



July 24, 2007

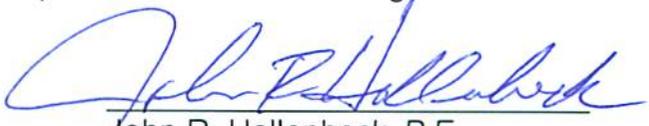
**CERTIFIED MAIL, RETURN RECEIPT REQUESTED
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NACIMIENTO WATER PROJECT
 ADDENDUM NO. 03
 for
 PIPELINE SOUTH
 CONTRACT NO. 300187.08-05
 SPECIFICATION No. 05

Issued a revised Bid Form, Section 00400.
 Issued the NWP Tree Report.
 Issued reference drawings for the pipeline in Stenner Creek Road.
 Added the status of easement acquisition to Section 01040.
 Clarified access requirements through the California Men's Colony.
 Added asphalt concrete pavement thickness table to Section 02512.
 Added specification for electric motor actuators to Section 15180.
 Added legal descriptions to Appendix B for City of San Luis Obispo parcels.
 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.

 Company Name Printed Name Signature Date

Return this acknowledgment via any of the following methods:

- Fax No. (805) 772-2010, c/o Vicki
- E-mail *.pdf to Vicki@ASAPreprographics.com
- Other carrier _____ (fill in by sender)

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NWP NACIMIENTO WATER PROJECT

San Luis Obispo County Flood Control & Water Conservation District

CONTRACT NO. 300187.08.05
Specification 05

ADDENDUM

DATE: July 24, 2007
PROJECT: Pipeline South
ADDENDUM NO.: 3
BID OPENING: August 2, 2007



07/24/07

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 00400, “Bid Forms,” refer to revised Bid Forms dated 7/24/07 attached which include the revisions below; please return this form with your bid proposal.

Bid Item No. 5: revise the quantity from “37,060” to “36,400”

Bid Item No. 7: revise the quantity from “15,430” to “15,785”

Bid Item No. 8: revise the quantity from “14,140” to “14,040”

3. 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.”

4. In the Table of Contents of all Parts, add a new Section 07700, “Roof Specialties and Accessories”.
5. In the Table of Contents of all Parts, add to the end of APPENDIX F:

“NWP Tree Report

Reference Drawings – San Luis Obispo Water Works, Plan and Profile Line B”

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

1. Section 01061, “Environmental Mitigation Requirements,” Page 14; add a new Paragraph 15.6 as follows:

“15.6 NWP Tree Report. The surveyed trunk locations for oak trees with trunk size 12” and larger are summarized in Appendix F.”

2. 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 signed by property owner and Board of Supervisors action is completed.	Rossi 071-091-036 Santa Margarita Ranch 069-073-001 070-094-001 Lopez 070-071-024	Crabtree 070-061-036 070-061-037 Ryan 070-061-038 Land Conservancy of San Luis Obispo 073-321-003
Easement Agreements signed by property owner and pending Board of Supervisors action.	Glick 073-261-006 073-261-008 073-261-009 073-261-010	
Easement Agreements Pending.	Atascadero Mutual Water Company 034-434-001 Easement Deed execution in process. United States of America 070-061-022 070-094-002 Easement Deed execution in process. State of California 070-061-039 070-501-010 Easement Deed execution in process.	Cal Poly (State of California) 073-291-002 Easement Deed execution in process. City of San Luis Obispo 073-271-002 073-291-003 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	Davis 034-401-020 Davis 034-401-015 034-401-016 034-401-017	Taft 034-432-014 Hendrix 070-093-001 070-093-003 070-093-004

3. Section 01040, "Easement and Right-of-Way Requirements," Page 4; add a new Article 6 as follows:

"6. ACCESS THROUGH CALIFORNIA MEN'S COLONY AND CAMP SAN LUIS. Access to pipeline construction areas in Unit H1 is available through Camp San Luis and the California Men's Colony. The point of coordination for site access via CMC is:

John Kellerman, CMC
(805) 547-7974
(805) 547-7548 FAX

Access to the site though this area may be affected by bridge restrictions across Chorro Creek. CMC installed a 1-lane Bailey bridge at this location whose load bearing capabilities should be adequate, but it is narrow.

For contractors working on CMC property or near the perimeter fence, denim (blue, gray, or black) is not permitted. No firearms, tobacco, or drugs of any nature are permitted to be brought on the property. However, for contractors and inspectors passing through CMC gates on their way to the NWP job site, provided that persons stay in their vehicles and don't approach the perimeter fence, no special attire is required.

CONTRACTOR shall coordinate with the ENGINEER at the Pre-Construction Conference and with CWC in advance of mobilization onto the site."

C. CHANGES AND/OR CLARIFICATIONS TO THE TECHNICAL SPECIFICATIONS

1. Section 02512, "Asphaltic Concrete Pavement," Page 1; add the following as the first bullet beneath the fourth paragraph:

"Table 02512-1, "Existing Asphaltic Concrete Pavement Structure Thicknesses.""

2. Section 02512, "Asphaltic Concrete Pavement"; add the following table to the end of the Section before the County of San Luis Obispo County Standard Trench Repair Details:

5. 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."

6. Section 15180, "Valve Actuators," Page 5; add a new Paragraph 2-6 as follows:

"2-6. STANDARD ELECTRIC ACTUATORS.

2-6.01. General. Standard electric actuators shall be provided by the valve manufacturer as specified herein.

Standard electric actuators for 12 inch and smaller butterfly valves and eccentric plug valves shall be quarter-turn type and shall be EIM Series Q, Limatorque, Rotork or equal.

All other standard electric actuators shall be multiturn type and shall be EIM Series 2000; Limatorque Model LY; Rotork AQ; or equal.

Standard electric actuators produced by other manufacturers are not acceptable.

Each standard electric actuator shall be furnished complete with a motor, gearing, handwheel, limit switches and torque sensors, lubricants, heating elements, wiring, and terminals. Each actuator shall be constructed as a self-contained unit with a cast iron or aluminum alloy housing and shall be integrally assembled on the applicable valve or gate by the valve or gate manufacturer.

Actuators shall be designed to cycle the valve from the fully open to the fully closed position or the reverse in approximately 180 seconds.

Actuator motors may be mounted horizontally adjacent to or vertically above the reduction gearing. All gearing shall be oil lubricated.

2-6.02. Motors. Motors shall be totally enclosed, high torque design made expressly for valve actuator service, capable of operating the valve under full differential pressure for two complete strokes or one complete cycle of travel without overheating. Motors shall be designed in accordance with NEMA standards and shall operate successfully at any voltage within 10 percent above or below rated voltage. Motor bearings shall be permanently lubricated.

2-6.03. Power Gearing. Power gearing shall consist of hardened steel spur or helical gears and alloy bronze or hardened steel worm gear, all suitably lubricated, designed for 100 percent overload, and effectively sealed against entrance of foreign matter. Steel gears shall be hardened to at least 350 Brinell. Planetary or cycloidal gearing or aluminum, mild steel, or nonmetallic gears will not be acceptable. Gearing shall be designed to be self-locking so that actuation of a torque switch by a torque overload condition will not allow the actuator to restart until the torque overload has been eliminated. If a secondary gear box is required, it shall be designed to withstand the locked rotor torque of the actuator.

2-6.04. Handwheel Mechanism. The handwheel shall not rotate during motor operation. During handwheel operation the motor shall not affect the actuator operation. The actuator shall be responsive to electrical power and control at all times and, when under electrical control, shall instantly disengage the handwheel. The handwheel shall rotate counterclockwise to open the valve. An arrow indicating the opening direction and the word "Open" shall be cast on the handwheel. The force required to operate the handwheel shall not exceed 40 lbs. The handwheel shall have a padlockable declutch lever.

2-6.05. Torque Sensing. Torque and thrust loads in both closing and opening directions shall be limited by a torque sensing device. Each torque sensing device shall be provided with an adjustment setting indicator. The adjustment shall permit a variation of approximately 40 percent in torque setting. Switches shall have a rating of not less than 6 amperes at 120 volts ac and 0.5 ampere at 115 volts dc.

2-6.06. Limit Switches. Each standard electric actuator shall be designed to be readily field adaptable for four limit switch assemblies. Each switch assembly shall consist of at least three separate limit switches, shall be operated by the driving mechanism, and shall be independently adjustable to trip at any point at and between the fully open and fully closed valve positions. All switches shall have an inductive contact rating of not less than 6 amperes at 120 volts ac, 3 amperes at 240 volts ac, 1.5 amperes at 480 volts ac, and 0.5 ampere at 115 volts dc.

Each quarter-turn actuator shall be provided with end-of-travel limit switches in addition to four spdt switches, each independently adjustable at any point of valve travel.

2-6.07. Position Transmitter. When indicated, actuators shall be provided with an electronic type position transmitter. The transmitter output shall be an isolated 4-20 mA dc capable of driving an external

load of 0 to 500 ohms. Accuracy of the transmitted signal shall be ± 2 percent of span. Repeatability and hysteresis shall be within 1 percent. The transmitter shall transmit to a remote position indicator.

A position transmitter is required on the actuator for sleeve valve T11-V-1002 (Section 15108).

2-6.08. Heating Elements. Space heating elements shall be provided to prevent condensation in the motor and limit switch housing. Heating elements shall be rated 120 volts ac. Heaters shall be continuously energized.

2-6.09. Terminal Facilities. Terminal facilities for connection to motor leads, switches, position transmitter, and heating elements shall be provided in readily accessible terminal compartments. Each terminal compartment shall have at least two openings for external electrical conduits, one sized at least 3/4 inch and the other at least 1-1/4 inches. Each terminal compartment shall be large enough to allow easy routing and termination of fifteen 12 AWG conductors.

2-6.10. Controller. Each valve shall be furnished with a reversing controller located inside the actuator enclosure and shall have controller devices. The controller shall be equipped with:

- a. A motor overload protective device in each phase or solid state motor protection.
- b. A space heater element, rated 120 volts ac, sized to be continuously energized for prevention of condensation within the controller enclosure.
- c. A fused control power circuit taken from one power lead on the load side of the breaker and line side of the reversing starter to ground. If power supply is greater than 120 volts ac, a control power transformer with fused secondary, with volt-ampere capacity suitable for starter control plus continuous service to space heater elements in motor housing, limit switch compartment, and controller enclosure.
- d. A terminal block with connectors for all external controls. All leads from the actuator motor and limit switch assembly shall be routed to terminal connections in the controller for external connections to all other control devices.

- e. Auxiliary control contacts as indicated in the electrical schematics.

Reversing controllers shall be both mechanically and electrically interlocked and shall be provided with the necessary direct-operated auxiliary contacts for required interlocking and control.

Valve controllers shall be expressly selected for long life and reliable, low maintenance service under rugged service conditions.

2-6.11. Control Module. Sleeve valve T11-V-1002 shall be designed for modulating service and shall be provided with a control module for position modulating type service. The control module shall be mounted within the valve actuator limit switch housing. The module shall accept a standard 4-20 mA dc analog input signal with a load impedance of not greater than 400 ohms. The control module shall contain adjustments for span, zero, gain, and deadband.

The actuator shall have a slide-wire type position feedback potentiometer which provides a position feedback signal to the control module.

2-6.11.01. Control Performance. For any operating torque within the specified range of the valve actuator, the valve and actuator shall perform within these specified limits:

Linearity	Linearity of actual valve position as compared to demand signal shall be within ± 4 percent of span over the entire operating range.
Repeatability	For any repeated demand signal to the valve actuator, the actual valve position shall be repeated.
Deadband	Deadband of the valve actuator shall be adjustable from 1 to 10 percent of span.
Hysteresis	For any repeated demand signal to the valve actuator, from either an increasing or a decreasing direction, the actual valve position shall be repeated within 1 degree of valve shaft rotation.”

7. Section 15180, "Valve Actuators," Page 4; change paragraph number "2-6.02" to "2-4.02"

8. Section 15180, "Valve Actuators," Paragraph 1-3, "Submittals", Page 1; add the following new paragraphs:

"The drawings shall include separate wiring diagrams for each electrically operated or controlled actuator and the electrical control equipment. Each actuator drawing shall be identified with the respective valve number or name.

For electric actuators, certified copies of reports covering proof-of-design testing of the actuators as set forth in Section 5 of ANSI/AWWA C540, together with an affidavit of compliance as indicated in Section 6.3 of ANSI/AWWA C540, shall be submitted to ENGINEER before the actuators are shipped."

9. Insert new Section 07700, "Roof Specialties and Accessories" (attached) into the Technical Specifications.

10. Section 13540, "Fiber Optic Cables, Hardware, and Accessories," Paragraph 2-2, Page 7; at the end of the article, insert the CCWA requirements associated with the 12-strand cable to be installed in the Cuesta Tunnel as indicated in the attached page.

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

1. In Part 2 of 4, add two items to the end of Appendix F:

NWP Tree Report

Reference Drawing – San Luis Obispo Water Works, Plan and Profile Line B

2. In Part 2 of 4, Appendix C, SLO County Encroachment Permit No. ENC20070169 (Draft) for Rocky Canyon Road; under "Conditions" after line item 4, add a new line item 5, as follows:

"5. Hours of work shall be 8:30 am to 4:00 pm."

3. In Part 2 of 4, Appendix B, remove the placeholder pages and insert the property owner requirements page(s) and corresponding legal descriptions for the City of San Luis Obispo parcels.

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 G601, Sheet 5 of 155; 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.”

2. Drawing T11-I601, add a sample port to the turnout pipeline downstream of V-1004.
3. Drawing GP-C252, Sheet 18 of 155, added fiber optic conduits at approx. Sta 1831+80 as shown on attached Sketch 300187.08.05-SK12.
4. Drawing GP-C274, Sheet 62 of 155, added fiber optic conduit as shown on attached Sketch 300187.08.05-SK13.
5. Drawing GP-C275, Sheet 64 of 155, added (4) 1-1/2” fiber optic conduits as shown on attached Sketches 300187.08.05-SK14, -SK15, and –SK16.
6. Drawing GP-C278, Sheet 70 of 155, added (4) 1-1/2” fiber optic conduits as shown on attached Sketches 300187.08.05-SK17 and –SK18.
7. Drawing GP-C278, Sheet 70 of 155, revise the fitting at Sta 2146+20.91 from an 18” elbow to an 18” tee with a blind flange installed on the branch that points northeast on El Camino Real.
8. Drawing GP-C279, Sheet 72 of 155, added (4) 1-1/2” fiber optic conduits as shown on attached Sketches 300187.08.05-SK19 and –SK20.

