



August 2, 2007

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NACIMIENTO WATER PROJECT
 ADDENDUM NO. 02
 for
 NWP FACILITIES
 CONTRACT NO. 300187.08-02
 SPECIFICATION No. 02

Provided status of easement acquisition.
 Added summary of work items for turnouts, and issued Drawings for turnouts.
 Revised establishment period for landscaping.
 Modified motor efficiencies for pumps.
 Provided pothole data.
 Added Section 10400, "Identifying Devices."
 Miscellaneous changes and clarifications to the Specifications and Drawings.

 Noel King
 Director of Public Works

 John R. Hollenbeck, P.E.
 Nacimiento Project Manager

ACKNOWLEDGMENT

BIDDER shall submit this ACKNOWLEDGMENT as indicated below if this Addendum was received by any delivery service other than Certified Mail return receipt requested, or Other Express Service.

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NWP NACIMIENTO WATER PROJECT

San Luis Obispo County Flood Control & Water Conservation District

CONTRACT NO. 300187.08.02
Specification 02

ADDENDUM

DATE:	August 1, 2007
PROJECT:	NWP Facilities
ADDENDUM NO.:	2
BID OPENING:	August 16, 2007



08/01/07

NOTICE TO ALL BIDDERS SUBMITTING BIDS AND TO ALL PLANHOLDERS:

You are hereby notified of the following changes, clarifications or modifications to the Contract Documents. This addendum shall supersede the original Contract Documents and previous addenda. In the event this addendum contradicts the original Contract Documents and previous addenda, this addendum shall take precedence. All other provisions of the Contract Documents shall remain unchanged.

BIDDERS shall acknowledge receipt of this addendum in the appropriate space provided in the Bid Forms.

A. CHANGES AND/OR CLARIFICATIONS TO DIVISION 0 - BIDDING AND CONTRACT REQUIREMENTS

1. Section 00100, Instructions to Bidders, Article 6, Page 4; make the following revisions:

Article 6.3: Change "enclosed Certificate of Authority" to "BIDDER-supplied Certificate of Authority"

Article 6.4: Change “enclosed Certificate of Authority” to “BIDDER-supplied Certificate of Authority”

Article 6.5: Change “enclosed Certificate of Authority” to “BIDDER-supplied Certificate of Authority”

2. Section 00700, Paragraph 14.3.D; add the following to the end of the first paragraph:

“Materials of like kind in large quantities and related appurtenant components that will be incorporated in the WORK will be eligible for payment, if considered eligible by the ENGINEER, even though a single item of said material has a value of less than \$5,000.”

3. In the Table of Contents for all Parts, delete Section 09725, "Seamless Floor Covering".

4. In the Table of Contents of all Parts, add to the end of APPENDIX F:
“Pothole Data”

B. CHANGES AND/OR CLARIFICATIONS TO DIVISION 1 – GENERAL REQUIREMENTS

1. Section 01010, “Summary of Work,” Page 7, Article 12; replace the existing Article 12 with the following:

“12. UNEXPLODED ORDNANCE (UXO) DETECTION AND AVOIDANCE ON CAMP ROBERTS: The Camp Roberts Tank will be constructed on Camp Roberts as indicated on the Drawings. All of the CONTRACTOR’S personnel working on Camp Roberts shall attend a mandatory briefing on UXO protocols provided by Camp Robert’s Range Control. There may be UXO, including 60 mm, 81mm, and 105 mm projectiles, which could cause damage to equipment and personnel. Other UXO could include bullets, grenades, fares, and other such devices common for a military installation. CONTRACTOR shall inspect areas prior to conducting any excavation activity in these areas and use caution when excavating. In the event that any UXO is encountered, the CONTRACTOR shall cease operations and notify the ENGINEER and Range Control at Camp Roberts, and allow properly trained Explosive Ordnance Disposal (EOD) personnel to remove the device at that location.

CONTRACTOR shall perform surface sweeps and subsurface detection of ordnance for all of the WORK on Camp Roberts’ property. UXO detection services shall be performed by a firm with qualified and experienced

individuals specially trained for clearing UXO as expected on Camp Roberts; acceptable firms are UXB International, Inc.; or equal.

- Surface Clearance. A surface clearance (sweep) of UXO shall be conducted by a qualified team of UXO personnel of the area contained within the temporary construction easements shown on the Drawings. Camp Roberts Range Control shall be contacted when any items are discovered. If an item is encountered, immediately notify the ENGINEER and Camp Roberts staff.
 - Geophysical Subsurface Detection. In the area of construction activity and specifically tank and pipeline trench excavation, perform subsurface investigations using geophysical methods to detect and map subsurface geophysical anomalies. Promptly notify ENGINEER and Camp Roberts Range Control of any anomalies. Suspect anomalies shall be mapped and coordinates provided for each item.
 - Construction Support. Provide UXO construction support when the depths of penetration of suspect ordnance items exceed the depth of detection. Once anomaly detection has been completed to a depth of 4 feet using the subsurface geophysical methods, excavate the trench to that depth over a reasonable distance. The UXO construction support team shall then re-survey the excavated areas maintaining a safe working distance ahead of the construction operations.”
2. Section 01010, “Summary of Work”, Page 2, in the middle of the page, between the 3rd and 4th bulleted items, insert the following new items:
- Unit T2 - Paso Robles Turnout, including furnishing and installing panels CP-1, CP-2, SP-1; providing all interconnecting wiring and terminations; fiber optic communication network; configuration services; interconnection and loop diagrams; field inspection; and startup and testing.
 - Unit T4 – TCSD Turnout, including furnishing and installing panels CP-1, CP-2, SP-1; providing all interconnecting wiring and terminations; fiber optic communication network; configuration services; interconnection and loop diagrams; field inspection; and startup and testing.
 - Unit T6 - AMWC Turnout, including furnishing and installing panels CP-1, CP-2, SP-1; providing all interconnecting wiring and terminations; fiber optic communication network; configuration services; interconnection and loop diagrams; field inspection; and startup and testing.

- Unit T11 - San Luis Obispo Turnout, including furnishing and installing panels CP-1, CP-2, SP-1; providing all interconnecting wiring and terminations; fiber optic communication network; configuration services; interconnection and loop diagrams; field inspection; and startup and testing.”
3. Section 01010, “Summary of Work”, Paragraph 4.3, Page 4; add the following new paragraph after the existing paragraph:

“In addition, CONTRACTOR and SYSTEM SUPPLIER shall coordinate their activities with the construction activities being performed at the turnouts under DISTRICT Contract 300187.08.04 Pipeline Central and Contract 300187.08.05 Pipeline South. Coordination shall include, but not be limited to, receiving and reviewing valve submittals and instrumentation product data and wiring diagrams provided by the pipeline contractors, and in turn preparing and submitting loop diagrams and PLC interconnection diagrams to enable field wiring.”

4. Section 01040, “Easement and Right-of-Way Requirements,” Page 4; add a new Article 5 as follows:

“5. STATUS OF EASEMENT ACQUISITION. The status of DISTRICT acquisition of permanent and temporary easements as of the date of opening of Bids is provided below for CONTRACTOR’S information and construction scheduling purposes.

Easement Status	Property Owners & Assessor’s Parcel Numbers (APN)	
Easement Agreements Pending.	Monterey County Water Resources Agency 080-091-002 Permit to enter for construction expected by September 2007. United States of America - Camp Roberts 026-021-010 See Appendix B for dates of construction access.	State of California 070-061-038 Easement Deed execution in process.
Right of Possession pending completion of eminent domain proceedings. Right of Possession estimated to be completed by December 31, 2007	Santa Ysabel Ranch 020-282-003 020-282-004 Santa Ysabel Ranch HOA 020-282-007	Davis 034-431-003

5. Section 01650, "Startup and Testing", Paragraph 6.08, Page 9; add a third bullet item as follows:
 - Verification that telephone backup system is operating properly."

C. CHANGES AND/OR CLARIFICATIONS TO THE TECHNICAL SPECIFICATIONS

1. Section 02900, "Landscaping", Page 4; replace the requirements originally specified under Paragraph 3-6, "Establishment Period", with the following:

"3-6. ESTABLISHMENT PERIOD.

3-6.01. Commencement of Establishment Period. The establishment period shall begin after all work has been satisfactorily completed and granted final completion notice by the DISTRICT.

3-6.02. Responsibility of CONTRACTOR. During the establishment period, the CONTRACTOR shall maintain all planting areas in a weed free condition, performing pest control, pruning and replacement of dead or unhealthy plants as necessary to establish a healthy, vigorous and attractive planting.

CONTRACTOR shall guarantee and maintain all work for a period of one year and warrant that the Performance Standards per Paragraph 3-6.03 will be met. The CONTRACTOR shall guarantee both workmanship and plant materials, replacing any and all plants that die at appropriate intervals, and maintaining such replacements until the minimum survival rate is achieved.

In addition, a 100% survival rate over the first 30 days is required. All plants dead at the end of the first 30 days after planting shall be replaced immediately.

3-6.03. Performance Standards. Minimum plant survival (total for all species) at the end of the first year from initial planting shall be 80%.

3-6.04. Watering Schedule. As general guidance, watering shall occur the first week of each month throughout the first dry season (usually May through October). Any further watering shall occur only for plants which appear to be stressed during the dry season. The CONTRACTOR shall be responsible for determining appropriate watering intervals as weather and plant growth dictate.

3-6.05. Maintenance Monitoring. CONTRACTOR shall monitor the sites at least at monthly intervals during the establishment period, performing all maintenance activities in Section 3-6.”

2. Section 07700, “Roof Specialties and Accessories,” Page 3; add a new Paragraph 2-6 as follows:

“2-6. ACCESS HATCHES. Access hatches shown on the Drawings at the Intake Pump Station shaft entrance, at each surge chamber and flowmeter vault, and other locations as shown shall be as follows:

Access hatch shall be BILCO Type JD-H20 Steel manufactured by The BILCO Company; or equal. Hatch shall have double leaf cover constructed of 1/4" steel diamond pattern plate and reinforced for AASHTO H-20 wheel loading. Dimensions shall be as shown on the Drawings.

Each hatch shall have a channel frame of 1/4" steel with full anchor flange around the perimeter. Hinges shall be designed for horizontal installation and shall be through bolted to the cover with tamperproof Type 316 stainless steel lock bolts and shall be through bolted to the frame with Type 316 stainless steel bolts and locknuts.

Each hatch shall have a 1-1/2" drain coupling in the channel frame that is connected to a 1-1/2" PVC pipe to daylight at the edge of the structure.

Provide hatches with compression spring operators enclosed in telescopic tubes to provide, smooth, easy, and controlled cover operation throughout the entire arc of opening and to act as a check in retarding downward motion of the cover when closing. The upper tube shall be the outer tube to prevent accumulation of moisture, grit, and debris inside the lower tube assembly. The lower tube shall interlock with a flanged support shoe fastened to a formed 1/4" gusset support plate.

Provide a removable exterior turn/lift handle with a spring loaded ball detent to open the cover and the latch release shall be protected by a flush, gasketed, removable screw plug. All hardware shall be Type 316 stainless steel. Provide an exterior hasp for DISTRICT padlock.

Manufacturer shall guarantee against defects in material and workmanship for a period of 5 years.

The compressors shall be 2 or 3 stage reciprocating type, rated for continuous operation, base mounted, connected to the motor by a V belt drive system with OSHA approved guard with a convenient method of V belt tensioning. Belts for each compressor shall be matched sets. Compressors shall be of substantial cast iron construction with the ball or roller bearings with AFBMA L₁₀ life of at least 40,000 hours. The compressors shall be provided with a food grade lubricant. The compressors shall provide nominally oil free air.

Furnish each compressor with spring loaded vibration isolators for mounting equipment skid to concrete foundation.

The designs are based on Ingersol Rand Model 7T2x15 for Intake Pump Station and Santa Ysabel Pump Station and Model 7T2x10 for Rocky Canyon Pump Station. Equivalent models of Quincy and Gardner Denver are also acceptable.”

7. Section 13500, “Instrumentation and Control System”, Paragraph 1-2.03, Page 2; delete the fourth bullet at the bottom of the page that starts with “The intended supplier shall.....”
8. Section 13500, Paragraph 1-2.04, “Coordination”, Page 3, insert the following at the end of the paragraph:

“The CONTRACTOR and SYSTEM SUPPLIER shall coordinate their activities with the construction activities being performed at the turnouts under DISTRICT Contract 300187.08.04 Pipeline Central and Contract 300187.08.05 Pipeline South. Coordination shall include, but not be limited to, receiving and reviewing valve submittals and instrumentation product data and wiring diagrams provided by the pipeline contractors, and in turn preparing and submitting loop diagrams and PLC interconnection diagrams to enable field wiring.”
9. Section 13520, “Computer System Software”, Paragraph 3-1.02, Page 10; in the second line, change the word “server” to “Workstation”.
10. Section 13550, “Software Control Block Descriptions”, Paragraph 3-4.02, Page 8; in the second line of the second paragraph, change the word “servers” to “Workstations”.

On Page 3, add the following to the end of Paragraph 3-1.14:

“The HMI software shall be programmed to provide for PLC and computer clock synchronization. The workstation running the HMI software at Santa Margarita Booster Pump Station shall contain the master clock and the time shall be manually input or revised based on operator input.”

11. Section 13591, "Ethernet Network Systems", Paragraph 2-2.03, Page 3; in the third line, change the word "servers" to "Workstations".

12. In the following Sections and locations, change the word "Server" to "Workstation"

Section 13550, Appendix D, Page 2, 1st bullet item

Section 13550, Appendix E, Page 2, 2nd bullet item

Section 13550, Appendix F, Page 5, 1st bullet item

13. Section 15061, "Ductile Iron Pipe," Paragraph 2-2; add the following to the list of materials:

"Mechanical Joints	ANSI/AWWA C110/A21.10 and C110/A21.11
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Restrained Mechanical Joints	EBAA Iron "Megalug" Series 1100; or equal."
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14. Section 15061, "Ductile Iron Pipe, Paragraph 2-2, first full paragraph at the top of Page 5; revise to read as follows:

"All fittings shall be ductile iron and suitable for a factory test pressure of 1.5 times rated working pressure without leakage or damage."

D. CHANGES AND/OR CLARIFICATIONS TO THE APPENDICES AND DVD

1. Appendix B, Property Owner – United States of America – Camp Roberts; revise the last sentence in the next to last paragraph on Page 4 to read as follows:

"The cost of security personnel provided by the Camp is \$3,050 per person per month."

2. In Part 4 of 6, add to the end of Appendix F: Pothole Data

E. CHANGES AND/OR CLARIFICATIONS TO THE STANDARD DETAILS

1. Detail C037, Air Valve Enclosure; in the concrete slab, add reinforcing steel with callout "#4 @ 6 EW"

2. Detail C048, Enclosure for 6" Combination Air Valve; in the concrete slab, add reinforcing steel with callout "#4 @ 6 EW"

F. CHANGES AND/OR CLARIFICATIONS TO THE CONTRACT DRAWINGS

1. Drawing G003, Sheet 3 of 179; revised drawing is attached. In addition, change the Sheet 159 number from "F2-CP501" to F1-CP501"
2. Drawing G430, Sheet 12 of 179, Sectional Plan; at the access ladder, add the callout "STD/ S035".
3. Drawing G501, Sheet 14 of 179; on Detail C, replace "MID THREAD" with "MIP THREADED FITTING".
4. Drawing G502; Sheet 15 of 179; for the Flowmeter Vault, at the sump, modify the callout to read:

"1'-6" SQ SUMP W/PORTABLE SUMP PUMP (SEE NOTE 3)"

Add a new Note 3 as follows:

"3. Furnish a portable sump pump that can be used at the flowmeter vault at each of the three pump stations (IPS, SYPS and RCPS); the portable sump pump shall be Flotec Model FPSE3200A, or equal. Provide each pump with a 15-foot lifting rope, 20-foot power cord, a check valve on the discharge piping, and 20 ft of 1-½" diameter PVC flexible hose. Store these items inside of the pump station for use when needed."

At the Flowmeter Vault Roof Plan, rotate the hatch 90 degrees clockwise, and add a ladder attached to the wall centered under the hatch. Label the ladder with callout "STD / S035". On Section 1, show the access hatch with double doors opening upwards.

5. Drawing G510, Sheet 17 of 179; on the Room Finish Schedule, for Unit A – Intake Pump Station, replace finish for North, East, South and West walls of RESTROOM from "PT" to "EP".
6. Drawing G601, Sheet 30 of 179; make the following changes to the Hydraulic Profile:

Change "STA. 1493+10 - AMWC TURNOUT" to "STA. 1495+85 - AMWC TURNOUT".

In Unit C1a, change the location shown for "PIPE SIZE CHANGE" from "STA 838+00" to "STA 829+50"

Add a new Note 1 as follows:

“1. Lake elevations shown are based on NGVD29 vertical datum; all other elevations shown are based on NAVD88 vertical datum.”

7. Drawing G604, Sheet 32 of 179, add a new Note 7 as follows:

"7. See Typical Communications Panel Diagram Standard Drawing STD I019 for Panel CP-2 details and fiber optic splices at CP-2."

8. Drawing G643, Sheet 35 of 179; on Details C, D and E, replace “MID THREAD” at the outlet of 2” Lockable Brass Corporation Stop (sampling) with “MIP THREADED FITTING”.

9. Drawing G660, Sheet 37 of 139; in Note 6, revise the third line to read as follows:

“CP-2 at Camp Roberts Tank”

10. Drawing G662, Sheet 39 of 179, in Note 6, revise the third line to read as follows:

“CP-2 at Santa Margarita Booster Pump Station (SMBPS)”

11. Drawing A-C100, Sheet 40 of 179; added expected limits of site excavation to be performed by the Intake Contractor as shown on Sketch 300187.08.02-SK28, attached.

12. Drawing A-I602, Sheet 74 of 179; add outlet and blind flange for temporary test loop as shown in Sketch 300187.08.02-SK27, attached.

13. On the following Drawings, delete any references or callouts made on the drawing to “Note 3”:

Drawing A-I603, Sheet 75 of 179

Drawing B-I603, Sheet 127 of 179

Drawing F2-I602, Sheet 161 of 179

14. Drawing A-S101, Sheet 51 of 179; revise the shaft access hatch as shown on Sketch 300187.08.02-SK25.

15. Drawing A-S302, Sheet 54 of 179; make the following revisions:

- Revise the shaft access hatch as shown on Sketch 300187.08.02-SK26 and delete the entire note making reference to B / A-C503.
- In Detail D, delete the note text making reference to B / A-C503 and replace with “FOR INFORMATION NOT SHOWN, REFER TO DISTRICT CONTRACT 300187.08.01, DRAWING A-C503”.
- In Section 2, revise the opening size from 1’-8” to 18”.

