE BONDED TOGETHER PER DET 5, SHT CP-02.
- NOT USED.
- FOLLOWING CONSTRUCTION, THE CATHODIC PROTECTION SYSTEM SHALL BE ENERGIZED AND COMMISSIONED UNDER THE SUPERVISION OF THE DISTRICT.

REV	DESCRIPTION	DATE	APPR
1	ADDENDUM #3	08/25	MT
ADDENDA DRAWING 08-20-2025			

REFERENCE INFORMATION AND NOTES			
DATE	7/8/2025		
DESIGN	M. TAN		
DRAWN	T. TRAN		
CHECKED	J. RENTERIA		

ENGINEERING CERTIFICATION	
SEE ORIGINAL "AS-BID" DOCUMENTS FOR SIGNATURE AND DATE	
ENGINEER	DATE

SANTA CLARA VALLEY WATER DISTRICT



PROJECT NAME AND SHEET DESCRIPTION:

SOUTH COUNTY RECYCLED WATER PIPELINE PHASE 1C

ABBREVIATIONS & GENERAL CATHODIC PROTECTION NOTES

SCALE AS SHOWN

VERIFY SCALES

0 1"

BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

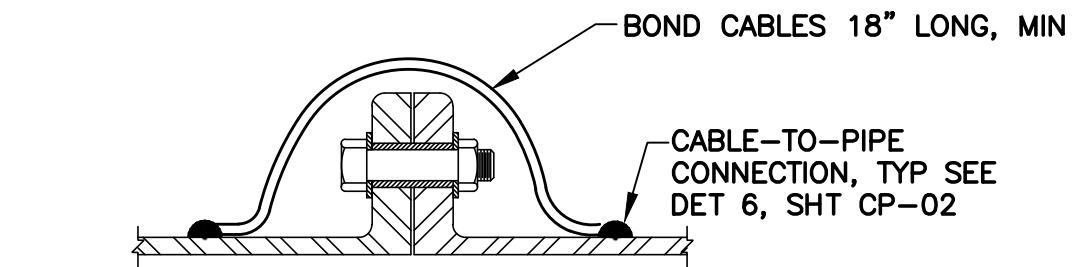
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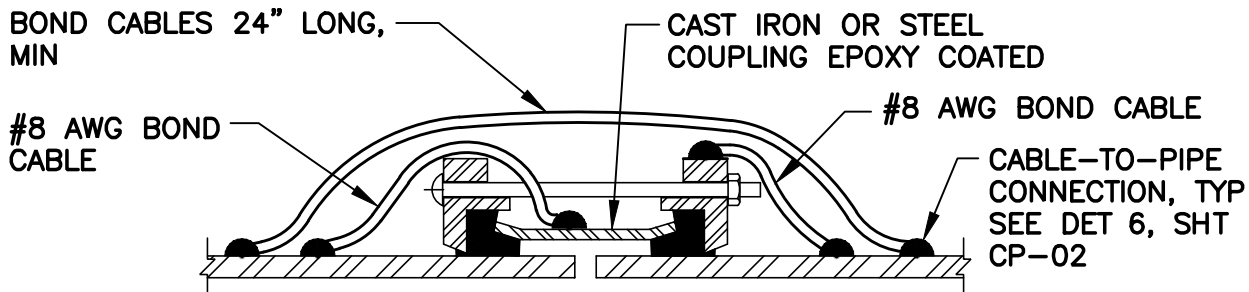
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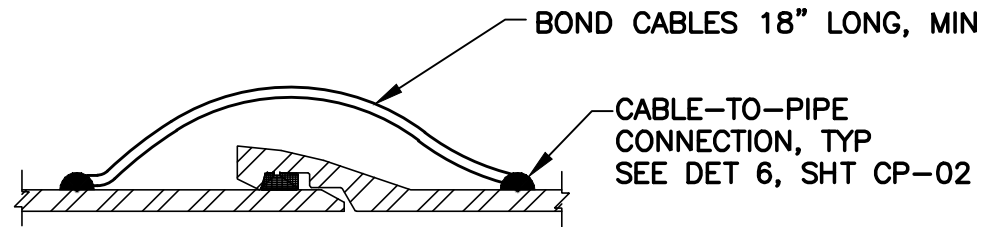
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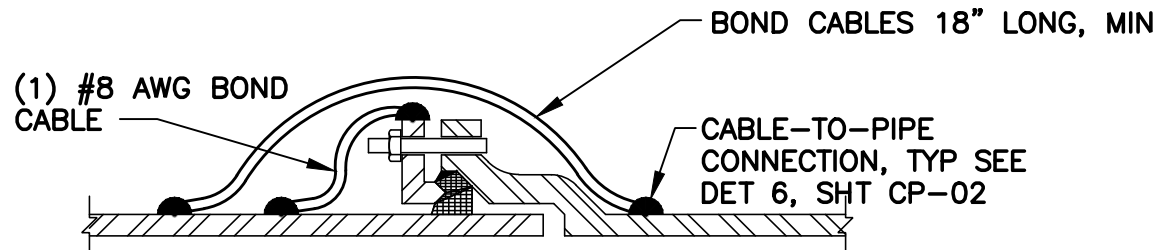
FLANGED JOINT



FLEXIBLE COUPLING



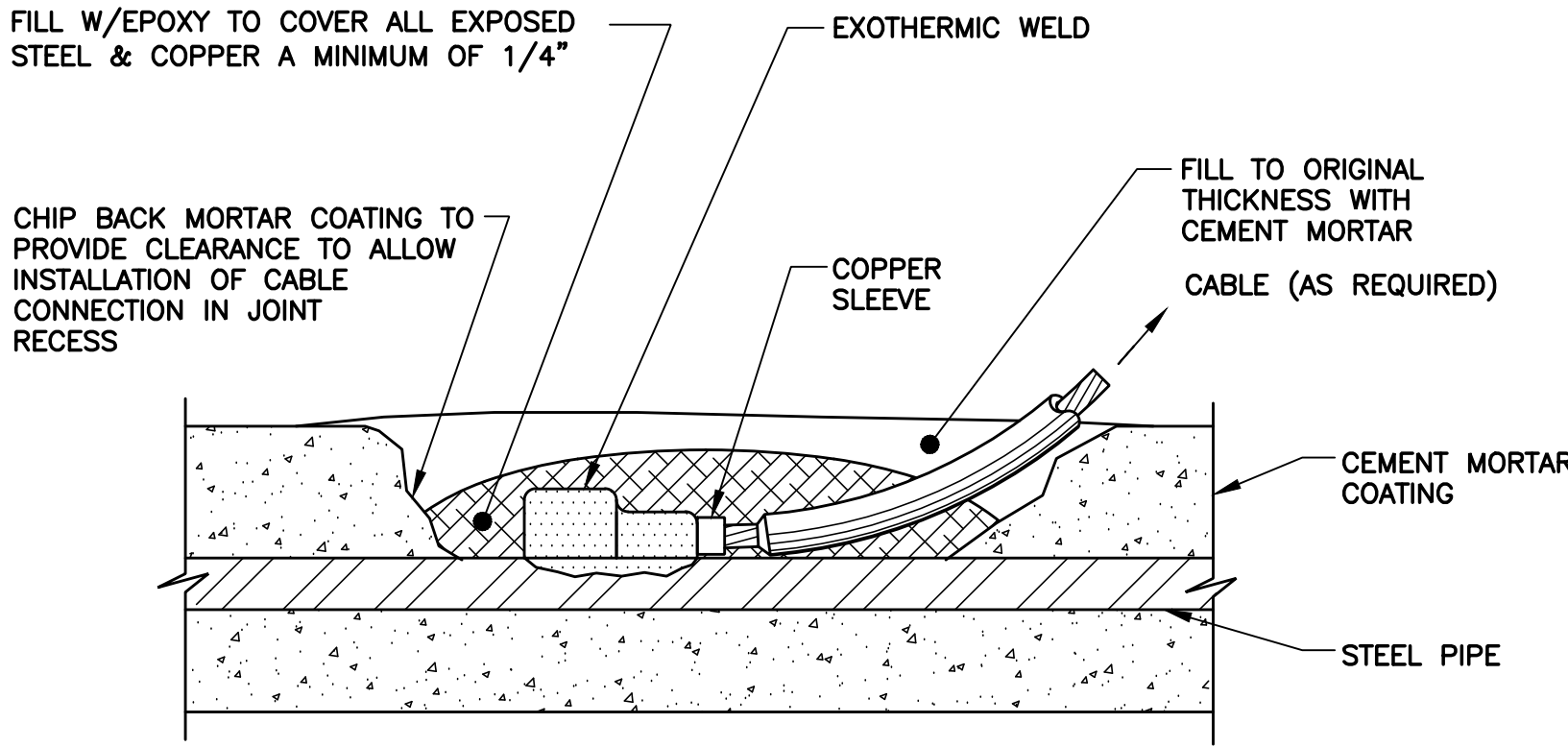
PUSH-ON JOINT



MECHANICAL JOINT

NOTE:
USE TWO #4 AWG/HMWPE BOND CABLES FOR EACH NON-WELDED, NON-INSULATED PIPE JOINT, FOR ALL BOND WIRES SHOWN ABOVE EXCEPT FOR THE WIRE SIZES INDICATED ABOVE.

DETAIL 5 MORTAR COATED STEEL PIPE OPTION
CP-02 BOND CABLE INSTALLATION
SCALE: NTS



MORTAR COATED STEEL PIPE

NOTES:
1. PROVIDE A MINIMUM SEPARATION OF 12" BETWEEN TWO ADJACENT CABLE-TO-PIPE CONNECTIONS.
2. FOR EPOXY COATED PIPE, INSTALLED IN VAULTS OR SIMILAR ATMOSPHERIC ENVIRONMENTS, PROVIDE EXOTHERMIC WELD, AND COAT WITH BITUMASTIC 300-M OR EQUAL TO COVER ALL EXPOSED METAL.

DETAIL 6 MORTAR COATED STEEL PIPE OPTION
CP-02 CABLE-TO-PIPE CONNECTION
SCALE: NTS

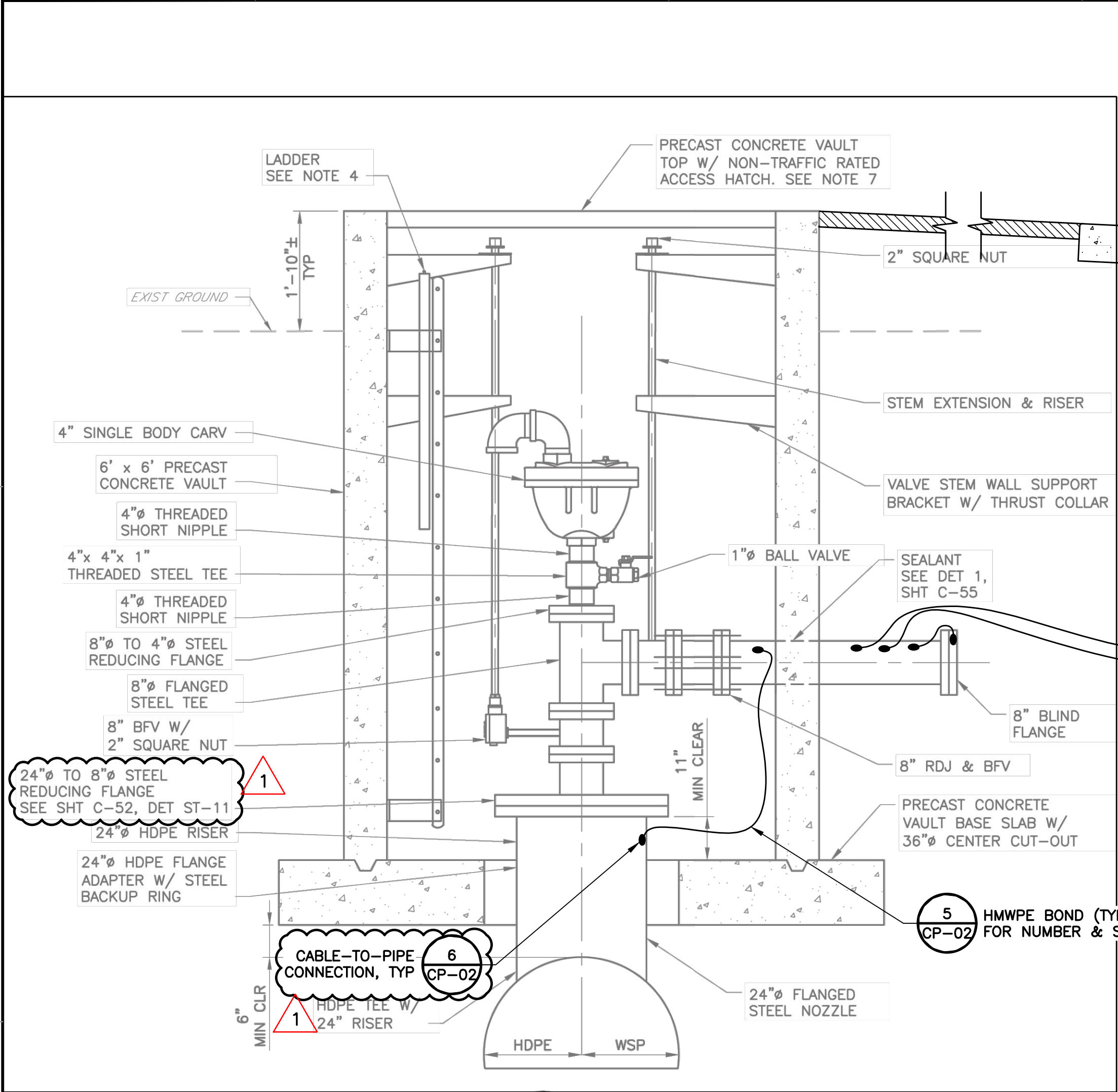
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1	ADDENDUM #3	08/25	MT		7/8/2025	<div>SEE ORIGINAL "AS-BID" DOCUMENTS FOR SIGNATURE AND DATE</div>		SOUTH COUNTY RECYCLED WATER PIPELINE PHASE 1C	AS SHOWN	91094009
	<div>ADDENDA DRAWING 08-20-2025</div>							<div>CATHODIC PROTECTION DETAILS I</div>	<div>VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY</div>	<div>SHEET CODE: 1 CP-02 SHEET NUMBER: 32</div>

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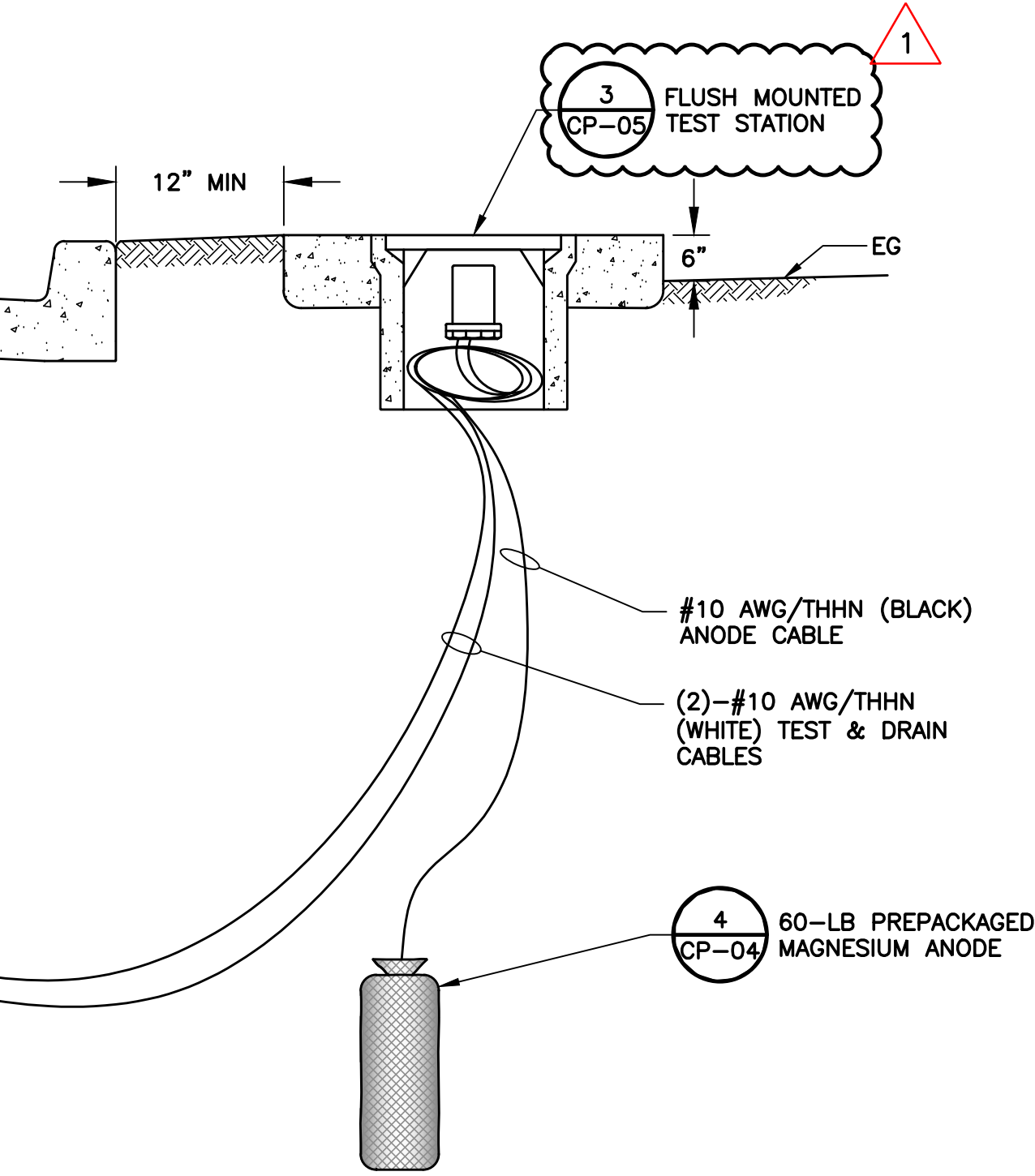
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NOTES:

1. ALL BURIED, NON-WELDED, NON-INSULATING DUCTILE IRON OR STEEL JOINTS SHALL BE BONDED WITH HMWPE INSULATED COPPER CABLES FOR ELECTRICAL CONTINUITY OF THE METALLIC PIPE AND FITTINGS PER DET 5, SHT CP-02. NO BOND CABLES ARE REQUIRED ACROSS WELDED JOINTS.
2. CARVS ON HDPE PIPELINE SECTIONS, ANODES AND TEST STATIONS SHALL BE INSTALLED AS SHOWN IN THIS DETAIL. CARVS INSTALLED ON WELDED STEEL SECTIONS OF THE PIPELINE, UNDER IMPRESSED CURRENT CATHODIC PROTECTION, SHALL HAVE ONLY BOND CABLES INSTALLED, AND ANODES AND TEST STATIONS SHALL BE OMITTED.
3. TEST STATIONS SHALL BE INSTALLED OUT OF THE HIGH TRAFFIC AREAS BEHIND THE CURB AS INDICATED IN DETAIL 1/CP-05.