9. Drawing G1P-C280, Sheet 74 of 155, added fiber optic conduits and modified pipeline profile as shown in Drawing G1P-C280 Revision 1, attached.
10. Drawing T11-E601, Sheet 146 of 155, replace the original bid set drawing with T11-E601 Revision 1, attached.
11. Drawing G002, Sheet 2 of 155; make the following revisions:
 - Add the following to the end of Note 29:

“CONTRACTOR shall use Std Detail CP009, “Lead Wire Connections for Below Grade Insulating Flange,” and associated details, for the work associated with callouts on the Drawings referring to CP015 and CP021, Insulating Flange.”
12. Drawing GP-C404, Sheet 125 of 155; change the callout “STD / S033” to “STD / S003”.
13. Drawing T11-C101, Sheet 142 of 155; make the revisions shown on Sketch 300187.08.05-SK21 and Sketch 300187.08.05-SK22.
14. Drawing T11-C301, Sheet 144 of 155; make the revisions shown on Sketch 300187.08.05-SK23 and Sketch 300187.08.05-SK24.
15. Drawing T11-E101, Sheet 145 of 155; add a receptacle to the south wall at the sump area labeled “LP1-3 WPI/GFI”
16. Drawing T11-C102, Sheet 143 of 155; in the profile, change “1379 FT” to “1381 FT”

ATTACHMENTS

1. Revised Bid Forms dated 07/24/07.
2. Appendix F NWP Tree Report
3. Contract Drawings T11-E601 Revision 1 & G1P-C280 Revision 1
4. Sketches 30187.08.05-SK12 through 30187.08.05-SK24
5. Reference Drawings – San Luis Obispo Water Works, Plan and Profile Line B
6. Property owner requirements page(s) and legal descriptions for the City of San Luis Obispo parcels APN 073-291-003 and APN 073-281-006.
7. Section 07700, Roof Specialties and Accessories.
8. Insert to Section 13540.

No compact disk (CD) is issued with this addendum. For an electronic .PDF of this addendum, visit the following website:

http://www.slocounty.ca.gov/PW/NacWP/Construction_Bidding_Phase/Addenda.htm

End of Addendum 3

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ATTACHMENTS

CONTRACT NO. 300187.08.05 ADDENDUM NO. 3

1. Revised Bid Forms dated 07/24/07
2. Appendix F NWP Tree Report
3. Contract Drawings T11-E601 Revision 1 & G1P-C280 Revision 1
4. Sketches 30187.08.05-SK12 through 30187.08.05-SK24
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6. Property owner requirements page(s) and legal descriptions for the City of San Luis Obispo parcels APN 073-291-003 and APN 073-281-006
7. Section 07700, Roof Specialties and Accessories
8. Insert to Section 13540

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Contract 300187.08.05
Addendum No. 3

Attachment 1 - Revised Bid Forms dated 07/24/07

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SECTION 00400 – BID FORMS

**CONSTRUCTION OF THE
PIPELINE SOUTH
UNITS G, G1, H1, and T11
FOR THE
NACIMIENTO WATER PROJECT
CONTRACT NO. 300187.08.05
SPECIFICATION 05**

TO: THE BOARD OF SUPERVISORS OF THE SAN LUIS OBISPO COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT, STATE OF CALIFORNIA

Pursuant to and in compliance with your Invitation to Bid and Instructions to BIDDERS, the undersigned, as BIDDER, declares that the only person or parties interested in this proposal as principals are those named herein; that this proposal is made without collusion with any other person, firm or corporation; that he/she is aware of the provisions of Section 3700 of the Labor code which require every employer to be insured against liability for worker's compensation or to undertake self-insurance in accordance with the provisions of that code, and he/she will comply with such provisions before commencing the performance of the WORK of this Agreement; that he/she has carefully examined the location of the proposed WORK, the annexed proposed form of contract, and he/she proposes, and agrees if this proposal is accepted, that he/she will contract with the Board of Supervisors of the San Luis Obispo County Flood Control and Water Conservation District in the form of the copy of the contract annexed hereto, to provide all necessary machinery, tools, apparatus and other equipment needed, and to do all of the WORK and furnish all the materials specified in the contract, in the manner and the time herein prescribed, and that he/she will take in full payment therefore the following lump sum and unit price amounts. The following construction shall be based on the Contract Times specified in Section 00500, "Agreement."

Base Bid for Contract 300187.08.05

Bid Item	Unit ID	Description	Unit	Estimated Quantity	Unit Price	Amount
1	All	Mobilization	LS	1	--	\$360,000
2		Shoring, Sheeting and Bracing for the following Units:				
2a	G	Pipeline (18-Inch)	LS	1	--	\$ _____
2b	G1	Pipeline (18-Inch)	LS	1	--	\$ _____
2c	H1	Pipeline (12-Inch)	LS	1	--	\$ _____
2d	T11	SLO Turnout	LS	1	--	\$ _____
3	All	Environmental Mitigation Costs	LS	1	--	\$ _____

Bid Item	Unit ID	Description	Unit	Estimated Quantity	Unit Price	Amount
4		Installation of Fiber Optic Conduit and Cable System for the following Units:				
4a	G, G1, H1	Units G, G1, H1	LS	1	--	\$_____
4b	T11	SLO Turnout	LS	1	--	\$_____
5	G	Pipeline (18-Inch)	LF	36,400	\$_____	\$_____
6	G	Salinas River Crossing – South (18-Inch)	LS	1	--	\$_____
7	G1	Pipeline (18-Inch)	LF	15,785	\$_____	\$_____
8	H1	Pipeline (12-Inch)	LF	14,040	\$_____	\$_____
9	T11	SLO Turnout	LS	1	--	\$_____
10	--	Allowance - Contaminated Soils	LS	1	--	\$150,000
11	--	Allowance – Contaminated Groundwater	LS	1	--	\$50,000
12	--	Allowance - Change in Pipe Alignment or Profile Due to Utility Conflict	LS	1	--	\$300,000
13	--	Subgrade Stabilization in Soft, Unstable Soils	LF	13,000	\$_____	\$_____
14	--	All Other Work	LS	1	--	\$_____

Total Bid Price in Figures: _____

Base Bid for Contract 300187.08.05

Total Bid Price in Words: _____

Alternative Pipeline Bid for Contract 300187.08.05

As Described in Specification Section 01011

**For each alternative, select the applicable pricing by circling "ADD" or "DEDUCT".*

ALTERNATIVE A – For providing 24-inch diameter pipe in lieu of 18-inch diameter pipe for Unit G as described in Bid Item 5 above, based on the requirements specified in Section 01011, the Bid Price Amount in the Base Bid Schedule above shall be increased or decreased by the price listed below:

(ADD) (DEDUCT) * LUMP SUM PRICE of (in words)

(\$_____)

ALTERNATIVE B – For providing 24-inch crossing of the Salinas River in lieu of 18-inch crossing as described in Bid Item 6 above, based on the requirements specified in Section 01011, the Bid Price Amount in the Base Bid Schedule above shall be increased or decreased by the price listed below:

(ADD) (DEDUCT) * LUMP SUM PRICE of (in words)

(\$_____)

ALTERNATIVE C – For providing 24-inch diameter pipe in lieu of 18-inch diameter pipe for Unit G1 as described in Bid Item 7 above, based on the requirements specified in Section 01011, the Bid Price Amount in the Base Bid Schedule above shall be increased or decreased by the price listed below:

(ADD) (DEDUCT) * LUMP SUM PRICE of (in words)

(\$_____)

BIDDER represents that he/she has hereinabove set forth for each Bid item an amount for the item, all in clearly legible figures in the respective spaces provided for that purpose.

BIDDER declares that he/she has read, and agrees to, the provisions of the Contract Documents, including, but not limited to, the General Conditions, Section 00700, and Supplementary General Conditions, Section 00800.

Accompanying this proposal is a Bid Security, as either a payment as described in Article 12 of the Instructions to Bidders, or as a Bid Bond using the form in Section 00410, "Bid Bond". Also accompanying this proposal in the form presented herein, is a "List of Subcontractors"

This Bid may be withdrawn, in writing, prior to the time fixed in the Invitation to Bid for the opening of Bids. It is understood and agreed that this Bid will not be withdrawn after the time fixed in the Notice to Bidders for the opening of Bids. BIDDER further agrees that the failure of the DISTRICT to open Bids for this Project exactly at the time fixed in said Invitation to Bid shall not extend the time within which Bids may be withdrawn.

All Bids shall remain subject to acceptance by the DISTRICT for a minimum of 60 Days from the opening of the Bids. In the event the lowest responsive, responsible BIDDER refuses or fails to execute the Agreement, then all Bids shall be subject to acceptance within the time requirements for Article 22, Award of Contract, specified in the Instruction to Bidders – Section 00100.

The undersigned BIDDER will sign and deliver to the San Luis Obispo County Flood Control and Water Conservation District the written Agreement, together with the certificates and Bonds described in the Contract Documents, within fifteen (15) calendar Days after the undersigned has received Notice that the contract has been awarded to him/her.

A BIDDER must submit a Bid Security accompanying this Bid in one of the following forms: cash, Bond, cashier's check, or certified check. The proceeds thereof shall become the property of the San Luis Obispo County Flood Control and Water Conservation District if the Bid is withdrawn after the time fixed in the Invitation to Bid and Instructions to BIDDERS for opening of Bids, or if the BIDDER shall fail within fifteen (15) Days after receiving a Notice of Award to execute a contract with the DISTRICT and furnish all certificates and Bonds required by the Instructions to Bidders and said Board of Supervisors.

ADDENDA – The undersigned acknowledges and confirms the receipt of Addenda Nos.,

<u>Addenda Number</u>	<u>Date</u>
_____	_____
_____	_____
_____	_____

and agrees that said addenda are covered in the Bid and shall form a part of the Contract Documents.

IMPORTANT NOTICE

If BIDDER or other interested person is a corporation, state legal name of corporation, also names of the president, secretary, treasurer, and manager thereof; if a partnership, state true name of firm, also names of all individual co-partners composing firm; if BIDDER or other interested person is an individual, state first and last names in full.

BIDDER warrants and represents that he/she is licensed in accordance with an Act provided for the registration of Contractors, License No. _____, Class _____, License Expiration Date _____. (Note: The successful BIDDER must possess the license classification specified in the Invitation to Bid and Instructions to Bidders).

Name of BIDDER _____
Signature of BIDDER _____
Printed Name and Title _____
Business Address _____
Telephone Number _____
Date _____

NOTICE: If BIDDER is a corporation, the legal name of the corporation shall be set forth above together with the signature of the officer or officers authorized to sign contract in behalf of the corporation; if BIDDER is a partnership, the true name of the firm shall be set forth above together with the signature of the partner or partners authorized to sign contracts on behalf of the partnership; and if the BIDDER is an individual, his signature shall be placed above; if BIDDER is a joint venture, the true name of the joint venture shall be set forth above together with the signature of the authorized agent of the joint venture. If signature is by an agent, other than an officer of a corporation or a member of a partnership, or a principal of a joint venture, a Power of Attorney must be on file with the DISTRICT prior to opening of Bids or submitted with the Bid; otherwise, the Bid will be disregarded as irregular and unauthorized.

PLEASE RETURN THIS FORM WITH YOUR BID PROPOSAL

<< End of Section 00400 >>

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Contract 300187.08.05
Addendum No. 3

Attachment 2 - Appendix F NWP Tree Report

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6 July, 2007

To: Steven N. Foellmi, P.E.
Vice President/Project Director
Black and Veatch,
15615 Alton Parkway, Suite 300
Irvine, CA 92618

Subject: Nacimiento Water Pipeline – Tree Location Station and Offset Report

Dear Steve:

I have attached the Station and Offset Report for Tree Locations as requested to be included in distribution of Final Addendum. The report stationing is based on the Black and Veatch Project Drawings dated 25 April, 2007.

The reports have been prepared in the following Unit Segment order:

North Units A, A1, C, C1

Central Units D, E, F, T2, T4, T6

South Units, G, G1, H1, T11

If you have any questions, please call me at (805) 544-7407.

Sincerely,



Lester E. Carter Jr.
Director of Surveys

LEC/jj

**NACIMIENTO WATER PIPELINE TREE LOCATION REPORT:
NORTH - ALIGNMENT A-C-HALN01**

The stationing shown below is based on the electronic files for the above referenced alignment provided by Boyle Engineering in July of 2007. Stationing begins at station 0+00. Plan stationing corresponding to Black and Veatch Project Drawings dated 25 April, 2007 may vary. To obtain plan stationing, apply station equations. Coordinates for individual tree locations were determined using direct and offset RTK methods. The observed nominal positional accuracy of the station and out values is +/- 0.7'.

Station	Offset	Description	Point #	Northing	Easting
010+ 79.5	24.4	24" OAK	11262	2475876.26	5706226.07
010+ 95.6	-12.1	18" OAK	11261	2475914.24	5706238.33
011+ 42.5	-9.4	30" OAK	11260	2475916.26	5706285.27
020+ 11.7	-16.7	48" OAK	11263	2475519.50	5706983.80
023+ 37.3	-18.0	24" OAK	11265	2475416.67	5707294.94
024+ 94.0	20.3	42" OAK	11264	2475320.37	5707424.77
045+ 86.6	21.9	42" OAK	11266	2474857.37	5709426.03
053+ 74.1	8.7	24" OAK	11267	2474427.88	5710084.02
055+ 12.8	19.1	24" OAK	11268	2474366.56	5710210.29
113+ 03.8	8.3	26" OAK	51260	2475858.85	5714841.73
113+ 87.6	-12.3	24" OAK	51259	2475941.34	5714866.82
138+ 30.0	-24.4	30" OAK	51263	2476263.60	5716976.55
138+ 80.7	11.8	24" OAK	51262	2476204.81	5716996.16
143+ 75.6	23.2	2x24" OAK	51267	2475940.04	5717395.01
144+ 22.8	-15.6	24" OAK	51266	2475926.21	5717454.58
146+ 37.2	-24.9	12" OAK	51268	2475741.35	5717573.74
146+ 90.8	7.2	12" OAK	51269	2475679.67	5717559.66
147+ 12.6	9.7	12" OAK	51270	2475657.94	5717563.60
147+ 81.6	18.9	20" OAK	51272	2475588.54	5717581.82
148+ 29.9	-23.5	30" OAK	51271	2475567.61	5717642.31
150+ 57.2	17.5	18" OAK	51273	2475379.27	5717766.05
150+ 75.4	17.5	18" OAK	51274	2475366.04	5717778.06
151+ 38.0	14.0	22" OAK	51275	2475321.90	5717822.58
164+ 56.4	-23.7	22" OAK	51276	2474441.01	5718800.61
165+ 12.0	-23.2	24" OAK	51277	2474394.02	5718830.18
165+ 22.2	-24.0	18" OAK	51278	2474385.85	5718836.32
165+ 66.8	35.4	40" OAK	51279	2474316.18	5718810.40
166+ 11.1	-26.7	20" OAK	51282	2474312.47	5718886.63
166+ 14.5	39.5	30" OAK	51280	2474273.81	5718832.78
166+ 50.4	-37.2	18" OAK	51281	2474284.59	5718916.87
167+ 06.8	-27.5	2x18" OAK	51283	2474228.90	5718937.73
167+ 27.4	-25.6	18" OAK	51284	2474209.12	5718945.75
173+ 94.6	25.5	72" OAK	51293	2473601.59	5719217.69
176+ 57.5	-32.7	50" OAK	51288	2473386.45	5719379.69
179+ 86.8	-34.0	4x18" OAK	51295	2473087.37	5719517.48
180+ 54.3	42.7	20" OAK	51296	2472994.15	5719475.71
193+ 63.8	26.4	60" OAK	51297	2471914.03	5720215.68
201+ 87.6	23.5	48" OAK	51298	2471475.24	5720885.81
208+ 47.5	23.7	3x18" OAK, 48" OAK	51299	2471444.17	5721544.57
218+ 65.6	23.9	36" OAK	51300	2471531.68	5722554.79
230+ 73.9	-49.1	78" OAK	51301	2471529.02	5723751.51
237+ 09.2	39.3	40" OAK	51302	2471473.81	5724387.59
252+ 74.5	30.2	48" OAK	51303	2472443.13	5725568.23
253+ 33.8	29.6	42" OAK	51304	2472448.48	5725624.78
306+ 95.0	16.8	28" OAK	51315	2469416.85	5727973.70



**NACIMIENTO WATER PIPELINE TREE LOCATION REPORT:
NORTH - ALIGNMENT A-C-HALN01**

The stationing shown below is based on the electronic files for the above referenced alignment provided by Boyle Engineering in July of 2007. Stationing begins at station 0+00. Plan stationing corresponding to Black and Veatch Project Drawings dated 25 April, 2007 may vary. To obtain plan stationing, apply station equations. Coordinates for individual tree locations were determined using direct and offset RTK methods. The observed nominal positional accuracy of the station and out values is +/- 0.7'.