- In Detail C, revise the brass box callout to read: “12” SQUARE BRASS BOX WITH FLUSHED-MOUNTED HINGED LID”
16. Drawing A-C301, Sheet 44 of 179; replace existing Detail 3 with larger pipe support system as shown on Sketch 300187.08.02-SK29.
17. Drawing A1-C302, Sheet 82 of 179; replace existing Detail C with larger pipe support system as shown on Sketch 300187.08.02-SK29.
18. Drawing A-E604, Sheet 68 of 179; on the Communications Panel A-CP-2 one-line diagram, change the cable in circuit A-CP2-2 from “FO” to “EC”.
19. Drawing A1-E101, Sheet 87 of 179; revised drawing is attached.
20. Drawing A1-E601, Sheet 88 of 179; make the following revisions:
- On Communications Panel A1-CP-2 one-line diagram, change circuit A-CP2-3 to circuit A-CP2-1.
 - On Communications Panel A1-CP-2 one-line diagram, change circuit A-CP2-4 to circuit A-CP2-2 and change the cable from “FO” to “EC”.
 - On Communications Panel A1-CP-2 one-line diagram, change the cable in circuit A1-CP2-2 from “FO” to “EC”.
21. Drawing B-S301, Sheet 109 of 179; on Section 2, change the diagonal brace callouts from “L 4 x 4” to “HSS 4 x 4” (three places).
22. Drawing B-E603, Sheet 121 of 179; make the following revisions:
- On Communications Panel B-CP-2 one-line diagram, change the cable in circuit A1-CP2-2 and B-CP3-2 from “FO” to “EC”.
 - On Communications Panel B-CP-2 one-line diagram, change circuit B-CP3-1 to B-CP2-1, change circuit B-CP3-2 to B-CP2-2, change circuit B-CP3-3 to B-CP2-3, change circuit A1-CP2-1 to T2-CP2-1, and change A1-CP2-2 to T2-CP2-2.
 - Change the text below circuits B-CP2-1 and B-CP2-2 from “TO TCSD TURNOUT COMMUNICATIONS PANEL T4-CP-1” to “TO TCSD TURNOUT COMMUNICATIONS PANEL T4-CP-2”.
23. Drawing F2-S301, Sheet 143 of 179; on Section 2, change the diagonal brace callouts from “L 4 x 4” to “HSS 4 x 4” (three places).
24. Drawing F2-E603, Sheet 155 of 179; on Communications Panel F2-CP-2 one-line diagram, change the cable in circuit T6-CP2-2 and F2-CP2-2 from “FO” to “EC”.
25. Drawing F2-CP501, Sheet 159 of 179; change drawing number to “F1-CP501”

26. Drawing G2-C103, sheet 165 of 179; at the pipeline connections to the existing NWP Pipeline (Points 1 and 9), change the callouts to read as follows:

“CONNECT TO EXISTING 24” WELDED STEEL PIPELINE WITH 24” TO 18” REDUCER AND 18” ELBOW”

In the coordinate table, delete the text “WSP” from both the 18” Tank Inlet and 18” Tank Outlet rows; delete “RCP” from the 24” Tank Overflow and Drain row.

27. Drawing G2-E101, Sheet 170 of 179; revised drawing is attached.

28. Drawing G2-E601, Sheet 172 of 179; on Communications Panel G2-CP-2 one-line diagram, change the cable in circuit NWP-CP2-2 and G2-CP2-2 from “FO” to “EC”.

29. Drawing E150, Sheet 175 of 179; on the Communications Panel NWP-CP-2 one-line diagram, change the cable in circuit F2-CP2-2 and NWP-CP2-2 from “FO” to “EC”.

30. The following turnout drawings are hereby issued, attached:

T2-E101	T4-E101	T6-E101	T11-E101
T2-E601	T4-E601	T6-E601	T11-E601
T2-I601	T4-I601	T6-I601	T11-I601

ATTACHMENTS

1. Section 10400, “Identifying Devices”
2. Contract Drawings G003, A1-E101, and G2-E101 (Revised)
3. Contract Drawings for Turnouts T2, T4, T6, and T11:

T2-E101	T4-E101	T6-E101	T11-E101
T2-E601	T4-E601	T6-E601	T11-E601
T2-I601	T4-I601	T6-I601	T11-I601

4. Pothole Data (for Appendix F)
5. Sketches 300187.08.02-SK25 – 300187.08.02-SK30

End of Addendum 2

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ATTACHMENTS

CONTRACT NO. 300187.08.02 ADDENDUM NO. 2

1. Section 10400, "Identifying Devices"
2. Contract Drawings G003, A1-E101, and G2-E101 (Revised)
3. Contract Drawings for Turnouts T2, T4, T6, and T11
4. Pothole Data (for Appendix F)
5. Sketches 300187.08.02-SK25 – 300187.08.02-SK30

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Contract 300187.08.02
Addendum No. 2

Attachment 1 – Section 10400, “Identifying Devices”

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SECTION 10400

IDENTIFYING DEVICES

PART 1 – GENERAL

1-1. SCOPE. This section covers the requirements of installing identification devices, such as signs and symbols, which indicate hazards, identify objects, rooms and devices, provide instruction, and convey information with the intent to eliminate, in so far as possible, accidental injury to workers and the public or damage to the property.

1-2. REFERENCES. The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by basic designation only. Where a date is given for reference standards, that edition shall be used. Where no date is given for the reference standards, the latest edition available as of July 10, 2007.

- California Division of Occupational Safety and Health (Cal/OSHA).
- California Building Code (CBC).

1-3. SUBMITTALS. The CONTRACTOR shall prepare and submit the following information to the ENGINEER for approval:

- Manufacturer's information, including manufacturer's specifications and installation instructions.
- Shop drawings consisting of full-size layouts of all signs. Repetitive sign layouts of typical and most restrictive condition shall be submitted. Details of installations shall be submitted showing fasteners and mounting. Style and colors of lettering shall be as selected by the ENGINEER from manufacturer's standards.
- Samples of all the sign materials and colors he proposes to use in the WORK. The samples shall be clearly marked to show the manufacturer's name and product identification and shall be submitted along with the manufacturer's technical data and application instructions.

PART 2 – PRODUCTS

2-1. GENERAL. All wording and types of identification devices shall be per Table 10400-1, "Schedule of Identification Devices," and shall be verified and approved before fabrication. Identification devices shall be vandal-resistant. Fasteners shall be concealed, non-corrosive fasteners appropriate for materials being fastened and as required. Where exposed fasteners are necessary, they shall be painted to match the color and identification device.

2-2. NAMEPLATES.

2-2.01. TYPE I. Type I nameplates shall be Builders Brass Works, 460 Series; Vomar Products, Inc., ES 100 Series; or equal with colored 1/8-inch acrylic plastic (matte finish). Lettering shall be white, 1/2-inch high, or 48 points, and fused by heat and pressure to a depth of approximately 0.005-inch. Plates to be installed in an extruded aluminum frame, medium

bronze or dark anodized finish, and furnished with two-way adhesive mounting tape. Plastic color and letter style shall be as selected by the ENGINEER.

2-2.02. TYPE II. Type II nameplates shall be metal with a minimum thickness of 12 gage and shall have engraved symbols. Symbols and numbers shall be capitalized block letters and shall have a minimum 3/4-inch height. The nameplate height and length shall be as needed with suitable margins all around. Nameplates shall be installed with corrosion-resistant mechanical fasteners

2-3. SIGNS. Signs shall be painted. Paint materials shall be baked enamel on aluminum. Signs shall conform to Cal/OSHA requirements in CCR, Title 8 General Industry Safety Orders. Locations, sizes, and colors shall be as reviewed by the ENGINEER. The lettering sizes shall be three-inch in height unless shown or specified otherwise. All "EXIT" signs to be installed on doors shall have lettering that is 6 inches high with a 3/4-inch stroke.

2-4. PROJECT PLAQUE. A cast bronze plaque, 48 inches wide by 36 inches high, shall be provided by the CONTRACTOR. The plaque shall have a satin finish, plain double line border, leatherette background, and be inscribed as directed by the ENGINEER. Letters shall be raised satin, finished with each letter sharp clearly defined style shall be as selected by the ENGINEER. Mounting shall be concealed fastenings with rosette covers in conformance with plaque manufacturer's recommendations. The CONTRACTOR shall submit artist sketches (Shop Drawings) to the ENGINEER for review before final casting.

PART 3 – EXECUTION

3-1. GENERAL. Identification devices shall be installed where directed by ENGINEER and per Table 10400-1, "Schedule of Identification Devices." Additional identification devices not included in this Section but required in the Contract Documents shall also be provided in accordance with the Contract Documents.

3-2. NAMEPLATES.

3-2.01. TYPE I. Type I nameplates shall be installed on every door leading into an enclosed room, except restrooms, and shall display the name of the room that the door leads into. Room names are labeled on the plans and listed in Table 10400-1, "Schedule of Identification Devices." Nameplates shall be installed on the side of the door that is opposite to the room that the nameplate displays.

3-2.02. TYPE II. Type II nameplates shall be installed on hatches, manhole lids and other objects as listed in Table 10400-1, "Schedule of Identification Devices."

3-3. SIGNS.

3-3.01. INFORMATION. The following sign shall be installed on the exterior side of every door that provides entrance into the building:

EMPLOYEES ONLY

The following sign shall be installed on the interior side of every door that provides exit from the building

EXIT

3-3.02. DANGER. The following sign shall be installed on all hatches, lids or other openings leading into new and existing underground or confined structures into which employees may enter.

DANGER
CONFINED SPACE
AUTHORIZED PERSONNEL ONLY

The following sign shall be installed on the Intake shaft wetwell hatch:

DANGER
PUMP WETWELL
SHAFT DEPTH
180 FT

The following sign shall be installed on the exterior of doors leading into electrical cabinets:

DANGER
HIGH VOLTAGE

3-3.03. CAUTION. The following sign shall be installed on the exterior of all doors leading into restrooms:

CAUTION
NON-POTABLE WATER

The following sign shall be installed on the exterior of all doors leading into a pump room and near any outdoor equipment that starts without warning:

CAUTION
AUTOMATIC EQUIPMENT
WILL START WITHOUT WARNING

3-3.04. ALLOWABLE LIVE LOAD. A visible allowable live load sign shall be installed in an inconspicuous location on the interior wall of every room displaying the design live load, conforming to the requirements of Section 1607.3.5 of the CBC.

3-3.05. UNISEX RESTROOM. Install a Title 24 Restroom Sign (symbol of man and woman on a triangle inscribed in a circle) on the exterior of all doors leading into a unisex restroom.

3-4. PROJECT PLAQUE. The Project plaque shall be installed as directed by the ENGINEER. Plaque location will be provided by the ENGINEER.

3-5. CLEANING. In accordance with the requirements of the manufacturer's printed recommendations, all signs shall be thoroughly cleaned and left ready for use.

End of Section

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TABLE 10400-1
SCHEDULE OF IDENTIFICATION DEVICES

SIGN NO.	DOOR NO.	ROOM DESCRIPTION	SIGN TYPE	SIGN TEXT		SIGN LOCATION
				TOP	BOTTOM or CENTERED	
DRAWING SHEET A-C101						
A-001	N/A	Surge Chamber	Nameplate	N/A	SURGE CHAMBER	Top of Chamber
A-002	N/A	Surge Chamber	Sign	DANGER	CONFINED SPACE AUTHORIZED PERSONNEL ONLY	Top of Chamber Access Hatch
A-003	N/A	Surge Chamber	Nameplate	N/A	SURGE TANK	Exterior of Tank Hatch
A-004	N/A	Surge Chamber	Sign	DANGER	CONFINED SPACE AUTHORIZED PERSONNEL ONLY	Exterior of Tank Hatch
A-005	N/A	Waste Holding Tank	Nameplate	N/A	WASTE HOLDING TANK	Top of Manhole Lid
A-006	N/A	Waste Holding Tank	Sign	DANGER	CONFINED SPACE AUTHORIZED PERSONNEL ONLY	Top of Manhole Lid
A-007	N/A	Waste Holding Tank	Nameplate	N/A	WASTE HOLDING TANK	Top of Manhole Lid
A-008	N/A	Waste Holding Tank	Sign	DANGER	CONFINED SPACE AUTHORIZED PERSONNEL ONLY	Top of Manhole Lid
A-009	N/A	Oil Interceptor	Nameplate	N/A	OIL INTERCEPTOR	Top of Manhole Lid
A-010	N/A	Oil Interceptor	Sign	DANGER	CONFINED SPACE AUTHORIZED PERSONNEL ONLY	Top of Manhole Lid
A-011	N/A	Oil Interceptor	Nameplate	N/A	OIL INTERCEPTOR	Top of Manhole Lid
A-012	N/A	Oil Interceptor	Sign	DANGER	CONFINED SPACE AUTHORIZED PERSONNEL ONLY	Top of Manhole Lid
A-013	N/A	Flow Meter Vault	Nameplate	N/A	FLOW METER VAULT	Top of Vault Access Hatch
A-014	N/A	Flow Meter Vault	Sign	DANGER	CONFINED SPACE AUTHORIZED PERSONNEL ONLY	Top of Vault Access Hatch
DRAWING SHEET A-C103						
A-015	N/A	Valve Box V-1004	Nameplate	N/A	V-1004	Top of Valve Box Lid
A-016	N/A	Valve Box V-8002	Nameplate	N/A	V-8002	Top of Valve Box Lid

SIGN NO.	DOOR NO.	ROOM DESCRIPTION	SIGN TYPE	SIGN TEXT		SIGN LOCATION
				TOP	BOTTOM or CENTERED	
DRAWING SHEET A-C301						
A-017	N/A	Valve Box PIG Signal	Nameplate	N/A	PIG SIGNAL	Top of Valve Box Lid
DRAWING SHEET A-A101						
A-018	101	Pump Room	Nameplate	N/A	PUMP ROOM	Exterior Side of Door
A-019	101	Pump Room	Sign	N/A	EMPLOYEES ONLY	Exterior Side of Door
A-020	101	Pump Room	Sign	CAUTION	AUTOMATIC EQUIPMENT WILL START WITHOUT WARNING	Exterior Side of Door
A-021	101	Pump Room	Sign	N/A	EXIT	Interior Side of Door
A-022	104	Pump Room	Nameplate	N/A	PUMP ROOM	Exterior Side of Door
A-023	104	Pump Room	Sign	N/A	EMPLOYEES ONLY	Exterior Side of Door
A-024	104	Pump Room	Sign	CAUTION	AUTOMATIC EQUIPMENT WILL START WITHOUT WARNING	Exterior Side of Door
A-025	104	Pump Room	Sign	N/A	EXIT	Interior Side of Door
A-026	105	Electrical Room	Nameplate	N/A	SWITCHGEAR CABINET	Exterior Side of Door
A-027	105	Electrical Room	Sign	DANGER	HIGH VOLTAGE	Exterior Side of Door
A-028	105	Electrical Room	Sign	N/A	EMPLOYEES ONLY	Exterior Side of Door
A-029	106	Electrical Room	Nameplate	N/A	ELECTRICAL ROOM	Exterior Side of Door
A-030	106	Electrical Room	Sign	N/A	EMPLOYEES ONLY	Exterior Side of Door
A-031	106	Electrical Room	Sign	N/A	EXIT	Interior Side of Door
A-032	107	Electrical Room	Nameplate	N/A	ELECTRICAL ROOM	Exterior Side of Door
A-033	107	Electrical Room	Sign	N/A	EMPLOYEES ONLY	Exterior Side of Door
A-034	107	Electrical Room	Sign	N/A	EXIT	Interior Side of Door
A-035	108	Electrical/Pump Room	Nameplate	N/A	PUMP ROOM	Electrical Room Side of

SIGN NO.	DOOR NO.	ROOM DESCRIPTION	SIGN TYPE	SIGN TEXT		SIGN LOCATION
				TOP	BOTTOM or CENTERED	
A-036	108	Pump Room	Sign	CAUTION	AUTOMATIC EQUIPMENT WILL START WITHOUT WARNING	Electrical Room Side of Door
A-037	108	Electrical/Pump Room	Nameplate	N/A	ELECTRICAL ROOM	Pump Room Side of Door
A-038	109	Electrical/Pump Room	Nameplate	N/A	PUMP ROOM	Electrical Room Side of
A-039	109	Pump Room	Sign	CAUTION	AUTOMATIC EQUIPMENT WILL START WITHOUT WARNING	Electrical Room Side of Door
A-040	109	Electrical/Pump Room	Nameplate	N/A	ELECTRICAL ROOM	Pump Room Side of Door
A-041	110	Toilet/Pump Room	Sign	N/A	(Unisex Restroom Sign)	Pump Room Side of Door
A-042	110	Toilet/Pump Room	Sign	CAUTION	NON-POTABLE WATER	Pump Room Side of Door
A-043	N/A	See Section 10400	Project Plaque	N/A	See Section 10400	See Section 10400
A-044	N/A	Electrical Room	Sign		ALLOWABLE LIVE LOAD 250 PSF	On Wall
A-045	N/A	Pump Room	Sign		ALLOWABLE LIVE LOAD 250 PSF	On Wall
DRAWING SHEET A-S101						
A-046	N/A	Pump Room	Nameplate	N/A	Intake Shaft	Intake Shaft Access Hatch
A-047	N/A	Pump Room	Sign	DANGER	PUMP WETWELL SHAFT DEPTH	Intake Shaft Access Hatch
A-048	N/A	Pump Room	Nameplate	N/A	WETWELL LEVEL INDICATOR	Top of Indicator
DRAWING SHEET A-P101						
A-049	N/A	Pump Room	Nameplate	N/A	NON-POTABLE WATER	On South Interior Wall Next to Hose Faucet
A-050	N/A	Pump Room	Nameplate	N/A	NON-POTABLE WATER	On North Interior Wall Next to Hose Faucet
A-051	N/A	Pump Room	Nameplate	N/A	NON-POTABLE WATER	On East Interior Wall Next to Hose Faucet