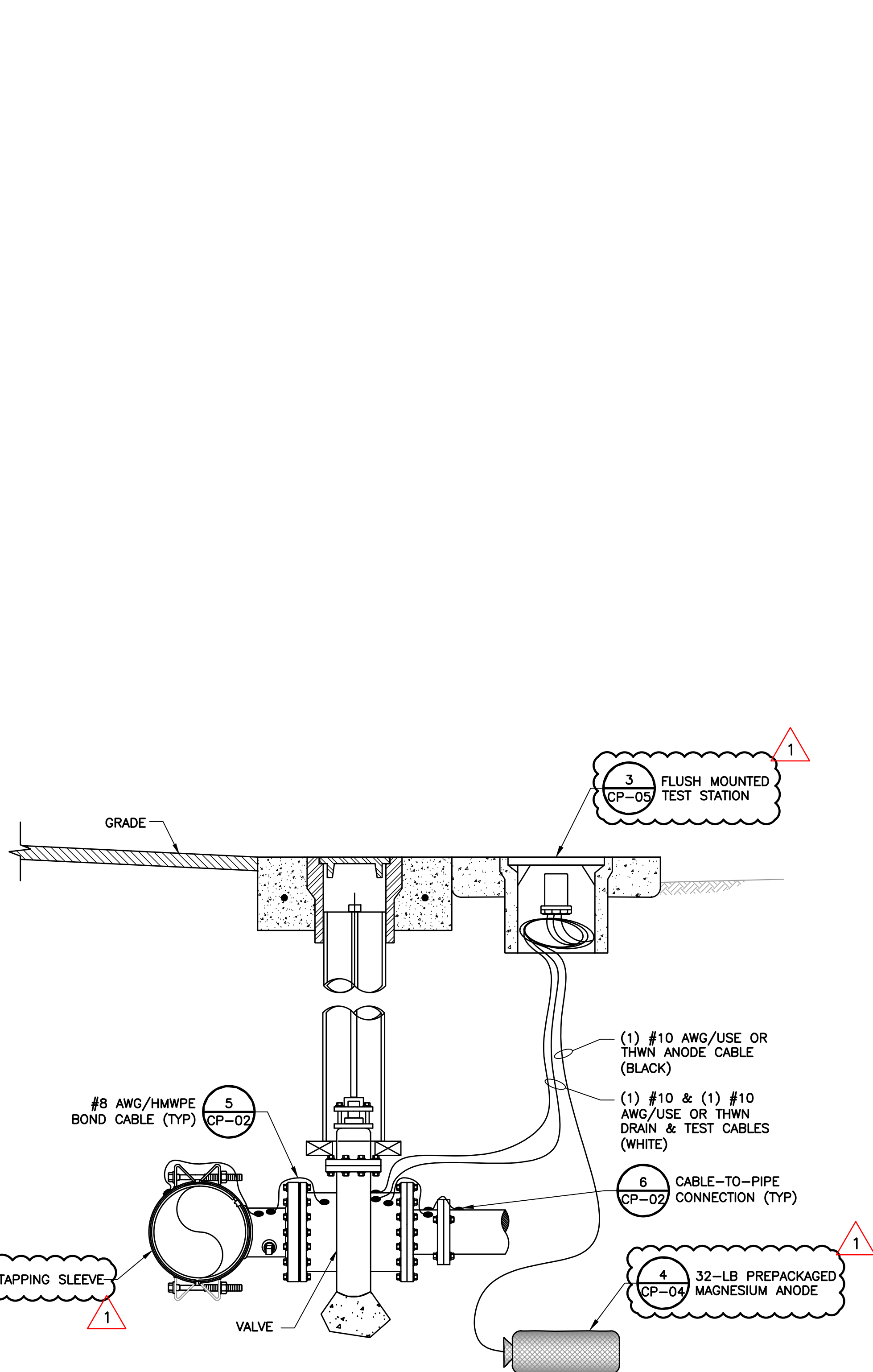
DETAIL 1 COMBINATION AIR RELEASE VALVE - ANODE & TEST STATION INSTALLATION
SCALE: NTS



NOTES:

1. COMPLETELY ENCASE IN MORTAR, OR BACKFILL WITH CLSM, ALL DIRECT BURIED METALLIC STRUCTURES, INCLUDING FITTINGS, FLANGES, FASTENERS, AND ETC.
2. TEST STATIONS SHALL BE INSTALLED OUT OF THE HIGH TRAFFIC AREAS BEHIND THE CURB AS INDICATED IN DETAIL 1/CP-05.

DETAIL 3 IN-LINE VALVE - ANODE & TEST STATION INSTALLATION
SCALE: NTS



NOTES:

1. COMPLETELY ENCASE IN MORTAR, OR BACKFILL WITH CLSM, ALL DIRECT BURIED METALLIC STRUCTURES, INCLUDING FITTINGS, FLANGES, FASTENERS, AND ETC.
2. TEST STATIONS SHALL BE INSTALLED OUT OF THE HIGH TRAFFIC AREAS BEHIND THE CURB AS INDICATED IN DETAIL 1/CP-05.

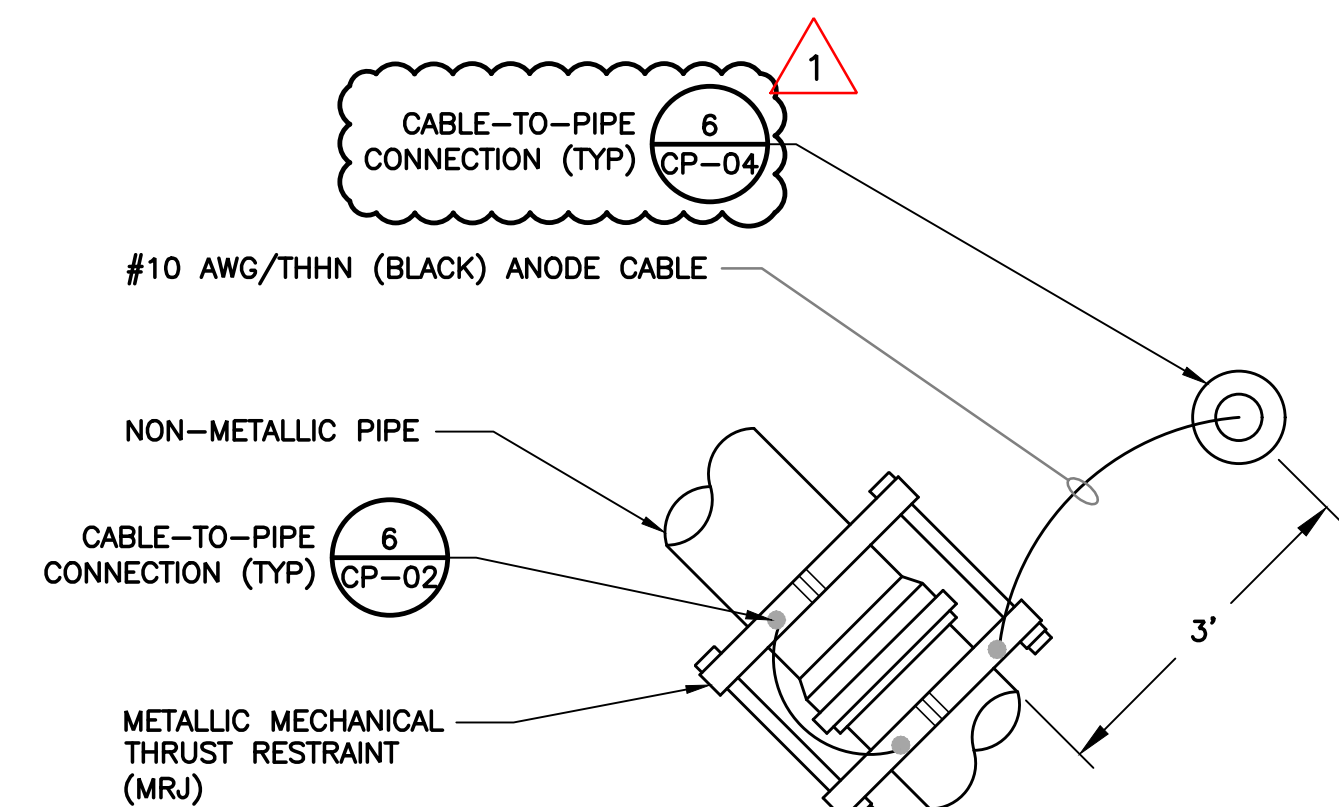
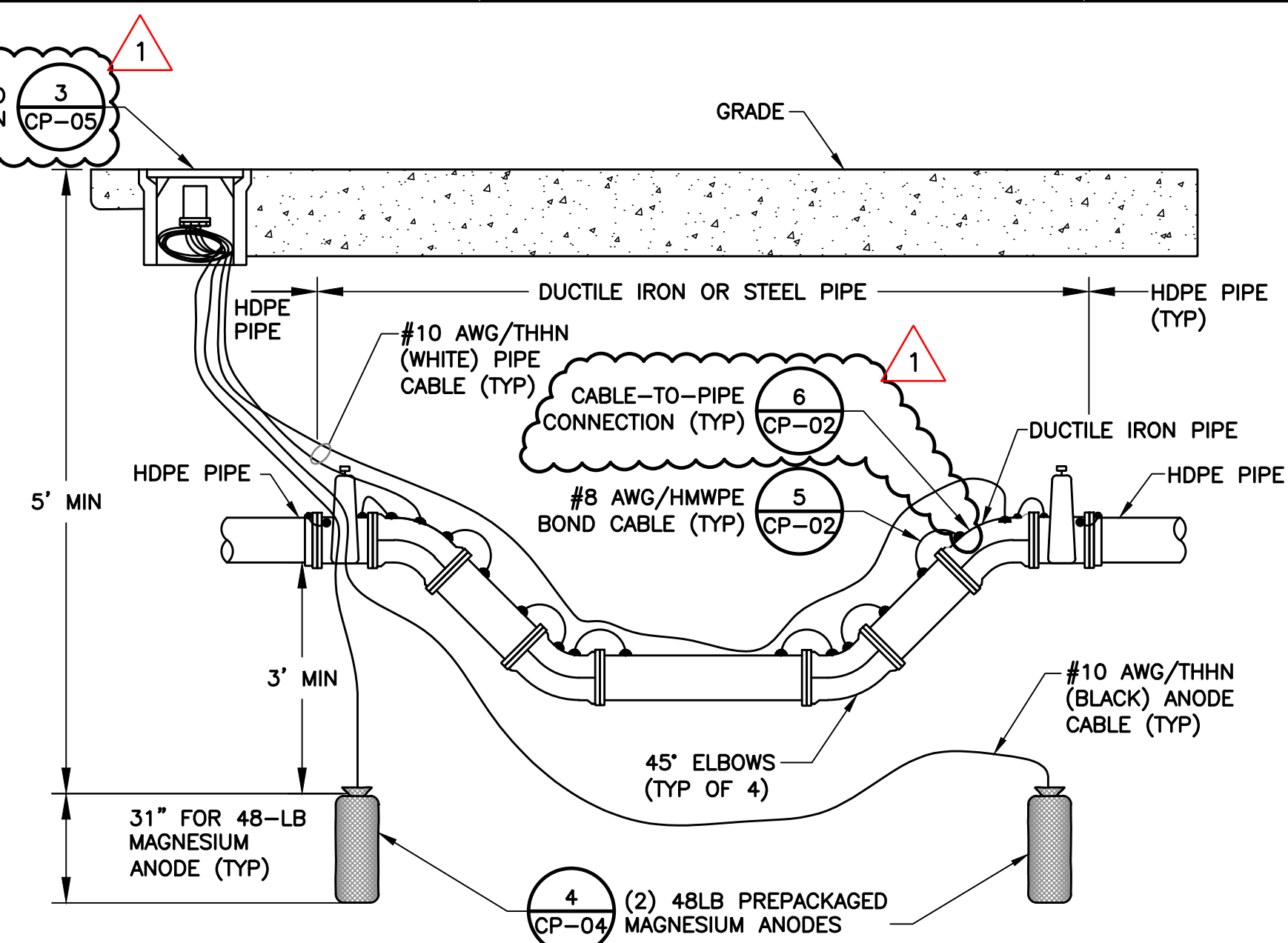
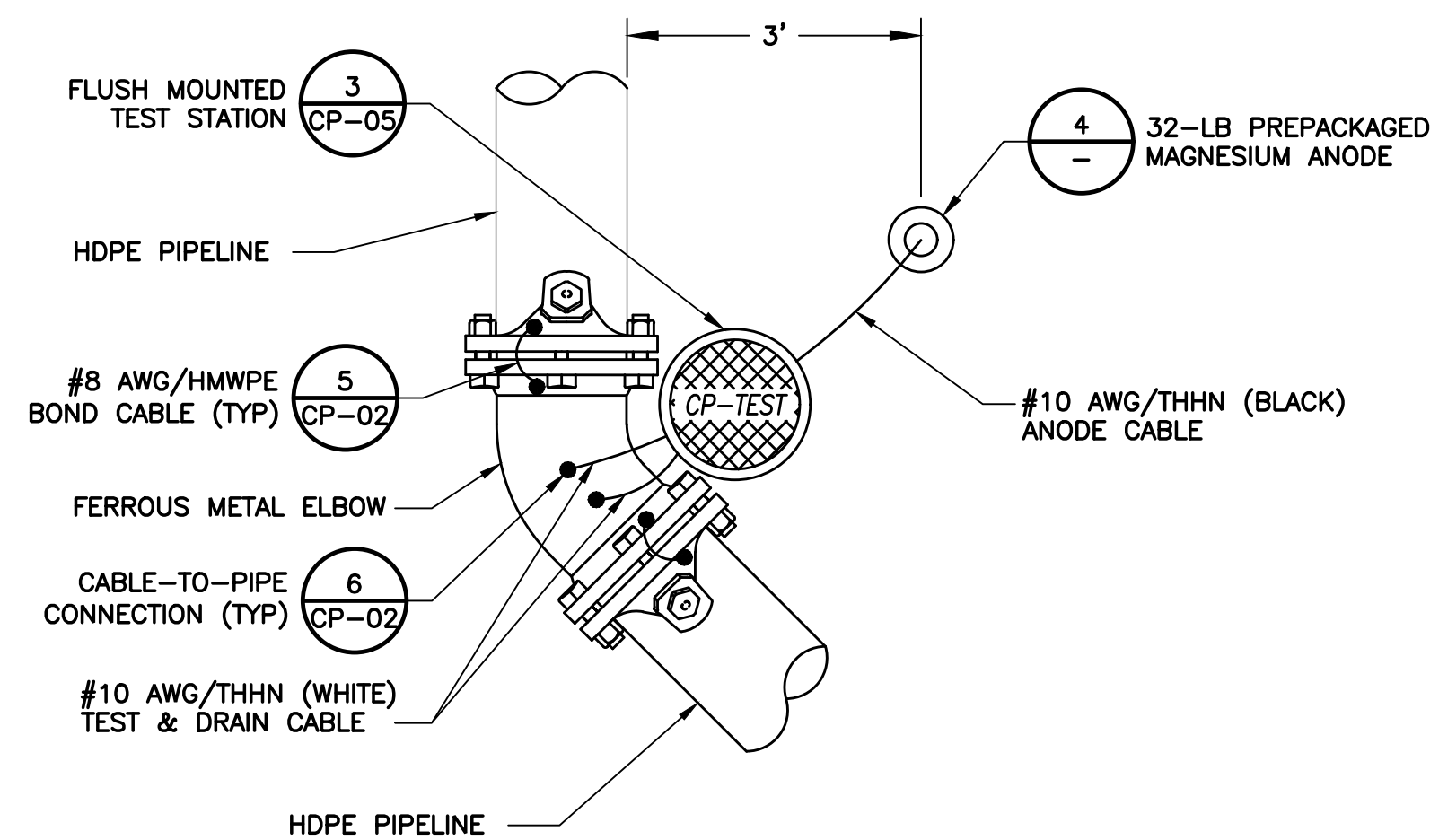
DETAIL 4 TAPPING SLEEVE & VALVE - ANODE & TEST STATION INSTALLATION
SCALE: NTS

REV	DESCRIPTION	DATE	APPR	REFERENCE INFORMATION AND NOTES
1	ADDENDUM #3	08/25	MT	

ADDENDA DRAWING
08-20-2025

DATE 7/8/2025	ENGINEERING CERTIFICATION SEE ORIGINAL "AS-BID" DOCUMENTS FOR SIGNATURE AND DATE	SANTA CLARA VALLEY WATER DISTRICT
DESIGN M. TAN		
DRAWN T. TRAN		
CHECKED J. RENTERIA		
ENGINEER	DATE	

PROJECT NAME AND SHEET DESCRIPTION: SOUTH COUNTY RECYCLED WATER PIPELINE PHASE 1C CATHODIC PROTECTION DETAILS II	SCALE AS SHOWN VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	PROJECT NUMBER 91094009 SHEET CODE: CP-03 SHEET NUMBER: 33
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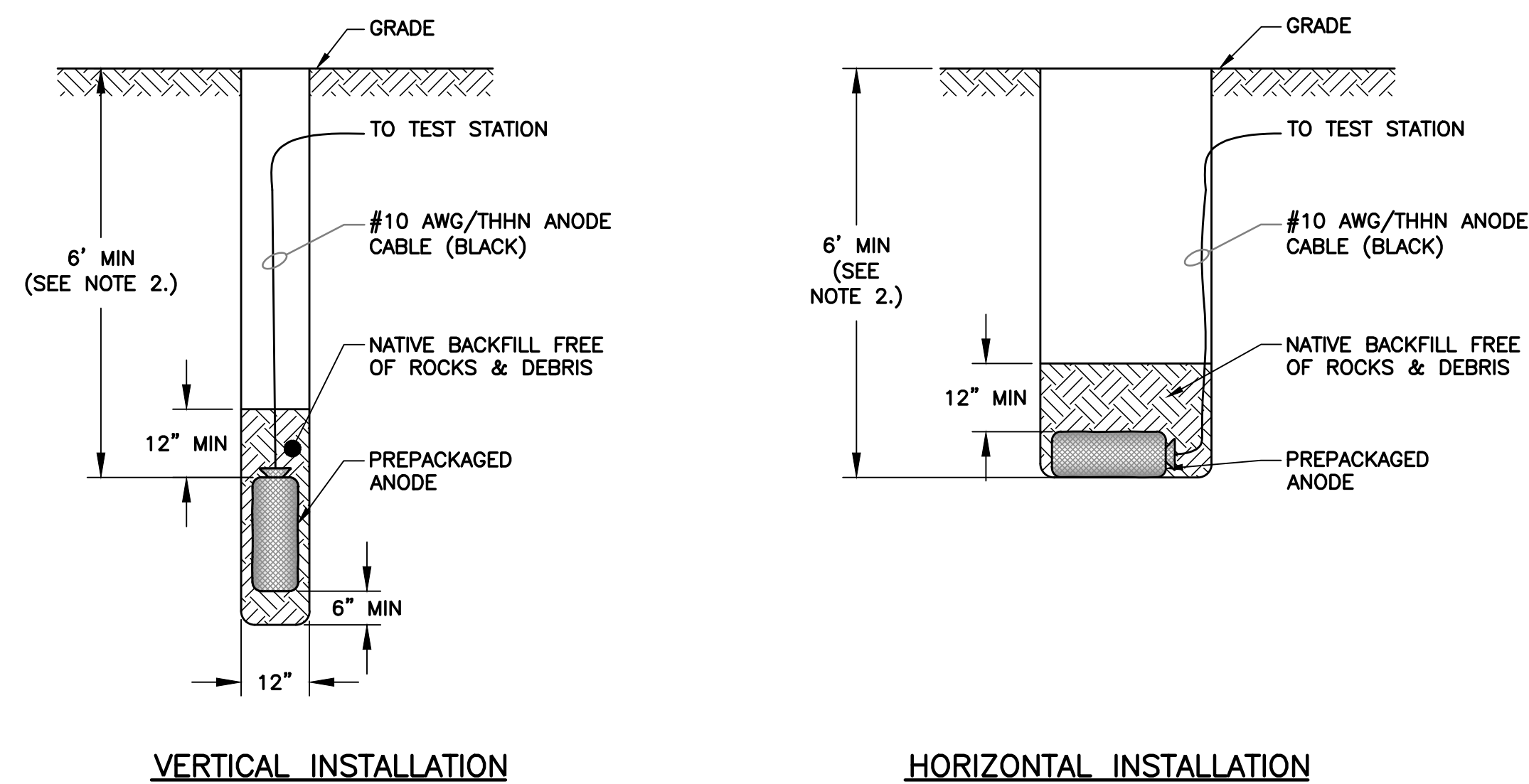
NOTES:

1. COAT ALL BURIED BOLTS & NUTS WITH BITUMASTIC AND ENCASE ALL DUCTILE IRON PIPE AND FITTINGS IN POLYETHYLENE PER CATHODIC PROTECTION GENERAL NOTE 1. ON SHEET CP-01.
2. TEST STATIONS SHALL BE INSTALLED OUT OF THE HIGH TRAFFIC AREAS BEHIND THE CURB AS INDICATED IN DETAIL 1/CP-05.
3. IF TEST STATION IS INSTALLED IN EXISTING SIDEWALK, REPLACE ENTIRE SQUARE FROM CURB TO BACK OF SIDEWALK, AND FROM JOINT TO JOINT ALONG THE SIDEWALK PER CITY STANDARDS.