Station	Offset	Description	Point #	Northing	Easting
307+ 29.2	19.1	18" OAK	51316	2469384.23	5727985.82
331+ 07.1	-24.7	36" OAK	51317	2467208.46	5728415.43
359+ 41.5	23.7	24" OAK	51318	2464727.63	5729621.41
378+ 10.5	-4.9	48" OAK	51319	2462978.66	5730229.90
392+ 22.7	11.2	24" OAK	51322	2461842.13	5731050.31
394+ 20.4	14.2	30" OAK	51323	2461674.54	5731146.79
396+ 34.4	9.9	2x14" OAK	51324	2461484.88	5731245.98
399+ 62.9	15.2	30" OAK	51325	2461197.71	5731410.31
404+ 92.3	2.6	30" OAK	51326	2460817.75	5731779.35
409+ 84.8	-1.3	40" OAK	51327	2460411.19	5732056.90
410+ 34.6	10.9	30" OAK	51328	2460363.31	5732076.41
422+ 03.9	5.5	24" OAK	51330	2459762.74	5733056.20
422+ 15.1	7.6	18" OAK	51329	2459754.07	5733063.60
428+ 44.6	5.8	20" OAK	51331	2459477.99	5733612.30
429+ 27.1	20.5	12" OAK	51336	2459453.42	5733690.62
429+ 34.5	2.5	14" OAK	51332	2459469.49	5733701.42
429+ 37.1	22.6	14" OAK	51337	2459449.40	5733699.21
429+ 40.0	23.9	14" OAK	51338	2459447.49	5733701.45
429+ 67.0	9.2	2x14" OAK	51333	2459454.23	5733730.13
429+ 75.9	20.8	16" OAK	51334	2459440.37	5733734.06
430+ 09.7	17.5	18" OAK	51335	2459430.43	5733764.26
434+ 44.0	12.2	14" OAK	51339	2459158.14	5734096.54
434+ 85.3	4.0	14" OAK	51340	2459136.84	5734132.88
435+ 38.2	18.1	14" OAK	51341	2459091.19	5734163.07
448+ 01.7	30.4	24" OAK	51342	2458448.57	5735247.76
448+ 19.9	14.0	14" OAK	51343	2458456.12	5735271.10
489+ 47.0	17.1	24" OAK	51344	2456554.50	5738542.55
489+ 87.6	18.7	18" OAK	51345	2456546.18	5738564.50
490+ 25.6	13.5	14" OAK	51346	2456524.08	5738564.64
498+ 63.0	-29.4	2x20" OAK	51347	2455699.38	5738432.61

**NACIMIENTO WATER PIPELINE TREE LOCATION REPORT:
NORTH - ALIGNMENT C-C-HALN01**

The stationing shown below is based on the electronic files for the above referenced alignment provided by Boyle Engineering in July of 2007. Stationing begins at station 560+00. Plan stationing corresponding to Black and Veatch Project Drawings dated 25 April, 2007 may vary. To obtain plan stationing, apply station equations. Coordinates for individual tree locations were determined using direct and offset RTK methods. The observed nominal positional accuracy of the station and out values is +/- 0.7'.

Station	Offset	Description	Point #	Northing	Easting
0599+ 52.0	21.2	30' OAK	51752	2453938.37	5745951.65
0599+ 56.5	-16.8	12' OAK	51755	2453965.83	5745978.27
0599+ 57.3	-18.7	14' OAK	51756	2453966.82	5745979.99
0599+ 64.3	-21.7	16' OAK	51754	2453964.96	5745987.43
0599+ 83.4	-10.8	16' OAK	51753	2453944.72	5745996.03
0603+ 65.7	-13.6	16' OAK	51751	2453715.22	5746301.75
0603+ 68.4	-14.2	16' OAK	51750	2453714.07	5746304.26
0604+ 98.3	12.7	14' OAK	51749	2453652.31	5746413.28
0605+ 30.2	6.5	14' OAK	51748	2453657.39	5746445.40
0606+ 50.4	-48.9	24' OAK	51745	2453708.53	5746567.40
0606+ 52.2	-31.1	16' OAK	51744	2453690.60	5746568.62
0606+ 66.4	5.7	20' OAK	51746	2453653.36	5746581.51
0606+ 98.5	-51.6	26' OAK	51742	2453709.49	5746615.57
0607+ 07.4	19.1	2x14' OAK	51747	2453638.52	5746622.03
0607+ 16.1	-42.1	24' OAK	51741	2453699.39	5746632.84
0607+ 39.8	18.7	22' OAK	51743	2453637.76	5746654.36
0607+ 64.5	-24.4	40' OAK	51739	2453680.04	5746680.59
0607+ 67.5	25.0	20' OAK	51740	2453630.51	5746681.82
0608+ 83.4	-33.4	24' OAK	51738	2453684.87	5746799.75
0613+ 40.3	-22.7	54' OAK	51737	2453658.09	5747256.00
0613+ 67.8	20.3	48' OAK	51736	2453614.12	5747281.99
0614+ 15.0	16.7	22' OAK	51735	2453616.09	5747329.25
0616+ 89.1	23.3	32' OAK	51734	2453599.91	5747602.93
0618+ 76.0	-17.3	20' OAK	51733	2453633.91	5747791.18
0639+ 86.1	-16.7	26' OAK	51732	2453545.04	5749899.52
0724+ 33.7	-14.5	18' OAK	51731	2451948.99	5756190.08
0724+ 66.0	-17.6	16' OAK	51730	2451950.77	5756222.53
0724+ 83.2	-20.5	18' OAK	51729	2451952.97	5756239.82
0724+ 98.1	-19.9	14' OAK	51728	2451951.70	5756254.67
0725+ 03.4	-21.7	18' OAK	51727	2451953.35	5756259.99
0739+ 37.7	39.7	24' OAK	51726	2450596.10	5756319.25
0739+ 77.9	15.1	32' OAK	51724	2450589.33	5756381.20
0739+ 86.7	-9.0	24' OAK	51725	2450612.55	5756392.05
0740+ 14.1	15.4	20' OAK	51723	2450585.87	5756417.29
0740+ 86.0	12.5	28' OAK	51722	2450582.57	5756489.11
0741+ 51.3	-15.6	26' OAK	51721	2450604.97	5756556.67
0742+ 59.2	-14.0	16' OAK	51720	2450594.06	5756664.01
0742+ 75.2	-31.7	28' OAK	51719	2450610.36	5756681.50
0747+ 08.1	12.4	32' OAK	51718	2450532.56	5757109.39
0770+ 77.9	17.7	3x14' OAK	51717	2450387.30	5759474.74
0770+ 87.1	16.2	30' OAK	51716	2450388.33	5759484.02
0780+ 26.5	-17.4	46' OAK	51715	2450376.19	5760423.84
0791+ 17.8	-19.8	14' OAK	51714	2450317.23	5761513.50
0791+ 45.5	-19.8	14' OAK	51713	2450315.64	5761541.10
0791+ 56.0	-20.3	16' OAK	51712	2450315.56	5761551.64



**NACIMIENTO WATER PIPELINE TREE LOCATION REPORT:
NORTH - ALIGNMENT C-C-HALN01**

0791+ 89.4	-24.2	30' OAK	51711	2450317.62	5761585.15
0792+ 35.1	-22.4	12' OAK	51710	2450313.36	5761630.67
0792+ 52.7	-23.2	26' OAK	51709	2450313.10	5761648.37
0792+ 59.4	-23.8	14' OAK	51708	2450313.41	5761655.10
0792+ 66.2	-23.8	22' OAK	51707	2450312.98	5761661.82
0793+ 27.5	-19.9	32' OAK	51706	2450306.31	5761722.58
0805+ 73.8	26.2	40' OAK	51705	2449106.61	5761711.97
0983+ 52.5	10.2	36' OAK	51802	2432951.77	5764207.19
0983+ 58.4	11.4	24' OAK	51801	2432945.71	5764206.94
0987+ 31.2	26.0	36' OAK	51803	2432577.97	5764284.32
0989+ 29.4	21.0	48' OAK	51800	2432395.97	5764370.84
0992+ 26.8	17.7	24' OAK	51798	2432127.57	5764487.52
0992+ 32.4	18.7	24' OAK	51799	2432121.86	5764488.12
0993+ 55.0	22.6	24' OAK	51797	2432002.58	5764516.63
0997+ 50.0	30.4	24' OAK	51795	2431621.45	5764625.21
0997+ 58.6	36.3	36' OAK	51796	2431611.39	5764622.22
0998+ 43.6	30.3	48' OAK	51794	2431521.95	5764660.77
1005+ 95.5	21.2	36' OAK	51793	2430805.55	5764748.49
1012+ 35.3	39.3	2x36' OAK	51792	2430174.72	5764876.27
1013+ 53.5	32.1	42' OAK	51791	2430065.59	5764919.00
1020+ 84.5	23.2	36' & 24' OAK	51790	2429366.06	5764953.98
1027+ 45.2	-36.8	16' OAK	51789	2428719.10	5764815.62
1031+ 81.7	16.4	20' OAK	51788	2428297.18	5764708.75
1082+ 66.6	9.9	18' OAK	51785	2423926.15	5765086.53
1083+ 65.4	8.5	36' OAK	51786	2423828.99	5765086.26
1086+ 49.6	38.6	48' OAK	51787	2423562.17	5765031.41
1098+ 60.6	-41.1	36' OAK	51783	2422363.84	5765147.74
1099+ 81.9	-24.3	42' OAK	51784	2422245.43	5765142.84
1110+ 66.5	-34.7	42' PINE	51782	2421330.53	5765330.33
1133+ 70.8	-20.7	48' OAK	51781	2419185.61	5764871.01
1135+ 07.8	-22.3	60' OAK	51780	2419052.67	5764837.84
1147+ 12.4	-39.1	78' OAK	51779	2417883.13	5764548.81
1151+ 71.3	-38.3	60' OAK	51765	2417439.43	5764433.68
1152+ 84.0	-19.6	24' OAK	51764	2417334.57	5764388.42
1153+ 90.6	-25.9	20' OAK	51763	2417229.54	5764368.83
1154+ 71.5	-12.0	30' OAK	51762	2417154.43	5764335.91
1161+ 20.4	-22.9	30' OAK	51778	2416522.96	5764246.26
1162+ 71.8	-18.2	3x12' OAK	51777	2416373.87	5764265.02
1165+ 18.2	-26.5	24' OAK	51769	2416130.30	5764308.16
1165+ 22.2	-35.2	24' OAK	51776	2416127.38	5764317.30
1165+ 34.9	-30.4	18' OAK	51770	2416114.17	5764314.08
1165+ 38.7	-31.4	22' OAK	51771	2416110.52	5764315.52
1165+ 43.5	-32.4	18' OAK	51772	2416105.87	5764317.12
1165+ 53.4	-34.6	24' OAK	51773	2416096.28	5764320.57
1165+ 71.8	-38.9	24' OAK	51774	2416078.58	5764327.03
1165+ 84.5	-27.1	24' OAK	51759	2416064.50	5764316.86
1165+ 90.4	-43.1	24' OAK	51775	2416060.64	5764333.47
1175+ 75.9	-17.7	18' OAK	51757	2415075.46	5764397.77
1176+ 02.0	-7.6	18' OAK	51758	2415048.65	5764389.49

**NACIMIENTO WATER PIPELINE TREE LOCATION REPORT:
CENTRAL - ALIGNMENT DEF-C-HALN01**

The stationing shown below is based on the electronic files for the above referenced alignment provided by Boyle Engineering in July of 2007. Stationing begins at station 1157+00. Plan stationing corresponding to Black and Veatch Project Drawings dated 25 April, 2007 may vary. To obtain plan stationing, apply station equations. Coordinates for individual tree locations were determined using direct and offset RTK methods. The observed nominal positional accuracy of the station and out values is +/- 0.7'.

Station	Offset	Description	Point #	Northing	Easting
1216+ 13.0	-82.3	42"OAK	8363	2409187.95	5764281.59
1216+ 52.4	-83.7	48"OAK	8364	2409148.56	5764283.03
1291+ 47.1	-22.6	28" OAK	51663	2403263.22	5763267.94
1291+ 87.3	3.6	14" OAK	51664	2403257.41	5763220.29
1297+ 28.3	11.3	2x18" OAK	51662	2402886.72	5762832.19
1298+ 99.3	30.2	14" OAK	51661	2402802.07	5762707.30
1299+ 12.2	-7.7	54" OAK	51660	2402762.13	5762707.96
1299+ 99.8	3.1	20" OAK	51659	2402737.64	5762623.45
1300+ 25.3	2.5	30" OAK	51658	2402724.50	5762601.46
1302+ 62.9	10.2	14" OAK	51657	2402519.71	5762498.95
1303+ 24.9	-19.7	72" OAK	51656	2402453.52	5762519.71
1304+ 81.6	13.1	36" OAK	51655	2402305.48	5762459.67
1304+ 88.2	-27.3	2x34" OAK	51654	2402290.41	5762497.73
1305+ 47.4	7.5	20" OAK	51653	2402240.70	5762449.67
1310+ 79.9	8.2	22" OAK	51652	2401725.23	5762315.48
1315+ 88.5	9.2	40" OAK	51651	2401356.82	5761998.06
1317+ 39.5	14.7	30" OAK	51650	2401203.31	5762000.88
1317+ 68.8	11.6	20" OAK	51649	2401175.40	5762005.77
1317+ 73.6	11.0	30" OAK	51648	2401170.60	5762006.59
1317+ 81.5	9.9	24" OAK	51647	2401162.76	5762007.96
1317+ 83.6	9.5	16" OAK	51646	2401160.75	5762008.45
1319+ 17.6	2.8	40" OAK	51645	2401027.14	5762016.02
1321+ 76.1	22.8	30" OAK	51644	2400772.08	5761972.05
1322+ 31.6	12.1	40" OAK	51643	2400715.78	5761977.33
1322+ 56.4	10.7	20" OAK	51642	2400690.97	5761976.36
1322+ 66.6	17.5	4x14" OAK	51641	2400681.47	5761968.58
1323+ 29.8	15.9	40" OAK	51640	2400618.42	5761964.10
1324+ 08.2	27.1	42" OAK	51639	2400537.24	5761948.59
1331+ 17.3	28.0	24" OAK	51634	2399901.72	5761709.02
1331+ 45.1	27.2	30" OAK	51635	2399874.05	5761706.59
1331+ 49.9	16.9	12" OAK	51636	2399868.00	5761716.17
1332+ 66.9	13.0	12" OAK	51630	2399751.82	5761706.08
1332+ 75.1	14.5	18" OAK	51631	2399744.18	5761703.36
1332+ 91.4	17.1	18" OAK	51632	2399729.13	5761698.01
1333+ 34.7	29.0	36" OAK	51633	2399691.78	5761676.65
1333+ 82.9	-28.9	48" OAK	51629	2399628.86	5761717.37
1333+ 83.5	34.6	18" OAK	51628	2399647.89	5761656.77
1333+ 98.6	30.6	24" & 12" OAK	51627	2399632.33	5761655.93
1334+ 70.6	-46.2	40" OAK	51666	2399540.10	5761706.63
1335+ 19.7	-45.7	20" OAK	51667	2399492.76	5761690.62
1335+ 31.1	37.4	60" OAK	51682	2399509.57	5761608.40
1335+ 69.4	37.4	24" OAK	51681	2399475.12	5761595.32
1335+ 90.3	-40.2	72" OAK	51668	2399426.14	5761659.01
1335+ 99.5	33.6	16" OAK	51680	2399446.87	5761587.59



**NACIMIENTO WATER PIPELINE TREE LOCATION REPORT:
CENTRAL - ALIGNMENT DEF-C-HALN01**

The stationing shown below is based on the electronic files for the above referenced alignment provided by Boyle Engineering in July of 2007. Stationing begins at station 1157+00. Plan stationing corresponding to Black and Veatch Project Drawings dated 25 April, 2007 may vary. To obtain plan stationing, apply station equations. Coordinates for individual tree locations were determined using direct and offset RTK methods. The observed nominal positional accuracy of the station and out values is +/- 0.7'.