SIGN NO.	DOOR NO.	ROOM DESCRIPTION	SIGN TYPE	SIGN TEXT		SIGN LOCATION
				TOP	BOTTOM or CENTERED	
A-052	N/A	Pump Room	Nameplate	N/A	NON-POTABLE WATER	On South Interior Wall Next to Wall Hydrant
A-053	N/A	Pump Room	Nameplate	N/A	NON-POTABLE WATER	On North Interior Wall Next to Wall Hydrant
A-054	N/A	Pump Room	Nameplate	N/A	NON-POTABLE WATER	On East Interior Wall Next to Wall Hydrant
A-055	N/A	Building Exterior	Nameplate	N/A	NON-POTABLE WATER	On South Exterior Wall Next to Wall Hydrant
A-056	N/A	Building Exterior	Nameplate	N/A	NON-POTABLE WATER	On North Exterior Wall Next to Wall Hydrant
A-057	N/A	Building Exterior	Nameplate	N/A	NON-POTABLE WATER	On East Exterior Wall Next to Wall Hydrant
DRAWING SHEET A-E101						
A-058	N/A	Fiber Optic Vault	Nameplate	N/A	INTAKE PUMP STATION	On Top of Vault Lid
A-059	N/A	Fiber Optic Vault	Nameplate	N/A	STA 4+00	On Top of Vault Lid
DRAWING SHEET A1-C103 / G401						
A1-001	N/A	Camp Roberts Tank	Nameplate	N/A	CAMP ROBERTS TANK VOL: 850,000 GAL MIN WS EL: 993 MAX WS EL: 1020	Exterior Tank Wall
A1-002	N/A	Camp Roberts Tank	Sign	DANGER	CONFINED SPACE AUTHORIZED PERSONNEL ONLY	Top of Inspection Hatch on Roof
DRAWING SHEET A1-E101						
A1-003	N/A	Fiber Optic Vault	Nameplate	N/A	STA 530+40	On Top of Vault Lid
DRAWING SHEET B-C101						
B-001	N/A	Surge Chamber	Nameplate	N/A	SURGE CHAMBER	Top of Chamber

SIGN NO.	DOOR NO.	ROOM DESCRIPTION	SIGN TYPE	SIGN TEXT		SIGN LOCATION
				TOP	BOTTOM or CENTERED	
B-002	N/A	Surge Chamber	Sign	DANGER	CONFINED SPACE AUTHORIZED PERSONNEL ONLY	Top of Chamber Access Hatch
B-003	N/A	Surge Chamber	Nameplate	N/A	SURGE TANK	Exterior of Tank Hatch
B-004	N/A	Surge Chamber	Sign	DANGER	CONFINED SPACE AUTHORIZED PERSONNEL ONLY	Exterior of Tank Hatch
B-005	N/A	Waste Holding Tank	Nameplate	N/A	WASTE HOLDING TANK	Top of Manhole Lid
B-006	N/A	Waste Holding Tank	Sign	DANGER	CONFINED SPACE AUTHORIZED PERSONNEL ONLY	Top of Manhole Lid
B-007	N/A	Waste Holding Tank	Nameplate	N/A	WASTE HOLDING TANK	Top of Manhole Lid
B-008	N/A	Waste Holding Tank	Sign	DANGER	CONFINED SPACE AUTHORIZED PERSONNEL ONLY	Top of Manhole Lid
B-009	N/A	Oil Interceptor	Nameplate	N/A	OIL INTERCEPTOR	Top of Manhole Lid
B-010	N/A	Oil Interceptor	Sign	DANGER	CONFINED SPACE AUTHORIZED PERSONNEL ONLY	Top of Manhole Lid
B-011	N/A	Oil Interceptor	Nameplate	N/A	OIL INTERCEPTOR	Top of Manhole Lid
B-012	N/A	Oil Interceptor	Sign	DANGER	CONFINED SPACE AUTHORIZED PERSONNEL ONLY	Top of Manhole Lid
B-013	N/A	Flow Meter Vault	Nameplate	N/A	FLOW METER VAULT	Top of Vault Access Hatch
B-014	N/A	Flow Meter Vault	Sign	DANGER	CONFINED SPACE AUTHORIZED PERSONNEL ONLY	Top of Vault Access Hatch
DRAWING SHEET B-C103 / B-C501						
B-015	N/A	Valve Box B-V1004	Nameplate	N/A	B-V1004	Top of Valve Box Lid
B-016	N/A	Valve Box B-V1005	Nameplate	N/A	B-V1005	Top of Valve Box Lid
B-017	N/A	Valve Box B-V1008	Nameplate	N/A	B-V1008	Top of Valve Box Lid
B-018	N/A	Surge Tank	Nameplate	N/A	SURGE TANK	Top of Manhole Lid
B-019	N/A	Surge Tank	Sign	DANGER	CONFINED SPACE AUTHORIZED	Top of Manhole Lid

SIGN NO.	DOOR NO.	ROOM DESCRIPTION	SIGN TYPE	SIGN TEXT		SIGN LOCATION
				TOP	BOTTOM or CENTERED	
B-020	N/A	Surge Water Transfer Pump	Nameplate	N/A	SURGE WATER TRANSFER PUMP WELL	Top of Well Cap
B-021	N/A	N/A	Sign	CAUTION	AUTOMATIC EQUIPMENT WILL START WITHOUT WARNING	Near Surge Relief Valve
DRAWING SHEET B-A101						
B-022	203	Electrical Room	Nameplate	N/A	ELECTRICAL ROOM	Exterior Side of Door
B-023	203	Electrical Room	Sign	N/A	EMPLOYEES ONLY	Exterior Side of Door
B-024	203	Electrical Room	Sign	N/A	EXIT	Interior Side of Door
B-025	204	Electrical/Pump Room	Nameplate	N/A	PUMP ROOM	Electrical Room Side of
B-026	204	Pump Room	Sign	CAUTION	AUTOMATIC EQUIPMENT WILL START WITHOUT WARNING	Electrical Room Side of Door
B-027	204	Electrical/Pump Room	Nameplate	N/A	ELECTRICAL ROOM	Pump Room Side of Door
B-028	205	Restroom/Pump Room	Sign	N/A	(Unisex Restroom Sign)	Pump Room Side of Door
B-029	205	Restroom	Sign	CAUTION	NON-POTABLE WATER	Pump Room Side of Door
B-030	206	Pump Room	Nameplate	N/A	PUMP ROOM	Exterior Side of Door
B-031	206	Pump Room	Sign	N/A	EMPLOYEES ONLY	Exterior Side of Door
B-032	206	Pump Room	Sign	CAUTION	AUTOMATIC EQUIPMENT WILL START WITHOUT WARNING	Exterior Side of Door
B-033	206	Pump Room	Sign	N/A	EXIT	Interior Side of Door
B-034	207	Pump Room	Nameplate	N/A	PUMP ROOM	Exterior Side of Door
B-035	207	Pump Room	Sign	N/A	EMPLOYEES ONLY	Exterior Side of Door
B-036	206	Pump Room	Sign	CAUTION	AUTOMATIC EQUIPMENT WILL START WITHOUT WARNING	Exterior Side of Door
B-037	207	Pump Room	Sign	N/A	EXIT	Interior Side of Door

SIGN NO.	DOOR NO.	ROOM DESCRIPTION	SIGN TYPE	SIGN TEXT		SIGN LOCATION
				TOP	BOTTOM or CENTERED	
B-038	N/A	See Section 10400	Project Plaque	N/A	See Section 10400	See Section 10400
B-039	N/A	Equipment Slab Room	Sign		ALLOWABLE LIVE LOAD 100 PSF	On Wall
B-040	N/A	Electrical Room	Sign		ALLOWABLE LIVE LOAD 250 PSF	On Wall
B-041	N/A	Pump Room	Sign		ALLOWABLE LIVE LOAD 250 PSF	On Wall
DRAWING SHEET B-M101 / M301						
B-042	N/A	Valve Box V-1001	Nameplate	N/A	V-1001	Top of Valve Box Lid
B-043	N/A	Valve Box V-2001	Nameplate	N/A	V-2001	Top of Valve Box Lid
B-044	N/A	Valve Box V-3001	Nameplate	N/A	V-3001	Top of Valve Box Lid
B-045	N/A	Valve Box V-4001	Nameplate	N/A	V-4001	Top of Valve Box Lid
DRAWING SHEET B-P101						
B-046	N/A	Pump Room	Nameplate	N/A	NON-POTABLE WATER	On West Interior Wall Next to Hose Faucet
B-047	N/A	Pump Room	Nameplate	N/A	NON-POTABLE WATER	On East Interior Wall Next to Hose Faucet
B-048	N/A	Pump Room	Nameplate	N/A	NON-POTABLE WATER	On West Interior Wall Next to Wall Hydrant
B-049	N/A	Pump Room	Nameplate	N/A	NON-POTABLE WATER	On West Interior Wall Next to Wall Hydrant
B-050	N/A	Pump Room	Nameplate	N/A	NON-POTABLE WATER	On West Exterior Wall Next to Wall Hydrant
B-051	N/A	Pump Room	Nameplate	N/A	NON-POTABLE WATER	On West Exterior Wall Next to Wall Hydrant

SIGN NO.	DOOR NO.	ROOM DESCRIPTION	SIGN TYPE	SIGN TEXT		SIGN LOCATION
				TOP	BOTTOM or CENTERED	
DRAWING SHEET B-E101						
B-052	N/A	Fiber Optic Vault	Nameplate	N/A	SANTA YSABEL PUMP STATION	On Top of Vault Lid
DRAWING SHEET F1-I601 / G401						
F1-001	N/A	Camp Roberts Tank	Nameplate	N/A	ROCKY CANYON TANK VOL: 850,000 GAL MIN WS EL: 993 MAX WS EL: 1020	Exterior Tank Wall
F1-002	N/A	Camp Roberts Tank	Sign	DANGER	CONFINED SPACE AUTHORIZED PERSONNEL ONLY	Top of Inspection Hatch on Roof
DRAWING SHEET F2-C103						
F1-003	N/A	Storm Drain Manhole	Sign	DANGER	CONFINED SPACE AUTHORIZED PERSONNEL ONLY	Top of Manhole Lid
F1-004	N/A	Valve Box F1- V1001	Nameplate	N/A	F1-V1001	Top of Valve Box Lid
F1-005	N/A	Valve Box F1- V1002	Nameplate	N/A	F1-V1002	Top of Valve Box Lid
F1-006	N/A	Valve Box F1- V1004	Nameplate	N/A	F1-V1004	Top of Valve Box Lid
DRAWING SHEET F2-C101						
F2-001	N/A	Surge Chamber	Nameplate	N/A	SURGE CHAMBER	Top of Chamber
F2-002	N/A	Surge Chamber	Sign	DANGER	CONFINED SPACE AUTHORIZED PERSONNEL ONLY	Top of Chamber Access Hatch
F2-003	N/A	Surge Chamber	Nameplate	N/A	SURGE TANK	Exterior of Tank Hatch
F2-004	N/A	Surge Chamber	Sign	DANGER	CONFINED SPACE AUTHORIZED PERSONNEL ONLY	Exterior of Tank Hatch
F2-005	N/A	Waste Holding Tank	Nameplate	N/A	WASTE HOLDING TANK	Top of Manhole Lid
F2-006	N/A	Waste Holding Tank	Sign	DANGER	CONFINED SPACE AUTHORIZED PERSONNEL ONLY	Top of Manhole Lid
F2-007	N/A	Waste Holding Tank	Nameplate	N/A	WASTE HOLDING TANK	Top of Manhole Lid
F2-008	N/A	Waste Holding Tank	Sign	DANGER	CONFINED SPACE AUTHORIZED PERSONNEL ONLY	Top of Manhole Lid

SIGN NO.	DOOR NO.	ROOM DESCRIPTION	SIGN TYPE	SIGN TEXT		SIGN LOCATION
				TOP	BOTTOM or CENTERED	
F2-009	N/A	Oil Interceptor	Nameplate	N/A	OIL INTERCEPTOR	Top of Manhole Lid
F2-010	N/A	Oil Interceptor	Sign	DANGER	CONFINED SPACE AUTHORIZED PERSONNEL ONLY	Top of Manhole Lid
F2-011	N/A	Oil Interceptor	Nameplate	N/A	OIL INTERCEPTOR	Top of Manhole Lid
F2-012	N/A	Oil Interceptor	Sign	DANGER	CONFINED SPACE AUTHORIZED PERSONNEL ONLY	Top of Manhole Lid
F2-013	N/A	Flow Meter Vault	Nameplate	N/A	FLOW METER VAULT	Top of Vault Access Hatch
F2-014	N/A	Flow Meter Vault	Sign	DANGER	CONFINED SPACE AUTHORIZED PERSONNEL ONLY	Top of Vault Access Hatch
DRAWING SHEET F2-A101						
F2-015	303	Electrical Room	Nameplate	N/A	ELECTRICAL ROOM	Exterior Side of Door
F2-016	303	Electrical Room	Sign	N/A	EMPLOYEES ONLY	Exterior Side of Door
F2-017	303	Electrical Room	Sign	N/A	EXIT	Interior Side of Door
F2-018	304	Electrical/Pump Room	Nameplate	N/A	PUMP ROOM	Electrical Room Side of
F2-019	304	Pump Room	Sign	CAUTION	AUTOMATIC EQUIPMENT WILL START WITHOUT WARNING	Electrical Room Side of Door
F2-020	304	Electrical/Pump Room	Nameplate	N/A	ELECTRICAL ROOM	Pump Room Side of Door
F2-021	305	Restroom/Pump Room	Sign	N/A	(Unisex Restroom Sign)	Pump Room Side of Door
F2-022	305	Restroom	Sign	CAUTION	NON-POTABLE WATER	Pump Room Side of Door
F2-023	306	Pump Room	Nameplate	N/A	PUMP ROOM	Exterior Side of Door
F2-024	306	Pump Room	Sign	N/A	EMPLOYEES ONLY	Exterior Side of Door
F2-025	306	Pump Room	Sign	CAUTION	AUTOMATIC EQUIPMENT WILL START WITHOUT WARNING	Exterior Side of Door
F2-026	306	Pump Room	Sign	N/A	EXIT	Interior Side of Door

SIGN NO.	DOOR NO.	ROOM DESCRIPTION	SIGN TYPE	SIGN TEXT		SIGN LOCATION
				TOP	BOTTOM or CENTERED	
F2-027	307	Pump Room	Nameplate	N/A	PUMP ROOM	Exterior Side of Door
F2-028	307	Pump Room	Sign	N/A	EMPLOYEES ONLY	Exterior Side of Door
F2-029	307	Pump Room	Sign	CAUTION	AUTOMATIC EQUIPMENT WILL START WITHOUT WARNING	Exterior Side of Door
F2-030	307	Pump Room	Sign	N/A	EXIT	Interior Side of Door
F2-031	N/A	See Section 10400	Project Plaque	N/A	See Section 10400	See Section 10400
F2-032	N/A	Equipment Slab Room	Sign		ALLOWABLE LIVE LOAD 100 PSF	On Wall
F2-033	N/A	Electrical Room	Sign		ALLOWABLE LIVE LOAD 250 PSF	On Wall
F2-034	N/A	Pump Room	Sign		ALLOWABLE LIVE LOAD 250 PSF	On Wall
DRAWING SHEET F2-M101 / M301						
F2-035	N/A	Valve Box V-1001	Nameplate	N/A	V-1001	Top of Valve Box Lid
F2-036	N/A	Valve Box V-2001	Nameplate	N/A	V-2001	Top of Valve Box Lid
F2-037	N/A	Valve Box V-3001	Nameplate	N/A	V-3001	Top of Valve Box Lid
DRAWING SHEET F2-P101						
F2-038	N/A	Pump Room	Nameplate	N/A	NON-POTABLE WATER	On West Interior Wall Next to Hose Faucet
F2-039	N/A	Pump Room	Nameplate	N/A	NON-POTABLE WATER	On East Interior Wall Next to Hose Faucet
F2-040	N/A	Pump Room	Nameplate	N/A	NON-POTABLE WATER	On West Interior Wall Next to Wall Hydrant
F2-041	N/A	Pump Room	Nameplate	N/A	NON-POTABLE WATER	On West Interior Wall Next to Wall Hydrant