NOTES:

1. THIS DETAIL MAY BE USED FOR ALL UNDERGROUND SECTIONS OF DUCTILE IRON PIPE INCLUDING CROSSING UNDER OR OVER A PIPE, BRIDGE AND SHORT RUNS OF DUCTILE IRON PIPE. IN ALL CASES A MINIMUM OF ONE ANODE SHALL BE INSTALLED ON EACH END OF A DUCTILE IRON PIPE SEGMENT.
2. THE ANODE SHALL BE INSTALLED VERTICALLY OR HORIZONTALLY WITH THE TOP OF THE ANODE A MINIMUM OF 5 FT. BELOW GRADE AND 3 FT. BELOW PIPE.
3. ANODES SHALL BE REQUIRED TO MAKE THE DUCTILE IRON PIPE SEGMENT ELECTRICALLY CONTINUOUS FROM END TO END.
4. TEST STATIONS SHALL BE INSTALLED OUT OF THE HIGH TRAFFIC AREAS BEHIND THE CURB AS INDICATED IN DETAIL 1/CP-05

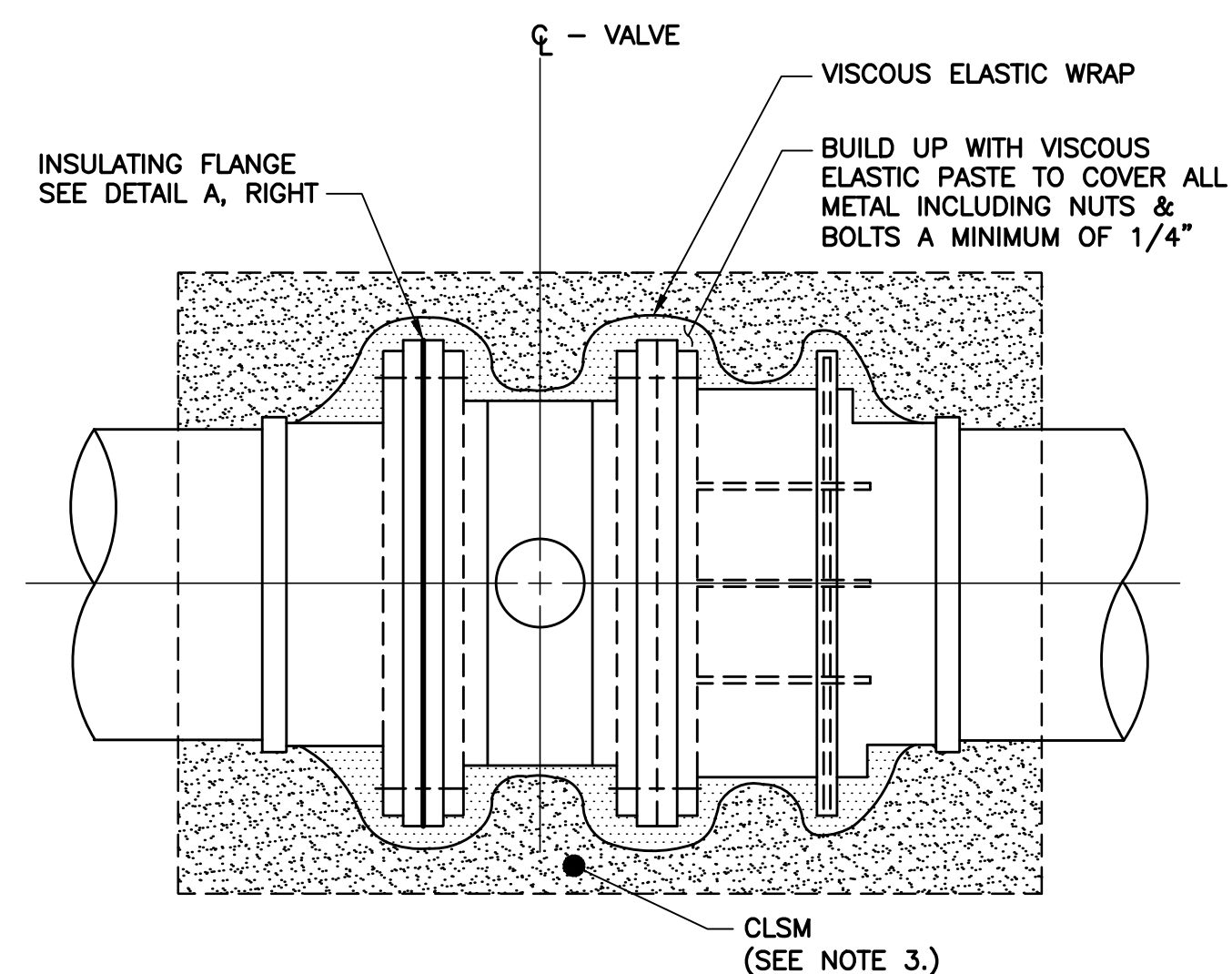
DETAIL **1** **FITTING - ANODE & TEST STATION**
 CP-04 SCALE: NTS



NOTES:

1. INSTALL ANODES 3 FEET OFF THE PIPE/FITTING IN NATIVE SOIL.
2. FOR SACRIFICIAL ANODES PROTECTING DUCTILE IRON VALVES, FITTINGS & RISERS OF HDPE OR HDPE PIPELINES, ANODES MAY BE INSTALLED SUCH THAT THE TOP OF THE ANODE IS PLACED BELOW THE BOTTOM OF THE VALVE OR FITTING. FOR DUCTILE IRON PIPELINE INSTALLATIONS, ANODE SHALL BE INSTALLED TO A MINIMUM DEPTH OF 6 FEET AS INDICATED IN THIS DETAIL. A MINIMUM OF A 3 FEET DISTANCE SHALL BE MAINTAINED BETWEEN EACH ANODE AND THE DUCTILE IRON STRUCTURE IT PROTECTS IN ALL CASES.
3. THE ANODES MAY BE INSTALLED HORIZONTALLY OR VERTICALLY UPON DISCRETION OF THE CONTRACTOR.
4. MAINTAIN A MIN. DISTANCE OF 10 FEET BETWEEN ANODES IF MULTIPLE ANODES ARE INSTALLED.

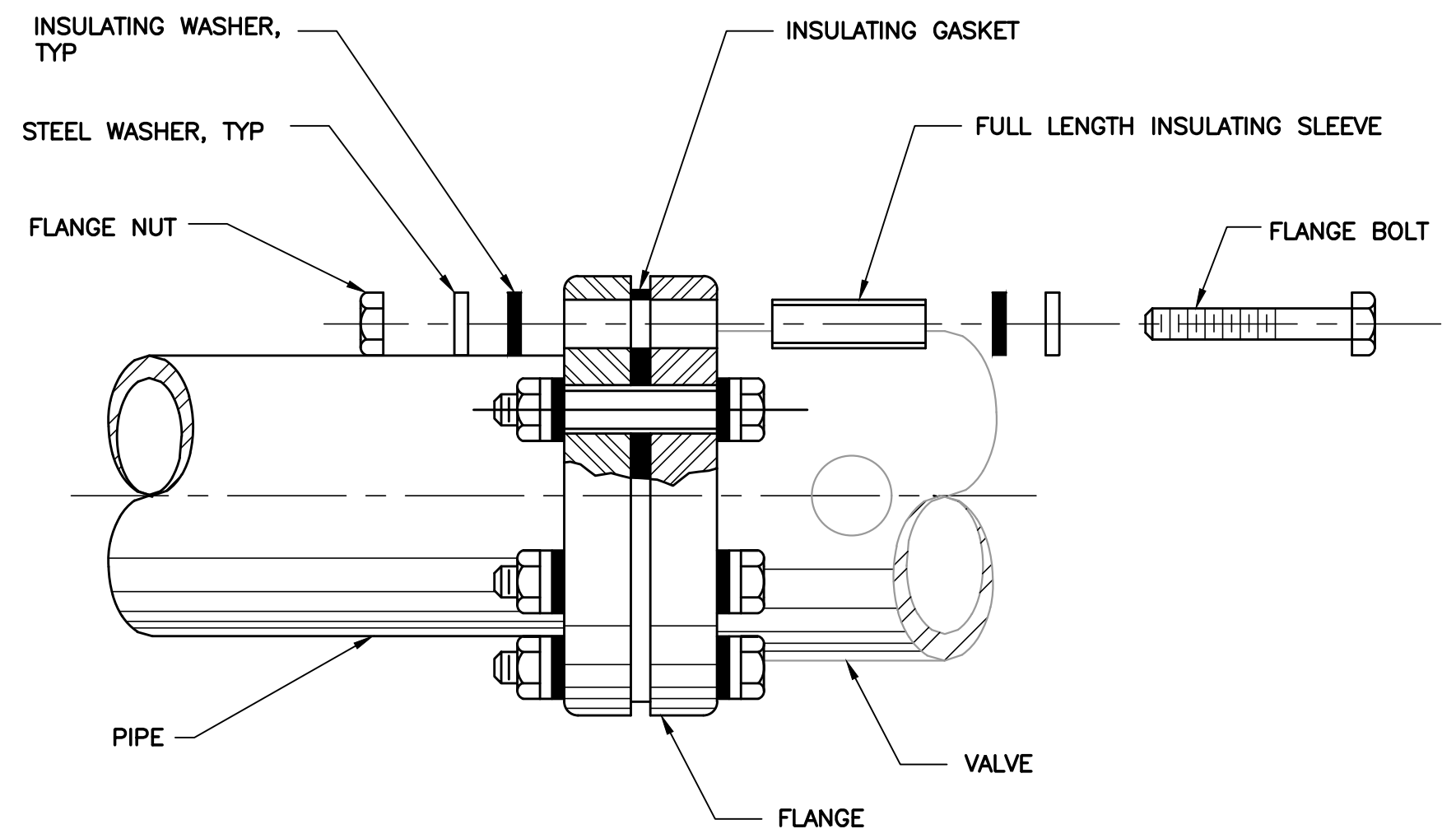
DETAIL **4** **ANODE INSTALLATION PROFILE**
CP-09 SCALE: NTS



NOTES:

1. OMIT COATING IF JOINT IS LOCATED ABOVE GRADE OR IN VAULTS.
2. THE ALLOY OF THE STEEL WASHERS SHALL BE THE SAME AS IS SPECIFIED FOR THE FLANGE BOLTS.
3. BACKFILL WITH CONTROLLED LOW-STRENGTH MATERIAL (CLSM) WITH A MAXIMUM COMPRESSIVE STRENGTH OF 200 PSI AND A MINIMUM COVER OF 6" OVER THE COATING.

DETAIL **5** MECHANICAL PIPE JOINTS –
CP-04 COATING
SCALE: NTS




NOTES:

1. ALL BOLT HOLES SHALL BE REAMED AFTER FITTING COMPONENTS TOGETHER BUT BEFORE INSERTING INSULATING SLEEVES.
2. THE INSULATING FLANGE KIT SHALL BE FOR WATER SERVICE, SUITABLE FOR WET & DRY LOCATIONS, AND BE OF SAME PRESSURE RATING AS THE FLANGE.
3. THE ALLOY OF THE STEEL WASHERS SHALL BE THE SAME AS IS SPECIFIED FOR THE FLANGE BOLTS.
4. ALL INSULATING JOINTS SHALL BE TESTED AND APPROVED PRIOR TO BACKFILL.

DETAIL 6 INSULATING FLANGE JOINTS ASSEMBLY
CP-04 SCALE: NTS

REV	DESCRIPTION	DATE	APPR	REFERENCE INFORMATION AND NOTES
1	ADDENDUM #3	08/25	MT	
<div style="border: 2px solid red; padding: 10px; text-align: center;"> <p>ADDENDA DRAWING</p> <p>08-20-2025</p> </div>				

DATE	ENGINEERING CERTIFICATION
7/8/2025	
DESIGN	
M. TAN	
DRAWN	
T. TRAN	
CHECKED	SEE ORIGINAL "AS-BID" DOCUMENTS FOR SIGNATURE AND DATE
J. RENTERIA	ENGINEER
	DATE





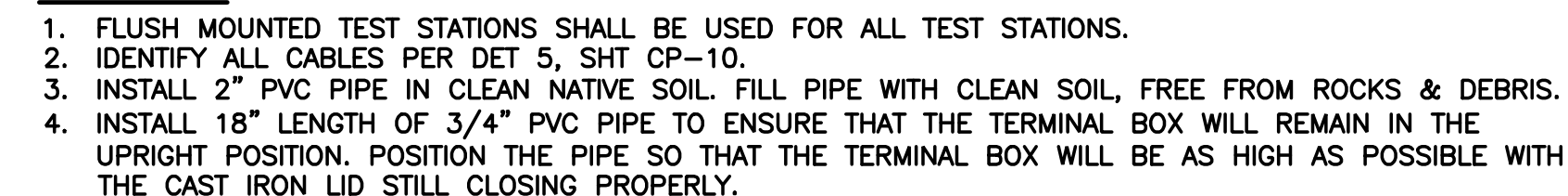
PROJECT NAME AND SHEET DESCRIPTION:

SOUTH COUNTY RECYCLED WATER PIPELINE PHASE 1C

1

CATHODIC PROTECTION DETAILS III

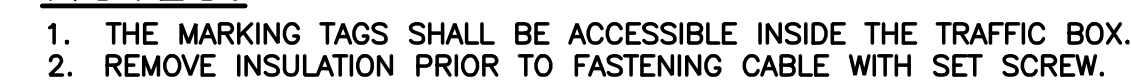
SCALE AS SHOWN	PROJECT NUMBER 91094009
VERIFY SCALES  BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE:  CP-04 SHEET NUMBER: 34



DETAIL 1 **MORTAR COATED STEEL PIPE -**
CP-05 TEST STATION INSTALLATION
SCALE: NTS

DETAIL **2** **TYPICAL CABLE TRENCH SECTION**
CP-05 SCALE: NTS

DETAIL 3 **MORTAR COATED STEEL PIPE OPTION**
CP-05 **FLUSH MOUNTED TEST STATION**
 SCALE: NTS




A- INDICATES PIPE STATIONING
B- INDICATES TEST STATION TYPE
CTS, CATS, OR IJTS

1. THE ENGRAVED LETTERING SHALL BE 3/8" HIGH, WHITE ON BLACK.
2. THE PLATES SHALL BE BOLTED TO THE TEST STATION TERMINAL BOX WITH 1/4" BRASS BOLTS.