Station	Offset	Description	Point #	Northing	Easting
1336+ 53.3	-29.5	26" OAK	51670	2399371.45	5761621.79
1336+ 54.1	-38.0	26" OAK	51669	2399366.87	5761629.07
1337+ 24.1	19.5	2x20" OAK	51679	2399332.61	5761544.72
1337+ 44.4	-43.4	32" OAK	51671	2399282.40	5761587.72
1337+ 69.3	10.3	34" OAK	51678	2399290.03	5761528.82
1337+ 69.7	-30.5	20" OAK	51672	2399267.32	5761562.69
1337+ 92.6	-36.9	50" OAK	51673	2399244.49	5761555.20
1339+ 23.8	-57.5	50" OAK	51674	2399123.98	5761499.38
1339+ 43.9	18.0	14" OAK	51677	2399149.29	5761425.41
1339+ 56.8	-22.3	48" OAK	51675	2399116.14	5761451.79
1339+ 64.2	42.6	54" OAK	51676	2399146.04	5761393.64
1350+ 39.3	16.5	48" OAK	51624	2398153.97	5761004.40
1350+ 97.2	-37.8	30" OAK	51623	2398096.09	5761060.47
1358+ 16.7	30.7	72" CLUSTER OAK	51622	2397524.25	5760622.48
1363+ 36.2	31.8	30" OAK	51621	2397265.36	5760179.88
1365+ 19.0	25.6	30" OAK	51620	2397144.01	5760036.33
1365+ 19.0	25.6	30" OAK	51619	2397144.01	5760036.33
1366+ 05.6	13.1	20" OAK	51618	2397074.28	5759982.98
1367+ 01.2	13.6	24" OAK	51617	2397012.30	5759912.07
1367+ 27.1	-40.4	4x14" OAK	51616	2396953.54	5759924.07
1368+ 01.7	-20.7	2x20" OAK	51615	2396926.26	5759849.34
1368+ 33.9	30.4	18" & 36" OAK	51613	2396953.51	5759795.63
1369+ 20.0	-40.0	48" OAK	51614	2396851.62	5759751.13
1369+ 56.0	13.0	18" OAK	51612	2396884.43	5759696.07
1369+ 64.1	25.4	2x12" & 36" OAK	51611	2396892.25	5759683.51
1370+ 13.7	16.1	18" OAK	51610	2396864.31	5759642.71
1370+ 65.8	21.7	36" OAK	51609	2396850.70	5759592.48
1372+ 72.7	13.9	3x16" OAK	51608	2396768.90	5759402.26
1374+ 02.8	18.5	48" OAK	51607	2396726.33	5759279.18
1375+ 20.5	-25.0	20" OAK	51606	2396643.38	5759185.04
1377+ 69.0	18.7	42" OAK	51605	2396553.23	5758951.71
1378+ 22.8	31.1	20" OAK	51604	2396519.64	5758904.72
1379+ 40.5	34.9	24" & 30" OAK	51603	2396422.13	5758830.69
1380+ 35.3	25.4	2x18" OAK	51602	2396334.90	5758791.21
1385+ 26.1	16.9	30" OAK	51601	2395931.67	5758512.09
1385+ 74.1	37.3	60" OAK	51599	2395892.11	5758474.56
1385+ 75.6	-42.9	30" OAK	51600	2395864.99	5758550.08
1565+ 93.6	16.4	30" OAK	8248	2385876.72	5769638.36
1644+ 68.4	23.8	54" OAK	51571	2379973.94	5772481.95
1656+ 61.7	-24.4	4x20" OAK	51569	2379047.96	5773236.21
1666+ 16.3	17.8	48" OAK	51568	2378189.11	5773652.25
1685+ 00.4	35.6	60" OAK	51567	2376461.07	5774392.48
1692+ 58.9	43.0	40" OAK	51566	2375737.53	5774661.71
1694+ 39.8	29.0	36" OAK	51565	2375611.55	5774796.10



NACIMIENTO WATER PIPELINE TREE LOCATION REPORT: CENTRAL - ALIGNMENT DEF-C-HALN01

The stationing shown below is based on the electronic files for the above referenced alignment provided by Boyle Engineering in July of 2007. Stationing begins at station 1157+00. Plan stationing corresponding to Black and Veatch Project Drawings dated 25 April, 2007 may vary. To obtain plan stationing, apply station equations. Coordinates for individual tree locations were determined using direct and offset RTK methods. The observed nominal positional accuracy of the station and out values is +/- 0.7'.

Station	Offset	Description	Point #	Northing	Easting
1702+ 18.5	33.9	32" OAK	51563	2375285.24	5775509.89
1703+ 08.8	-21.8	24" OAK	51562	2375315.54	5775611.01
1711+ 50.0	-22.6	52" OAK	51561	2374719.31	5776207.05
1719+ 85.5	21.6	48" OAK	51560	2374099.11	5776752.60
1722+ 40.1	23.4	40" OAK	51559	2373988.75	5776981.66
1730+ 28.8	22.2	54" OAK	51558	2373652.91	5777694.57
1732+ 58.5	-11.5	34" OAK	51557	2373501.73	5777850.03
1736+ 37.6	-16.6	46" OAK	51556	2373156.44	5778004.93
1756+ 83.3	24.7	2x20" OAK	51590	2371502.37	5779017.15
1756+ 98.8	-32.4	36" OAK	51589	2371560.24	5779029.44
1757+ 34.1	-15.0	2x8" OAK	51588	2371544.39	5779066.50
1757+ 64.4	-19.1	2x14" OAK	51587	2371548.51	5779096.70
1757+ 83.6	-18.8	32" OAK	51586	2371548.32	5779115.94
1758+ 16.5	-17.7	26" OAK	51585	2371547.28	5779148.80
1759+ 13.1	-31.2	2x20" OAK	51584	2371561.68	5779245.03
1759+ 31.9	-24.6	18" OAK	51583	2371555.34	5779263.90
1759+ 39.4	-22.0	20" OAK	51582	2371552.78	5779271.51
1759+ 60.9	-24.5	36" OAK	51581	2371555.63	5779292.96
1760+ 18.4	-23.5	18" OAK	51580	2371553.56	5779352.38
1760+ 21.0	-22.1	16" OAK	51579	2371551.93	5779354.99
1760+ 26.1	-22.7	12" OAK	51578	2371552.16	5779360.44
1760+ 30.9	-22.8	26" OAK	51577	2371551.79	5779365.44
1762+ 74.8	-15.4	22" OAK	51574	2371436.89	5779588.20
1763+ 00.1	-31.2	16" OAK	51576	2371434.47	5779618.01
1764+ 11.6	-22.2	16" OAK	51575	2371360.79	5779702.19
1764+ 12.3	-21.2	18" OAK	51552	2371359.60	5779702.06
1776+ 19.2	-17.0	18" OAK	51550	2370578.09	5780607.25
1776+ 21.0	-23.6	18" OAK	51551	2370579.68	5780613.86
1777+ 63.1	-10.0	22" OAK	51549	2370435.05	5780646.44
1777+ 66.0	-13.3	22" OAK	51548	2370432.35	5780650.00
1777+ 83.5	-19.1	16" OAK	51547	2370414.05	5780656.52
1778+ 12.0	-18.2	32" OAK	51546	2370383.92	5780654.49
1778+ 87.3	-23.3	24" OAK	51545	2370305.17	5780643.21
1778+ 95.7	-5.0	14" OAK	51544	2370302.45	5780623.34
1779+ 06.7	-21.6	26" OAK	51543	2370287.09	5780636.05
1779+ 79.5	-15.0	3x14" OAK	51542	2370220.84	5780614.91
1780+ 52.6	19.7	24" OAK	51541	2370148.78	5780579.91
1781+ 19.3	-16.3	30" OAK	51540	2370082.99	5780617.53
1784+ 36.6	-7.5	36" PINE	51539	2369765.36	5780621.50
1784+ 39.9	-16.7	42" PINE	8372	2369761.49	5780630.54
1784+ 52.9	-17.9	15" OAK	8373	2369747.71	5780630.77
1785+ 51.0	-11.3	22" OAK	51538	2369650.29	5780605.90
1785+ 53.7	-12.3	18" OAK	8374	2369647.48	5780606.24
1785+ 85.7	71.4	10" PINE	8375	2369554.73	5780597.13

**NACIMIENTO WATER PIPELINE TREE LOCATION REPORT:
SOUTH - ALIGNMENT G1-C-HALN01**

The stationing shown below is based on the electronic files for the above referenced alignment provided by Boyle Engineering in July of 2007. Stationing begins at station 2150+00. Plan stationing corresponding to Black and Veatch Project Drawings dated 25 April, 2007 may vary. To obtain plan stationing, apply station equations. Coordinates for individual tree locations were determined using direct and offset RTK methods. The observed nominal positional accuracy of the station and out values is +/- 0.7'.

Station	Offset	Description	Point #	Northing	Easting
2229+ 75.6	58.9	36" OAK	51451	2334173.58	5776283.82
2230+ 06.1	-36.4	48" OAK	51450	2334081.23	5776322.46
2230+ 88.7	-7.2	30" OAK	51448	2334049.46	5776241.69
2231+ 20.7	-17.0	18" OAK	51449	2334020.15	5776227.24
2231+ 47.5	-2.6	4x12" OAK	51447	2334009.38	5776199.34
2231+ 58.6	-9.8	1x12" OAK	51446	2333996.30	5776198.36
2232+ 12.2	-25.9	1x12", 1x24" OAK	51445	2333944.48	5776183.44
2232+ 53.4	-28.2	2x18" OAK	51444	2333909.05	5776167.71
2232+ 62.9	-23.7	36" OAK	51443	2333902.65	5776159.99
2232+ 91.7	-27.0	18" OAK	51442	2333875.78	5776152.77
2232+ 98.7	-30.7	18" OAK	51441	2333867.93	5776153.64
2235+ 94.3	-10.3	24" OAK	51440	2333621.25	5775985.20
2239+ 02.2	22.2	2x12", 1x18" OAK	51439	2333426.28	5775747.15
2239+ 15.6	21.5	30" OAK	51438	2333415.02	5775739.86
2249+ 48.0	-7.5	36" PINE	10505	2332566.75	5775152.35
2249+ 54.1	13.3	18" PINE	10506	2332574.86	5775132.29
2249+ 54.8	22.2	18" PINE	10507	2332579.79	5775124.81
2256+ 15.3	-5.4	24" OAK	51429	2332458.62	5774601.61
2256+ 17.8	48.2	40" OAK	51431	2332510.53	5774615.01
2256+ 27.2	26.1	1x12", 1x24" OAK	51430	2332492.15	5774599.56
2264+ 31.8	-26.6	2x18" OAK	51428	2331771.46	5774218.08
2270+ 11.3	-45.4	48" OAK	10360	2331250.95	5774106.80
2270+ 31.1	1.0	2x16" OAK	51434	2331225.42	5774063.38
2270+ 31.4	-22.0	24" OAK	51433	2331228.08	5774086.23
2270+ 86.7	-21.3	1x18, 1x42" OAK	51432	2331173.09	5774092.55
2270+ 90.0	-15.7	1x24"& 1x48" OAK CLUSTER	10363	2331169.10	5774087.44
2274+ 53.7	16.9	26" OAK	51458	2330804.29	5774101.43
2274+ 60.0	-6.7	30" OAK	51459	2330801.00	5774125.55
2274+ 69.3	5.2	14" OAK	51460	2330790.28	5774114.97
2274+ 74.8	8.8	18" OAK	51462	2330784.37	5774112.06
2274+ 83.4	3.1	24" OAK	51461	2330776.53	5774118.91
2274+ 87.3	17.1	16" OAK	51463	2330770.94	5774105.43
2275+ 29.6	16.6	18" OAK	51467	2330729.02	5774111.38
2275+ 69.3	4.0	12" OAK	51469	2330691.24	5774128.91
2275+ 70.5	7.8	18" OAK	51468	2330689.52	5774125.33
2276+ 05.6	-0.9	3x14" OAK	51470	2330655.90	5774138.36
2276+ 49.5	-3.4	14" OAK	51471	2330612.67	5774146.47
2276+ 51.9	-10.5	12" OAK	51472	2330611.15	5774153.84
2277+ 45.9	-25.6	1x18", 1x12" OAK	51474	2330521.08	5774181.10
2277+ 48.9	3.6	12" OAK	51476	2330513.08	5774152.93
2277+ 50.9	-28.7	14" OAK	51475	2330517.00	5774185.04
2278+ 19.6	28.5	12" OAK	51479	2330436.28	5774146.99
2278+ 54.8	18.5	12" OAK	51478	2330405.26	5774169.19
2278+ 84.4	14.3	12" OAK	51481	2330379.07	5774185.56



**NACIMIENTO WATER PIPELINE TREE LOCATION REPORT:
SOUTH - ALIGNMENT G1-C-HALN01**

The stationing shown below is based on the electronic files for the above referenced alignment provided by Boyle Engineering in July of 2007. Stationing begins at station 2150+00. Plan stationing corresponding to Black and Veatch Project Drawings dated 25 April, 2007 may vary. To obtain plan stationing, apply station equations. Coordinates for individual tree locations were determined using direct and offset RTK methods. The observed nominal positional accuracy of the station and out values is +/- 0.7'.