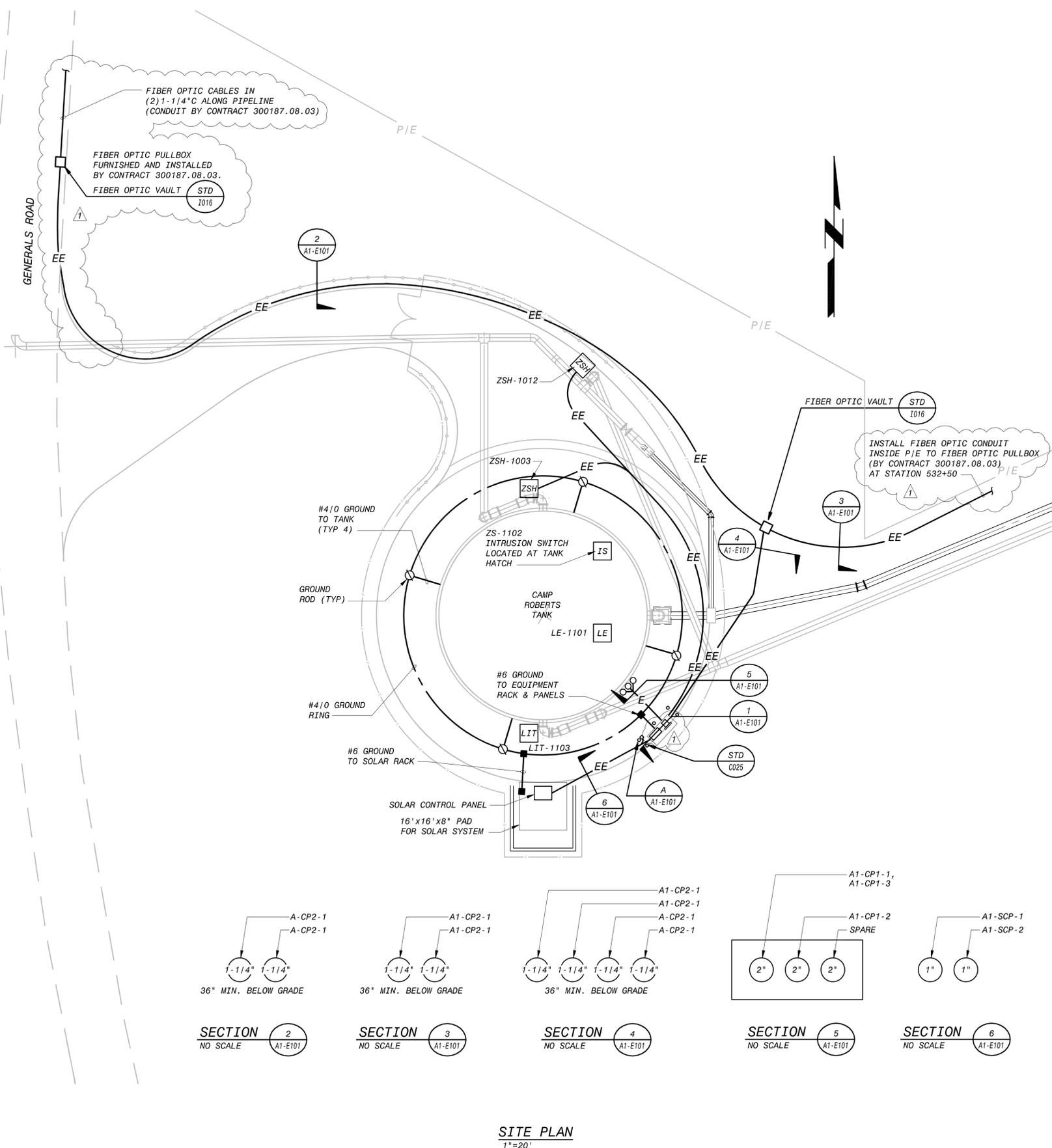
SIGN NO.	DOOR NO.	ROOM DESCRIPTION	SIGN TYPE	SIGN TEXT		SIGN LOCATION
				TOP	BOTTOM or CENTERED	
F2-042	N/A	Pump Room	Nameplate	N/A	NON-POTABLE WATER	On West Exterior Wall Next to Wall Hydrant
F2-043	N/A	Pump Room	Nameplate	N/A	NON-POTABLE WATER	On West Exterior Wall Next to Wall Hydrant
DRAWING SHEET F2-E101						
F2-041	N/A	Fiber Optic Vault	Nameplate	N/A	ROCKY CANYON PUMP STATION	On Top of Vault Lid
DRAWING SHEET G2-C101 / G401						
G2-001	N/A	Cuesta Tunnel Tank	Nameplate	N/A	CUESTA TUNNEL TANK VOL: 300,000 GAL MIN WS EL: 1353 MAX WS EL: 1370	Exterior Tank Wall
G2-002	N/A	Cuesta Tunnel Tank	Sign	DANGER	CONFINED SPACE AUTHORIZED PERSONNEL ONLY	Top of Inspection Hatch on Roof
DRAWING SHEET G2-E101						
G2-003	N/A	Fiber Optic Vault	Nameplate	N/A	CUESTA TUNNEL TANK	On Top of Vault Lid

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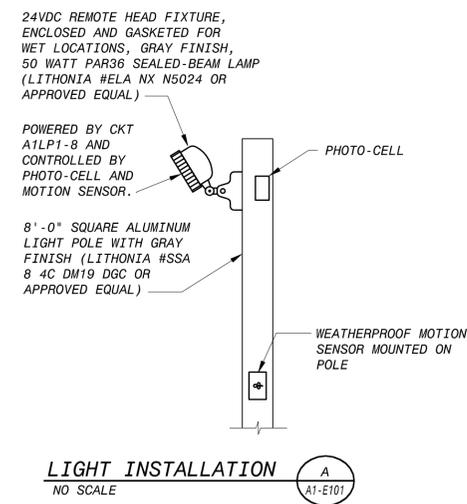
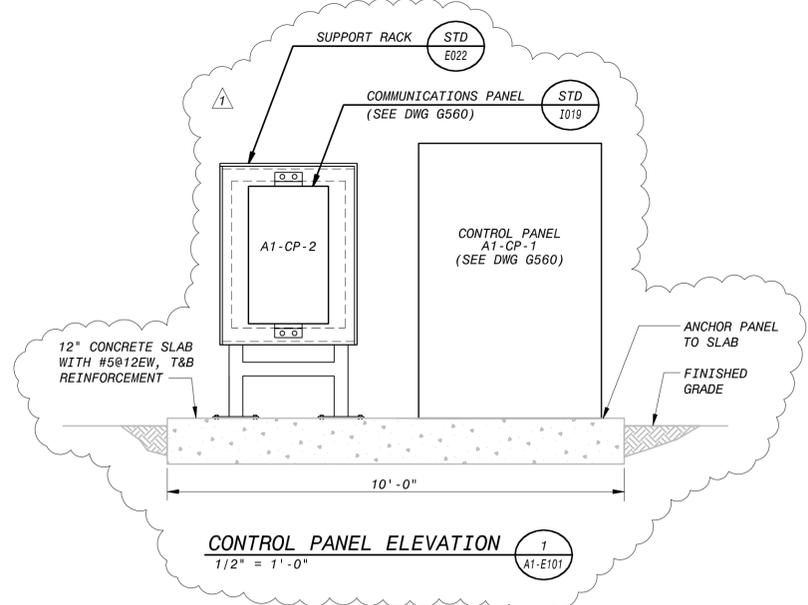
Contract 300187.08.02
Addendum No. 2

Attachment 2 - Contract Drawings G003, A1-E101, and G2-E101 (Revised)

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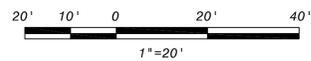


SITE PLAN
1"=20'



NOTES:

- SEE STD-GE01 THROUGH STD-GE10 FOR LEGEND AND ABBREVIATIONS AND GENERAL NOTES.
- UNIT CODE IS "A1" UNLESS OTHERWISE NOTED.



0 1/2 1

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE

DATE	REVISED FOR ADDENDUM 2	NO.	BY	CHK	APP
05/09/07	137522-E-EP2-N0000R1CT	1	JCP	JJW	
CYGNET ID: 137522-E-EP2-N0000R1CT	WF: A1-E101.dwg	XREF1:A-C-TANK01.dwg			
SAVED: PAR38317_7/12/2007 7:59:50 AM	PLOTTED: 6/14/2007 1:27:23 PM	XREF2:Signatures.dwg			
USER: PAR38317	DWG: VER:5.0	XREF3:C-TOP010.dwg			
		XREF4:A1-C-TANK.dwg			
		XREF5:A1-C-PIPE.dwg			

PROFESSIONAL ENGINEER
MARK A. KLEVEB
No. E. 17748
Exp. 03/31/08
STATE OF CALIFORNIA
05/09/07

BLACK & VEATCH
building a world of difference™

ENERGY WATER INFORMATION GOVERNMENT

BOYLE
ENGINEERING CORPORATION

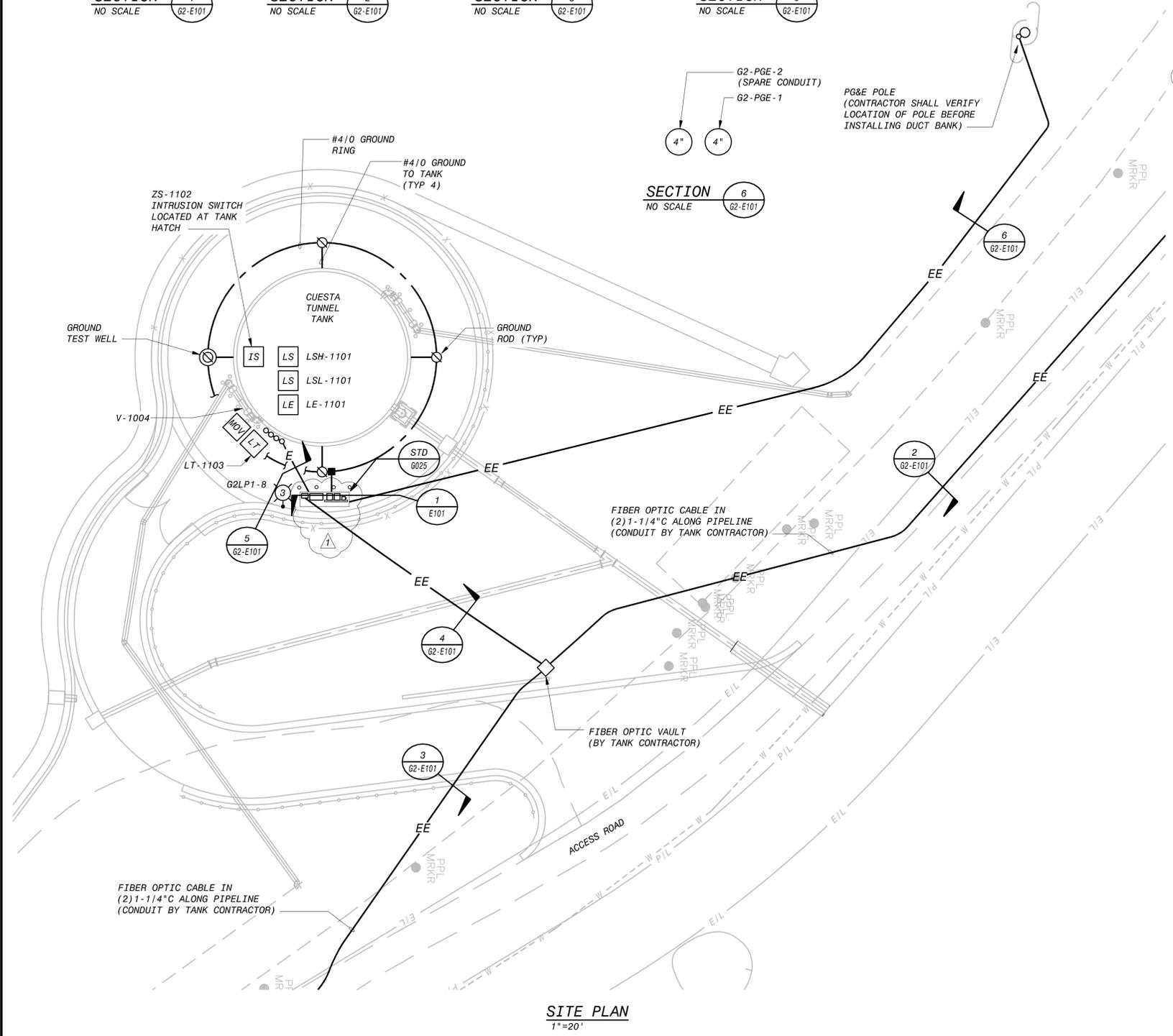
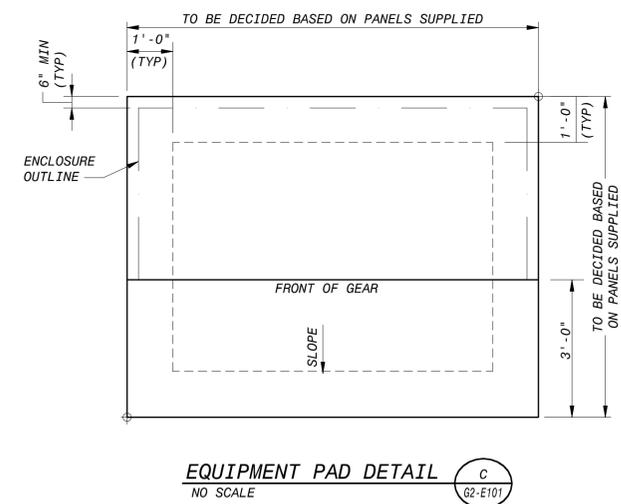
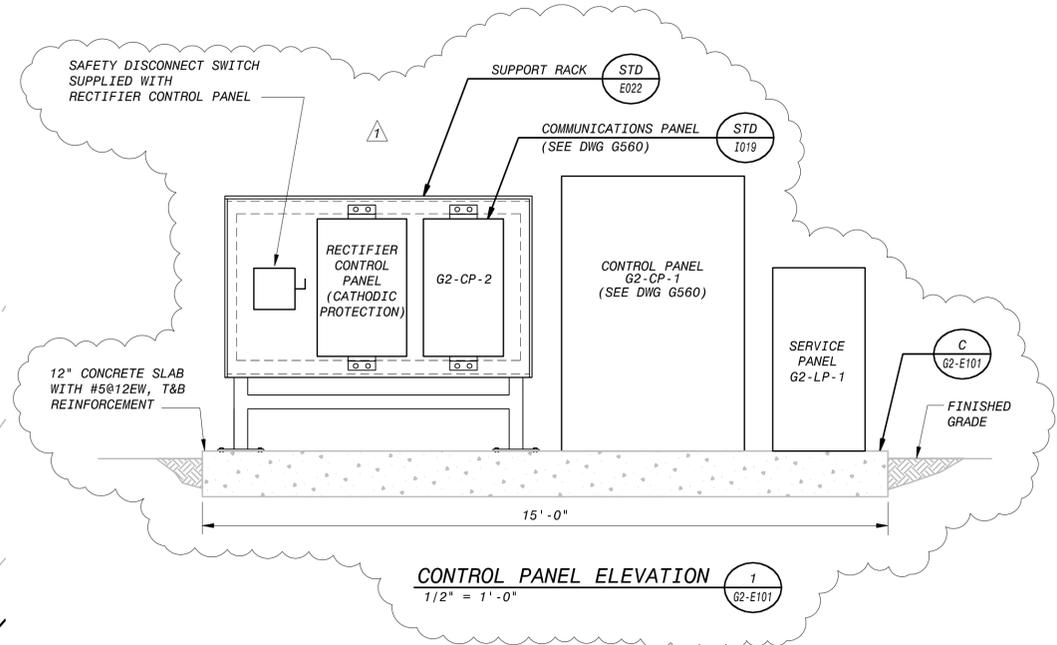
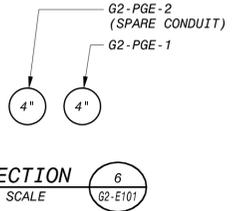
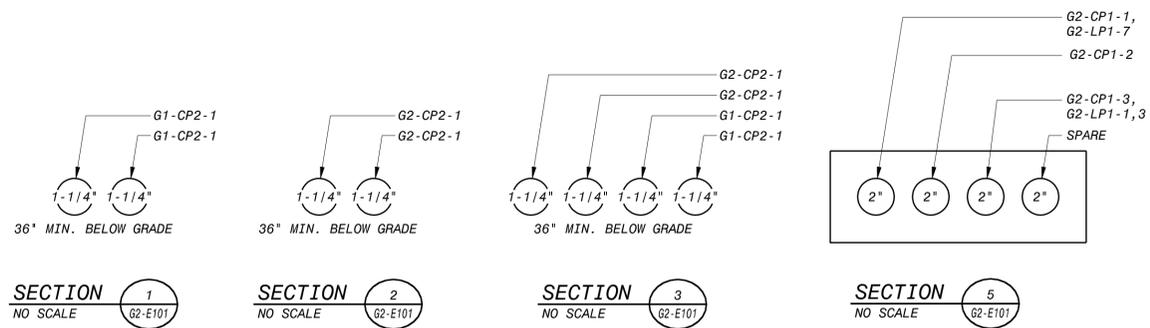
NWP NACIMIENTO WATER PROJECT
San Luis Obispo County Flood Control & Water Conservation District

UNIT A1 - CAMP ROBERTS TANK ELECTRICAL SITE PLAN

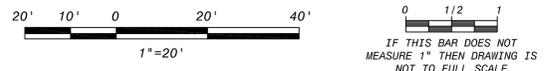
DESIGNED: JCP, JJW
 DETAILED: JCP
 CHECKED: SK
 APPROVED: MJK
 DATE: 05/09/07

BY PROJECT NO. 137522
 NWP PROJECT NO. 300187.08
 SPEC 02

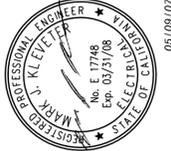
A1-E101 SHEET
87 OF 179



- NOTES:**
- SEE STD-G001 THROUGH STD-G010 FOR LEGEND AND ABBREVIATIONS AND GENERAL NOTES.
 - UNIT CODE IS "G2" UNLESS OTHERWISE NOTED.
 - REFER TO SPEC 16641 FOR CATHODIC PROTECTION SYSTEM FOR THE TANK.