DETAIL 4 TS TERMINAL BOX
CP-05 SCALE: NTS

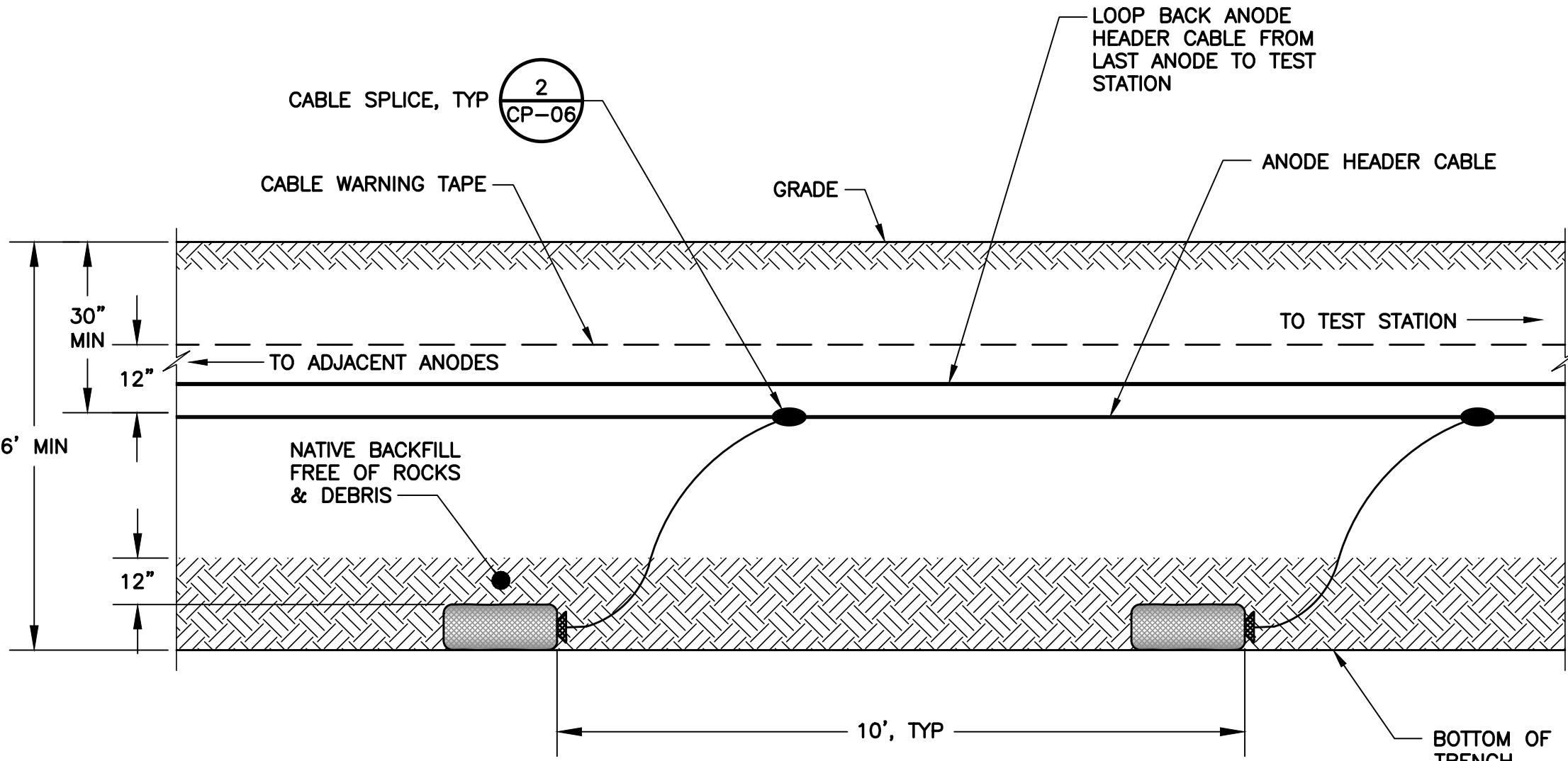
DETAIL **5** **CABLE IDENTIFICATION**
CP-05 SCALE: NTS

DETAIL **6** **IDENTIFICATION PLATE**
CP-05 SCALE: NTS

REV	DESCRIPTION	DATE	APPR	REFERENCE INFORMATION AND NOTES	DATE	ENGINEERING CERTIFICATION	SANTA CLARA VALLEY WATER DISTRICT	PROJECT NAME AND SHEET DESCRIPTION:	SCALE AS SHOWN	PROJECT NUMBER
1	ADDENDUM #3	08/25	MT		7/8/2025	DESIGN M. TAN DRAWN T. TRAN CHECKED J. RENTERIA	SEE ORIGINAL "AS-BID" DOCUMENTS FOR SIGNATURE AND DATE		SOUTH COUNTY RECYCLED WATER PIPELINE PHASE 1C CATHODIC PROTECTION DETAILS IV	91094009
									VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: CP-05 SHEET NUMBER: 35

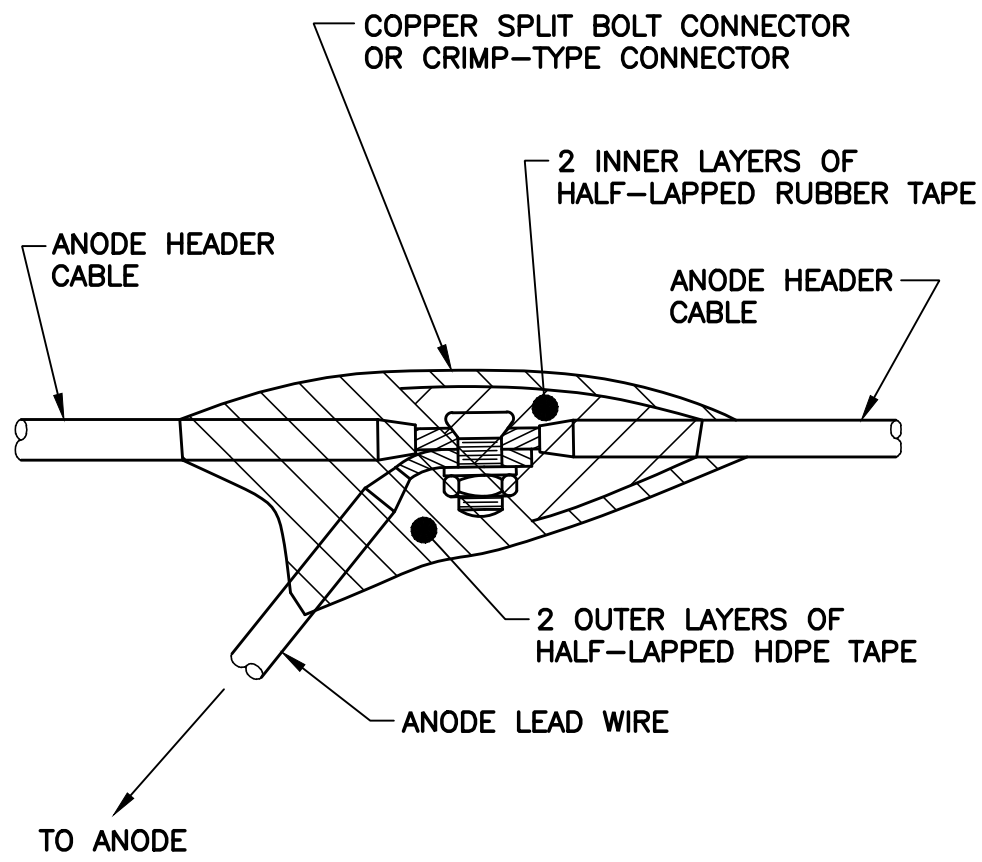
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DOCUMENT NUMBER: WAE-CP-9109-86790



NOTE:
INSTALL ANODES PARALLEL TO THE PIPELINE AND 5 FT OFF THE PIPE.

DETAIL 1
CP-06 **MULTIPLE ANODE INSTALLATION WITH HEADER CABLE LOOP**
SCALE: NTS



DETAIL 2
CP-06 **CABLE SPLICE**
SCALE: NTS

REV	DESCRIPTION	DATE	APPR	REFERENCE INFORMATION AND NOTES	DATE	ENGINEERING CERTIFICATION	SANTA CLARA VALLEY WATER DISTRICT	PROJECT NAME AND SHEET DESCRIPTION:	SCALE AS SHOWN	PROJECT NUMBER
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										SHEET NUMBER: 36

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DOCUMENT NUMBER: WAE-CP-9109-86791

REV	DESCRIPTION	DATE	APPR	REFERENCE INFORMATION AND NOTES
1	ADDENDUM #3	08/25	MT	
ADDENDA DRAWING 08-20-2025				

DATE	ENGINEERING CERTIFICATION	SANTA CLARA VALLEY WATER DISTRICT
7/8/2025	SEE ORIGINAL "AS-BID" DOCUMENTS FOR SIGNATURE AND DATE	
DESIGN		
M. TAN		
DRAWN		
T. TRAN		
CHECKED		
J. RENTERIA		
ENGINEER		
DATE		

DATE	ENGINEERING CERTIFICATION	SANTA CLARA VALLEY WATER DISTRICT
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ENGINEER		
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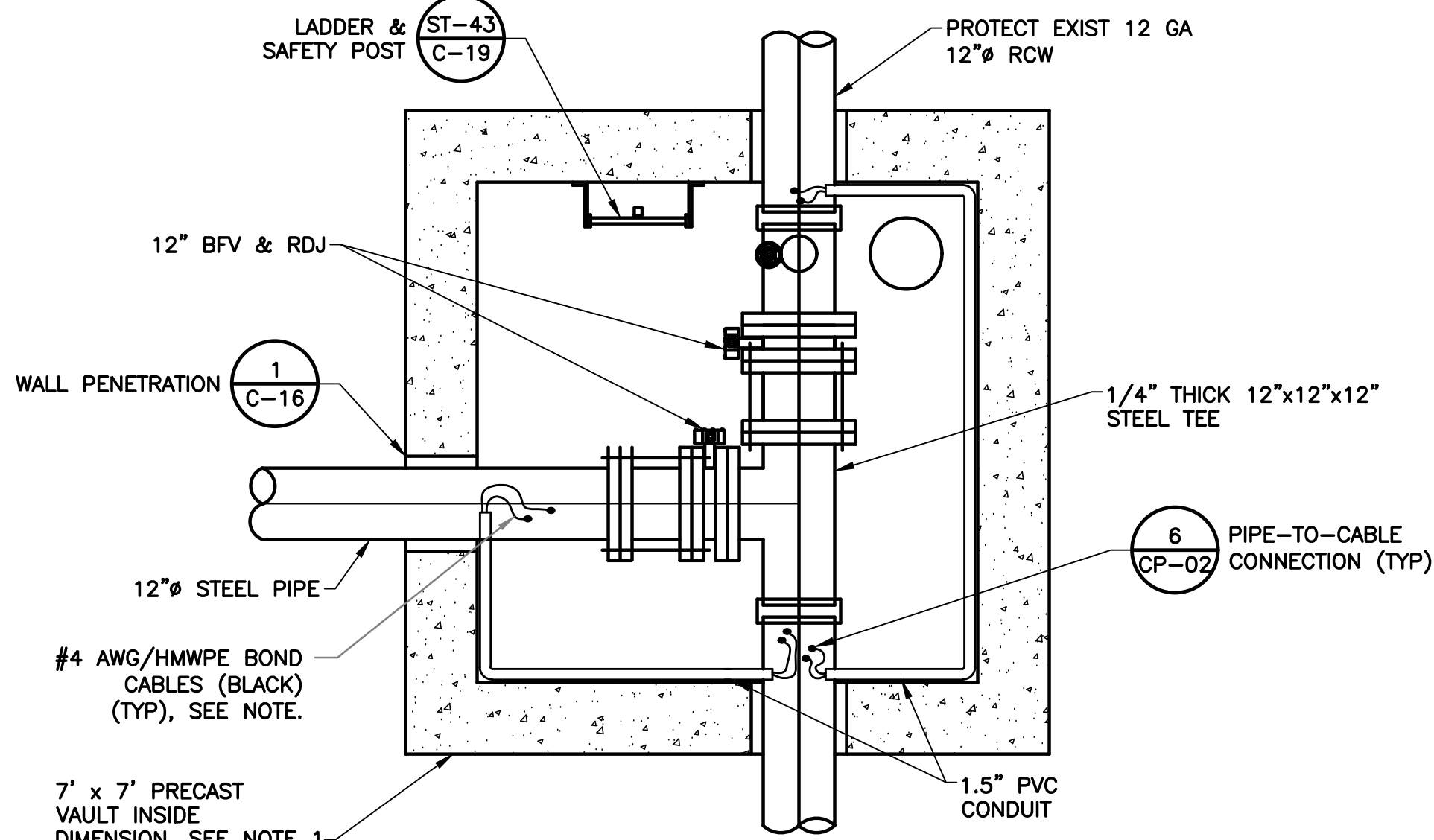
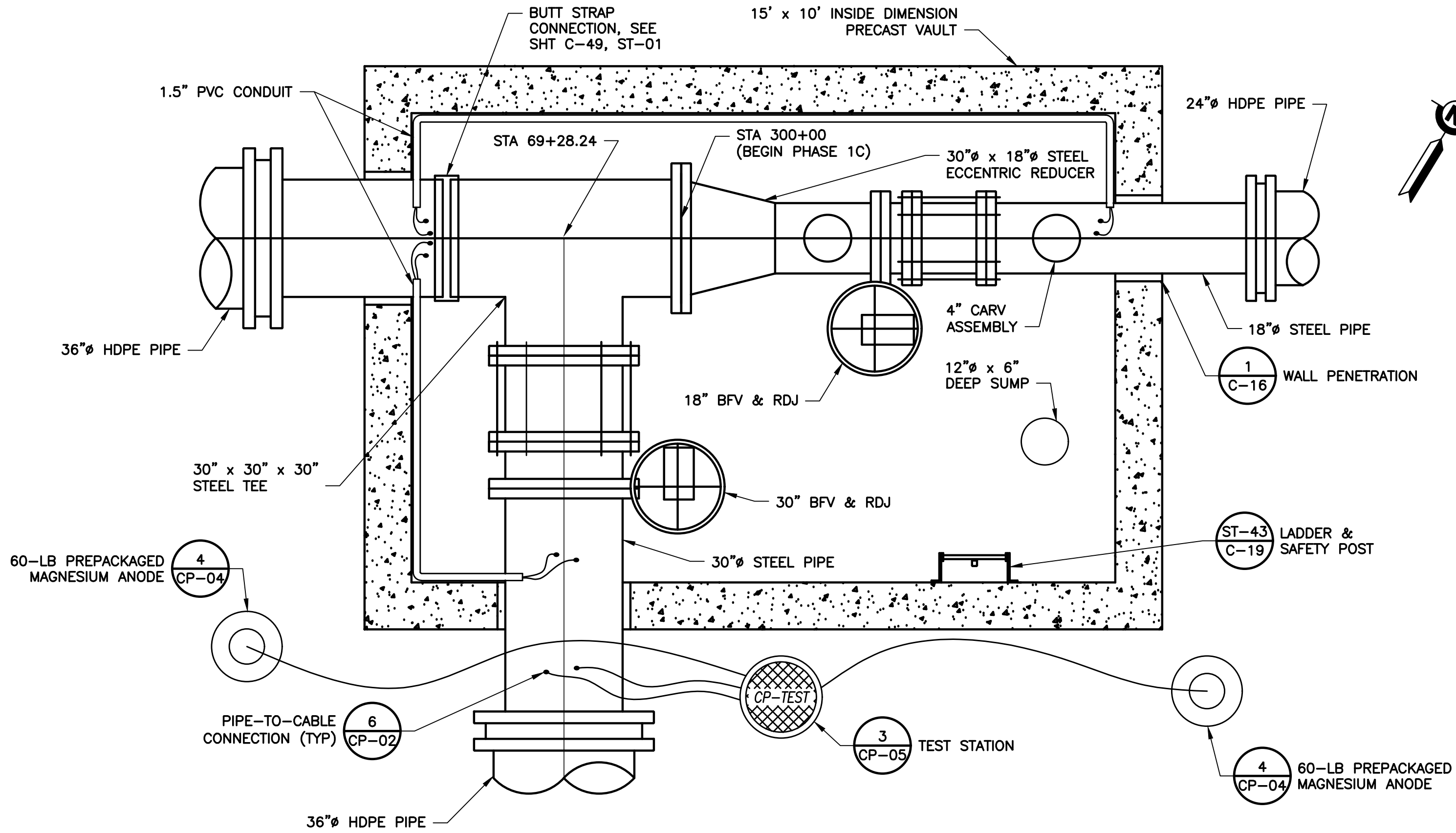
DATE	ENGINEERING CERTIFICATION	SANTA CLARA VALLEY WATER DISTRICT
7/8/2025	SEE ORIGINAL "AS-BID" DOCUMENTS FOR SIGNATURE AND DATE	
DESIGN		
M. TAN		
DRAWN		
T. TRAN		
CHECKED		
J. RENTERIA		
ENGINEER		
DATE		

PROJECT NAME AND SHEET DESCRIPTION:	SCALE	PROJECT NUMBER
SOUTH COUNTY RECYCLED WATER PIPELINE PHASE 1C	AS SHOWN	91094009
CATHODIC PROTECTION DETAILS VI	VERIFY SCALES	SHEET CODE: 1
	0 1"	CP-07
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SCALE	PROJECT NUMBER
AS SHOWN	91094009
VERIFY SCALES	SHEET CODE: 1
0 1"	CP-07
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET NUMBER: 37

DETAIL 2 ANODE TEST STATION - PHASE 1B TO PHASE 1C CONNECTION VAULT
SCALE: 1" = 2'

DETAIL 3 PHASE 1C CONNECTION TO EXIST 12" RCW VAULT
SCALE: 1" = 2'



NOTE:
BOND U/S & D/S PIPE SECTIONS WITH (2) #4 AWG/THWN BOND WIRES AND BOND ALL NEW BURIED, NON-WELDED PIPE JOINTS BETWEEN THE VAULT AND THE NEW HDPE PIPE CONNECTION.



SANTA CLARA VALLEY WATER DISTRICT
5750 ALMADEN EXPRESSWAY
SAN JOSE, CA 95118-3686
TELEPHONE (408) 630-3088
www.valleywater.org
scvwdplanroom@valleywater.org

Santa Clara Valley Water District

Notification of this Addendum is transmitted via PlanetBids Vendor Portal to all current plan holders.

This Addendum is posted on the Valley Water PlanetBids Public Site for Bids Vendor Portal at

<https://pbsystem.planetbids.com/portal/48397/portal-home>

September 3, 2025

ADDENDUM NO. 4
TO CONTRACT DOCUMENTS FOR THE
SOUTH COUNTY RECYCLED WATER PIPELINE PHASE 1C PROJECT
Project No. 91094009 Contract No. C0723
Invitation No. VW0596

Notice is hereby given to Prospective Bidders that the Contract Documents are modified as hereinafter set forth.

SPECIFICATIONS AND CONTRACT DOCUMENTS

1. **REPLACE** the Table of Contents with **ATTACHMENT NO. 1**, "Revised Table of Contents".

SPECIAL PROVISIONS

Section 20. Submittal and Quality Requirements

2. **REPLACE** Paragraph A under Article 20.01.02 "Immediate Submittals" with:

"A. Physical construction Work cannot begin until the following immediate submittals have been favorably reviewed by the Engineer. These immediate submittals shall be submitted no later than 30 Days after the date of issuance of the NTP.

1. Detailed Schedule of Work
2. Pre-Construction Survey Documentation
3. Injury and Illness Prevention Program
4. Shoring Plan
5. Site-Specific Safety and Health Plan
6. Contractor Obtained Permits

7. Traffic Control Plans (Approved)
8. SWPPP
9. Schedule of Values
10. Internal Video Inspection Plan
11. Quality Control Plan
12. **Resumes/qualifications of proposed Project Manager, Project Superintendent, Scheduler, Safety & Health Supervisor, Contractor Biologist**
13. **Master Submittal List**

TECHNICAL PROVISIONS

Section 23. Preparatory Work

3. **ADD** the following as Paragraph I to 1.01. in Article 23.02, "Clearing and Grubbing" with:

"I. Clearing and grubbing shall also include the removal and replacement of all miscellaneous traffic barricades or barriers not included in other items of work."

Section 26. Asphalt Paving & Pavement Restoration

4. **REPLACE** 1.04. in Article 26.01, "Asphalt Paving& Pavement Restoration" with:

"1.04 MEASUREMENT AND PAYMENT

- A. Full compensation for **furnishing all labor, materials, tools, equipment, and incidentals and for doing** all work required for **pavement restoration** ~~exploratory investigations~~ for the Project shall be included in the unit price bid item of lump sum for PAVEMENT RESTORATION – PHASE 1C, Bid Item No. 14.
- B. Refer to Article 21.01, Bid Items."

Section 28. Traffic Control

5. **REPLACE** 1.04. in Article 28.01, "Traffic Control" with:

"1.04 MEASUREMENT AND PAYMENT

- A. Full compensation for doing all work required for traffic control as specified in these Specifications shall be included in the lump sum price bid for TRAFFIC CONTROL, Bid Item No. **8**.
~~Bid Item No. 9.~~

B. Refer to Article 21.01, Bid Items.”

6. **ADD ATTACHMENT NO. 2** as Article 29.01, “Chain Link Fencing”

Section 30. Concrete

7. **REPLACE** Paragraph A under 3.04. in Article 30.07, “Precast Concrete Structures”

“A. Manufacturer shall provide a full warranty against defects in workmanship and material. This warranty shall be for a minimum of **two (2)** 20 years.”