Station	Offset	Description	Point #	Northing	Easting
2278+ 86.4	10.4	12" OAK	51480	2330378.89	5774189.94
2279+ 17.1	17.2	14" OAK	51484	2330348.08	5774198.47
2279+ 17.2	18.7	14" OAK	51483	2330347.31	5774197.17
2280+ 99.5	18.1	18" OAK	51486	2330194.51	5774298.98
2281+ 53.3	-13.2	24" OAK	51488	2330166.17	5774354.49
2281+ 54.8	-7.6	18" OAK	51487	2330161.92	5774350.54
2281+ 74.7	-14.6	12" OAK	51490	2330147.97	5774366.95
2281+ 77.7	-14.7	12" OAK	51491	2330145.41	5774368.57
2281+ 88.0	24.4	12" OAK	51489	2330117.21	5774339.52
2282+ 56.3	17.8	12" OAK	51494	2330061.19	5774378.66
2282+ 60.1	-8.1	12" OAK	51493	2330070.16	5774403.18
2283+ 74.3	-9.3	12" OAK	51497	2329973.40	5774461.53
2283+ 87.3	23.3	14" OAK	51499	2329943.91	5774442.44
2283+ 92.4	-8.7	2x12" OAK	51498	2329958.19	5774471.52
2284+ 33.3	-9.7	2x16" OAK	51685	2329924.72	5774495.70
2285+ 15.2	25.7	18" OAK	51686	2329835.62	5774507.36
2285+ 90.1	-9.1	12" OAK	51687	2329790.56	5774576.85
2286+ 11.3	-8.1	20" OAK	51688	2329772.37	5774587.54
2286+ 97.5	-8.4	2x12" OAK	51689	2329700.94	5774635.79
2287+ 18.9	-10.3	20" OAK	51690	2329684.05	5774649.15
2287+ 79.9	-15.5	20" OAK	51691	2329634.61	5774686.08
2288+ 69.5	-5.2	12" OAK	51692	2329551.21	5774721.50
2290+ 43.7	-4.9	4x12" OAK	51698	2329409.69	5774806.23
2290+ 60.6	-11.3	12" OAK	51697	2329395.71	5774821.21
2291+ 56.6	18.6	12" OAK	51700	2329291.16	5774824.01
2291+ 89.7	-24.1	36" OAK	51701	2329295.81	5774877.80
2300+ 72.3	-24.3	1x24", 1x30" OAK	51427	2328433.75	5774934.90
2304+ 45.3	38.8	24" OAK	51426	2328049.37	5774849.80

NACIMIENTO WATER PIPELINE TREE LOCATION REPORT: SOUTH - ALIGNMENT G-C-HALN01

The stationing shown below is based on the electronic files for the above referenced alignment provided by Boyle Engineering in July of 2007. Stationing begins at station 1785+50.13. Plan stationing corresponding to Black and Veatch Project Drawings dated 25 April, 2007 may vary. To obtain plan stationing, apply station equations. Coordinates for individual tree locations were determined using direct and offset RTK methods. The observed nominal positional accuracy of the station and out values is +/- 0.7'.

Station	Offset	Description	Point #	Northing	Easting
1786+ 45.0	45.2	32" OAK	51537	2369446.00	5780523.71
1787+ 94.4	-17.8	22" OAK	51536	2369301.32	5780597.47
1788+ 00.2	-15.7	24" OAK	51535	2369295.19	5780595.62
1788+ 55.5	-24.9	42" OAK	51534	2369240.23	5780607.10
1789+ 22.5	-23.5	3x14" OAK	51533	2369170.95	5780605.79
1790+ 73.7	-21.2	24" OAK	51532	2369021.48	5780588.74
1792+ 76.5	-10.1	32" OAK	51530	2368818.99	5780573.44
1794+ 09.4	22.0	16" OAK	51529	2368687.15	5780537.05
1794+ 68.3	-1.8	32" OAK	51528	2368627.46	5780558.72
1805+ 89.4	22.9	24" OAK	51527	2367507.17	5780510.80
1808+ 20.4	-19.9	36" OAK	51526	2367273.25	5780545.28
1814+ 71.3	34.6	42" OAK	51523	2366650.90	5780426.90
1815+ 07.5	19.2	32" OAK	51524	2366619.61	5780450.88
1815+ 51.4	-13.3	2x12" OAK	51525	2366584.81	5780493.10
1826+ 81.0	-14.6	30" OAK	51521	2365453.99	5780482.78
1832+ 89.7	7.9	48" OAK	51520	2364845.09	5780467.18
1833+ 28.9	42.5	48" OAK	51519	2364787.99	5780466.41
1965+ 49.4	29.4	36" OAK	51457	2354456.53	5784768.58
1968+ 19.3	27.7	48" OAK	51456	2354213.52	5784866.31
1970+ 59.4	-15.6	60" OAK	51455	2353984.33	5784947.75
1973+ 95.6	13.4	42" OAK	51453	2353653.22	5784941.35
1974+ 57.8	31.9	60" OAK	51454	2353610.77	5784898.24
1991+ 82.8	-24.4	60" OAK	8206	2352397.23	5785519.26

NACIMIENTO WATER PIPELINE TREE LOCATION REPORT: SOUTH - ALIGNMENT H1-C-HALN01

The stationing shown below is based on the electronic files for the above referenced alignment provided by Boyle Engineering in July of 2007. Stationing begins at station 2370+00. Plan stationing corresponding to Black and Veatch Project Drawings dated 25 April, 2007 may vary. To obtain plan stationing, apply station equations. Coordinates for individual tree locations were determined using direct and offset RTK methods. The observed nominal positional accuracy of the station and out values is +/- 0.7'.

Station	Offset	Description	Point #	Northing	Easting
2382+ 58.9	21.5	14" OAK	51422	2321681.09	5769665.61
2382+ 88.6	27.9	30" OAK	51423	2321671.29	5769636.93
2384+ 00.1	33.9	38" OAK	51424	2321618.99	5769538.27
2389+ 35.3	3.5	1x12",1x24",2x18" OAK	51421	2321315.28	5769096.26
2389+ 50.4	-0.5	18" OAK	51420	2321303.50	5769085.86
2389+ 74.2	15.0	30" OAK	51418	2321303.24	5769057.49
2389+ 83.8	22.1	30" OAK	51419	2321303.74	5769045.54
2390+ 73.5	6.3	1x12", 1x18" OAK	51416	2321201.41	5769026.64
2390+ 91.1	14.2	2x12", 1x18" OAK	51415	2321186.55	5769014.34
2391+ 04.4	15.7	60" OAK	51414	2321174.15	5769009.30
2391+ 20.7	8.4	18" OAK	51413	2321156.55	5769011.93
2391+ 25.7	-6.2	18" OAK	51410	2321147.76	5769024.64
2391+ 53.4	17.0	36" OAK	51412	2321127.36	5768994.82
2391+ 81.2	9.4	1x18", 1x24" OAK	51411	2321098.46	5768994.71
2397+ 08.0	26.4	6" OAK	9198	2320646.45	5768989.61
2397+ 19.3	51.2	24" OAK	9197	2320645.34	5768962.28
2397+ 20.5	20.1	4-96" OAK	9196	2320632.47	5768990.67
2397+ 39.0	-11.4	12" OAK	9195	2320603.42	5769012.87
2397+ 61.0	-16.1	24" OAK	9193	2320581.33	5769008.94
2397+ 62.9	14.4	16" OAK	9192	2320591.06	5768980.01
2397+ 70.1	31.4	26" OAK	9189	2320590.78	5768961.50
2397+ 72.7	10.7	16" OAK	9191	2320580.56	5768979.73
2397+ 77.4	-39.7	12" OAK	9194	2320557.24	5769024.56
2397+ 87.1	39.2	14" OAK	9188	2320578.01	5768947.90
2397+ 92.4	48.4	24" OAK	9190	2320576.54	5768937.39
2465+ 93.0	-11.3	24" OAK	51379	2316086.55	5764770.06
2466+ 05.5	32.8	42" OAK	51378	2316118.83	5764737.49
2466+ 12.2	2.0	12" SYCAMORE	51377	2316088.74	5764746.82
2466+ 18.9	2.1	1x14", 1x10", 1x12" OAK	51376	2316086.80	5764741.15
2468+ 22.2	-11.1	1x12", 1x18" OAK	51371	2315971.76	5764573.92
2468+ 85.1	-11.2	1x36"SYCAMORE	51372	2315940.32	5764519.41
2469+ 53.3	16.8	1x18", 1x36", 1x16" OAK	51373	2315930.74	5764446.33
2469+ 70.5	11.7	1x24" OAK	51374	2315917.72	5764433.87
2469+ 79.7	1.1	30" SYCAMORE	51375	2315903.93	5764431.23
2477+ 28.6	11.7	1x12", 1x8" OAK	51370	2315269.35	5764065.86
2480+ 49.5	-32.0	48" OAK	51388	2314984.78	5763904.09
2480+ 81.2	28.5	1x12", 1x18" OAK	51385	2315043.43	5763869.05
2480+ 86.5	25.8	2x12" OAK	51384	2315040.42	5763863.91
2480+ 88.2	33.9	1x18" OAK	51387	2315048.44	5763861.81
2480+ 96.8	30.3	1x14", 1x12" OAK	51386	2315044.32	5763853.38
2480+ 99.2	-12.8	1x18", 1x24" OAK	51380	2315001.15	5763853.47
2481+ 06.4	13.7	12" OAK	51381	2315027.19	5763844.78
2481+ 21.1	16.0	20" OAK	51382	2315028.65	5763829.94
2481+ 46.3	8.5	20" OAK	51383	2315019.77	5763805.26

**NACIMIENTO WATER PIPELINE TREE LOCATION REPORT:
SOUTH - ALIGNMENT H1-C-HALN01**

The stationing shown below is based on the electronic files for the above referenced alignment provided by Boyle Engineering in July of 2007. Stationing begins at station 2370+00. Plan stationing corresponding to Black and Veatch Project Drawings dated 25 April, 2007 may vary. To obtain plan stationing, apply station equations. Coordinates for individual tree locations were determined using direct and offset RTK methods. The observed nominal positional accuracy of the station and out values is +/- 0.7'.

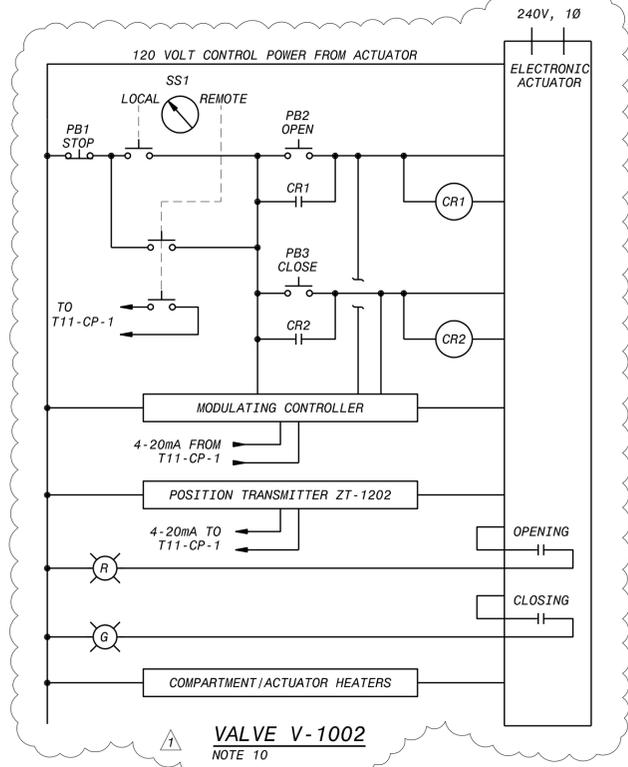
Station	Offset	Description	Point #	Northing	Easting
2482+ 60.6	8.2	24" OAK	51404	2315019.63	5763694.22
2483+ 14.3	7.6	2x12" OAK	51403	2315031.84	5763640.39
2483+ 19.8	-28.6	4x12", 1x24" OAK	51405	2314996.03	5763632.85
2483+ 46.8	10.7	14" OAK	51402	2315036.81	5763608.19
2483+ 78.7	-19.1	12" OAK	51401	2315007.69	5763581.16
2483+ 83.8	4.0	14" OAK	51400	2315028.50	5763569.91
2483+ 98.9	12.8	2x18", 2x12" OAK	51399	2315032.93	5763553.07
2484+ 53.0	-26.9	1x12", 1x30" OAK	51398	2314980.52	5763523.97
2485+ 04.8	-18.0	18" OAK	51397	2314954.66	5763477.95
2485+ 05.6	-14.1	18" OAK	51396	2314957.24	5763474.93
2485+ 27.4	29.1	30" OAK	51395	2314977.14	5763430.84
2485+ 40.9	-14.0	12" OAK	51394	2314935.11	5763447.38
2485+ 59.6	-17.3	24" OAK	51393	2314920.81	5763434.82
2486+ 03.8	23.1	18" OAK	51392	2314922.89	5763375.39
2486+ 19.1	24.7	16" OAK	51391	2314914.13	5763362.70
2486+ 74.3	26.9	18" OAK	51389	2314885.15	5763322.68
2486+ 90.8	29.8	36" OAK	51390	2314879.79	5763306.86
2492+ 59.6	-11.9	1x12", 1x10" OAK	51365	2314571.21	5762840.33
2503+ 74.2	-6.3	1x48", 2x24" SYCAMORE	51364	2313608.56	5762313.33
2505+ 51.3	46.4	42" OAK	51363	2313469.32	5762191.96

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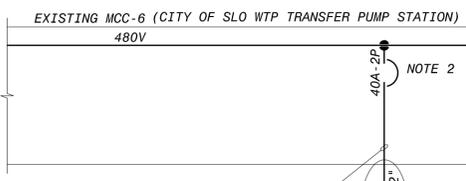
Contract 300187.08.05
Addendum No. 3

Attachment 3 - Contract Drawings T11-E601 Revision 1 & G1P-C280 Revision 1

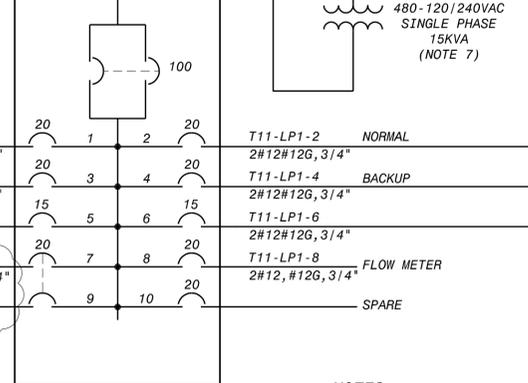
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VALVE V-1002
NOTE 10