DESIGNED: JCP, JJW	REVISED FOR ADDENDUM 2	DATE	NO. BY CK APP
DETAILED: JCP	REVIEWS AND RECORD OF ISSUE	DATE	NO. BY CK APP
CHECKED: SK	DATE	DATE	NO. BY CK APP
APPROVED: MJK	DATE	DATE	NO. BY CK APP
DATE: 05/09/07	DATE	DATE	NO. BY CK APP
BV PROJECT NO. 137522	CYGNET ID: 137522-E-IMP-N000R000	DATE	NO. BY CK APP
NWP PROJECT NO. 300187.08	WF: G2-E101.dwg	DATE	NO. BY CK APP
SPEC 02	SAVED: PAR38317_71212007 7:43:54 AM	DATE	NO. BY CK APP
G2-E101 SHEET 170 OF 179	PLOTTED: GUT48251_5/23/2007 11:24:32 AM	DATE	NO. BY CK APP
	USER: PAR38317	DATE	NO. BY CK APP
	DWG VER: 5.0	DATE	NO. BY CK APP



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 ENERGY WATER INFORMATION GOVERNMENT

BOYLE ENGINEERING CORPORATION

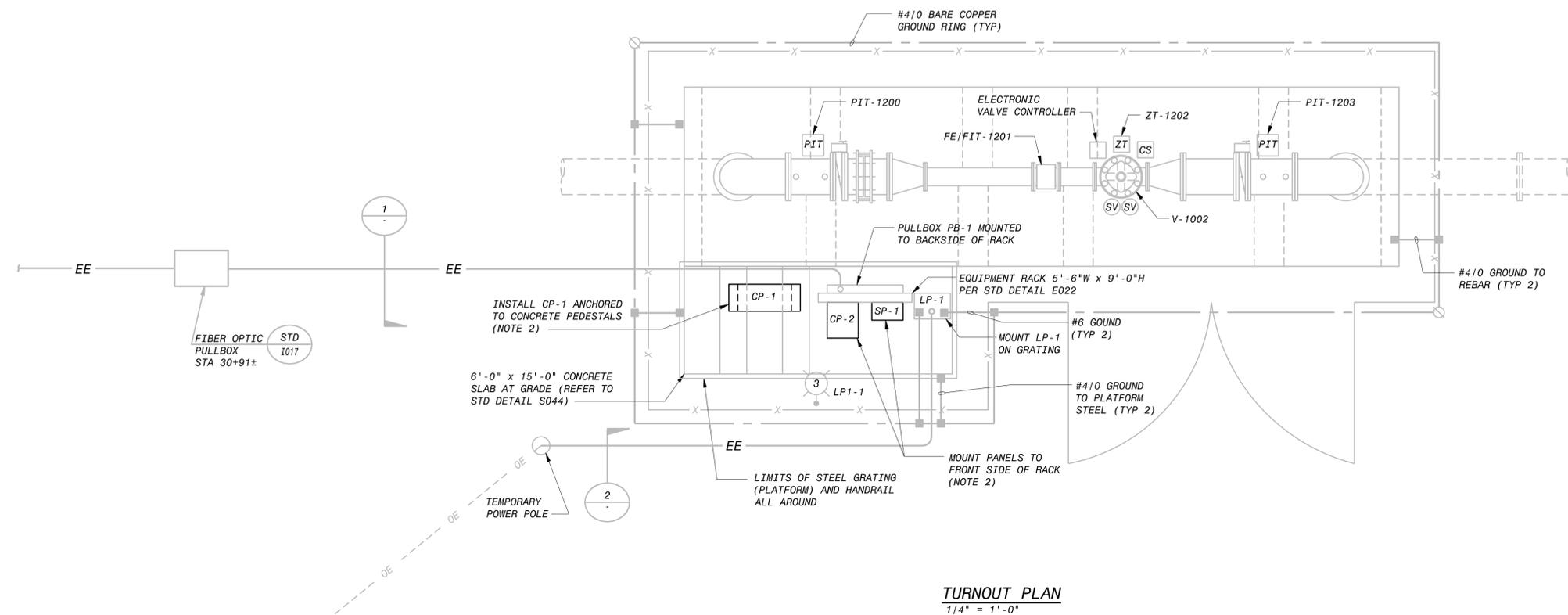
NWP NACIMIENTO WATER PROJECT
 San Luis Obispo County Flood Control & Water Conservation District

UNIT G2 - CUESTA TUNNEL TANK ELECTRICAL SITE PLAN

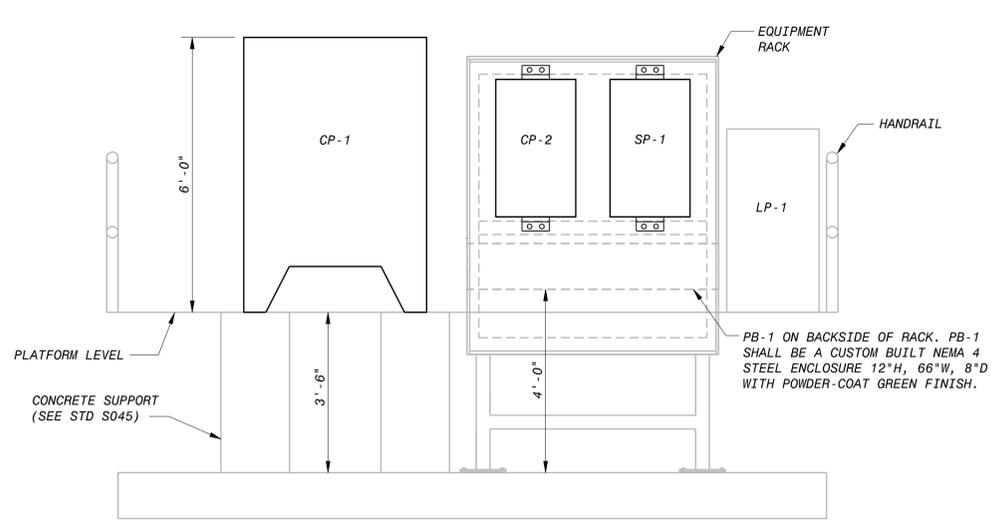
Contract 300187.08.02
Addendum No. 2

Attachment 3 - Contract Drawings for Turnouts T2, T4, T6, and T11

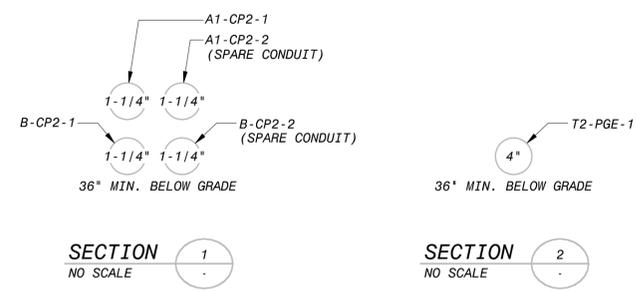
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TURNOUT PLAN
1/4" = 1'-0"



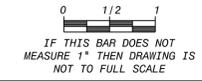
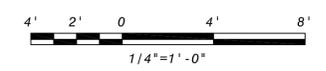
CONTROL PANEL ELEVATION
1/2" = 1'-0"



SECTION 1
NO SCALE

SECTION 2
NO SCALE

- NOTES:**
- SEE STD-GE01 THROUGH STD-GE10 FOR LEGEND AND ABBREVIATIONS AND GENERAL NOTES.
 - INSTALLATION OF CP-1, CP-2, AND SP-1 SHALL BE BY THE NWP FACILITIES CONTRACTOR, CONTRACT 300187.08.02.
- PIPELINE CONTRACTOR, CONTRACT 300187.08.04, WILL FURNISH AND INSTALL ALL OTHER DEVICES SHOWN ON THIS DRAWING.



NO.	BY	CHK	APP

REVIEWS AND RECORD OF ISSUE

DATE	REVISED BY	REVISION

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ENERGY WATER INFORMATION GOVERNMENT

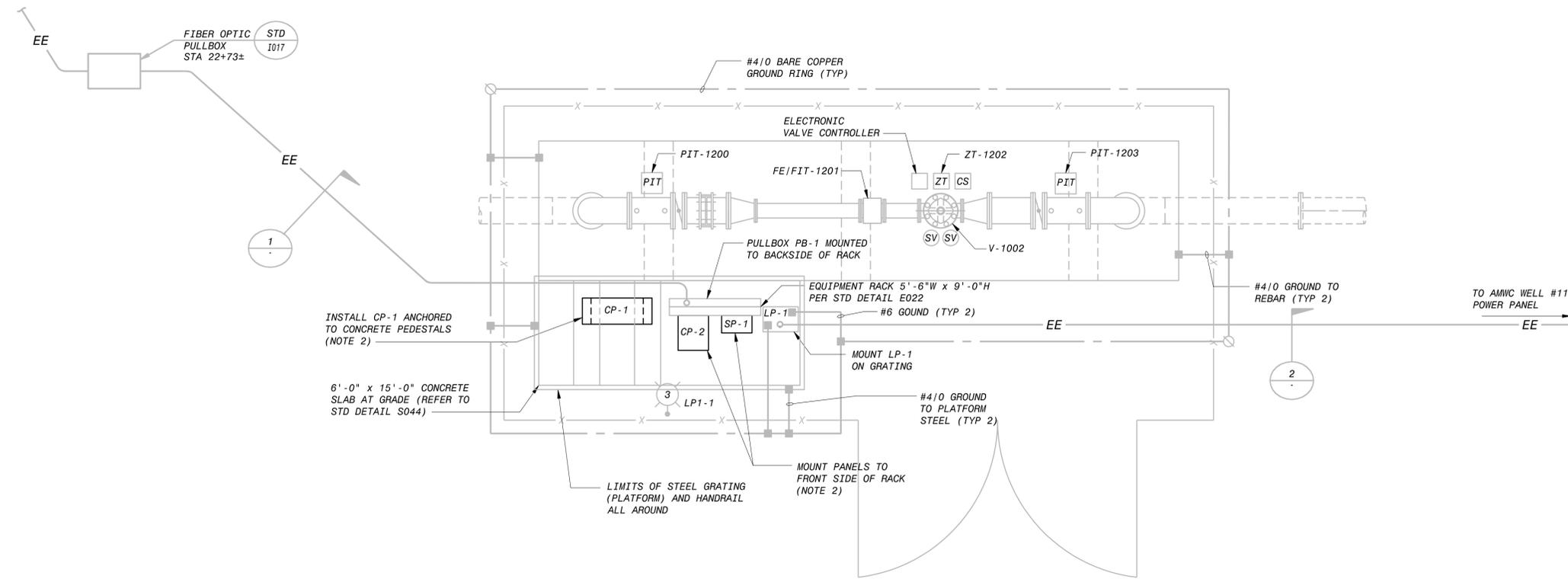
BOYLE
ENGINEERING CORPORATION

NWP NACIMIENTO WATER PROJECT
San Luis Obispo County Flood Control & Water Conservation District

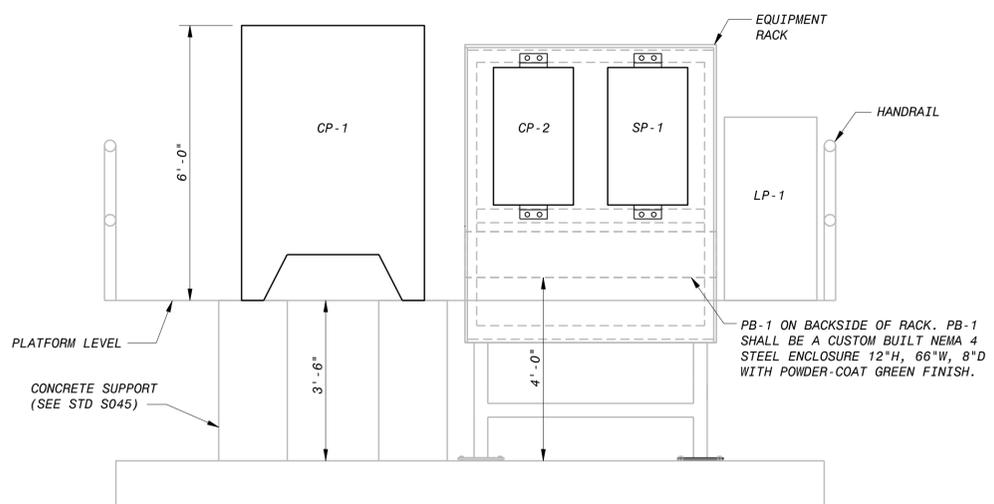
UNIT T2 - PASO ROBLES TURNOUT ELECTRICAL PLAN AND SECTIONS

DESIGNED: JJW
DETAILED: SMM
CHECKED: SK
APPROVED: MJK
DATE: 07/24/07
BY PROJECT NO. 137522
NWP PROJECT NO. 300187.08
SPEC 02
T2-E101 SHEET 176 OF 179

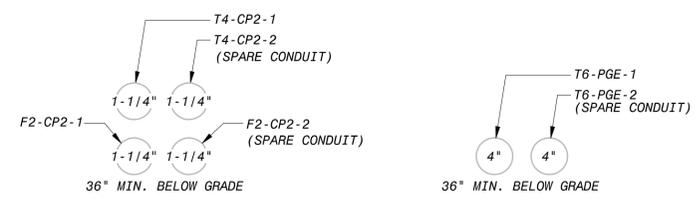
FP/137522
D/137522



TURNOUT PLAN
1/4" = 1'-0"



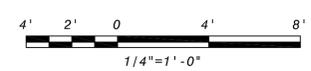
CONTROL PANEL ELEVATION
1/2" = 1'-0"



SECTION 1
NO SCALE

SECTION 2
NO SCALE

- NOTES:**
- SEE STD-GE01 THROUGH STD-GE10 FOR LEGEND AND ABBREVIATIONS AND GENERAL NOTES.
 - INSTALLATION OF CP-1, CP-2, AND SP-1 SHALL BE BY THE MIP FACILITIES CONTRACTOR, CONTRACT 300187.08.02.
- PIPELINE CONTRACTOR, CONTRACT 300187.08.04, WILL FURNISH AND INSTALL ALL OTHER DEVICES SHOWN ON THIS DRAWING.

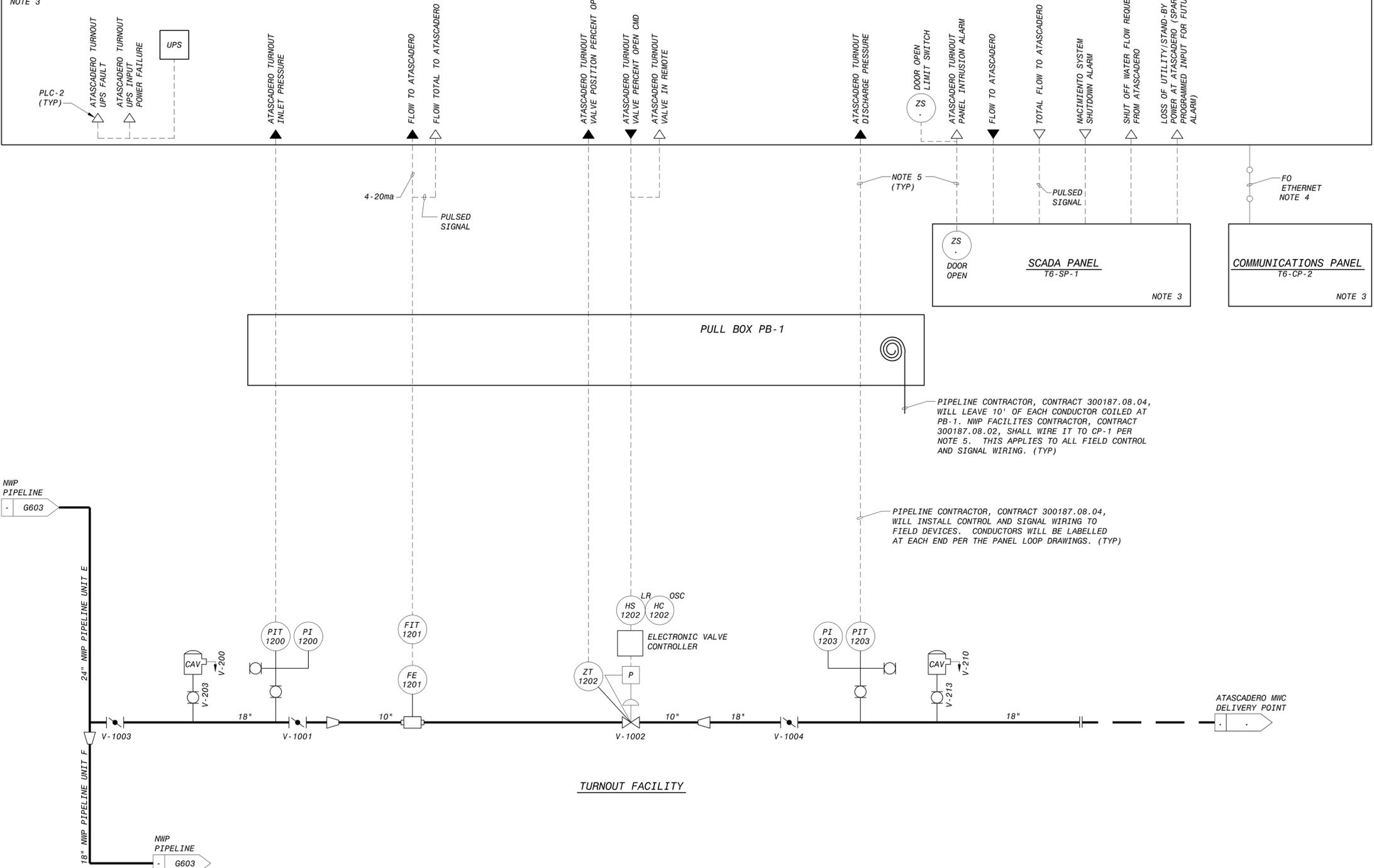


IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE

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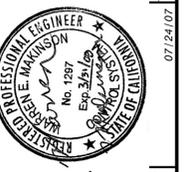
T6-CP-1

NOTE 3



NOTES:

1. SEE STD-GI-01 THROUGH STD-GI-15 FOR LEGEND.
2. UNIT CODE IS "T6" UNLESS OTHERWISE NOTED.
3. CP-1, CP-2 AND SP-1 SHALL BE FURNISHED AND INSTALLED BY NWP FACILITIES CONTRACTOR, CONTRACT NO. 300187.08.02.
4. FIBER OPTIC CABLE BETWEEN PANELS SHALL BE FURNISHED AND INSTALLED BY NWP FACILITIES CONTRACTOR, CONTRACT 300187.08.02.
5. FIELD WIRING BETWEEN PANELS AND FROM PB-1 TO PANELS SHALL BE FURNISHED AND INSTALLED BY NWP FACILITIES CONTRACTOR, CONTRACT NO. 300187.08.02.
6. LOOP, INTERCONNECTION, AND FIBER OPTIC CABLE CONNECTION DIAGRAMS SHALL BE PROVIDED BY THE NWP FACILITIES CONTRACTOR, CONTRACT 300187.08.02, PER SPECIFICATION 13500.
7. FIELD INSTRUMENTS AND VALVES WILL BE PROVIDED BY THE PIPELINE CONTRACTOR, CONTRACT 300187.08.04 (PIPELINE CENTRAL).
8. FIELD INSTALLATION SUPERVISION AND LOOP TESTING AT TURNOUTS T2, T4, AND T6 REFERENCE PIPELINE CONTRACT 300187.08.04 (PIPELINE CENTRAL) SHALL BE PROVIDED BY THE NWP FACILITIES CONTRACTOR, CONTRACT 300187.08.02, PER SPECIFICATION 13500.