8. **REMOVE** Article 30.17, “Cast-in-Drilled-Hole (CIDH) Concrete Piles”

Section 32. Piping

9. **REPLACE** Paragraph I under 1.01. in Article 32.01, “General Piping Requirements”

“1.01 SUMMARY

I. The pressure pipe sizes are as follows:

1. 12-inch cement mortar lined and coated welded steel pipe
2. 24-inch Dimension Ratio (DR) 11 Iron Pipe Size (IPS) PE4710 High Density Polyethylene (HDPE) Pipe”

10. **REPLACE** 1.07 in Article 32.01, “General Piping Requirements” with:

“1.04 MEASUREMENT AND PAYMENT

A. Full compensation for doing all work and furnishing all materials necessary to manufacture, deliver, and install the pressure pipe as shown on the Drawings and as specified in these Specifications shall be included in the unit price bid per linear foot for 24-INCH HDPE PRESSURE PIPE – PHASE 1C, Bid Item No. **10**. Refer to Article 32.08 and Article 32.12.

B. Refer to Article 21.01, Bid Items.”

11. **REPLACE** 1.04 in Article 32.06, “Hydrostatic Testing” with:

“1.04 MEASUREMENT AND PAYMENT

A. Full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all work required for hydrostatic pressure and leakage testing as specified in these Specifications, shall be included in the lump sum price bid for HYDROSTATIC TESTING – **PHASE 1C**, Bid Item No. **13**.

B. Refer to Article 21.01, Bid Items.”

12. **REPLACE** paragraph X under 3.01 in Article 32.08, "HDPE Pipe and Fittings" with:

"X. Joining Methods

1. Butt Fusion: The pipe shall be joined by the butt fusion procedure outlined in ASTM F 2620 or PPI TR-33. All fusion joints shall be made in compliance with the pipe or fitting manufacturer's recommendations. Fusion joints shall be made by qualified fusion technicians per PPI TN-42.
2. Saddle fusion: Saddle fusion shall be done in accordance with ASTM F 2620 or TR-41 or the fitting manufacturer's recommendations and PPI TR-41. Saddle fusion joints shall be made by qualified fusion technicians. Qualification of the fusion technician shall be demonstrated by evidence of fusion training within the past year on the equipment to be utilized on this project. (ASTM F905).
3. Mechanical:
 - a. Mechanical connection of HDPE to auxiliary equipment such as valves, pumps, and fittings shall use flanged mechanical joint adapters and other devices in conformance with the Handbook of Polyethylene Pipe, Chapter 9 and AWWA Manual of Practice M55, Chapter 6.
 - b. Mechanical coupling shall be made by qualified technicians. Qualification of the field technician shall be demonstrated by evidence of mechanical coupling training within the past year. This training shall be on the equipment and pipe components to be utilized for this project."

13. **REPLACE** 1.05 in Article 32.08, "HDPE Pipe and Fittings" with:

"1.04 MEASUREMENT AND PAYMENT

- A. Full compensation for doing all work and furnishing all materials necessary to manufacture, deliver, install, and pressure test the 24-inch HDPE pipe as shown on the Drawings and as specified in these Specifications shall be included in the unit price bid per linear foot for 24-INCH HDPE PRESSURE PIPE – PHASE 1C, Bid Item No. **10**.
- B. Refer to Article 21.01, Bid Items."

14. **REPLACE** 1.04 in Article 32.12, "Welded Steel Pipe" with:

"1.04 MEASUREMENT AND PAYMENT

- A. Full compensation for doing all work and furnishing all materials necessary to manufacture, deliver, install, and pressure test the ~~24-inch and 36-inch welded steel pressure pipe as shown on the Drawings and as specified in these Specifications shall be included in the unit lump sum price bid per linear foot~~ for **CONNECTION ASSEMBLY AT STA. 300+00 – PHASE 1C, Bid Item No. 9, TRAFFIC RATED IN-VAULT AIR RELEASE VALVE ASSEMBLY – PHASE 1C, Bid Item No. 19, IN-VAULT PUMP OUT RISER ASSEMBLY @ STA 322+68 – PHASE 1C, Bid Item No. 20, and EX RECYCLED WATER CONNECTION ASSEMBLY @ PRINCEVALLE STORM DRAIN – PHASE 1C, Bid Item No. 22.**
~~36-INCH WELDED STEEL PRESSURE PIPE, Bid Item No. 10, and 30-INCH WELDED STEEL PRESSURE PIPE, Bid Item No. 11.~~

- B. Refer to Article 21.01, Bid Items."

15. **REPLACE** 1.04 in Article 32.12, "Welded Steel Pipe" with:

"1.04 MEASUREMENT AND PAYMENT

- A. Full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all work required for video inspection of the existing 12-inch recycled water pipeline at Princevalle Storm Drain, as shown on the Drawings and as specified in these Specifications, shall be included in the lump sum price bid for EX RECYCLED WATER PIPELINE DRAINING, CLEANING AND VIDEO INSPECTION @ PRINCEVALLE STORM DRAIN – PHASE 1C, Bid Item No. 21.

- B. Refer to Article 21.01, Bid Items."

16. **REPLACE** 1.04 in Article 32.22, "Internal Pipeline Cleaning" with:

"1.04 MEASUREMENT AND PAYMENT

- A. Full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all work required for cleaning of the existing 12-inch recycled water pipeline at Princevalle Storm Drain, as shown on the Drawings and as specified in these Specifications, shall be included in the lump sum price bid for EX RECYCLED WATER PIPELINE DRAINING, CLEANING AND VIDEO INSPECTION @ PRINCEVALLE STORM DRAIN – PHASE 1C, Bid Item No. 21.

- B. Refer to Article 21.01, Bid Items."

Section 36. Metals

17. **ADD ATTACHMENT NO. 3** as Article 36.02, "Metal"

Section 37. Electrical

18. **REPLACE** 1.04 in Article 37.16, "Telemetry Cables" with:

"1.04 MEASUREMENT AND PAYMENT

- A. Full compensation for furnishing all materials and performing all work required for the installation of telemetry cable conduits, telemetry cable pull boxes, and pull ropes as shown on the Drawings and as specified in these Specifications shall be included in the unit price bid per **lump sum bid** ~~linear foot~~ for TELEMETRY CONDUIT – PHASE 1C – ~~SUPPLEMENTAL WORK~~, Bid Item No. 11.
- B. Refer to Article 21.01, Bid Items."

GENERAL QUESTIONS & RESPONSE


QUESTION 1: (Date Received – August 26, 2025)

Is there a bid form for this project if so, can you let me know where to find it?

RESPONSE 1:

The bid forms can be accessed through the Documents tab in Planetbids.

THIS ADDENDUM NO. 4, WHICH CONTAINS 6 PAGES AND 3 ATTACHMENT(S), IS ATTACHED TO AND IS A PART OF THE SPECIFICATIONS AND CONTRACT DOCUMENTS FOR THIS PROJECT.

DocuSigned by:

F8052D4291DA4DF...

Date: 9/3/2025

Emmanuel Aryee, P.E.
Deputy Operating Officer
Water Utility Capital Division

ENCLOSURE(S):

ATTACHMENT NO. 1: Revised Table of Contents
ATTACHMENT NO. 2: Article 29.01 Chain Link Fencing
ATTACHMENT NO. 3: Article 36.02 Metal

**ATTACHMENT 1
ADDENDUM NO. 4
TO CONTRACT DOCUMENTS FOR THE
SOUTH COUNTY RECYCLED WATER PIPELINE
PHASE 1C PROJECT
Project No. 91094009 Contract No. C0723
Invitation No. VW0596**

REVISED TABLE OF CONTENTS

	Page
STANDARD PROVISIONS	
SECTION 1. DEFINITIONS	1-1
SECTION 2. CONTRACT DOCUMENTS.....	2-1
2.01. Contract Documents and Precedence	2-1
2.02. State Specifications and Plans	2-2
2.03. Clarification of Contract	2-2
2.04. Requests for Information	2-3
2.05. Examination of Drawings, Specifications, and Site of Work	2-4
SECTION 3. SCOPE OF WORK.....	3-1
3.01. Work to be Done	3-1
3.02. Engineer.....	3-1
3.03. Contractor Staffing	3-1
3.04. Character of Workers	3-3
3.05. Layout of Work and Surveys.....	3-3
3.05.01. Responsibility of District	3-3
3.05.02. Responsibility of Contractor.....	3-3
3.06. Changes in the Work.....	3-4
3.06.01. Potential Change Orders and Change Orders	3-4
3.06.02. Change Order Request	3-5
3.06.03. Directed Change Orders.....	3-6
3.06.04. Allowable Quantity Variations	3-7
3.07. Change in Contract Price(s)	3-9
3.07.01. General	3-9
3.07.02. Cost of Extra Work	3-11
3.07.03. Time-and-Materials Work	3-16
3.07.04. Special Services.....	3-17
3.07.05. Compensation for Time Extensions Change in the Contract Price for Adjustments in Contract Time	3-17
3.08. Change in Contract Time(s).....	3-18
3.08.01. General	3-18
3.08.02. Inclement Weather	3-19
3.09. Differing Conditions	3-20
3.10. Cost Reduction Incentive.....	3-21
3.11. Disputes	3-21
3.11.01. Protest.....	3-22
3.11.02. Notice of Potential Claims	3-22
3.12. Claims	3-23
3.12.01. Claims Less Than Fifty Thousand Dollars	3-24
3.12.02. Claims from Fifty Thousand Dollars to Three Hundred and Seventy-Five Thousand Dollars.....	3-25
3.12.03. Informal Conferences	3-25
3.12.04. Civil Actions.....	3-25
3.13. Dispute Review Board	3-26
3.13.01. General	3-26
3.13.02. DRB Qualifications	3-27

3.13.03.	Establishment of the DRB	3-29
3.13.04.	DRB Meetings	3-30
3.13.05.	Dispute Resolution	3-30
3.14	Escrow Bid Documents	3-36
3.14.01.	Introduction	3-36
3.14.02.	Purpose	3-37
3.14.03.	Format and Contents	3-37
3.14.04.	Submittal	3-37
3.14.05.	Storage	3-38
3.14.06.	Examination	3-39
3.14.07.	Final Deposition	3-39
3.15.	Partnering	3-39
3.15.01.	Partnering Relationship	3-39
3.15.02.	Professionally Facilitated Project Partnering	3-40
3.16.	Claims and Disputes per Public Contract Code Section 9204	3-40
3.17.	Choice of Law and Venue	3-40
SECTION 4.	LEGAL REGULATIONS AND RESPONSIBILITY	4-1
4.01.	Laws to be Observed	4-1
4.02.	Equal Opportunity Requirements	4-1
4.03.	Employment of Labor	4-2
4.04.	Prevailing Wages	4-2
4.05.	Hours of Labor	4-4
4.06.	Apprentices	4-4
4.07.	Permits and Licenses	4-5
4.08.	Patents and Copyrights	4-5
4.09.	Interference With Fire Hydrants, Highways, and Fences	4-5
4.10.	Preservation of Property	4-5
4.11.	Contractor's Responsibility for the Work	4-6
4.12.	Indemnification	4-6
4.12.01.	Indemnify and Hold Harmless	4-6
4.12.02.	Limitation on Indemnity	4-6
4.12.03.	Duty to Defend	4-6
4.12.04.	Survival	4-6
4.13.	Contractor's Insurance	4-7
4.13.01.	General	4-7
4.13.02.	Insurance on Work and Material	4-7
4.14.	Payment of Taxes	4-7
4.15.	Cooperation With Others	4-7
4.16.	Property Rights in Material	4-8
4.17.	Rights in Land and Improvements	4-8
4.18.	Title to Material Found on the Work	4-8
4.19.	Trespass	4-9
4.20.	Subcontracting	4-9
4.21.	Assignment of Antitrust Claims	4-9
4.22.	Termination of Control	4-9
4.23.	Termination of Contract	4-10
4.24.	Contractor's Cost Data	4-10
4.25.	Coordination With Utilities	4-10
4.26.	Asbestos-Related Work	4-11
SECTION 5.	PROSECUTION AND PROGRESS OF WORK	5-1
5.01.	Assignment	5-1
5.02.	Notice to Proceed	5-1

5.03.	Commencement of Work	5-1
5.04.	Professional Scheduler	5-1
5.05.	Progress Schedules	5-2
5.05.01.	Preliminary Progress Schedule	5-2
5.05.02.	Baseline Progress Schedule	5-2
5.05.03.	Revised Baseline Schedules	5-5
5.05.04.	Updates to the Detailed Progress Schedules	5-5
5.05.05.	Time Impact Analysis	5-6
5.05.06.	“Three-Week-Look-Ahead” Schedules	5-7
5.05.07.	Payment	5-7
5.06.	Temporary Suspension of Work	5-7
5.07.	Liquidated Damages	5-8
SECTION 6.	MEASUREMENT AND PAYMENT	6-1
6.01.	Schedule of Values	6-1
6.01.01.	Preparation	6-1
6.01.02.	Submittal	6-1
6.01.03.	Revision	6-1
6.02.	Application for Payment	6-2
6.02.01.	Preparation	6-2
6.02.02.	Submittal of Application for Payment	6-3
6.02.03.	Review of Application for Payment	6-4
6.02.04.	Payment	6-5
6.02.05.	Withholding From Payments	6-7
6.03.	Final Payment	6-8
SECTION 7.	SUBMITTAL MANAGEMENT	7-1
7.01.	Submittal Requirements	7-1
7.02.	Master Submittal List	7-1
7.03.	Timing of Submittals	7-2
7.04.	Submittal Format	7-2
7.05.	Submittals to be Furnished by the Contractor	7-4
7.06.	Submittal Review Procedures	7-7
7.07.	Substitutions	7-10
7.08.	“Or Equal” Items	7-11
7.09.	Sole/Single Source	7-12
SECTION 8.	SAFETY AND SECURITY MANAGEMENT	8-1
8.01.	Public Safety	8-1
8.02.	Accident Prevention	8-1
8.03.	Explosives and Stream Pollution	8-2
8.04.	Fires	8-2
8.05.	Excavation Safety Plans	8-2
8.06.	Tunnel Construction Safety	8-3
8.07.	Confined Space Program	8-3
8.08.	Temporary Facilities	8-4
8.09.	Injury and Illness Prevention Program	8-5
8.10.	Safety and Health Program for Hazardous Waste Operations	8-6
8.11.	Site Safety and Health Supervisor	8-6
8.12.	Site-Specific Safety and Health Plan	8-7
8.13.	Safety and Health Plan Implementation	8-9
8.14.	Submittals	8-9
8.15.	Security Requirements at Job Site	8-11

8.16.	General	8-11
8.17.	Identification and Badging	8-12
8.18.	Background Checks	8-13
8.19.	Site Access Control	8-13
8.20.	Mail and Postal Deliveries to the Project Site	8-14
8.21.	Productivity Lost for Noncompliance With Security Measures	8-14
8.22.	Payment.....	8-14
 SECTION 9.	 QUALITY MANAGEMENT	 9-1
9.01.	General Quality Requirements	9-1
9.02.	District Quality and Environmental Policy Training.....	9-1
9.03.	Contractor's Quality Control Program	9-1
9.04.	Quality Coordination Meetings.....	9-4
9.05.	Documented Quality Control Records	9-6
9.06.	Inspection and Daily Reports.....	9-6
9.06.01.	Inspection.....	9-6
9.06.02.	Daily Inspection Reports.....	9-8
9.07.	Plant Inspection.....	9-9
9.08.	Sampling of Material.....	9-10
9.09.	Testing	9-10
9.10.	District Quality Assurance	9-12
9.10.01.	Testing by the District.....	9-12
9.10.02.	Defective Work.....	9-12
9.11.	Plumbing and Piping Quality.....	9-13
9.12.	Control of Materials and Equipment.....	9-13
9.12.01.	Source of Material and Equipment.....	9-13
9.12.02.	Product Data and Samples.....	9-14
9.12.03.	Transportation and Delivery.....	9-14
9.12.04.	Storage and Protection of Material	9-15
9.12.05.	Maintenance and Protection of Installed or Stored Equipment.....	9-16
9.13.	District-Furnished Material.....	9-17
9.14.	Final Inspection of Work.....	9-17
 SECTION 10.	 ENVIRONMENTAL	 10-1
10.01.	Good Neighbor Requirements	10-1
10.02.	Storm Water Pollution Prevention Plan.....	10-1
10.02.01.	Storm Water BMPs.....	10-2
10.02.02.	Regulatory Fines	10-2
10.03.	Water Pollution Discharges and Remedies.....	10-3
10.04.	Water Quality	10-3
10.05.	Burial Sites	10-4
10.06.	Cultural Resources (Archeological Discovery).....	10-4
10.07.	Noise Pollution and Vibration.....	10-5
10.08.	Air Pollution	10-6
10.09.	Spillage and Dust Control.....	10-6
10.10.	Traffic Control.....	10-7
10.11.	Regulated Material Management.....	10-9
10.11.01.	Storage of Regulated Material.....	10-9
10.11.02.	Regulated Material Discharges or Releases.....	10-10
10.11.03.	Hazardous Waste	10-11
10.12.	Non-regulated Materials	10-12
10.12.01.	Disposal at Other than State-Permitted Landfills	10-12
10.13.	Imported Earthfill Material.....	10-13
10.14.	Migratory Birds	10-13

10.14.01.	Scope of Work.....	10-14
10.14.02.	Migratory Bird Surveys	10-15
10.14.03.	Migratory Bird Monitoring	10-15
10.14.04.	Protective Buffer Zones	10-15
10.14.05.	Exclusion Devices	10-17
10.14.06.	Nest Prevention.....	10-17
10.14.07.	Submittals	10-18
10.15.	Other Wildlife and Fish Species.....	10-18
10.16.	Sensitive Plants and Vegetation	10-18
10.17.	Proper Pruning Techniques for Woody Vegetation Removal	10-19
SECTION 11.	CONTRACT CLOSEOUT	11-1
11.01.	Project Completion and Acceptance	11-1
11.01.01.	Use Before Acceptance.....	11-1
11.01.02.	Contractor's Responsibility to Manage Incomplete and Deficient Work	11-2
11.01.03.	Milestone Completion Preliminary Final Inspection.....	11-2
11.01.04.	Milestone Completion Final Inspection	11-3
11.01.05.	Project Completion	11-4
11.01.06.	Acceptance of Work	11-4
11.02.	Guarantee and Guaranty Bond.....	11-5
11.02.01.	Guarantee	11-5
11.02.02.	Guaranty Bond	11-6
11.02.03.	Use Before Acceptance Guarantee	11-9
11.03.	Submission of Closeout Items	11-10
11.03.01.	As-Built Drawings	11-10
11.03.02.	Closeout Documents	11-10
11.03.03.	Keys	11-11
11.04.	Final Cleaning	11-11
11.04.01.	Scope and Schedule for Final Cleaning.....	11-11
11.04.02.	Final Cleanup	11-11
11.04.03.	Structures.....	11-11
11.04.04.	Streets, Roadways, Concrete Slabs, Sidewalks, and Paved Areas ...	11-12
11.04.05.	Storm Drainage Facilities	11-12
11.04.06.	Unpaved Areas.....	11-13
SPECIAL PROVISIONS		
SECTION 12.	WORK AND CONTRACT TIME(S).....	12-1
12.01.	Summary of Work.....	12-1
12.02.	Drawings	12-2
12.03.	Contract Time(s).....	12-2
12.04.	Inclement Weather	12-3
12.05.	Liquidated Damages	12-3
12.06.	Bonus.....	12-4
12.07.	Liquidated Damages	12-4
SECTION 13.	GENERAL REQUIREMENTS.....	13-1
13.01.	Abbreviations and Acronyms	13-1
13.02.	Definition of Key Terms	13-1
13.03.	Site Investigation	13-2
13.04.	Valley Water-Furnished Reports.....	13-2