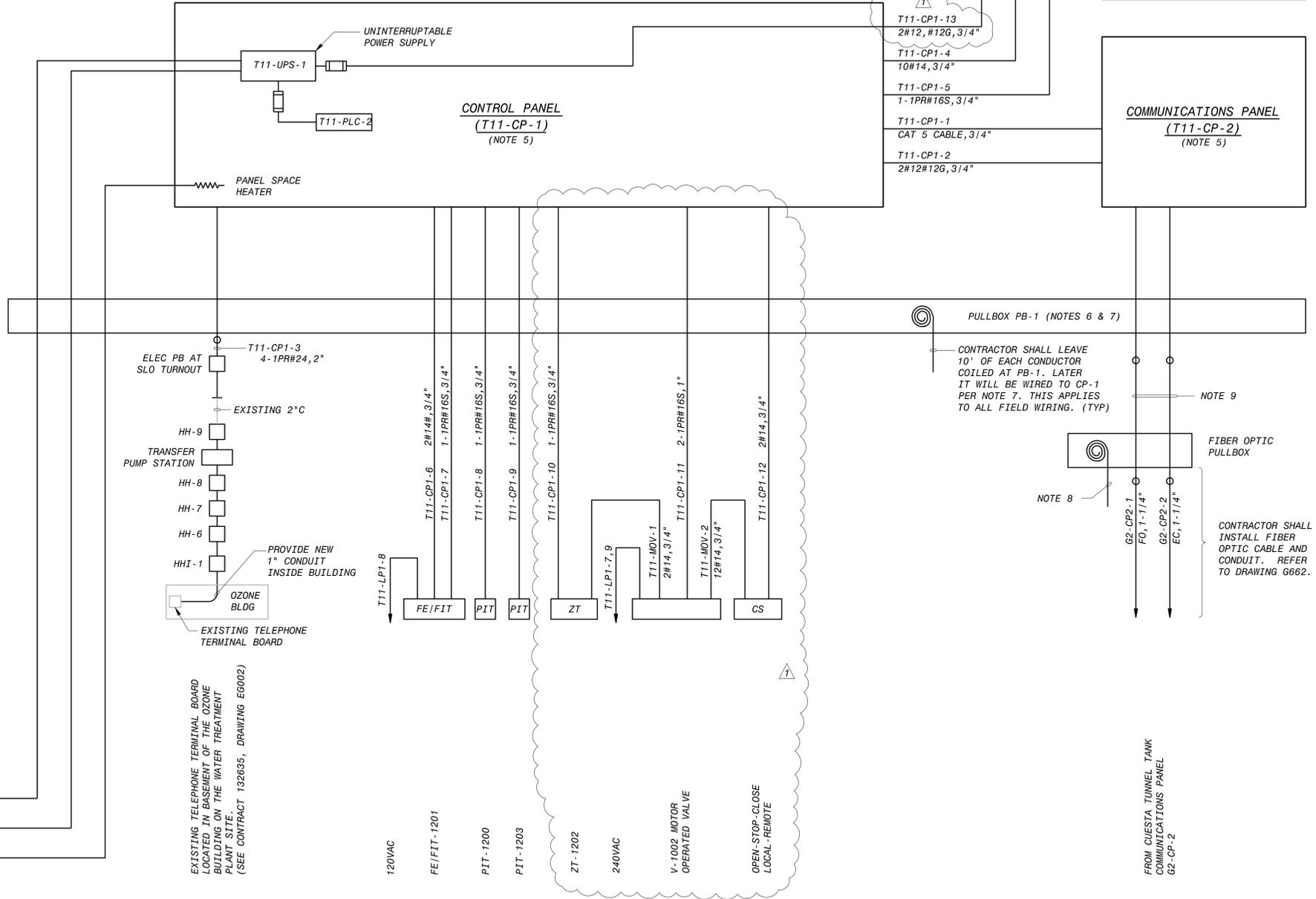
EXISTING MCC-6 (CITY OF SLO WTP TRANSFER PUMP STATION)
480V
40A-2P
NOTE 2



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

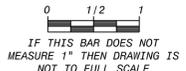
NOTES:

- SEE STD-GE01 THROUGH STD-GE10 FOR LEGEND AND ABBREVIATIONS AND GENERAL NOTES.
- CONTRACTOR TO 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 AND DRAWING EG002 OF CONTRACT 132635.



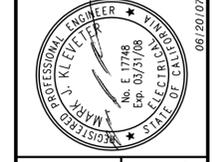
**SAN LUIS OBISPO TURNOUT - T11
ONE-LINE DIAGRAM**
NO SCALE

- CP-1, CP-2, & SP-1 WILL BE FURNISHED AND INSTALLED BY NWP FACILITIES CONTRACTOR CONTRACT 300187.08.02.
- CONTRACTOR SHALL LEAVE 2 COILS OF 50' LONG F.O. CABLE COILED AT THE FIBER OPTIC PULLBOX. LATER IT WILL BE SPLICED TO CP-2 BY THE NWP FACILITIES CONTRACTOR, CONTRACT 300187.08.02.
- CONTRACTOR SHALL FURNISH AND INSTALL (2)1-1/4" EMPTY CONDUITS FROM THE FIBER OPTIC PULLBOX TO PB-1.
- CONTRACTOR SHALL LEAVE 10' OF EACH CONDUCTOR COILED AT PB-1. LATER IT WILL BE WIRED TO CP-1 PER NOTE 7. THIS APPLIES TO ALL FIELD WIRING. (TYP)
- CONTRACTOR SHALL 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 SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR, AND CONDUCTORS SHALL BE LABELED AT BOTH ENDS.
- CONTRACTOR SHALL LEAVE 2 COILS OF 50' LONG F.O. CABLE COILED AT THE FIBER OPTIC PULLBOX. LATER IT WILL BE SPLICED TO CP-2 BY THE NWP FACILITIES CONTRACTOR, CONTRACT 300187.08.02.
- CONTRACTOR SHALL FURNISH AND INSTALL (2)1-1/4" EMPTY CONDUITS FROM THE FIBER OPTIC PULLBOX TO PB-1.
- INSTALL PB1, PB2, PB3, SS1, CR1, CR2 & INDICATOR LIGHTS IN A NEMA 4 ENCLOSURE WITH TERMINAL BLOCKS FOR ALL EXTERNAL CONNECTIONS. MOUNT NEAR VALVE. MOUNT LIGHTS ON THE FACE OF THE ENCLOSURE.



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

NO.	DATE	REVISED FOR	REVISIONS AND RECORD OF ISSUE
1	06/20/07	JCP	ISSUE



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 T11 - SAN LUIS OBISPO TURNOUT
ELECTRICAL
ONE-LINE DIAGRAM

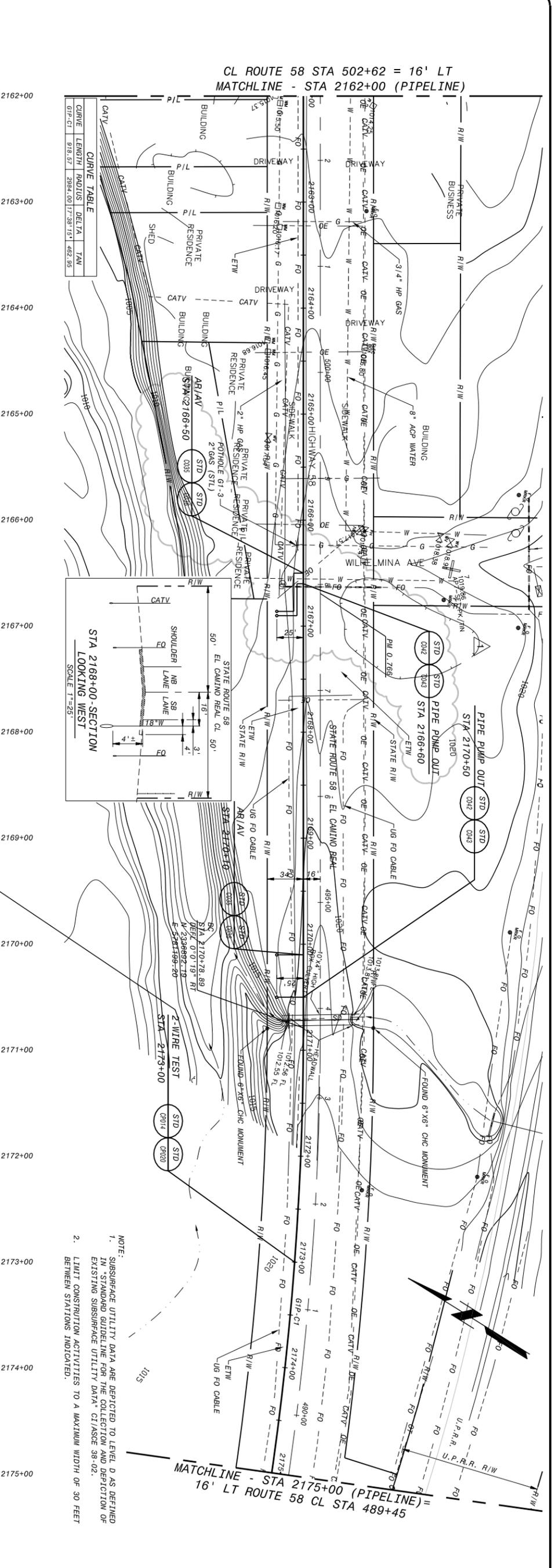
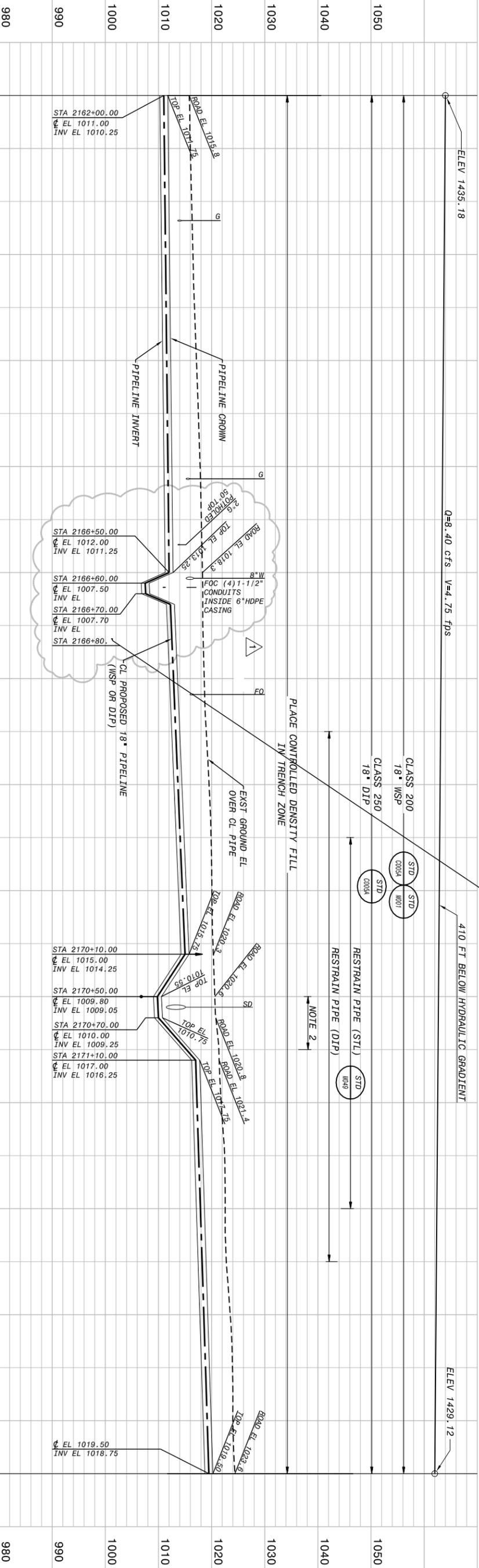
DESIGNED: JJP
DETAILED: JCP
CHECKED: SK
APPROVED: MJK
DATE: 06/20/07

BY PROJECT NO.
137522

NWP PROJECT NO.
300187.08

SPEC
05

T11-E601
SHEET
146 OF 155



HOR: 1" = 50'
VER: 1" = 10'

0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE



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

UNIT G1 - PIPELINE
CIVIL
PLAN AND PROFILE STA 2162+00 - 2175+00

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ENERGY WATER INFORMATION GOVERNMENT
BOYLE
ENGINEERING CORPORATION



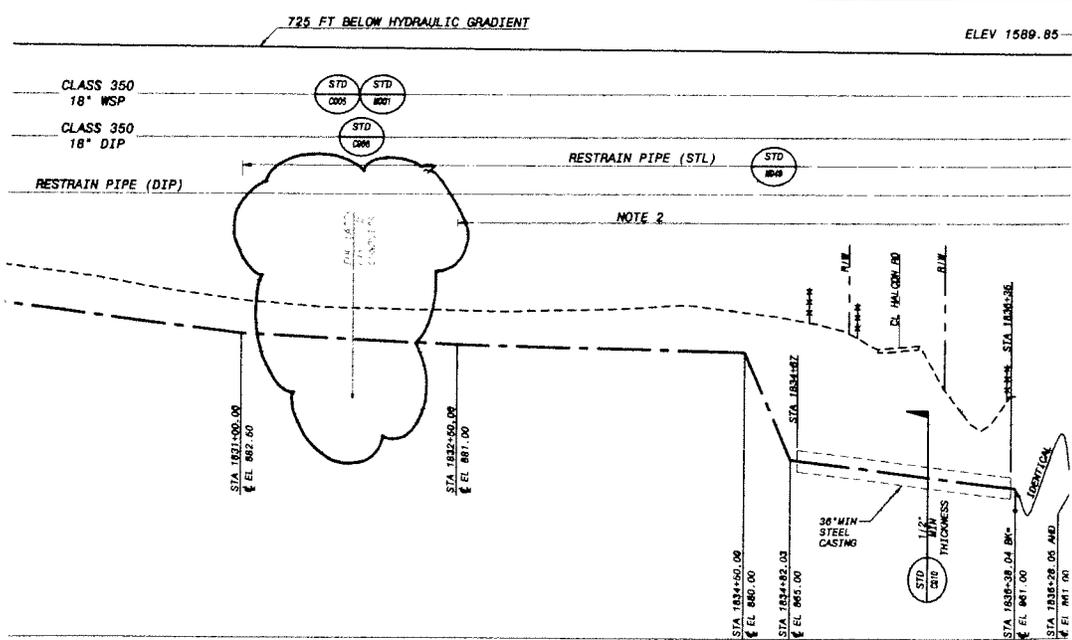
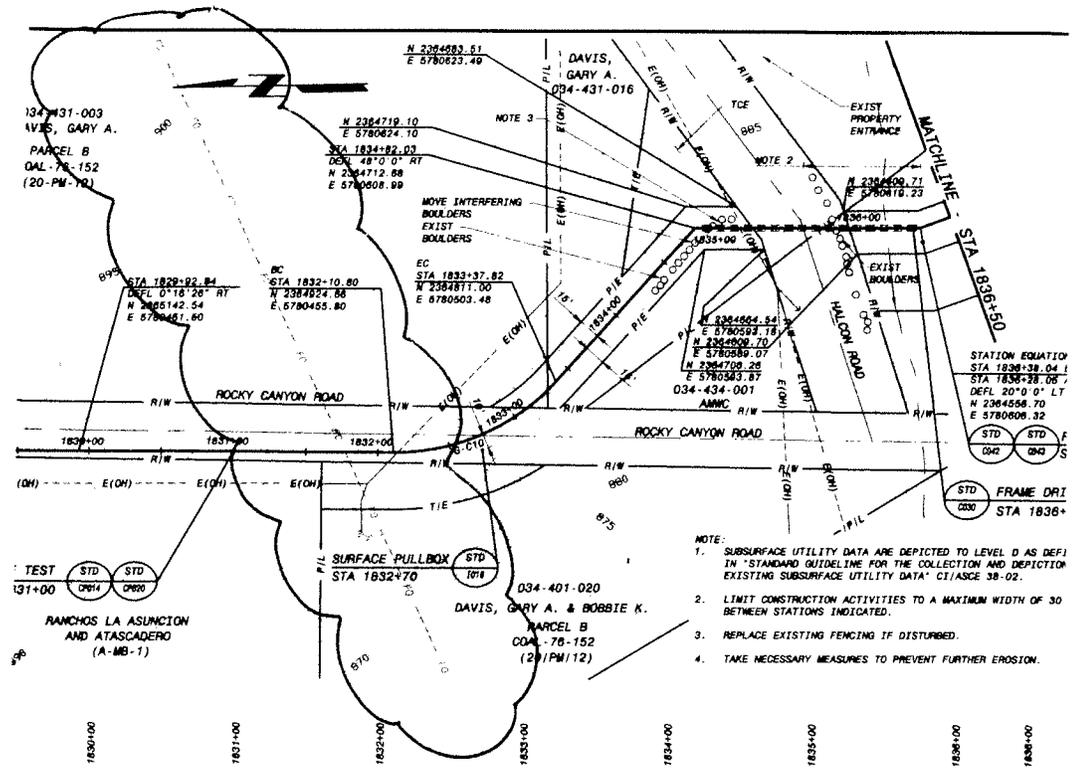
DATE	REVISIONS AND RECORD OF ISSUE	NO.	BY	CK	APP
7-20-07	ADDENDUM	1	JL	AER	AER
CYGNET ID: 137522-C-BP5-E00008KLS XREF1:C:TOP037; C:TOP038 WF: G1P-C280.dwg XREF2:G1-C-HALN01 SAVED: XREF3:G1-C-PROPO1 PLOTTED: XREF4:G1-C-UTIL01 USER: DWG VER: 1.0 XREF5:G1-C-PROPO1.dwg					