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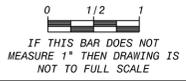
ENERGY WATER INFORMATION GOVERNMENT

BOYLE
ENGINEERING CORPORATION

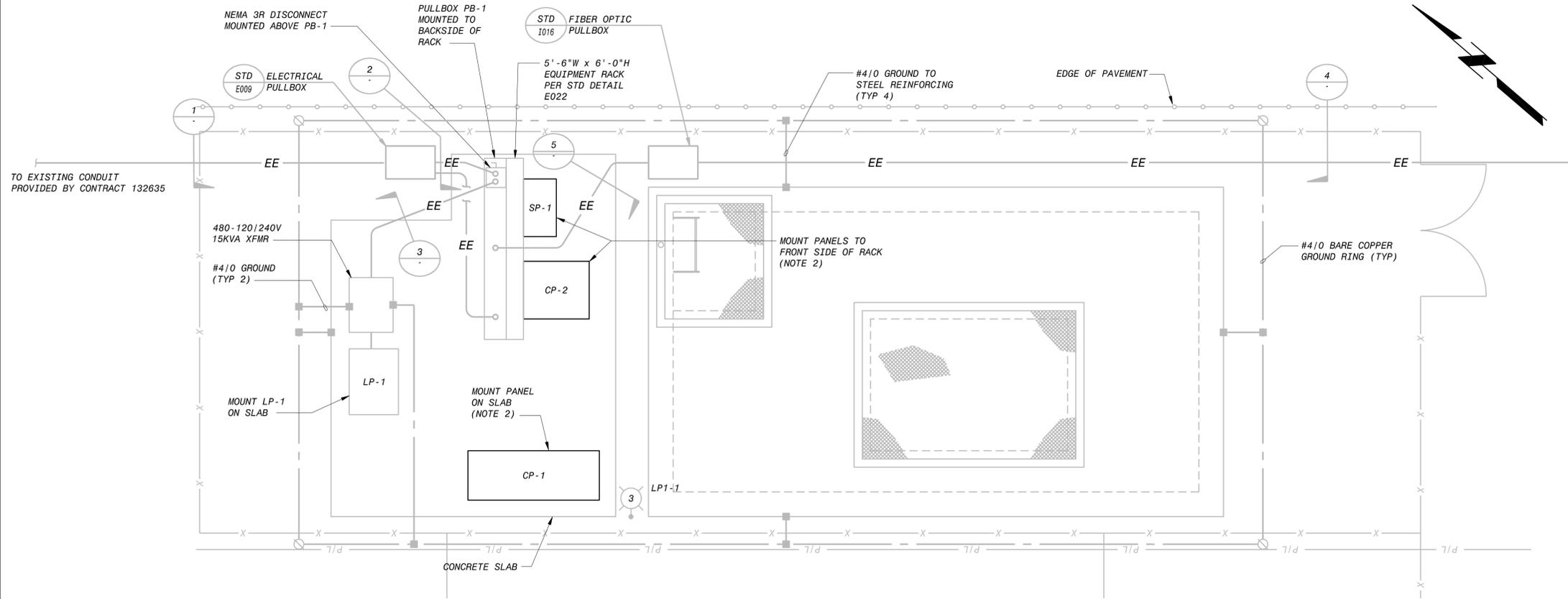
NWP NACIMIENTO WATER PROJECT
San Luis Obispo County Flood Control & Water Conservation District

UNIT T6 - ATASCADERO TURNOUT
INSTRUMENTATION
P&ID

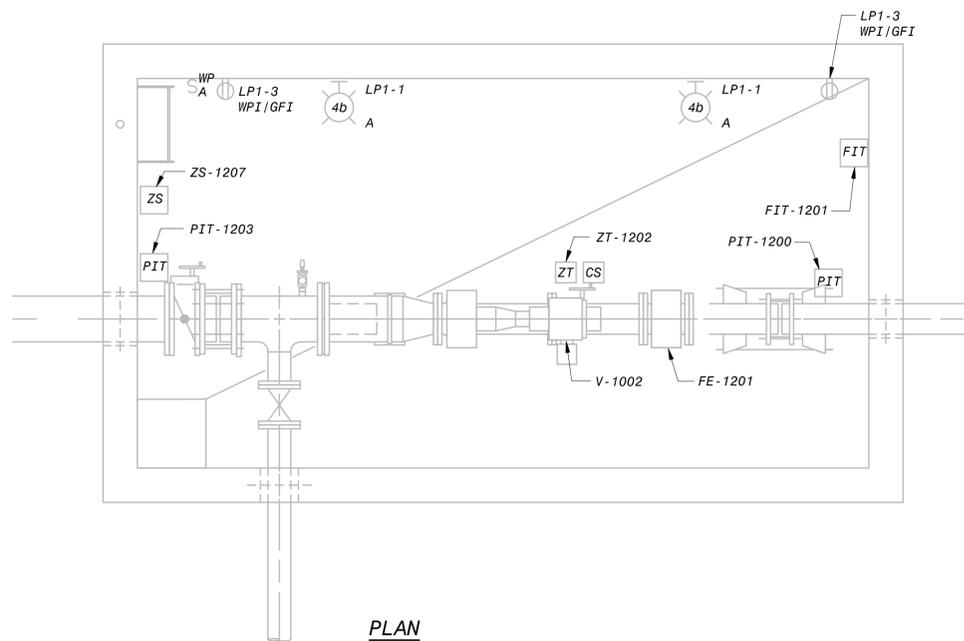
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DETAILED:	SMM
CHECKED:	WEM
APPROVED:	WEM
DATE:	07/24/07
BY PROJECT NO.	137522
NWP PROJECT NO.	300187.08
SPEC	02
T6-I601	
SHEET	
179D OF 179	



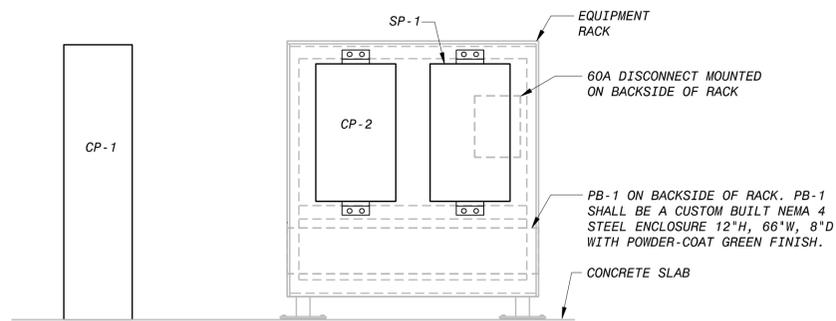
FD 137522
D 137522



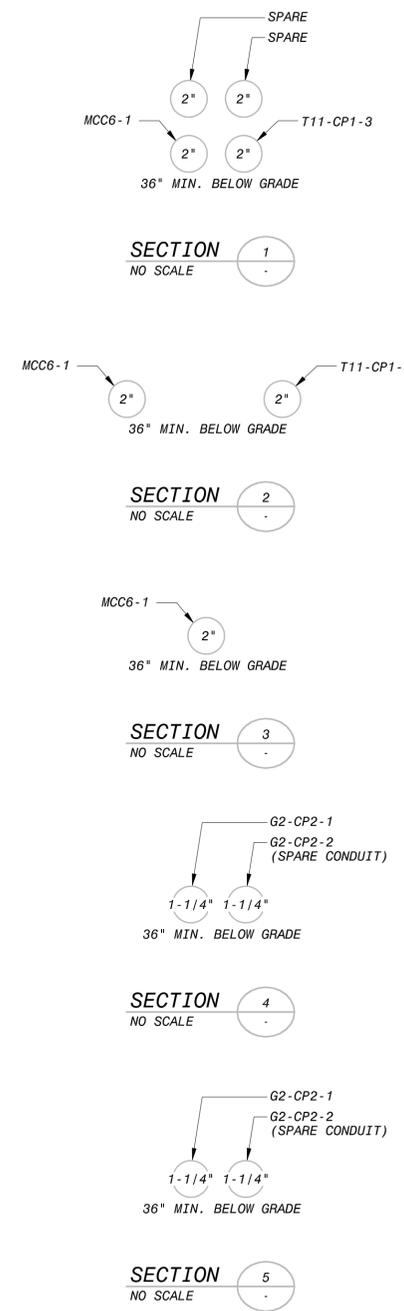
ROOF PLAN
1/2" = 1'-0"



PLAN
1/2" = 1'-0"

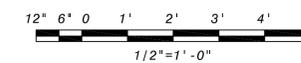


CONTROL PANEL ELEVATION
1/2" = 1'-0"



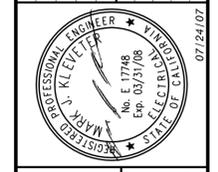
NOTES:

- SEE STD-GE01 THROUGH STD-GE10 FOR LEGEND AND ABBREVIATIONS AND GENERAL NOTES.
 - INSTALLATION OF CP-1, CP-2, AND SP-1 SHALL BE BY THE NWP FACILITIES CONTRACTOR, CONTRACT 300187.08.02.
- PIPELINE CONTRACTOR, CONTRACT 300187.08.05, WILL FURNISH AND INSTALL ALL OTHER DEVICES SHOWN ON THIS DRAWING.



0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1\"/>

NO.	BY	CHK	APP



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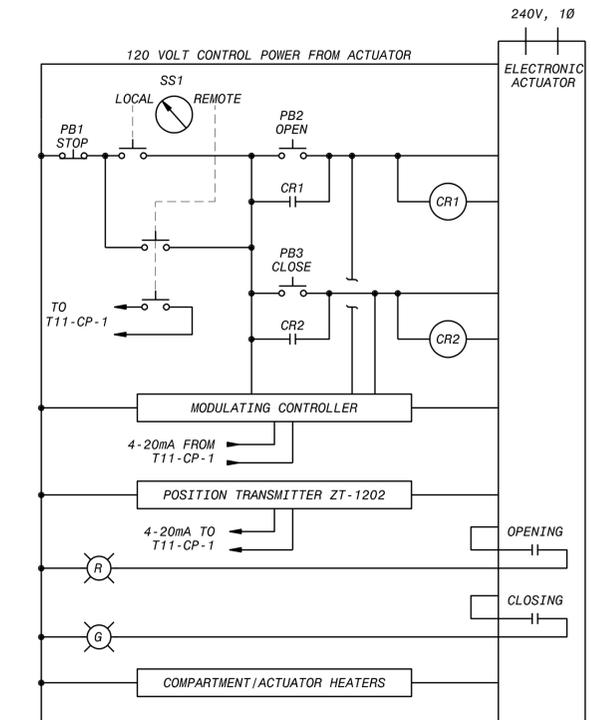
ENERGY WATER INFORMATION GOVERNMENT

BOYLE
ENGINEERING CORPORATION

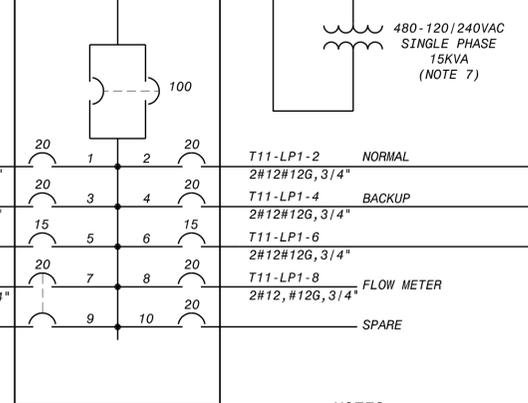
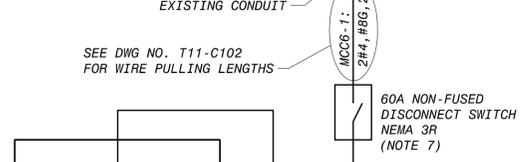
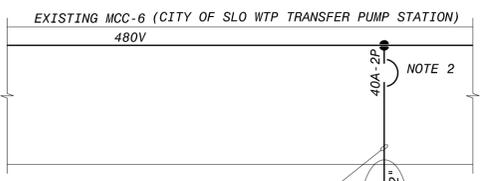
NWP NACIMIENTO WATER PROJECT
San Luis Obispo County Flood Control & Water Conservation District

UNIT T11 - CITY OF SAN LUIS OBISPO TURNOUT
ELECTRICAL
PLANS AND SECTIONS

DESIGNED: JMW
DETAILED: SMM
CHECKED: SK
APPROVED: MJK
DATE: 07/24/07
BV PROJECT NO. 137522
NWP PROJECT NO. 300187.08
SPEC 02
T11-E101 SHEET 179 OF 179



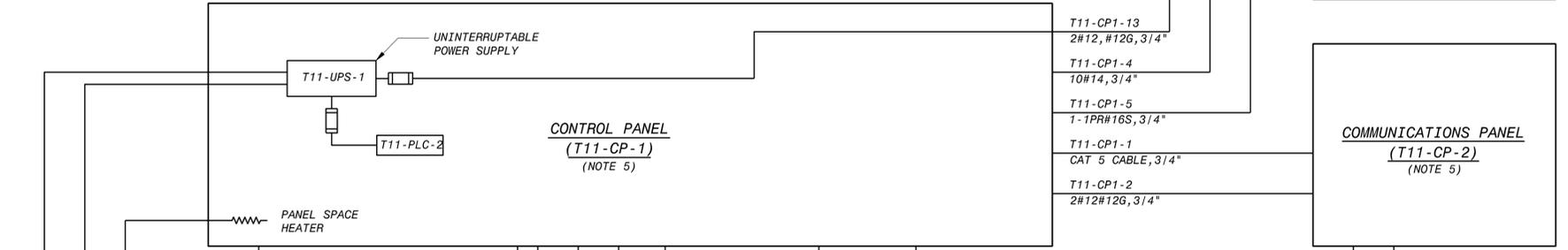
VALVE V-1002
NOTE 10



**SERVICE ENTRANCE
PANELBOARD (T11-LP-1)**
(NOTE 7)

NOTES:

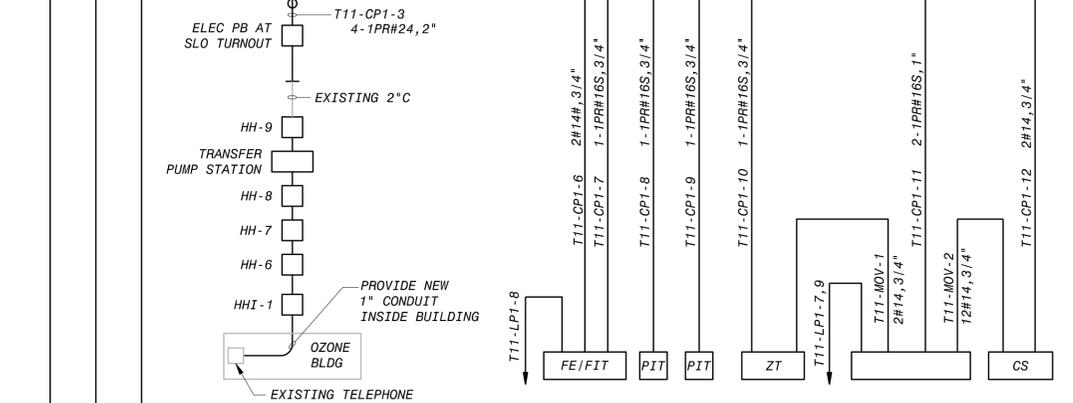
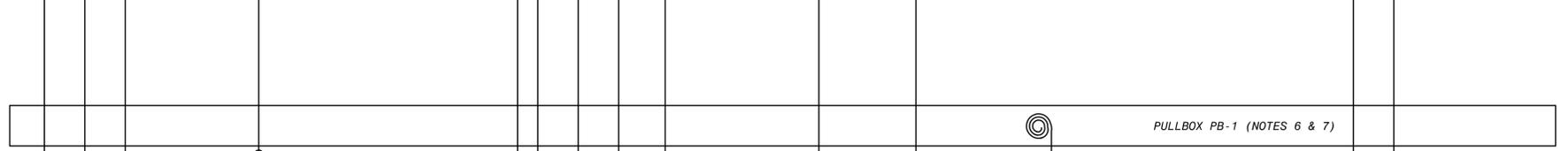
- SEE STD-GE01 THROUGH STD-GE10 FOR LEGEND AND ABBREVIATIONS AND GENERAL NOTES.
- PIPELINE CONTRACTOR, CONTRACT 300187.08.05, WILL PROVIDE AND INSTALL A NEW 480V 40A-2P BREAKER IN THE EXISTING MCC-6 LOCATED IN THE CITY OF SAN LUIS OBISPO WATER TREATMENT PLANT TRANSFER PUMP STATION.
- FOR BIDDING PURPOSES ASSUME THE FOLLOWING CIRCUIT LENGTH: CKT. T11-CP1-3 IS 855 FT. LONG.
- WORK THIS DRAWING WITH DRAWING T11-C102, CONTRACT 300187.08.05, AND DRAWING EG002 OF CONTRACT 132635.



**CONTROL PANEL
(T11-CP-1)**
(NOTE 5)

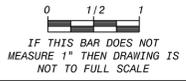
**SCADA PANEL
(T11-SP-1)**
(NOTE 5)

**COMMUNICATIONS PANEL
(T11-CP-2)**
(NOTE 5)

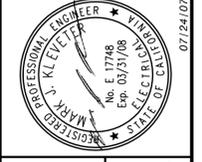


**SAN LUIS OBISPO TURNOUT - T11
ONE-LINE DIAGRAM**
NO SCALE

- CP-1, CP-2, & SP-1 SHALL BE FURNISHED AND INSTALLED BY NWP FACILITIES CONTRACTOR, CONTRACT 300187.08.02.
- FIELD WIRING AND CONDUITS BETWEEN PANELS AND FROM PANELS TO PB-1 SHALL BE FURNISHED AND INSTALLED BY NWP FACILITIES CONTRACTOR, CONTRACT 300187.08.02.
- PIPELINE CONTRACTOR, CONTRACT 300187.08.05, WILL FURNISH AND INSTALL 60A DISCONNECT SWITCH, 15KVA TRANSFORMER, SERVICE ENTRANCE PANELBOARD LP-1 AND PULLBOX PB-1. ALL ELECTRICAL POWER WIRING FROM LP-1 TO FIELD DEVICES, LIGHT FIXTURES, AND RECEPTACLES WILL BE FURNISHED AND INSTALLED BY THE PIPELINE CONTRACTOR, CONTRACT 300187.08.05, AND CONDUCTORS WILL BE LABELED AT BOTH ENDS.
- PIPELINE CONTRACTOR, CONTRACT 300187.08.05, WILL LEAVE 2 COILS OF 50' LONG F.O. CABLE COILED AT THE FIBER OPTIC PULLBOX. NWP FACILITIES CONTRACTOR, CONTRACT 300187.08.02, SHALL PULL THE CABLE INTO CP-2 AND SPLICE IT.
- PIPELINE CONTRACTOR, CONTRACT 300187.08.05, WILL FURNISH AND INSTALL (2) 1-1/4" EMPTY CONDUITS FROM THE FIBER OPTIC PULLBOX TO PB-1.
- PIPELINE CONTRACTOR, CONTRACT 300187.08.05, WILL INSTALL PB1, PB2, PB3, SS1, CR1, CR2 & INDICATOR LIGHTS IN A NEMA 4 ENCLOSURE WITH TERMINAL BLOCKS FOR ALL EXTERNAL CONNECTIONS; MOUNTED NEAR VALVE WITH LIGHTS MOUNTED ON THE FACE OF THE ENCLOSURE.