13.04.01.	Geotechnical Reports	13-2
13.04.02.	Environmental Report	13-3
13.04.03.	Hazardous Material Investigation Report	13-3
13.04.04.	Cultural Resources Report	13-6
13.04.05.	As-Built Documents	13-6
13.05.	Contractor's Engineering and Design	13-7
13.05.01.	Seismic Design Criteria	13-8
13.05.02.	Wind Design Criteria	13-8
13.05.03.	Hydraulic Design Criteria	13-8
13.05.04.	Truck Loading Design Criteria	13-8
13.06.	Employment of Labor	13-8
13.07.	Prevailing Wages	13-8
13.08.	Hours of Labor	13-10
13.09.	Apprentices	13-11
13.10.	Federal Requirements (NOT USED)	13-11
SECTION 14.	SPECIAL REQUIREMENTS	14-1
14.01.	Engineer	14-1
14.02.	Project Signs	14-1
14.02.01.	Payment	14-2
14.03.	Office Facilities	14-2
14.03.01.	Engineer's Office	14-2
14.03.02.	Contractor's Office	14-4
14.03.03.	Removal and Disposal	14-5
14.03.04.	Payment	14-5
14.04.	Use of SCRWA Facilities	14-5
14.05.	Temporary Utilities	14-5
14.05.01.	Payment	14-7
14.06.	Staging Area	14-7
14.06.01.	Payment	14-7
14.07.	Valley Water-Furnished Material and Equipment	14-8
14.07.01.	Assignment of Contract for Valley Water-Procured Material (Not Used)	14-9
14.08.	Salvaged Material and Equipment	14-9
14.09.	Tools and Spare Parts	14-9
14.10.	Operation and Maintenance Documents	14-10
14.10.01.	Scope of Work	14-10
14.10.02.	Submittal Schedule	14-10
14.10.03.	Document Contents	14-11
14.10.04.	Document Format	14-13
14.10.05.	Equipment, Products, and Systems Requiring O&M Documents	14-16
14.10.06.	Payment	14-16
14.11.	Maintenance of Record Documents	14-20
14.11.01.	As-Built Drawings	14-20
14.12.	Emergency Work	14-21
14.13.	Dispute Review Board	14-21
14.13.01.	Payment	14-21
14.14.	Escrow Bid Documents	14-22
14.15.	Partnering	14-22
14.15.01.	Payment	14-22
14.16.	Insurance	14-22
14.16.01.	Required Coverages	14-22
14.16.02.	General Requirements	14-24

14.16.03.	Payment.....	14-26
14.17.	Web-Based Construction Document Management.....	14-28
14.17.01.	Summary.....	14-28
14.17.02.	Computer and Connectivity Requirement.....	14-29
14.17.03.	Computer and Connectivity Requirement (NOT USED).....	14-29
14.17.04.	Contractor Responsibility.....	14-30
14.17.05.	Training.....	14-30
14.17.06.	DCS Utilization.....	14-30
SECTION 15.	GENERAL COORDINATION.....	15-1
15.01.	Meeting Requirements.....	15-1
15.01.01.	Preconstruction Meeting.....	15-1
15.01.02.	Progress Meetings.....	15-2
15.01.03.	Coordination and Special Meetings.....	15-3
15.02.	Integration and Coordination with Valley Water Operations.....	15-3
15.02.01.	Overview of Existing Systems and Facilities.....	15-3
15.02.02.	Requirements of an Operational Facility or System.....	15-4
15.03.	Coordination of Work Activities.....	15-4
15.03.01.	Work by Others.....	15-5
15.03.02.	Coordination With Others.....	15-5
15.04.	Construction Survey.....	15-6
15.05.	Public Notification.....	15-6
SECTION 16.	WORK CONSTRAINTS AND SITE RESTRICTIONS.....	16-1
16.01.	General Work Constraints.....	16-1
16.01.01.	Shutdown Constraints.....	16-2
16.02.	Utilities.....	16-3
16.02.01.	Utility Coordination.....	16-3
16.02.02.	Protection of Existing Utilities.....	16-4
16.02.03.	Utility Installation/Relocation by Others.....	16-6
16.03.	Protection of Existing Improvements.....	16-6
16.03.01.	Survey Monuments.....	16-6
16.04.	Preconstruction Surveys.....	16-6
16.04.01.	Preconstruction Survey Within the Project Limits.....	16-6
16.04.02.	Surveys of Properties in the Vicinity of the Work.....	16-7
16.05.	Rights of Way.....	16-8
16.05.01.	Valley Water-Furnished Right of Way.....	16-8
16.05.02.	Contractor-Furnished Right of Way.....	16-8
16.05.03.	Temporary Construction Easements.....	16-9
16.05.04.	Permanent Construction Easements.....	16-10
16.06.	Access to Properties Owned by Others.....	16-10
16.07.	Access to the Job Site.....	16-10
16.08.	Access Roads Within the Job Site.....	16-10
16.09.	Valley Water Use of Facilities/Premises Within the Work Area.....	16-11
SECTION 17.	SAFETY AND SECURITY.....	17-1
17.01.	Safety.....	17-1
17.02.	Safety and Health Program.....	17-2
17.03.	Security Requirements at Job Site.....	17-2
17.03.01.	General.....	17-2

17.03.02.	Identification and Badging	17-2
17.03.03.	Background Checks	17-3
17.03.04.	Site Access Control	17-3
SECTION 18.	PERMITS AND REGULATIONS	18-1
18.01.	Permits and Agreements	18-1
18.01.01.	Valley Water-Obtained Permits	18-1
18.01.02.	Contractor-Obtained Permits	18-1
18.01.03.	Operation Regulations	18-1
18.02.	Hours of Work	18-1
18.03.	Noise Pollution and Vibration	18-2
18.03.01.	Noise	18-2
18.03.02.	Noise Monitoring	18-3
18.03.03.	Vibration Monitoring	18-4
18.04.	Air Pollution	18-6
18.05.	Light Pollution (NOT USED)	18-7
18.06.	Spillage and Dust	18-7
18.07.	Traffic Control	18-7
18.08.	Truck Traffic and Hauling	18-8
18.08.01.	Truck Arriving Early, Truck Idling, and Queuing	18-9
18.09.	Parking	18-10
18.10.	Discovery of Archeological Artifacts and Human Remains	18-10
18.11.	Aesthetic Requirements	18-10
18.12.	Recreation	18-11
18.13.	Payment	18-11
SECTION 19.	ENVIRONMENTAL	19-1
19.01.	Compliance With NPDES General Permit	19-1
19.01.01.	SWPPP	19-2
19.01.02.	Storm Water BMPs	19-2
19.01.03.	Payment	19-4
19.02.	Other Discharge Permits	19-4
19.03.	BMP Action Plan (Not Used)	19-4
19.03.01.	Payment (Not Used)	19-4
19.04.	Water Pollution Discharges	19-5
19.05.	Regulated Material Management	19-5
19.05.01.	Asbestos Management	19-5
19.05.02.	Lead Management	19-5
19.06.	Solid Materials Management	19-5
19.06.01.	Definitions	19-5
19.06.02.	Construction and Demolition Waste Management	19-6
19.06.03.	Post-Consumer Recycled Content Requirements	19-7
19.07.	Migratory Birds	19-7
19.07.01.	Regulatory Requirements	19-9
19.07.02.	Qualified Biologist	19-10
19.07.03.	General Nesting Seasons	19-10
19.07.04.	Protective Buffer Zone (Not Used)	19-10
19.07.05.	Exclusion Devices	19-11
19.07.06.	Nest Prevention	19-11
19.07.07.	Submittals (Not Used)	19-11
19.07.08.	Payment	19-11

19.08.	Other Wildlife and Fish Species.....	19-11
19.08.01.	Environmental Monitoring Plan.....	19-13
19.09.	Sensitive Plants and Vegetation.....	19-14
19.10.	Proper Pruning Techniques for Woody Vegetation Removal (Not Used).....	19-14
19.11.	Plant Pathogen Management.....	19-14
19.12.	Payment.....	19-14
SECTION 20.	SUBMITTAL AND QUALITY REQUIREMENTS.....	20-1
20.01.	Additional Submittal Requirements.....	20-1
20.01.01.	General Requirements.....	20-1
20.01.02.	Immediate Submittals.....	20-1
20.01.03.	Special Review Cycle (Not Used).....	20-1
20.01.04.	Copies.....	20-1
20.02.	Exclusive Testing by Valley Water.....	20-2
20.03.	Additional Testing Certifications.....	20-2
20.04.	Contractor's Quality Control.....	20-3
20.04.01.	Quality Control Plan.....	20-3
20.04.02.	Contractor's Quality Control Staffing Requirements.....	20-3
20.04.03.	Payment.....	20-4
SECTION 21.	PAYMENT PROCEDURES.....	21-1
21.01.	Bid Items.....	21-1
21.01.01.	General Requirements.....	21-1
21.01.02.	Description of Bid Items.....	21-1
21.02.	Progress Payments and Schedule of Values.....	21-11
21.03.	Progress Payment Retention (Not Used).....	21-12
SECTION 22.	CONTRACT CLOSEOUT.....	22-1
22.01.	Project Completion and Acceptance.....	22-1
22.01.01.	Use Before Acceptance.....	22-1
22.01.02.	Milestone Completion Preliminary Final Inspection.....	22-1
22.02.	Guarantee and Guaranty Bond.....	22-1
22.03.	Training.....	22-1
22.03.01.	General Requirements.....	22-1
22.03.02.	Submittals.....	22-4
22.04.	Testing and Facility Start-Up.....	22-4
22.04.01.	Testing and Start-Up Overview.....	22-4
22.04.02.	Water Tightness Testing.....	22-7
22.04.03.	Operational Readiness Testing.....	22-7
22.04.04.	Functional Testing.....	22-8
22.04.05.	System Commissioning Testing.....	22-8
22.04.06.	Submittals.....	22-9
22.05.	Submission of Closeout Items.....	22-9
22.06.	Final Cleaning.....	22-9

TECHNICAL PROVISIONS

SECTION 23 – PREPARATORY WORK

- Article 23.01 Mobilization
- Article 23.02 Clearing and Grubbing
- Article 23.03 Demolition
- Article 23.05 Control of Water
- Article 23.06 Erosion Control
- Article 23.07 Handling and Storage

SECTION 24 – EARTHWORK

- Article 24.01 Excavation and Backfill
- Article 24.07 Controlled Density Fill
- Article 24.08 Exploratory Investigation
- Article 24.10 Structural Excavation
- Article 24.11 Structural Backfill
- Article 24.12 Type “A” Backfill
- Article 24.16 Shoring and Bracing
- Article 24.18 Geotechnical Instrumentation and Monitoring

SECTION 26 – PAVING, CURB AND GUTTER, SIDEWALK

- Article 26.01 Asphalt Paving & Pavement Restoration
- Article 26.02 Roadway Restoration

SECTION 28 – TRAFFIC CONTROL

- Article 28.01 Traffic Control

SECTION 29 – FENCING AND GATES

- Article 29.01 Chain Link Fencing

SECTION 30 – CONCRETE

- Article 30.01 Concrete – General
- Article 30.07 Precast Concrete Structures
- Article 30.09 Formwork and Falsework
- Article 30.10 Reinforcement
- Article 30.11 Joints, Waterstops and Sealants
- Article 30.16 Grout
- ~~Article 30.17 Cast In-Drilled Hole (CIDH) Concrete Piles~~

SECTION 32 – PIPING

- Article 32.01 General Piping Requirements
- Article 32.05 Miscellaneous Piping and Piping Specialties
- Article 32.06 Hydrostatic Testing
- Article 32.08 HDPE Pipe and Fittings
- Article 32.12 Welded Steel Pipe
- Article 32.18 Tension Anchorage
- Article 32.21 Internal Pipeline Video Inspection
- Article 32.22 Internal Pipeline Cleaning

SECTION 34 – VALVES AND ACTUATORS

- Article 34.01 Valves and Actuators – General
- Article 34.02 Butterfly Valves

Article 34.03 Ball Valves
Article 34.05 Gate Valves
Article 34.13 Air Valves
Article 34.15 Valve Actuators

~~SECTION 35 – ESTABLISHMENT MAINTENANCE~~

~~Article 35.01 Planting & Establishment Maintenance~~

SECTION 36 – METALS

Article 36.02 Metal
Article 36.12 Hatches, Roof Scuttle

SECTION 37 – ELECTRICAL

Article 37.16 Telemetry Cables

SECTION 39 – CORROSION CONTROL

Article 39.01 Cathodic Protection
Article 39.02 Impressed Current Cathodic Protection System
Article 39.03 Protective Coatings – Casings

SECTION 40 – COATING, LINING, AND PAINTING

Article 40.01 Lining and Coating – Piping & Valves
Article 40.02 Painting and Coating – General

LIST OF APPENDICES

APPENDIX A

Agreement
Payment Bond
Performance Bond
Instructions for Completing SBE Utilization Report
Sample Small/Micro Business Enterprises (SBE) Utilization Report
Project Labor Agreement

APPENDIX B

Boring Log Map
Soil Boring Logs
Import Material Certification Form
Geotechnical Data Report

APPENDIX C

1602 CDFW Streambed Alteration Agreement
1602 CDFW Streambed Alteration Agreement Extension
Solid Materials Management Report Form
Migratory Bird Memorandum
SCVWD BMP Handbook
Frac-Out Contingency Plan
Guidance for Plant Pathogen Prevention

APPENDIX D

Contractor Safety Qualification Packet
Rescue Training Certification Form
CADD Standards for Consultants and Contractors

APPENDIX E

Temporary Construction Easement Agreement
Green Valley Corporation Deed

**ATTACHMENT 2
ADDENDUM NO. 4
TO CONTRACT DOCUMENTS FOR THE
SOUTH COUNTY RECYCLED WATER PIPELINE
PHASE 1C PROJECT
Project No. 91094009 Contract No. C0723
Invitation No. VW0596**

ARTICLE 29.01

CHAIN LINK FENCING

SECTION 29

PART 1 GENERAL

1.01 SUMMARY

- A. This section covers chain link fencing and gates. Fencing shall be provided in the alignment indicated on the Drawings.
- B. Chain link fences shall conform to Section 80-3 of the State Specifications unless specified herein.

1.02 REFERENCES

- A. California Department of Transportation (CalTrans):
 - 1. Standard Details and Specifications.
- B. ASTM International (ASTM):
 - 1. ASTM A392-11a – Standard Specification for Zinc-Coated Steel Chain-Link Fence Fabric.
 - 2. ASTM A491-11 – Standard Specification for Aluminum-Coated Steel Chain-Link Fence Fabric.
 - 3. ASTM A829 – Standard Specification for Alloy Structural Steel Plates.
 - 4. ASTM F626-14 – Standard Specification for Fence Fittings.
 - 5. ASTM F1043-17a – Standard Specification for Strength and Protective Coatings on Steel Industrial Fence Framework.

1.03 SUBMITTALS

- A. Complete detail drawings and specifications for the fence, gates, and accessories shall be submitted in accordance with the Special Provisions Submittals Procedures section (Article 7.05).

1.04 MEASUREMENT AND PAYMENT

- A. Unless noted otherwise, full compensation for Work involved in complying with all requirements per this Article as shown on the Drawings, as specified in these Specifications, and as directed by the Engineer shall be considered incidental and included in the Contract Price(s) paid for the various items of Work involved; no additional time shall be allowed or payment made.

Chain Link Fencing**Article 29.01****PART 2 PRODUCTS****2.01 MATERIALS****A. Fence Types:**

1. Fencing shall be of the type specified herein.

B. Plant Fencing:

1. Fencing shall consist of fabric as specified herein, with a top rail, bottom tension wire, and three (3) strands of barbed wire mounted on 45-degree extension arms. The upper strand of barbed wire shall be approximately 18 inches [0.5 m] out from the fence and the same distance above the top of the fabric. Posts shall be set in concrete or sleeves as indicated on the Drawings.

C. Fencing Fabric and Heights:

1. Fencing heights, unless otherwise specified on the Drawings, shall be as follows:

Fabric	Height
Galvanized steel	6 ft

D. Fence posts shall be set in earth with concrete foundations.**E. Steel Fencing:**

1. All steel or malleable iron parts and accessories shall be as follows hot-dip galvanized or aluminum coated after fabrication.

Steel Fencing	
Fabric	11 gage thick, two (2)-inch mesh. Galvanized per ASTM A392, Class 2, or aluminum coated per ASTM A491.
Fabric Finish	Knuckled both edges for fabric widths of 60 inches or less. Knuckled one edge and twisted one edge for fabric widths of 72 inches or more.
Posts	Steel pipe, ASTM F1043-17a, Group IC, with ASTM F1043-17a, Type B or D interior and Type B exterior protective coating.
Line Posts	
For 6-foot and 7-foot fencing	2-3/8 inch OD pipe, 3.12 lb/ft.

Chain Link Fencing**Article 29.01**

Steel Fencing	
Terminal Posts (End, corner, and pull posts)	
For 6-foot and 7-foot fencing	2-7/8 inch OD pipe, 4.64 lb/ft.
Gate Posts	
For gate or leaf 6 feet or less	2-7/8 inch OD pipe 4.64 lb/ft.
For gate or leaf wider than 6 feet	4 inch OD pipe, 6.56 lb/ft.
For gate or leaf wider than 13 feet	6-5/8 inch OD pipe, 18.97 lb/ft.
For gate or leaf wider than 18 feet	8-5/8 inch OD pipe, 28.55 lb/ft.
Top Rails	1-5/8 inch OD pipe, 1.40 lb/ft.
Rail Couplings	Sleeve type, six (6) inches long, ASTM F626-14.
Bracing, required when fence height is greater than 6 feet	Pipe brace same as top rail, with 3/8-inch diameter steel rod truss and tightener.
Post Tops (with barbed wire)	Pressed steel, malleable iron with pressed steel extension arm, or one piece aluminum casting, ASTM F626-14.
Post Tops (without barbed wire)	Pressed steel, malleable iron, or cast aluminum, ASTM F626.
Barbed Wire	Each strand shall consist of two (2) 12.5 gage steel wires with four-point barbs; galvanized per ASTM A121, Class 3, or aluminum coated per ASTM A585, Type I.
Stretcher Bars	Steel, ASTM F626-14, 1/4 by 3/4 inch, or equivalent area.
Fabric Ties	Aluminum bands or wire, ASTM F626-14.
Gate Frames	Steel tubing, 1-7/8 inch OD, 2.28 lb/ft.
Tension Wire	ASTM A824, galvanized or aluminum coated coil spring wire, seven (7) gage.
Handrail-Setting Cement	Minwax "Super Por-Rok Cement" or Master Builders "Set 45".