DESIGNED: ROJ/LJ
CHECKED: MM
APPROVED: AER
DATE: 04/27/07
BY PROJECT NO.: 137522
NWP PROJECT NO.: 300187.08
SPEC: 05
G1P-C280
SHEET
74 OF 155

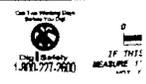
Contract 300187.08.05
Addendum No. 3

Attachment 4 - Sketches 30187.08.05-SK12 through 30187.08.05-SK24

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HOR: 1" = 50'
 VER: 1" = 10'



Added Fiber Optic Conduits

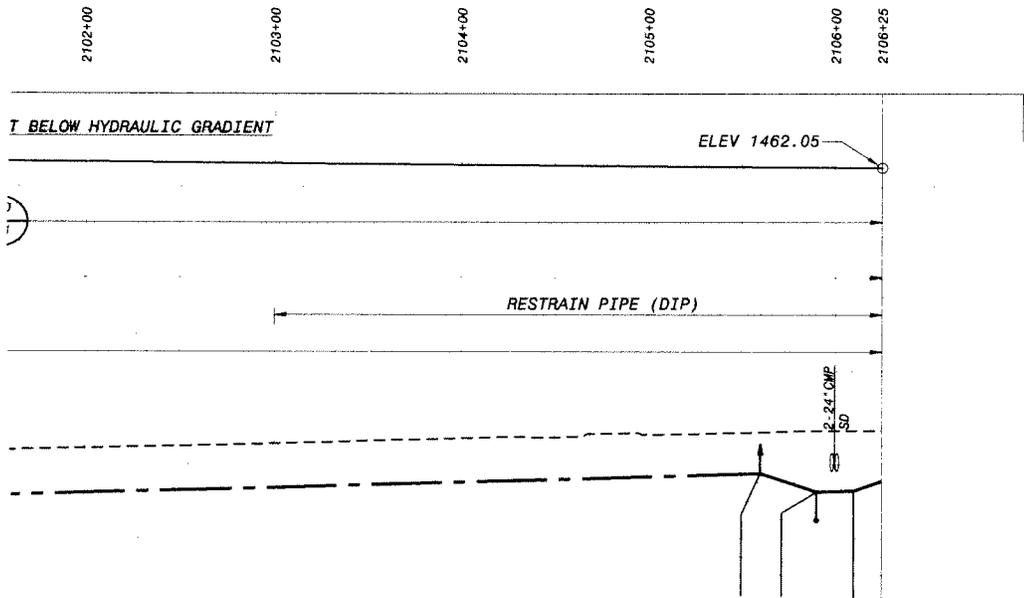
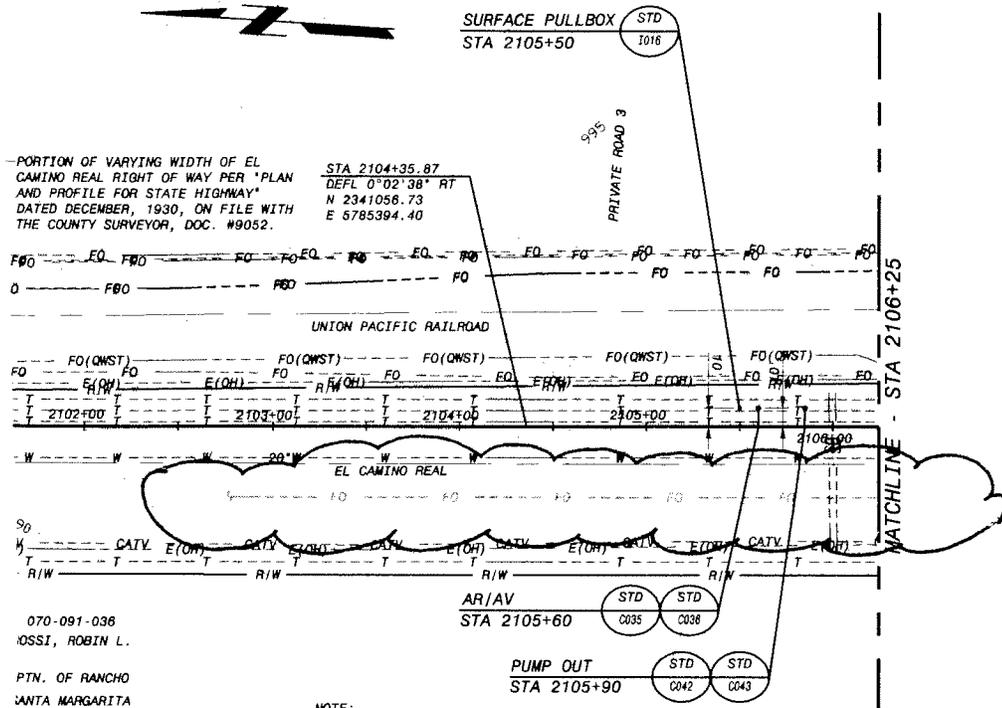
Sheet No.
 18 of 155

Drawing No.
 GP-C252

Sketch No.
 300187.08.05-SK12

Nacimiento Water Project
 Pipeline South
 Contract No. 300187.08.05

ADDENDUM NO. 3

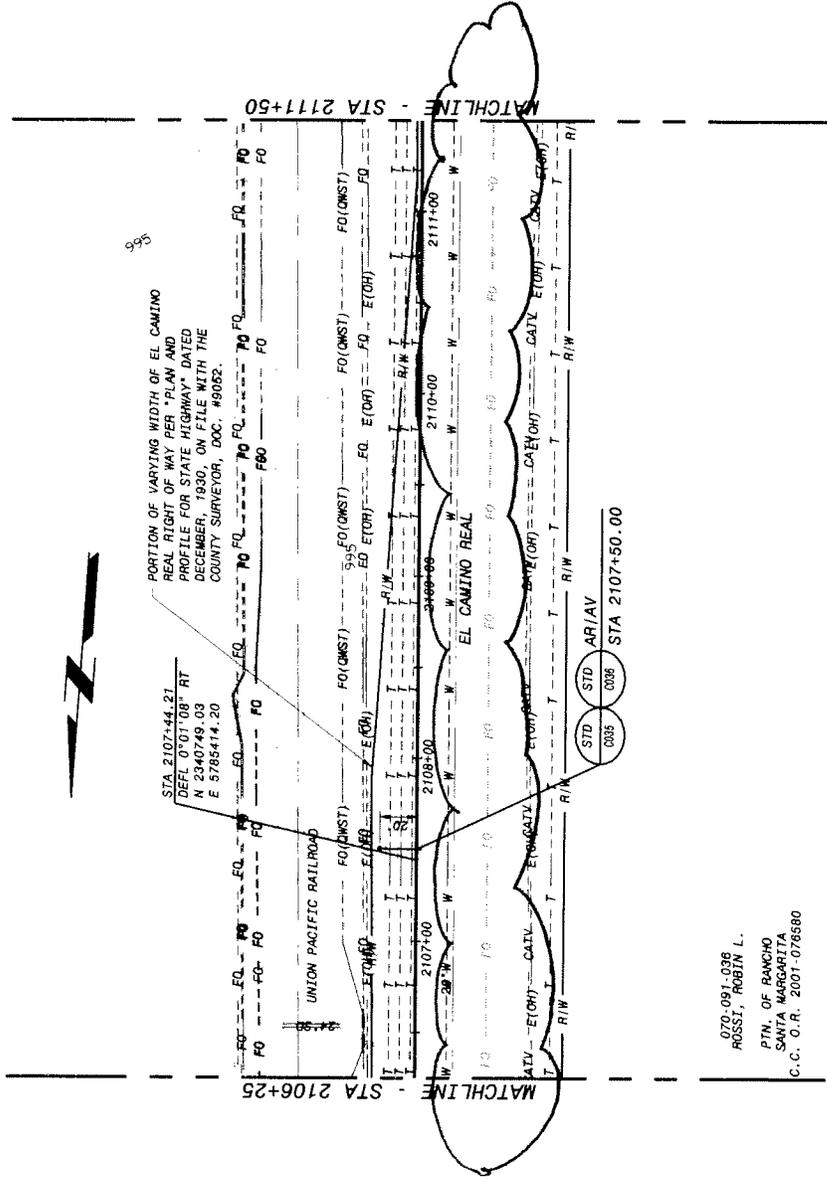


Added Fiber Optic Conduit

Sheet No. 62 of 155	Drawing No. GP-C274	Sketch No. 300187.08.05-SK13
------------------------	------------------------	---------------------------------

Nacimiento Water Project
 Pipeline South
 Contract No. 300187.08.05

ADDENDUM NO. 3



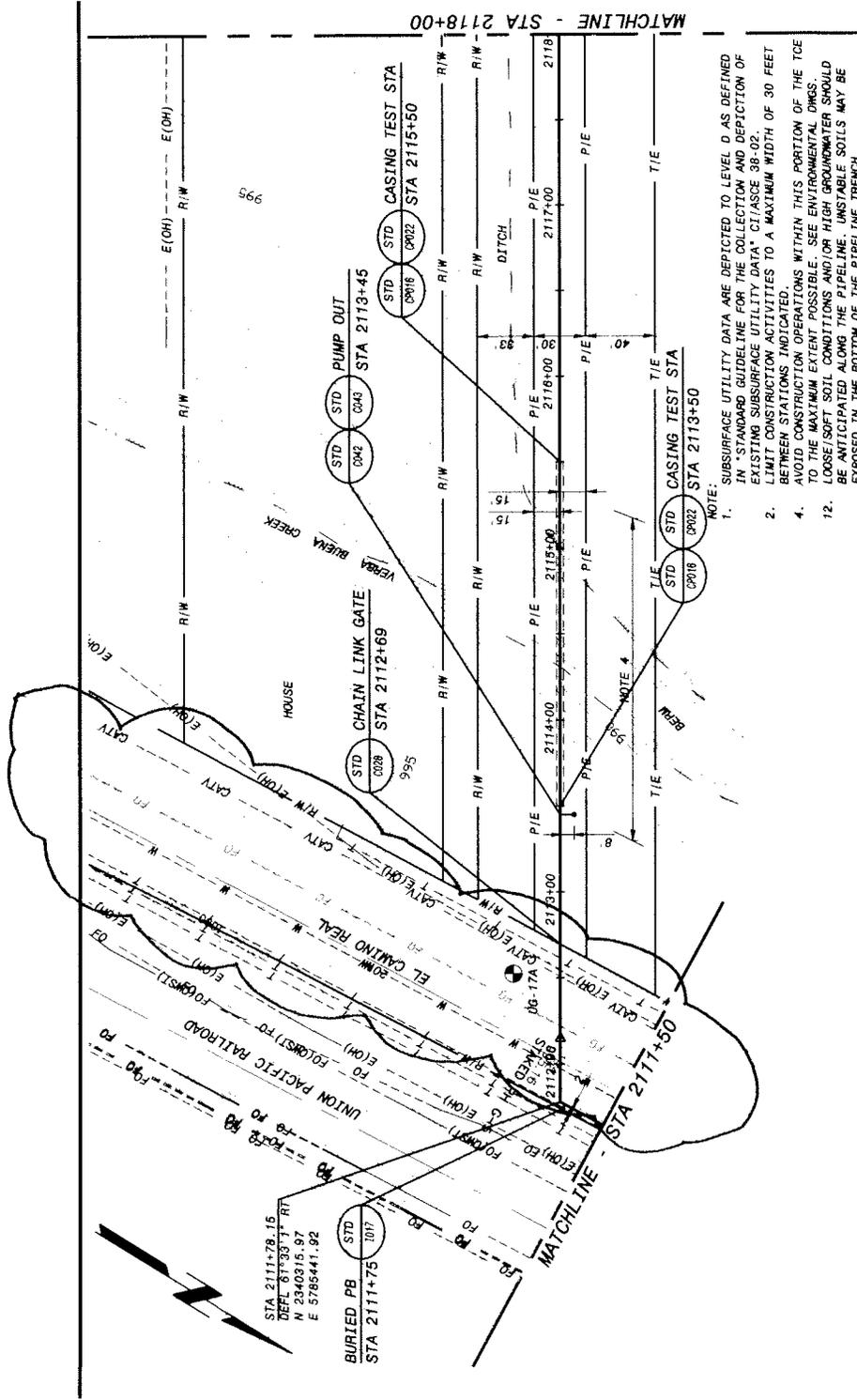
070,091,036
 ROSSI, ROBIN L.
 PTM. OF RANCHO
 SANTA MARGARITA
 C.C. O.R. 2001-076580

Added Fiber Optic Conduits

Sheet No.
 64 of 155
 Nacimiento Water Project
 Pipeline South
 Contract No. 300187.08.05