DATE	REVISITONS AND RECORD OF ISSUE	NO.	BY	APP.
07/24/07	USER: PAR38317			
	PLOTTED: MCO10764, 7/23/2007 4:36:53 PM			
	SAVED: PAR38317, 7/31/2007 3:25:19 PM			
	WF: BP2-T11-E601.dwg			
	CYGNET ID: 137522-E-BP2-N0000VZ0			



BLACK & VEATCH
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ENERGY WATER INFORMATION GOVERNMENT

BOYLE
ENGINEERING CORPORATION

NWP NACIMIENTO WATER PROJECT
San Luis Obispo County Flood Control & Water Conservation District

UNIT T11 - SAN LUIS OBISPO TURNOUT
ELECTRICAL
ONE-LINE DIAGRAM

DESIGNED: JJJ
DETAILED: SMM
CHECKED: SK
APPROVED: MJK
DATE: 07/24/07

BY PROJECT NO. 137522
NWP PROJECT NO. 300187.08
SPEC 02
T11-E601 SHEET 179A OF 179

Contract 300187.08.02
Addendum No. 2

Attachment 4 - Pothole Data (for Appendix F)

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NWP NACIMIENTO WATER PROJECT
 San Luis Obispo County Flood Control & Water Conservation District

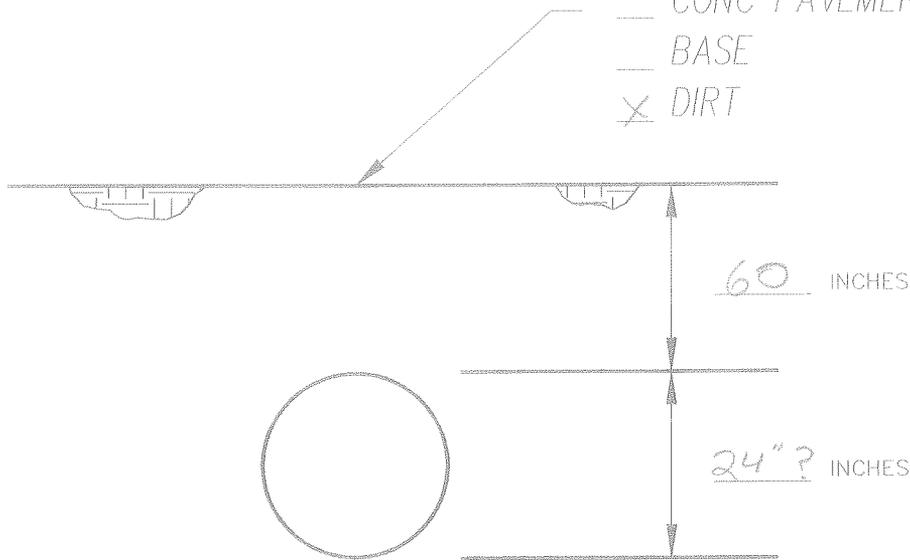
UNIT G-2
 STA N/A
 DWG C103
 P.H. NO. 1

PHYSICAL LOCATION

Access Rd. 300'
West of HWY 101
.7 miles north of Tassajara

UTILITY TYPE Water
 UTILITY MATERIAL Steel (Plastic wrap)
 UTILITY COMPANY County Water

- AC PAVEMENT (___ INCHES THICK)
- CONC PAVEMENT (___ INCHES THICK)
- BASE (___ INCHES THICK)
- DIRT (___ INCHES THICK)

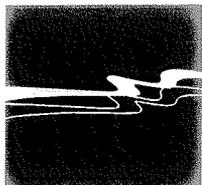


ASSOCIATED PICTURES

HORIZONTAL LOCATION SEE ATTACHED SKETCH
SEE SEPARATE SURVEY

FIELD COMMENTS / NOTES

Noe sure of exact size of water line



WALLACE GROUP

1-30-07 DATE MGE Under-ground. CONTRACTOR
 _____ DATE _____ FIELD ENGR.

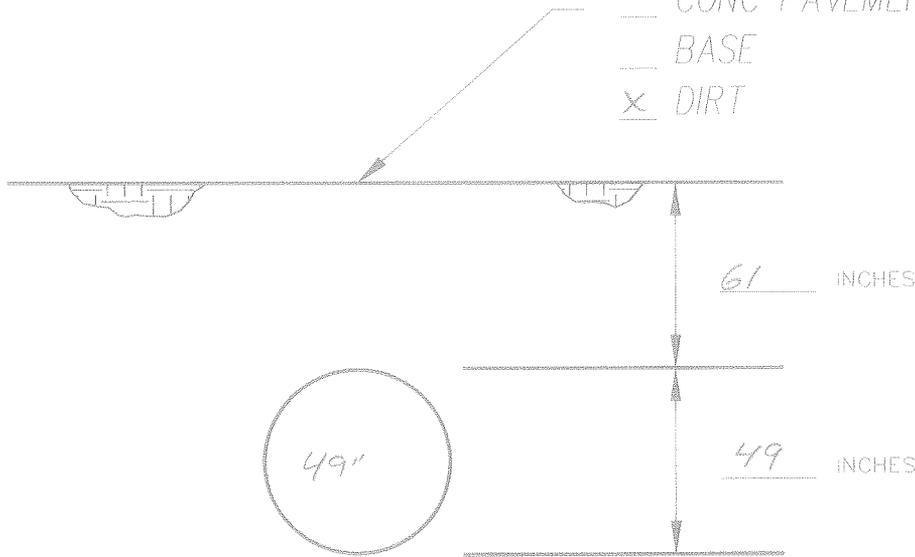


UNIT G-2
 STA N/A
 DWG C103
 P.H. NO. 2

PHYSICAL LOCATION
Staked

UTILITY TYPE Water
 UTILITY MATERIAL Steel w concrete coat
 UTILITY COMPANY CCWA

- AC PAVEMENT (INCHES THICK)
- CONC PAVEMENT (INCHES THICK)
- BASE (INCHES THICK)
- DIRT (INCHES THICK)



ASSOCIATED PICTURES

HORIZONTAL LOCATION SEE ATTACHED SKETCH
SEE SEPARATE SURVEY

FIELD COMMENTS / NOTES

line is located 15' North of where it was staked by
Surveyor



WALLACE GROUP

11/30/07 DATE MCE Underground CONTRACTOR
 _____ DATE _____ FIELD ENGR.



NWP NACIMIENTO WATER PROJECT
 San Luis Obispo County Flood Control & Water Conservation District

UNIT G-2
 STA N/A
 DWG C103
 P.H. NO. 3

PHYSICAL LOCATION

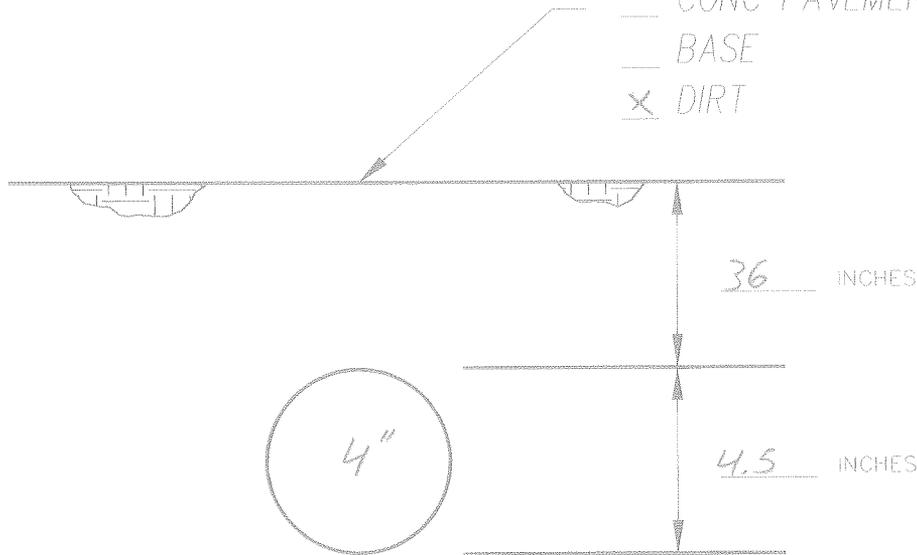
Sealed

UTILITY TYPE fiber

UTILITY MATERIAL 4" sch. 40 PVC

UTILITY COMPANY CCWA

- AC PAVEMENT (___ INCHES THICK)
- CONC PAVEMENT (___ INCHES THICK)
- BASE (___ INCHES THICK)
- DIRT (___ INCHES THICK)



ASSOCIATED PICTURES

HORIZONTAL LOCATION SEE ATTACHED SKETCH
SEE SEPARATE SURVEY

FIELD COMMENTS / NOTES

located where it was staked



11/30/07 DATE MGE Underground CONTRACTOR

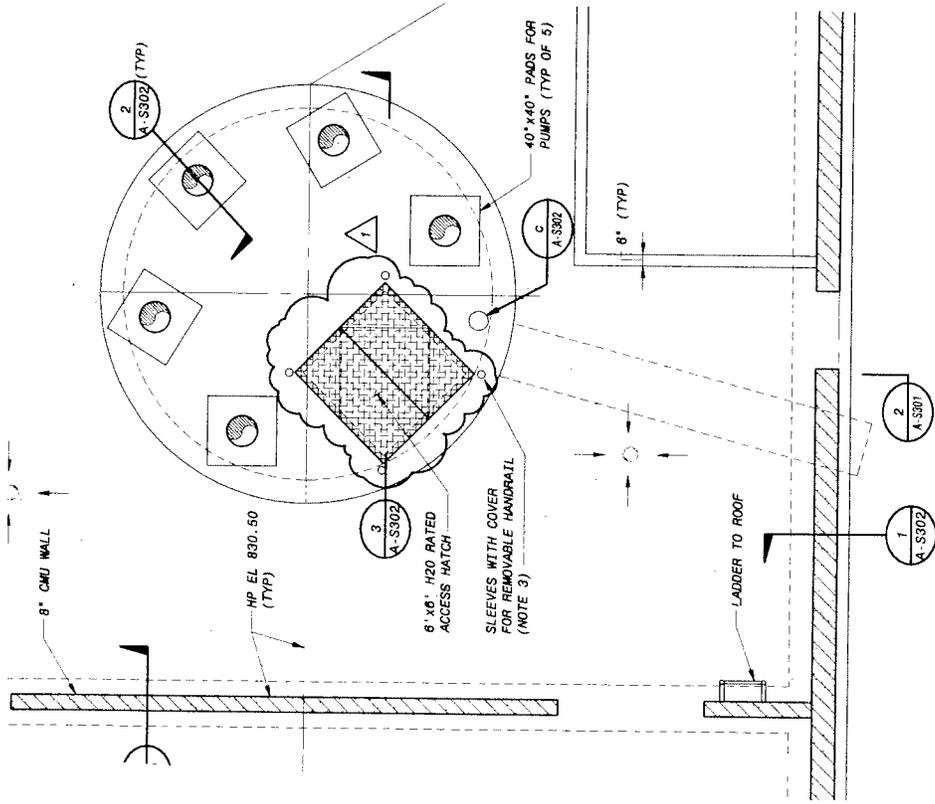
DATE FIELD ENGR.

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Contract 300187.08.02
Addendum No. 2

Attachment 5 - Sketches 300187.08.02-SK25 – 300187.08.02-SK30

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PLAN
1/4" = 1'-0"

Revision to Shaft Hatch

Sheet No.

51 of 179

Nacimientto Water Project
NWP Facilities

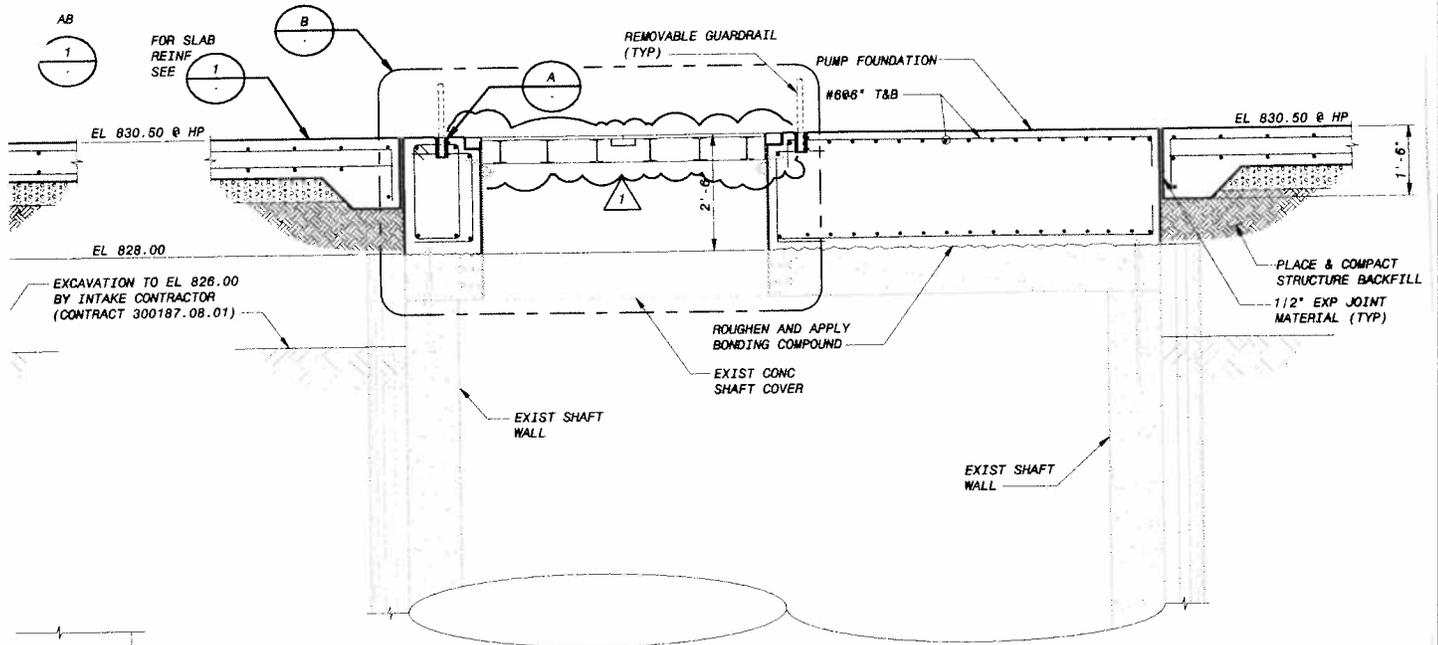
Contract No. 300187.08.02

Drawing No.

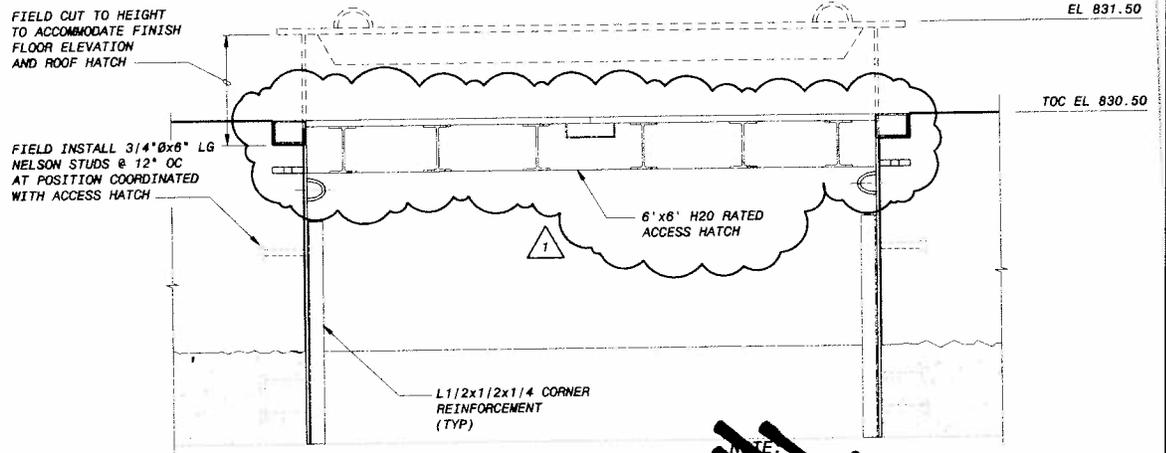
A-S101

Sketch No.

300187.08.02-SK25



SECTION 3
1/2" = 1'-0" (A-S107)



DETAIL B
1" = 1'-0"

Modified Hatch Details

Sheet No.

54 of 179

Drawing No.