Chain Link Fencing

Article 28.01

F. Padlocks:

1. The District will provide padlocks for gates. The Contractor shall coordinate with the Engineer to obtain the padlocks.

G. Gates:

1. Gates shall be swing type, hinged to swing an angle of 180 degrees from closed to open, complete with frames, latches, hinges, braces, three (3) strands of barbed wire if specified for fencing, and fabric. Stops, keepers, and padlocks shall be provided where specified.
2. Gate leaves shall have intermediate members and diagonal truss rods where necessary for rigid construction and shall be free from sag or twist. When adjacent fence is topped with barbed wire, gates shall be fitted with vertical extension arms or shall have frame end members extended to carry barbed wire. Joints between frame members shall be made by welding or by means of heavy fittings, and shall be rigid and watertight. Gate fabric shall be same as fence fabric and shall be attached to frame ends by stretcher bars, bolt hooks, or other mechanical means.
3. Hinges shall be of heavy pattern, with large bearing surfaces, and shall not twist or turn under the action of the gate. Latches shall be plunger bar type, full gate height, and arranged to engage the gate stop. Single gates less than 10 feet wide shall be provided with a forked latch.
4. Latches shall be arranged for padlocking, with the padlock accessible from both sides of the gate. Stops shall consist of a roadway plate with anchor set in concrete and arranged to engage the plunger. Stops shall be installed at all gate locations.
5. Keepers shall consist of mechanical devices for securing and supporting the free end of the gates when in the fully open position. Keepers shall be installed at the all gate locations.
6. Padlocks shall be installed at all gate locations.

PART 3 EXECUTION

3.01 INSTALLATION

- A. The installed fence shall conform to the alignment and finished grade indicated. All posts shall be plumb. Unless otherwise indicated on the drawings, posts shall be spaced approximately six (6) feet apart for perimeter fencing. Where necessary, the fence grade shall be adjusted to fit the ground contour by slipping the fence fabric links. Ground surface irregularities shall be graded to maintain not more than two (2)-inch clearance below the bottom of the fence fabric.

Chain Link Fencing**Article 29.01**

- B. Where posts are set in earth, concrete foundations 36 inches deep shall be provided. If bedrock is encountered, post excavation shall be continued to the 36-inch depth or 18 inches into the rock, whichever is less. Concrete foundations shall be circular in horizontal cross-section, no less than 10 inches in diameter for line posts, and with a diameter not less than the post OD plus nine (9) inches for terminal and gate posts, except that foundations in bedrock shall be at least 6 inches larger than the outside dimension of the post. Foundations shall extend above the ground surface and shall be crowned approximately one (1) inch. Concrete for foundations shall conform to structural concrete requirements. Each foundation shall be cured for at least 72 hours before further work is done on the post.
- C. Top rails and bottom tension wires shall be installed before the fabric. Top rails shall be furnished in at least 18 foot lengths and shall be securely connected to gate and terminal posts. Tension wires shall be installed approximately six (6) inches above grade and shall be attached to each post and securely anchored at terminal and gate posts. Straight runs between braced posts shall not exceed 1,500 feet. A terminal post shall be provided at each change in slope.
- D. Fabric shall be attached to the top rail and bottom tension wire at 24-inch centers, and to the line posts at 15-inch centers. Barbed wire, when necessary, shall be fastened to each extension arm by internal clips or external fabric ties. Stretcher bars shall be provided at each gate post and terminal post. Each stretcher bar shall be threaded through the fabric and anchored to the post at 15-inch centers by positive mechanical means. When necessary, each gate post and terminal post shall be braced by a horizontal pipe brace and an adjustable truss extending to an adjacent line post. Corner posts shall be braced in both directions.
- E. Fabric shall be stretched taut and anchored so that a pull of 150 lbs at the middle of a panel will not lift the bottom of the fabric more than six (6) inches.
- F. Gates shall be installed so that they cannot be removed without disassembly of the hardware. Hardware attachment bolts shall be peened so that removal will be difficult.
- G. Interior and exterior surfaces of aluminum which will be in contact with concrete, mortar, or dissimilar metals shall be given a heavy coat of coal tar paint. The end of each aluminum post to be set in concrete shall be dipped in a container of coal tar paint before installation.

END OF ARTICLE

**ATTACHMENT 3
ADDENDUM NO. 4
TO CONTRACT DOCUMENTS FOR THE
SOUTH COUNTY RECYCLED WATER PIPELINE
PHASE 1C PROJECT
Project No. 91094009 Contract No. C0723
Invitation No. VW0596**

**ARTICLE 36.02
METAL****SECTION 36**

PART 1 GENERAL**1.01 SUMMARY**

- A. The work specified in this Article includes designing, fabricating, furnishing, delivering, and installing metal fabrications and associated components as shown on the Drawings and as specified herein.
- B. Metal fabrications shall include, but is not limited to;
 - 1. Concrete inserts
 - 2. Ladders
 - 3. Metal gratings
 - 4. Metal tread plate
 - 5. Preformed channel pipe supports
 - 6. Miscellaneous metals
 - 7. Associated accessories to the above items

1.02 RELATED REQUIREMENTS

- A. State of California, Department of Transportation (Caltrans) Standard Specifications, Most Recent Edition
- B. American Association of State Highway and Transportation Officials (AASHTO):
 - 1. Standard Specifications for Highway Bridges.
- C. American Concrete Institute (ACI):
 - 1. ACI 355.2 – Qualification of Post Installed Mechanical Anchors in Concrete.
 - 2. ACI 355.4 – Qualification of Post Installed Adhesive Anchors in Concrete.
- D. American Institute of Steel Construction:
 - 1. Manual of Steel Construction - Allowable Stress Design
- E. Aluminum Association (AA):
 - 1. DAF-45: Designations from Start to Finish:

Metal**Article 36.02**

a. M12-C22-A41.

F. ASTM International (ASTM):

1. ASTM-A6 - Standard Specification for General Requirements for Rolled Structural Steel Bars, Plates, Shapes, and Sheet Piling.
2. A 36 - Standard Specification for Carbon Structural Steel.
3. A 48 - Standard Specification for Gray Iron Castings.
4. A 53 - Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded, and Seamless.
5. A 108 - Standard Specification for Steel Bar, Carbon and Alloy, Cold Finished.
6. A 123 - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.
7. A 153 - Standard Specification Zinc Coating (Hot-Dip) on Iron and Steel Hardware.
8. A 167 - Standard Specification for Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet and Strip.
9. A 193 - Standard Specification for Alloy Steel and Stainless Steel Bolting Materials for High Temperature or High Pressure Service and other Special Purpose Applications.
10. A 194 - Standard Specification for Carbon and Alloy Steel Nuts for Bolts for High Pressure or High Temperature Service, or Both.
11. A 276 - Standard Specification for Stainless Steel Bars and Shapes.
12. A 307 - Standard Specification for Carbon Steel Bolts and Studs, 60,000 PSI Tensile Strength.
13. A 325 - Standard Specification for Structural Bolts, Steel, Heat Treated, 120/105 ksi Minimum Tensile Strength.
14. A 380 - Standard Practice for Cleaning, Descaling, and Passivation of Stainless Steel Parts, Equipment, and Systems.
15. A 384 Standard Practice for Safeguarding Against Warpage and Distortion During Hot-Dip Galvanizing of Steel Assemblies.
16. A 489 - Standard Specification for Carbon Steel Lifting Eyes.

Metal**Article 36.02**

17. A 490 - Standard Specification for Structural Bolts, Alloy Steel, Heat-Treated, 150 ksi Minimum Tensile Strength.
18. A 500 - Standard Specification for Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes.
19. A 501 - Standard Specification for Hot-Formed Welded and Seamless Carbon Steel Structural Tubing.
20. A 563 - Standard Specification for Carbon and Alloy Steel Nuts.
21. A 575 - Standard Specification for Steel Bars, Carbon, Merchant Quality, M-Grades.
22. A 653 - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
23. A 786 - Standard Specification for Hot-Rolled Carbon, Low Alloy, HighStrength Low Alloy and Alloy Steel Floor Plates.
24. A 992 - Standard Specification for Structural Steel Shapes.
25. A 1008 - Standard Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High Strength Low Alloy, High Strength Low Alloy with Improved Formability, Solution Hardened, Bake Hardenable.
26. A 1011 - Standard Specification for Steel, Sheet and Strip, Hot-Rolled Carbon, Structural, High Strength Low Alloy and Ultra-High Strength, and High Strength Low Alloy with Improved Formability
27. B 98 - Standard Specification for Copper-Silicon Alloy Rod, Bar, and Shapes.
28. B 209 - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate.
29. B 221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles and Tubes.
30. B 308 - Standard Specification for Aluminum-Alloy 6061-T6 Standard Structural Profiles.
31. B 429 - Standard Specification for Aluminum-Alloy Extruded Structural Pipe and Tube.
32. B 695 - Standard Specification for Coatings of Zinc Mechanically Deposited on Iron and Steel.
33. C 633 – Standard Test Method for Adhesion or Cohesion Strength of Thermal Spray Coatings.

Metal**Article 36.02**

- 34. E 140 – Hardness Conversion Tables for Metals
 - 35. E 384 – Micro Hardness of Materials
 - 36. F 593 – Standard Specification for Stainless Steel Bolts, Hex Cap Screws, and Studs
 - 37. F 594 – Standard Specification for Stainless Steel Nuts
 - 38. F 1554 – Standard Specification for Anchor Bolts, Steel, 36, 55, and 105-ksi Yield Strength
 - 39. F 593 - Standard Specification for Stainless Steel Bolts, Hex Cap Screws and Studs.
 - G. American Welding Society (AWS):
 - 1. A2.4 - Standard Symbols for Welding, Brazing, and Nondestructive Examination.
 - 2. ANSI/AWS D1.1- Structural Welding Code - Steel.
 - 3. ANSI/AWS D1.2 - Structural Welding Code - Aluminum.
 - 4. ANSI/AWS QC1 - Qualification and Certification of Welding Inspectors.
 - H. National Fire Protection Association (NAFP):
 - 1. NFPA 101 - Life Safety Code.
 - I. National Association of Architectural Metal Manufacturers (NAAMM):
 - 1. Metal Finishes Manual.
 - 2. Metal Stairs Manual.
 - J. National Association of Corrosion Engineers (NACE)
 - 1. Coating Inspector Program (CIP)
 - K. Occupational Safety and Health Administration (OSHA).
 - L. Where reference is made to one of the above standards, the revision in effect at the time of bid opening shall apply.
- 1.03 SUBMITTALS
- A. All submittals shall be in accordance with the Standard Provisions.
 - B. Product Data:

Metal**Article 36.02**

1. Metal grating.
- C. Shop drawings:
 1. Shop Drawings - Shop drawings of all miscellaneous metalwork shall be submitted to the Engineer for review.
 2. Ladders.
 3. Metal grating.
 - a. Layout drawings for grating shall be submitted showing the direction of span, type and depth, size and shape of panels, seat angle details, and details of hold down fasteners. Load and deflection tables shall be submitted for each style and depth of grating used.
 4. Metal tread plate.
 5. Miscellaneous metals.
- D. Quality control submittals:
 1. Design data.
 2. Test reports:
 - a. Gratings:
 - (1) Grating manufacturers' calculations showing that gratings will meet specified design load, stress, and deflection requirements for each size grating for each span.
 - (2) Reports of tests performed.

1.04 MEASUREMENT AND PAYMENT

- A. Unless noted otherwise, full compensation for Work involved in complying with all requirements per this Article as shown on the Drawings, as specified in these Specifications, and as directed by the Engineer shall be considered incidental and included in the Contract Price(s) paid for the various items of Work involved; no additional time shall be allowed or payment made.

1.05 QUALITY ASSURANCE

- A. The work of this Section shall be completely coordinated with the work of other Sections. Verify, at the site, both the dimensions and work of other trades adjoining items of work in this Section before fabrication and installation of items herein specified.

Metal**Article 36.02**

- B. Furnish to the pertinent trades all items included under this Section that are to be built into the work of other Sections.
- C. All welding shall be performed by qualified welders and shall conform to the applicable AWS welding code. Welding of steel shall conform to AWS D1.1 and welding of aluminum shall conform to AWS D1.2.
- D. All welding procedures and welder qualifications shall be available in the Contractor's field office for Engineer's review.
- E. All welding shall be inspected by a District provided inspector qualified in accordance with AWS requirements and approved by the Engineer.
- F. Unless otherwise directed by the Engineer, the Contractor shall provide the services of an independent NACE certified coating inspector. The cost of such work, except as specifically stated otherwise, shall be paid by the Contractor. All shop applied coatings shall be inspected by an inspector, qualified in accordance with NACE requirements and approved by the Engineer.
- G. Testing and inspection of concrete anchor installation shall be performed in accordance with Chapter 17 of the CBC.
- H. On-site testing shall be paid for by the Contractor unless otherwise specified.
- I. The Special Inspector shall keep a record of inspections and furnish inspection reports to the Engineer. The reports shall indicate that work inspected was performed in conformance with the Contract Documents. Discrepancies shall be brought to the immediate attention of the Contractor for correction. A final report of inspections documenting required special inspections and correction of any discrepancies noted in the inspection reports shall be submitted periodically at a frequency agreed upon at the start of the work.
- J. Testing shall be required as outlined below in addition to that specified in Chapter 17 of the 2010 California Building Code, unless specific testing requirements are provided in other Sections.
 - 1. Anchors for Piping, Ducts, and Conduit. A minimum of 10% of the anchors installed in concrete shall be tested in tension for 160% of the allowable tension. Anchors that fail the test shall be removed and replaced. In addition, the testing shall be expanded to all anchors installed on the same day as the failed anchor by the same crew.
 - 2. Anchors of Other Components and Nonstructural items. A minimum of 20% of the anchors installed in concrete shall be tested in tension for 160% of the allowable tension. Anchors that fail the test shall be removed and replaced. In addition, the testing shall be expanded to all anchors installed on the same day as the failed anchor by the same crew. Major pieces of equipment shall have a minimum of two anchor bolt tension tests.

Metal**Article 36.02****1.06 DELIVERY, STORAGE AND HANDLING**

- A. Deliver items to be incorporated into the work of other trades in sufficient time to be checked prior to installation.
- B. Items damaged during transit, inadequate storage, improper handling, or corroded shall be repaired, at the Contractor's expense, to the satisfaction of the Engineer prior to incorporating them into the work.

1.07 PROJECT/SITE REQUIREMENTS

- A. Field measurements shall be taken at the site, prior to fabrication of items, to verify or supplement indicated dimensions and to ensure proper fitting of all items.

PART 2 PRODUCTS**2.01 MATERIALS**

- A. The use of manufacturer's name and model or catalog number is for the purpose of establishing the standard of quality and general configuration desired.
- B. Like items of materials shall be the end products of one manufacturer in order to provide standardization for appearance, maintenance and manufacturer's service.
- C. General: Unless otherwise specified or indicated on the Drawings, structural and miscellaneous metals in accordance with the standards of the ASTM, including the following:

Item	ASTM Standard No.	Class, Grade Type or Alloy No.
Steel		
Galvanized sheet iron or steel	A 653	Coating G90
Coil (plate)	A 635	--
Structural plate, bars, rolled shapes, and miscellaneous items (except W shapes).	A 36	--
Rolled W shapes	A 992	Grade 50
Standard bolts, nuts, and washers	A 307	--
High strength bolts, nuts, and hardened flat washers	A 325 A 490	--
Eyebolts	A 489	Type 1
Tubing, cold-formed	A 500	--
Tubing, hot-formed	A 501	--

Metal**Article 36.02**

Item	ASTM Standard No.	Class, Grade Type or Alloy No.
Steel pipe	A 53	Grade B
Stainless Steel		
Plate, sheet, and strip	A 240	Type 304* or 316**
Bars and shapes	A 276	Type 304* or 316**
Bolts (Type 304)	F593	Group 1 Condition CW
Bolts (Type 316)	F593	Group 2 Condition CW
Aluminum		
Flashing sheet aluminum	B 209	Alloy 5005-H14, 0.032 inches minimum thickness
Structural sheet aluminum-	B 209	Alloy 6061-T6
Structural aluminum	B 209 B 308	Alloy 6061-T6
Extruded aluminum	B 221	Alloy 6063-T42
* Use Type 304L if material will be welded. ** Use Type 316L if material will be welded.		

1. Stainless steels are designated by type or series defined by ASTM.
2. Where stainless steel is welded, use low-carbon stainless steel.

2.02 MANUFACTURED UNITS**A. Ladders:**

1. General:
 - a. Type: Safety type conforming to local, State, and OSHA standards as minimum. Furnish guards for ladder wells.
 - b. Size: 18 inches wide between side rails of length, size, shape, detail, and location indicated on the Drawings.
2. Aluminum ladders:
 - a. Materials: 6063-T5 aluminum alloy.
 - b. Rungs:
 - (1) 1-inch minimum solid square bar with 1/8-inch grooves in top and deeply serrated on all sides.
 - (2) Capable of withstanding 1,000 pound load without failure.
 - c. Side rails: Minimum 4-inch by 1/2-inch flat bars.

Metal**Article 36.02**

- d. Finish of aluminum components:
 - (1) Anodized finish, 0.7 mil thick, applied to exposed surfaces after cutting. Aluminum Association Specification M12-C22-A41, mechanical finish non specular as fabricated, chemical finish-medium matte, anodic coating-clear Class I Architectural.
 - (2) Pretreat aluminum for cleaning and removing markings before anodizing.
- e. Fabrication:
 - (1) Welded construction, of size, shape, location, and details indicated on the Drawings.
 - (2) For ladders over 20 feet high, furnish standard ladder cages or fall prevention system designed in accordance with State and OSHA requirements.

B. Metal gratings:

- 1. General: Metal grating shall be of the design, sizes and types indicated. Grating shall be completely banded at all edges and cutouts using material and cross section equivalent to the bearing bars. Such banding shall be welded to each cut bearing bar. Support members shall support grating on all sides of an opening. Where grating is supported on concrete, embedded support angles matching grating material shall be used on all sides, unless shown otherwise. Such angles shall be mitered and welded at corners.
- 2. All pieces of grating shall be securely fastened in two locations to each support. Grating clips, fasteners, anchors, bolts, nuts, and washers for grating and supports shall be Type 304 or Type 316 stainless steel.
- 3. Where grating forms the landing at the top of a stairway, the edge of the grating, which forms the top riser, shall have an integral non-slip nosing, width equal to that of the stairway.
- 4. Where grating depth is not given, grating shall be provided which will be within allowable stress levels, and which shall not exceed a deflection of 1/4 inch or the span divided by 180, whichever is less. For standard duty and safety grating, the loading to be used for determining stresses and deflections shall be the uniform live load of the adjacent floor or 100-psf, whichever is greater or a concentrated load of 1000 pounds. For heavy duty grating, the loading used for determining stresses and deflections shall be AASHTO HS- 20.