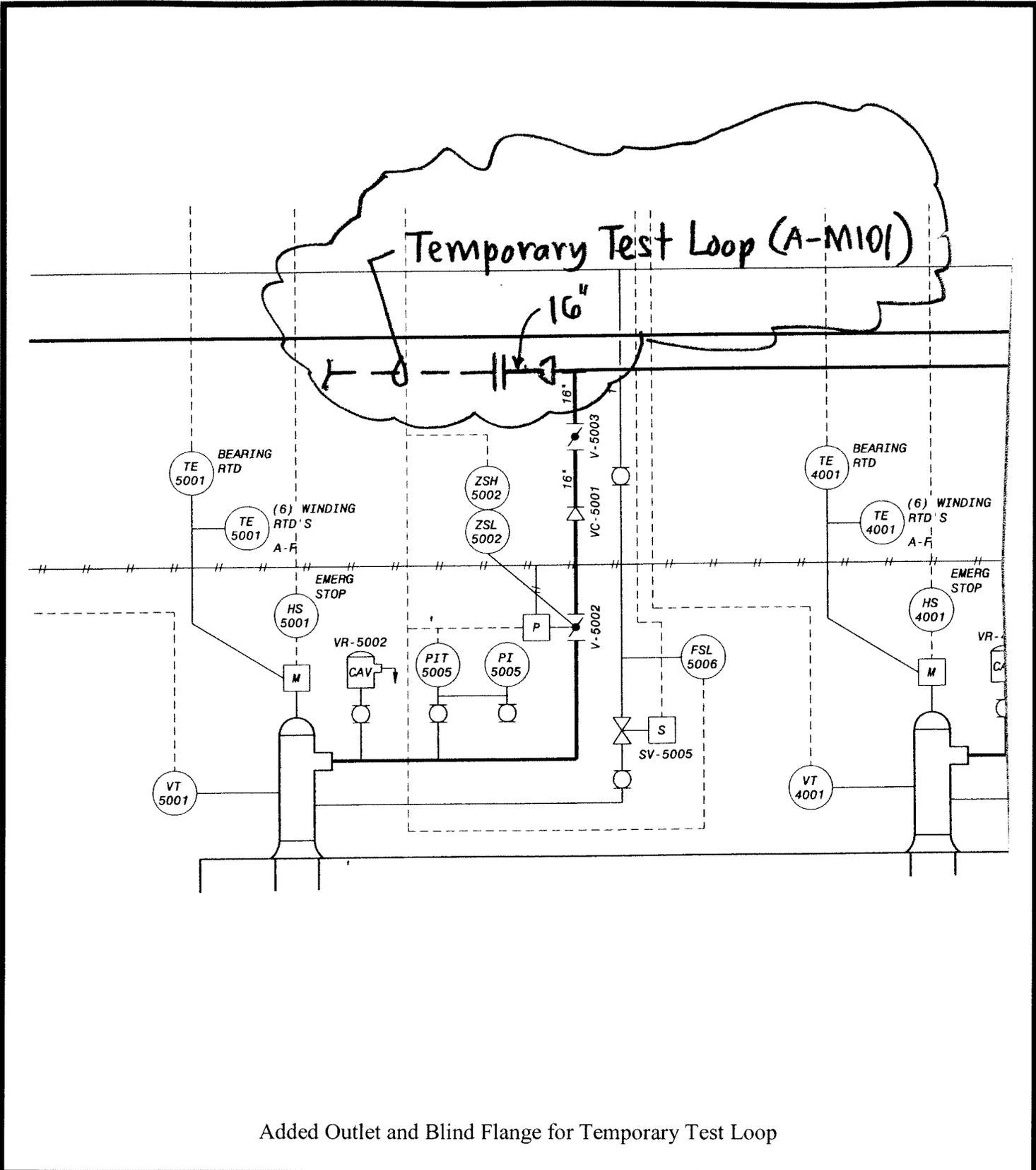
A-S302

Sketch No.

300187.08.02-SK26

Nacimiento Water Project
NWP Facilities
Contract No. 300187.08.02

ADDENDUM NO. 2



Added Outlet and Blind Flange for Temporary Test Loop

Sheet No.

74 of 179

Drawing No.

A-I602

Sketch No.

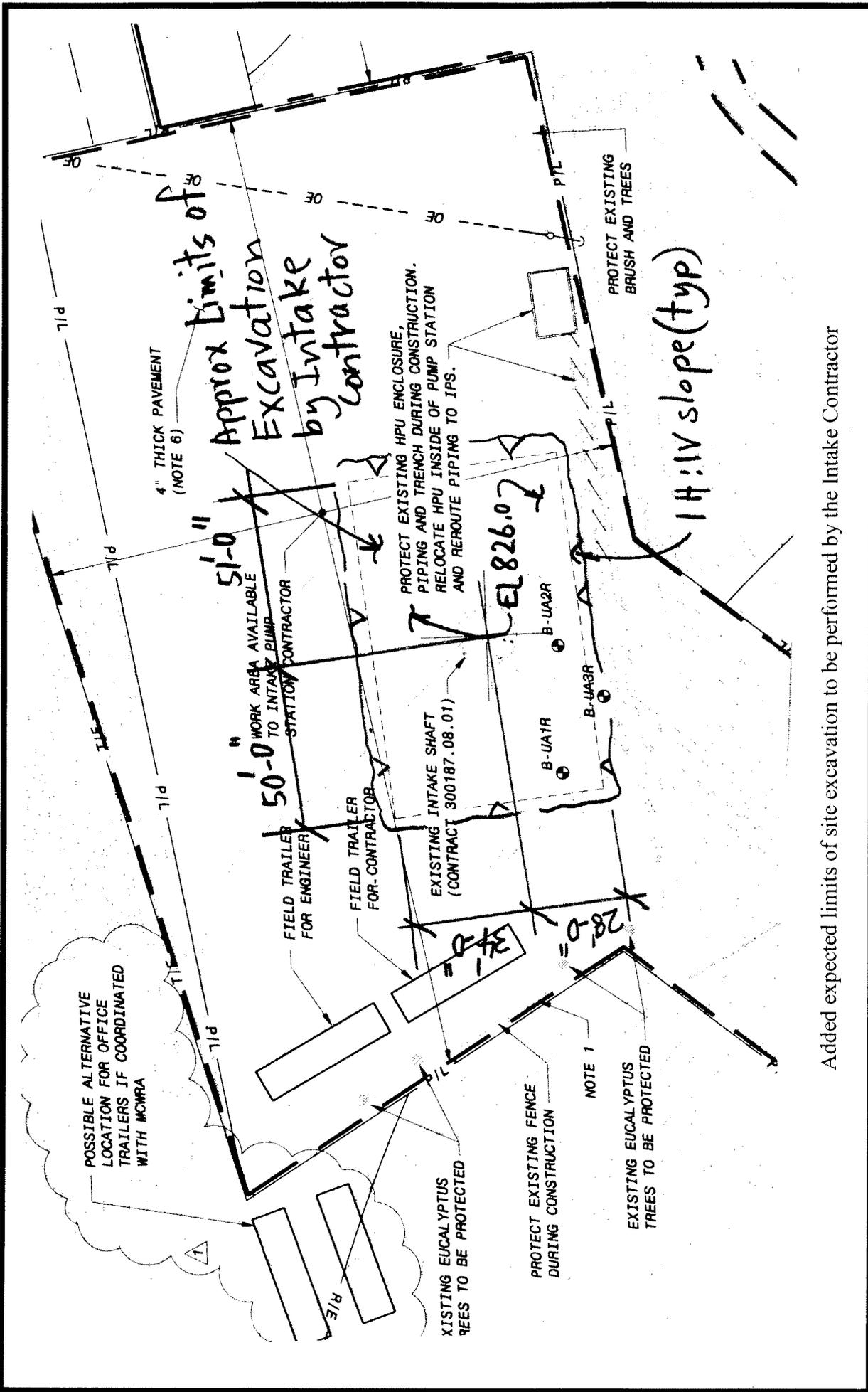
300187.08.02-SK27

Nacimiento Water Project

NWP Facilities

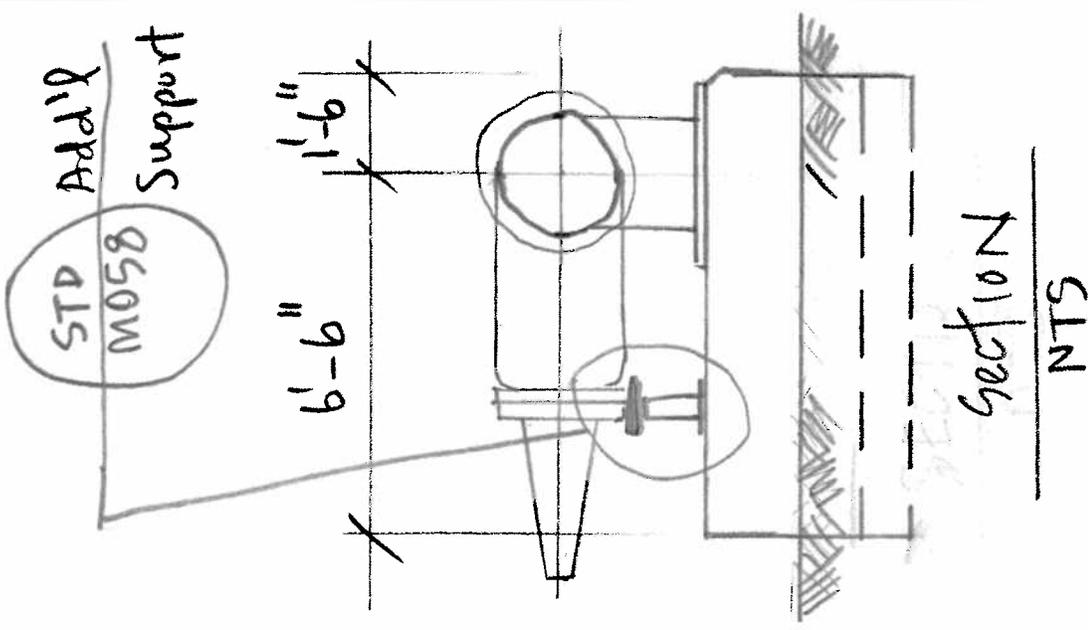
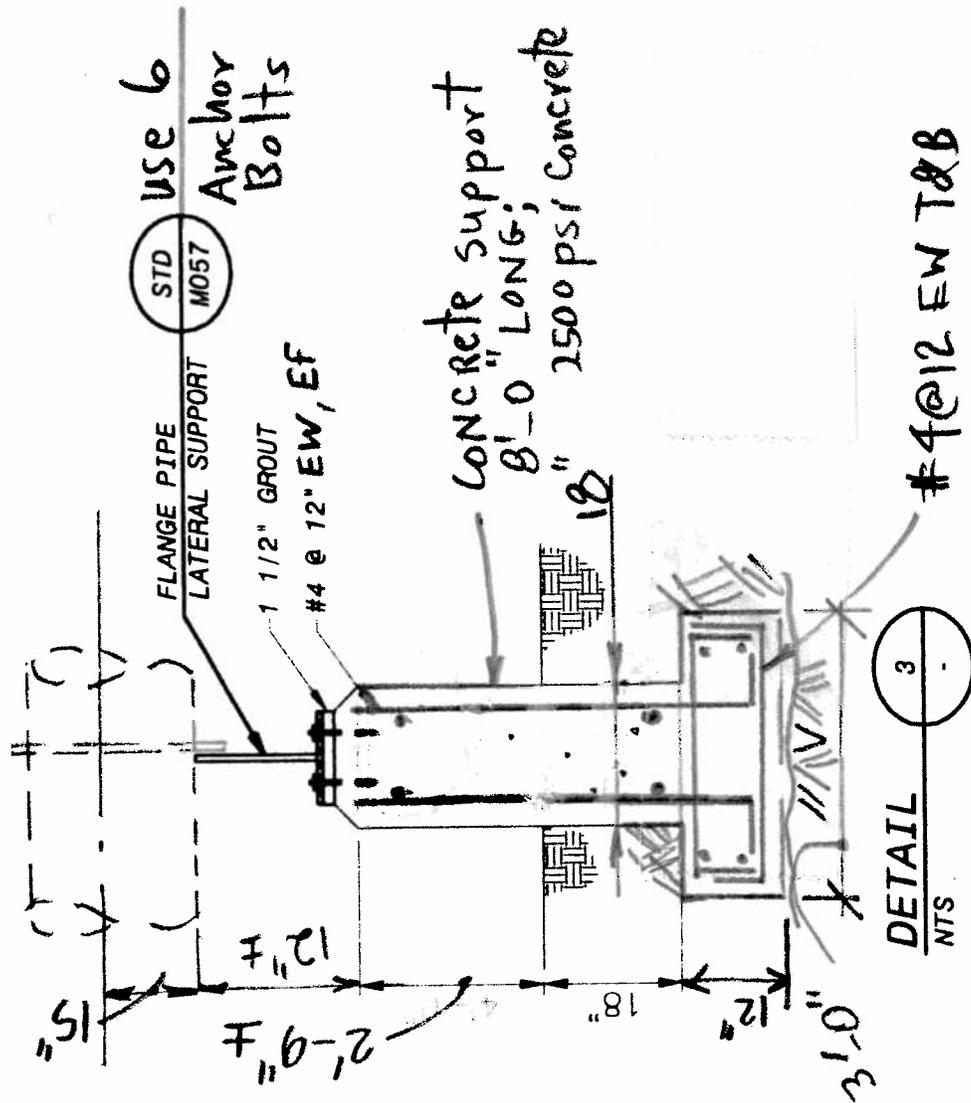
Contract No. 300187.08.02

ADDENDUM NO. 2



Added expected limits of site excavation to be performed by the Intake Contractor

Sheet No.	Drawing No.	Sketch No.
40 of 179	A-C100	300187.08.02-SK28
Nacimiento Water Project NWP Facilities		
Contract No. 300187.08.02		
ADDENDUM NO. 2		



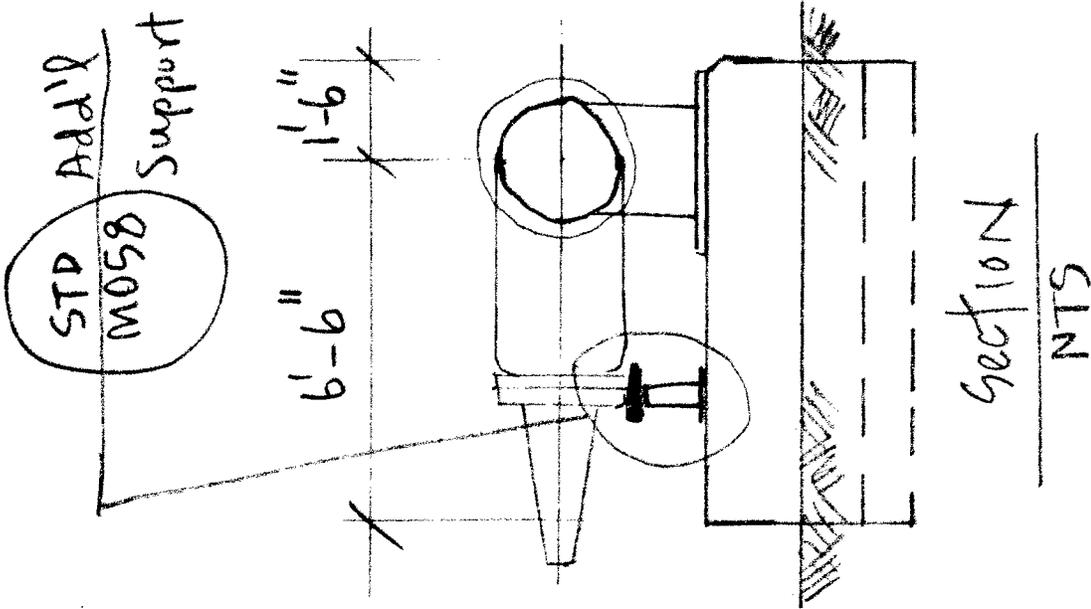
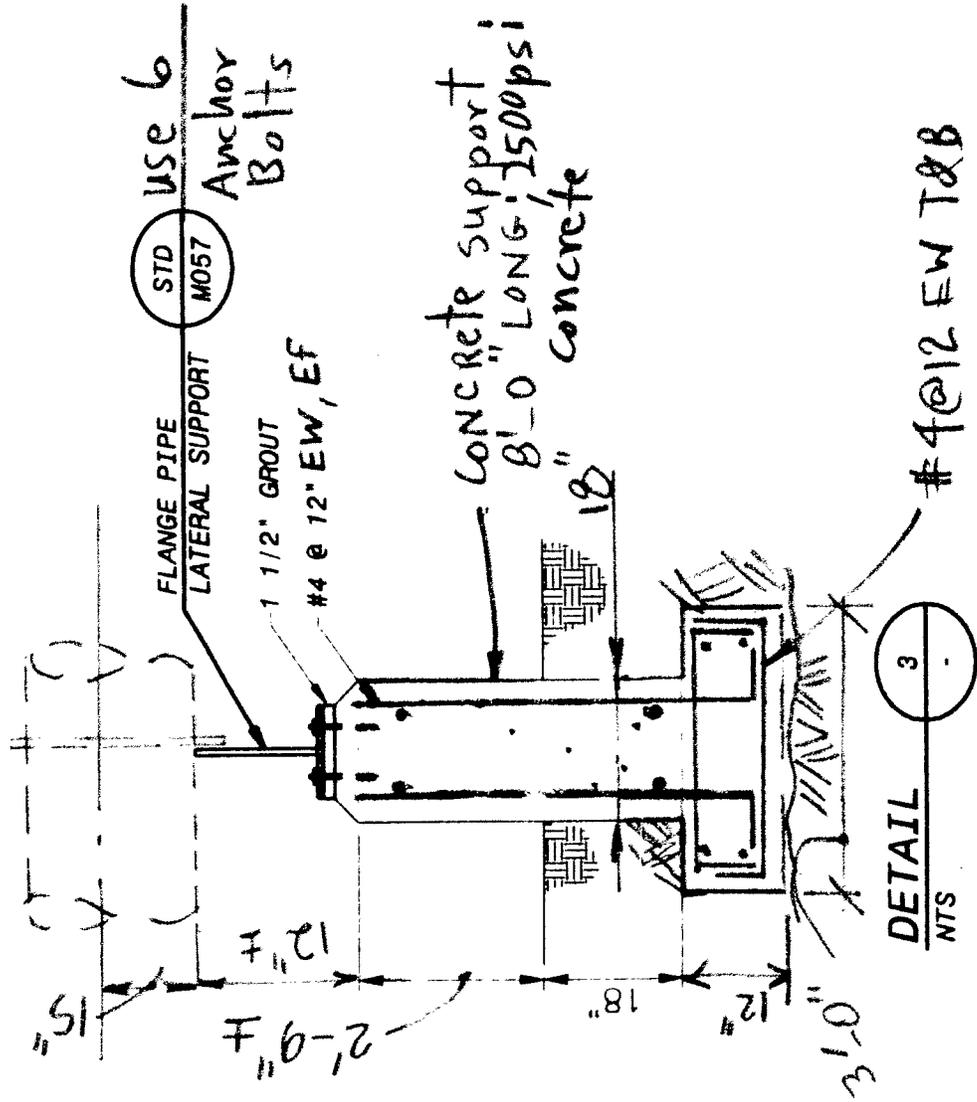
Modified Gate Valve Support Detail

Sheet No.
44 of 179

Drawing No.
A-C301

Sketch No.
300187.08.02-SK29

Nacimiento Water Project
NWP Facilities
Contract No. 300187.08.02



Modified Gate Valve Support Detail

Sheet No.
82 of 179

Drawing No.
A1-C302

Sketch No.

300187.08.02-SK30

Nacimientto Water Project
NWP Facilities
Contract No. 300187.08.02