Metal**Article 36.02**

5. At a minimum, grating bars shall be I-bar configuration and be spaced at 1-3/16-inches on center. Crossbars shall be spaced at 4-inches on center, unless otherwise noted.
6. Grating cross bars shall be attached to the bearing bars with interlocked swaged joints having no exposed welding.
7. Openings 2-inch or greater in diameter/dimension and grating edges shall be banded with a bar of the same depth and thickness as the bearing bars. Cut bearing or cross bars shall be welded to the banding bar.
8. Unless otherwise designated by the Engineer, the maximum weight of each grating section shall be 80-pounds.
9. General:
 - a. Fabricate grating to cover areas indicated on the Drawings.
 - b. Unless otherwise indicated on the Drawings, grating over an opening shall cover entire opening.
 - c. Make cutouts in grating where required for equipment access or protrusion, including valve operators or stems, and gate frames.
 - d. Band ends of grating and edges of cutouts in grating:
 - (1) End banding: 1/4 inch less than height of grating, with top of grating and top edge of banding flush.
 - (2) Cutout banding: Full-height of grating.
 - (3) Use banding of same material as grating.
 - (4) Panel layout: Enable installation and subsequent removal of grating around protrusions or piping.
 - (5) Openings 6 inches and larger: Lay out grating panels with edges of 2 adjacent panels located on centerline of opening.
 - (6) Openings smaller than 6 inches: Locate opening at edge of single panel.
 - (7) Where an area requires more than 1 grating section to cover area, clamp adjacent grating sections together at 1/4-points with fasteners acceptable to Engineer.
 - (8) Fabricate steel grating sections in units weighing not more than 50 pounds each.

Metal**Article 36.02**

- (9) Fabricate aluminum grating sections in units of weighing not more than 50 pounds each.
 - e. When requested by Engineer, test 1 section of each size grating for each span length involved on the job under full load:
 - (1) Furnish a suitable dial gauge for measuring deflections.
 - f. Grating shall be aluminum, unless otherwise specified or indicated on the Drawings.
- 10. Aluminum grating:
 - a. Material for gratings, shelf angles, and rebates: 6061-T6 or 6063-T6 aluminum alloy, except crossbars may be 6063-T5 aluminum alloy.
 - b. Shelf angle concrete anchors: Type 304 or Type 316 stainless steel.
 - c. Grating rebate rod anchors: 6061-T6 or 6063-T6 aluminum alloy.
 - d. Bar size and spacing: As determined by manufacturer to enable grating to support design load.
 - e. Design live load: A minimum of 100 pounds per square foot uniform live load on entire grating area, but not less than the live load indicated on the Drawings for the area where grating is located.
 - f. Maximum fiber stress for design load: 12,000 pounds per square inch.
 - g. Maximum deflection due to design load: 1/240 of grating clear span.
 - h. Maximum spacing of main grating bars: 1-1/8 inches clear between bars.
 - i. Minimum grating height: 1-1/2 inches.
 - j. Manufacturers: One of the following or equal:
 - (1) IKG Borden Industries, grooved aluminum I-bar.
 - (2) Brodhead Steel Products, Inc., grooved aluminum I-bar.
- 11. Aluminum grating planks:

Metal**Article 36.02**

- a. Materials: Meet requirements previously specified for aluminum grating.
 - b. Fabrication:
 - (1) Meet requirements previously specified for aluminum grating.
 - c. Have unpunched surface with cross hatched anti-skid surface.
 - d. Minimum weight of 3-1/4 pounds per square foot.
 - e. Provide 1 inch diameter hole with smooth edges at each end for each plank.
 - f. Furnish planks in 2 foot widths.
 - g. Manufacturers: One of the following or equal:
 - (1) IKG, Heavy Duty Aluminum Plank Grating HD-P.
 - h. Planks shall not lock with adjacent planks allowing the removal of individual planks without disturbing the adjacent planks.
12. Steel gratings:
- a. Hot-dip galvanized in accordance with ASTM A 123.
 - b. Bar size and spacing: As determined by the manufacturer to support design load.
 - c. Design live load: A minimum of 100 pounds per square foot uniform live load on the entire area of the grating area, but not less than the live load indicated on the Drawings for the area where the grating is located.
 - d. Maximum fiber stress for design load: 18,000 pounds per square inch.
 - e. Maximum deflection under design load: 1/240 of grating clear span.
 - f. Bar spacing: Maximum of 1-1/8 inches clear between bars.
 - g. Manufacturers: One of the following or equal:
 - (1) IKG Borden Industries, IKG Weldforged.
 - (2) Brodhead Steel Products, Inc., Type 19 W 4.

Metal**Article 36.02**

13. Heavy-duty steel grating:

- a. Heavy-duty type, fabricated from structural steel and designed in accordance with AASHTO Standard Specifications for Highway Bridges, using H-20 loading.
- b. Hot-dip galvanized after fabrication in accordance with ASTM A 123.
- c. Manufacturers: One of the following or equal:
 - (1) Reliance Steel Products Company, Heavy-Duty Steel Grating.
 - (2) Seidelhuber Metal Products, Inc., equivalent product.

C. Metal tread plate:

1. Plate having a raised figured pattern on 1 surface to provide improved traction.

D. Miscellaneous aluminum:

1. Fabricate aluminum products, not covered separately in this Section, in accordance with the best practices of the trade and field assemble by riveting or bolting.
2. Do not weld or flame cut.
3. All miscellaneous metal work shall be formed true to detail, with clean, straight, sharply defined profiles and smooth surfaces of uniform color and texture and free from defects impairing strength or durability. Holes shall be drilled or punched. Edges shall be smooth and without burrs. Fabricate supplementary pieces necessary to complete each item though such pieces are not definitively shown or specified.
4. Connections and accessories shall be of sufficient strength to safely withstand the stresses and strains to which they will be subjected. Exposed joints shall be close fitting and jointed where least conspicuous. Threaded connections shall have the threads concealed where practical. Welded connections shall have continuous welds or intermittent welds as specified or shown. The face of welds shall be dressed flush and smooth. Welding shall be on the unexposed side as much as possible in order to prevent pitting or discoloration of the aluminum-exposed surface. Provide holes for temporary field connections and for attachment of the work of other trades.
5. Miscellaneous aluminum items shall include: beams, angles, posts, closure angles, grates, floor plates, stop plates, stair nosing, and any

Metal**Article 36.02**

other miscellaneous aluminum called for on the Drawings and not otherwise specified.

6. Angle frames for hatches, beams, grates, etc, shall be complete with welded strap anchors attached.
7. Stair treads for aluminum stairs shall have abrasive non-slip nosing as approved.

E. Miscellaneous stainless steel:

1. All miscellaneous metal work shall be formed true to detail, with clean, straight, sharply defined profiles and smooth surfaces of uniform color and texture and free from defects impairing strength or durability. Holes shall be drilled or punched. Edges shall be smooth and without burrs. Fabricate supplementary pieces necessary to complete each item though such pieces are not definitively shown or specified.
2. Connections and accessories shall be of sufficient strength to safely withstand the stresses and strains to which they will be subjected. Exposed joints shall be close fitting and jointed where least conspicuous. Threaded connections shall have the threads concealed where practical. Welded connections shall have continuous welds or intermittent welds as specified or shown. The face of welds shall be dressed flush and smooth. Provide holes for temporary field connections and for attachment of the work of other trades.
3. Miscellaneous stainless steel items shall include: beams, angles, bar racks and any other miscellaneous stainless steel called for on the Drawings and not otherwise specified.
4. Provide miscellaneous stainless steel items not specified in this Section as indicated on the Drawings or specified elsewhere:
 - a. Fabricate and install in accordance with the best practices of the trade.
5. Cleaning and passivation:
 - a. Following shop fabrication of stainless steel members, clean and passivate fabrications.
 - b. Finish requirements: Remove free iron, heat tint oxides, weld scale and other impurities, and obtain a passive finished surface.
 - c. Provide quality control testing to verify effectiveness of cleaning agents and procedures and to confirm that finished surfaces are clean and passivated:

Metal**Article 36.02**

- (1) Conduct sample runs using test specimens with proposed cleaning agents and procedures as required to avoid adverse effects on surface finishes and base materials.
 - d. Pre-clean, chemically descale (pickle), and final clean fabrications in accordance with the requirements of ASTM A 380 to remove deposited contaminants before shipping:
 - (1) Passivation by citric acid treatment is not allowed:
 - (a) If degreasing is required before cleaning to remove scale or iron oxide, cleaning (pickling) treatments with citric acid are permissible; however, these treatments shall be followed by inorganic cleaners such as nitric-hydrofluoric acid.
 - (2) Provide acid descaling (pickling) in accordance with Table A1.1 of Annex A1 of ASTM A 380.
 - (3) After pickling, final cleaning of stainless steel shall conform to Part II of Table A2.1 of Annex A2 of ASTM A 380.
 - e. After cleaning, inspect using methods specified for “gross inspection” in ASTM A 380.
 - f. Improperly or poorly cleaned and passivated materials shall not be shipped and will not be accepted at the job site.
- F. Miscellaneous structural steel:
 - 1. Provide miscellaneous steel items not specified in this Section as indicated on the Drawings or specified elsewhere:
 - a. Fabricate and install in accordance with the best practices of the trade.
 - 2. All miscellaneous metal work shall be formed true to detail, with clean, straight, sharply defined profiles and smooth surfaces of uniform color and texture and free from defects impairing strength or durability. Holes shall be drilled or punched. Edges shall be smooth and without burrs. Fabricate supplementary pieces necessary to complete each item though such pieces are not definitively shown or specified.
 - 3. Connections and accessories shall be of sufficient strength to safely withstand the stresses and strains to which they will be subjected. Exposed joints shall be close fitting and jointed where least conspicuous. Threaded connections shall have the threads concealed where practical. Welded connections shall have continuous welds or intermittent welds as specified or shown. The face of welds shall be dressed flush and smooth.

Metal**Article 36.02**

Provide holes for temporary field connections and for attachment of the work of other trades.

4. Miscellaneous steel items shall include: beams, angles, lintels, metal stairs, support brackets, base plates for other than structural steel or equipment, closure angles, monorail hoist beams, hold down straps and lugs, door frames, splice plates, sub framing at roof openings and any other miscellaneous steel called for on the Drawings and not otherwise specified.
5. Steel pipe pieces for sleeves, lifting attachments and other functions shall be Schedule 40 pipe unless otherwise shown on the Drawings. Wall and floor sleeves, of steel pipe, shall have welded circumferential steel waterstops at mid-length.
6. All steel finish work shall be thoroughly cleaned, by effective means, of all loose mill scale, rust and foreign matter and shall be given one shop coat of primer compatible with the finish coat after fabrication but before shipment. Paint shall be omitted within 3-in of proposed field welds. Paint shall be applied to dry surfaces and shall be thoroughly and evenly spread and well worked into joints and other open spaces.
7. Galvanizing, where required, shall be the hot-dip zinc process after fabrication. Coating shall be not less than 2 oz/sq ft of surface.

G. MISCELLANEOUS FRAMING AND SUPPORTS

1. Provide miscellaneous metal framing, supports, and other metal items required, including framing for architectural infill panels, which are not a part of the structural steel framework but are required to complete the Work.
2. Fabricate miscellaneous units to the sizes, shapes, and profiles shown or, if not shown, of the required dimensions to receive adjacent grating, plates, tanks, doors, or other work to be retained by the framing. Except as otherwise shown, fabricate from structural shapes, plates, and bars, of all welded construction using mitered corners, welded brackets and splice plates and a minimum number of joints for field connection. Cut, drill, and tap units to receive hardware and similar items to be anchored to the Work.
3. Equip units with integrally welded anchors for casting into concrete. Furnished inserts for units must be installed after concrete is placed.
4. Except as otherwise shown, space anchors, 24-inches on center, and provide units equivalent of 1¼-inch by 1¼-inch by 8-inch strips.
5. Galvanize all miscellaneous framing and supports.

Metal**Article 36.02****H. BOLTS AND ANCHORS**

1. Standard Service (Non-Corrosive Application): Unless otherwise indicated, bolts, anchor bolts, washers, and nuts shall be steel, galvanized after fabrication as indicated herein. Threads on galvanized bolts and nuts shall be formed with suitable taps and dies such that they retain their normal clearance after hot-dip galvanizing. Except as otherwise indicated, steel for bolts, anchor bolts and cap screws shall be in accordance with the requirements of ASTM A307, Grade A.
2. All bolted connections for aluminum members shall be stainless steel.
3. Unless otherwise indicated, stainless steel bolts, anchor bolts, nuts, and washers shall be Type 316 stainless steel, class 2, conforming to ASTM A276. All threads on stainless steel bolts shall be protected with an anti-seize lubricant suitable for submerged stainless
4. Bolt Requirements:
 - a. The bolt and nut material shall be free-cutting steel.
 - b. The nuts shall be capable of developing the full strength of the bolts. Threads shall be Coarse Thread Series conforming to the requirements of the American Standard for Screw Threads. All bolts and cap screws shall have hexagon heads and nuts shall be Heavy Hexagon Series.
 - c. All bolts and nuts shall be installed with washers fabricated of material matching the base material of bolts, except that hardened washers for high strength bolts shall conform to the requirements of the AISC Specification. Lock washers shall be installed with washers where indicated and shall be fabricated of material matching the bolts.
 - d. The length of all bolts shall be such that after joints are made up, each bolt shall extend through the entire nut, but in no case more than 1/2-inch beyond the nut.
5. Cast-in-Place Anchor Bolts – Unless otherwise indicated, the embedded end of the anchor bolt shall be either headed or with nut and washer. Threaded dimensions for the cast-in headed studs and/or headed bolts, prior to zinc coating, shall conform to the requirements of ANSI/ASME B1.1 having Class 2A tolerances (ANSI/ASME Standard B1.13M Grade 6g). Use of hooked bolts (J-bolts and L-bolts) in lieu of headed studs/bolts is not permissible.
 - a. Equipment subject to vibration e.g., pumps, motors, generators, etc. shall be anchored by means of cast-in-place anchor bolts.

Metal**Article 36.02**

Anchor bolt layout shall be by means of a template obtained from the equipment manufacturer or supplier.

6. Adhesive Anchors - Unless otherwise indicated, all adhesive anchors for installation in concrete shall have satisfied the requirements of the Simulated Seismic Tests of ACI 355.4. No substitutions will be considered unless accompanied with ICC-ES report verifying strength and material equivalency and compliance with ACI 355.4.
 - a. Adhesive anchors shall be Hilti HIT-RE 500-SD adhesive anchors, Simpson SET-XP epoxy adhesive anchors, or equal.
 - b. Adhesive anchors shall not be used for overhead installations (i.e. installations at the underside of concrete slabs).
7. Expansion (Wedge) Anchors – Unless otherwise indicated all expansion anchors for installation in concrete shall have satisfied the requirements of the Simulate Seismic Tests of ACI 355.2. Expansion Anchors shall be zinc plated carbon steel wedge type anchors complete with nuts and washers. Type 316 stainless steel, wedge type anchors shall be used where they will be submerged or exposed to the weather or where stainless steel wedge type anchors are required. When the length or embedment of the bolt is not noted on the Drawings, provide length sufficient to place the wedge and expansion sleeve portion of the bolt at least 1-inch behind the concrete reinforcing steel.
 - a. Expansion anchors shall be Hilti Kwik Bolt TZ anchors, Simpson Strong-Bolt Wedge anchors, or equal.
 - b. Lead caulking anchors will not be permitted.
 - c. Expansion type anchors shall not be used with equipment subject to vibration e.g., pumps, motors, etc.

PART 3 EXECUTION**3.01 EXAMINATION**

- A. Verification of conditions:
 1. Examine work in place to verify that it is satisfactory to receive the work of this Section.
 2. If unsatisfactory conditions exist, do not begin this work until such conditions have been corrected.

Metal**Article 36.02****3.02 INSTALLATION**

- A. Fabrication and Erection: Except as otherwise indicated, the fabrication and erection of structural steel shall conform to the requirements of the American Institute of Steel Construction "Manual of Steel Construction."
- B. All steel surfaces that come into contact with exposed concrete shall receive a protective coating of an approved heavy bitumastic troweling mastic applied in accordance with the manufacturer's instructions prior to installation.
- C. Where aluminum contacts a dissimilar metal, apply a heavy brush coat of zinc-chromate primer followed by two coats of aluminum metal and masonry paint to the dissimilar metal.
- D. Where aluminum contacts concrete/masonry, apply one coat of TT-P-645B zincmolybdate primer or a heavy coat of approved alkali resistant bituminous paint to the aluminum or concrete/masonry.
- E. Between aluminum grating, aluminum tread plate, aluminum stair treads, or aluminum handrail brackets and steel supports, insert 1/4-in thick neoprene isolator pads, 85 plus or minus 5 Shore-A-Durometer, sized for full width and length of bracket or support.
- F. General: Install products as indicated on the Drawings, and in accordance with shop drawings and manufacturer's printed instructions, as applicable except where specified otherwise.
- G. Ladders:
 - 1. Secure to supporting surface with bent plate clips providing minimum 8 inches between supporting surface and center of rungs.
 - 2. Where exit from ladder is forward over top rung, extend side rails 3 feet 3 inches minimum above landing, and return the rails with a radius bend to the landing.
 - 3. Where exit from ladder is to side, extend ladder 5 feet 6 inches minimum above landing and rigidly secure at top.
 - 4. Erect rail straight, level, plumb, and true to position indicated on the Drawings:
 - a. Correct deviations from true line or grade which are visible to the eye.
- H. Metal gratings:
 - 1. General:

Metal**Article 36.02**

- a. Allow 1/8-inch maximum clearance between ends of grating and inside face of vertical leg of shelf angles.
 - b. Horizontal bearing leg of shelf angles shall be 2 inches minimum.
 - c. Install aluminum plate or angles where necessary to fill openings at changes in elevation and at openings between equipment and grating.
 - d. Install angle stops at ends of grating.
 - e. Installed grating shall not slide out of rebate or off support.
 - f. Weld stops in place, unless otherwise specified or indicated on the Drawings.
 - g. Top surfaces of grating sections adjacent to each other shall lie in same plane.
- 2. Aluminum grating:
 - a. Coat surfaces of aluminum shelf angles, rebates, and rod anchors in contact with concrete as specified in Section 09960.
 - b. Aluminum grating: Support on aluminum shelf angles or rebates.
- 3. Aluminum grating planks:
 - a. Support and install planks as specified for aluminum grating.
- I. Stainless Steel:
 - 1. Welding:
 - a. Passivate field-welded surfaces:
 - (1) Provide cleaning, pickling and passivating as specified in this Section.
 - (2) Clean using Derustit Stainless Steel Cleaner, or equal.
- J. DRILLED ANCHORS
 - 1. Drilled anchors and reinforcing bars shall be installed in strict accordance with the manufacturer's instructions.
 - 2. Holes shall be roughened with a brush on a power drill, cleaned and dry.
 - 3. Adhesive anchors shall not be loaded until the adhesive has reached its indicated strength in accordance with the manufacturer's instructions.

Metal

Article 36.02

4. Expansion anchors shall be checked for tightness a minimum of 24 hours after initial installation. Install anchors using the manufacturer's recommended drive units and adapters and in compliance with the manufacturer's recommendations.

END OF ARTICLE