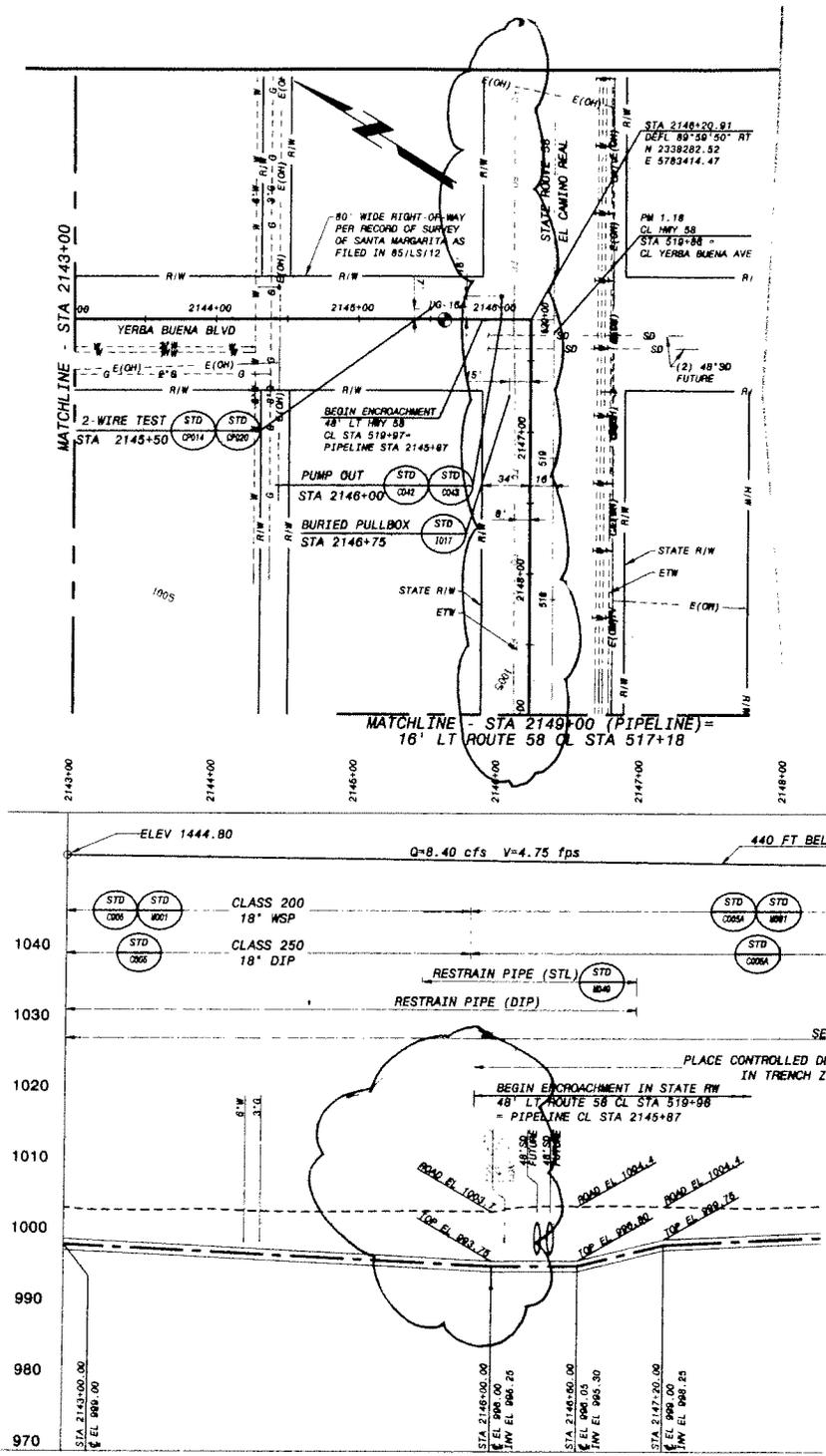
Drawing No.
 GIP-C275

Sketch No.
 300187.08.05-SK14



Added Fiber Optic Conduits

Sheet No.	64 of 155	Drawing No.	GIP-C275	Sketch No.	300187.08.05-SK15
Nacimiento Water Project Pipeline South			ADDENDUM NO. 3		
Contract No. 300187.08.05					



Added Fiber Optic Conduits

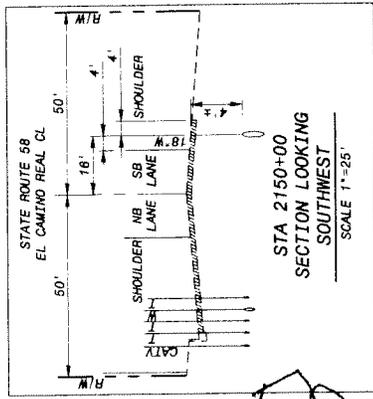
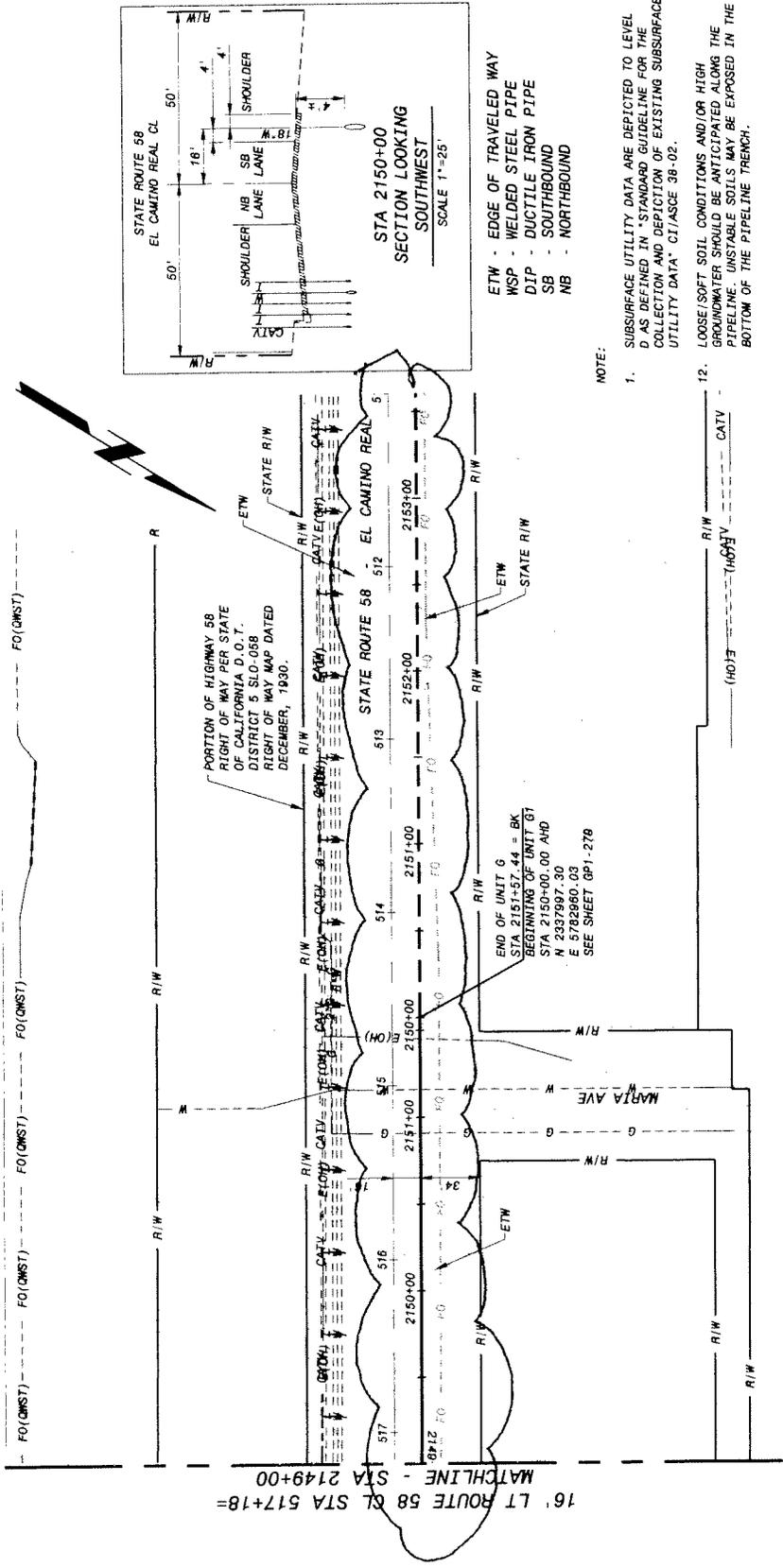
Sheet No.
70 of 155

Drawing No.
GP-C278

Sketch No.
300187.08.05-SK17

Nacimiento Water Project
Pipeline South
Contract No. 300187.08.05

ADDENDUM NO. 3



ETW - EDGE OF TRAVELED WAY
 WSP - WELDED STEEL PIPE
 DIP - DUCTILE IRON PIPE
 SB - SOUTHBOUND
 NB - NORTHBOUND

NOTE:

- SUBSURFACE UTILITY DATA ARE DEPICTED TO LEVEL D AS DEFINED IN "STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA" CI/ASCE 38-02.
- LOOSE/SOFT SOIL CONDITIONS AND/OR HIGH GROUNDWATER SHOULD BE ANTICIPATED ALONG THE PIPELINE. UNSTABLE SOILS MAY BE EXPOSED IN THE BOTTOM OF THE PIPELINE TRENCH.

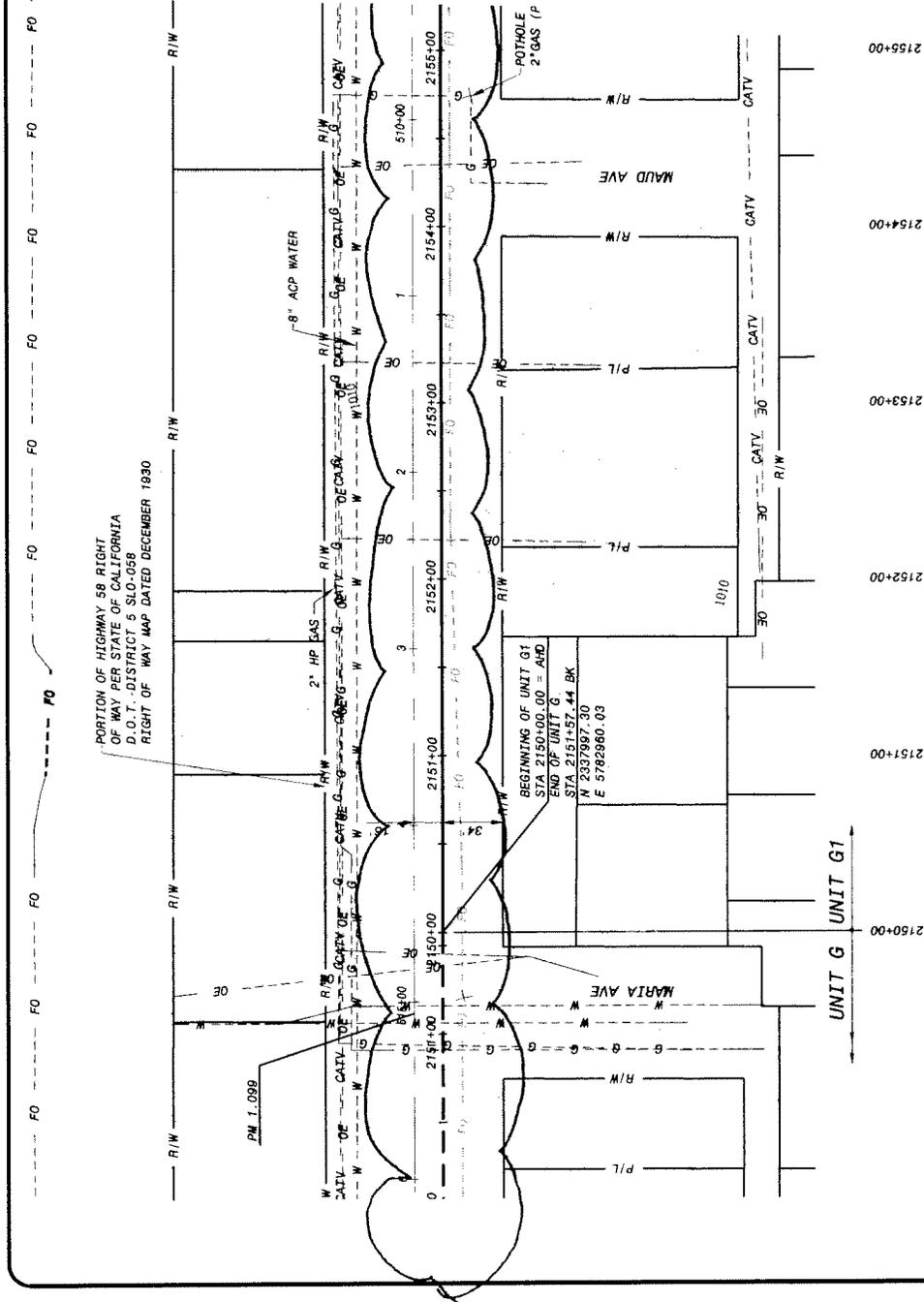
Added Fiber Optic Conduits

Sheet No.
70 of 155

Naciminto Water Project
Pipeline South
Contract No. 300187.08.05

Drawing No.
G1P-C278

Sketch No.
300187.08.05-SK18



Added Fiber Optic Conduits

Sheet No.

72 of 155

Naciminto Water Project
Pipeline South

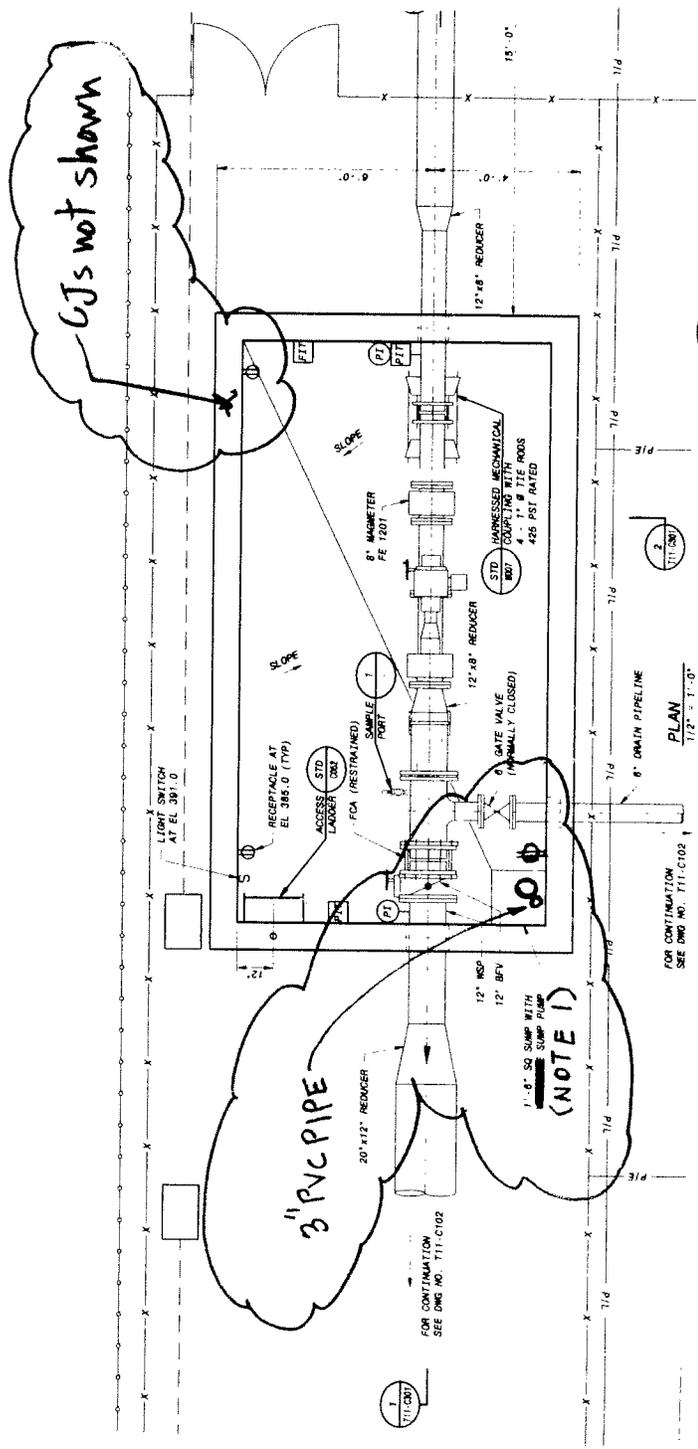
Contract No. 300187.08.05

Drawing No.

G1P-C279

Sketch No.

300187.08.05-SK19

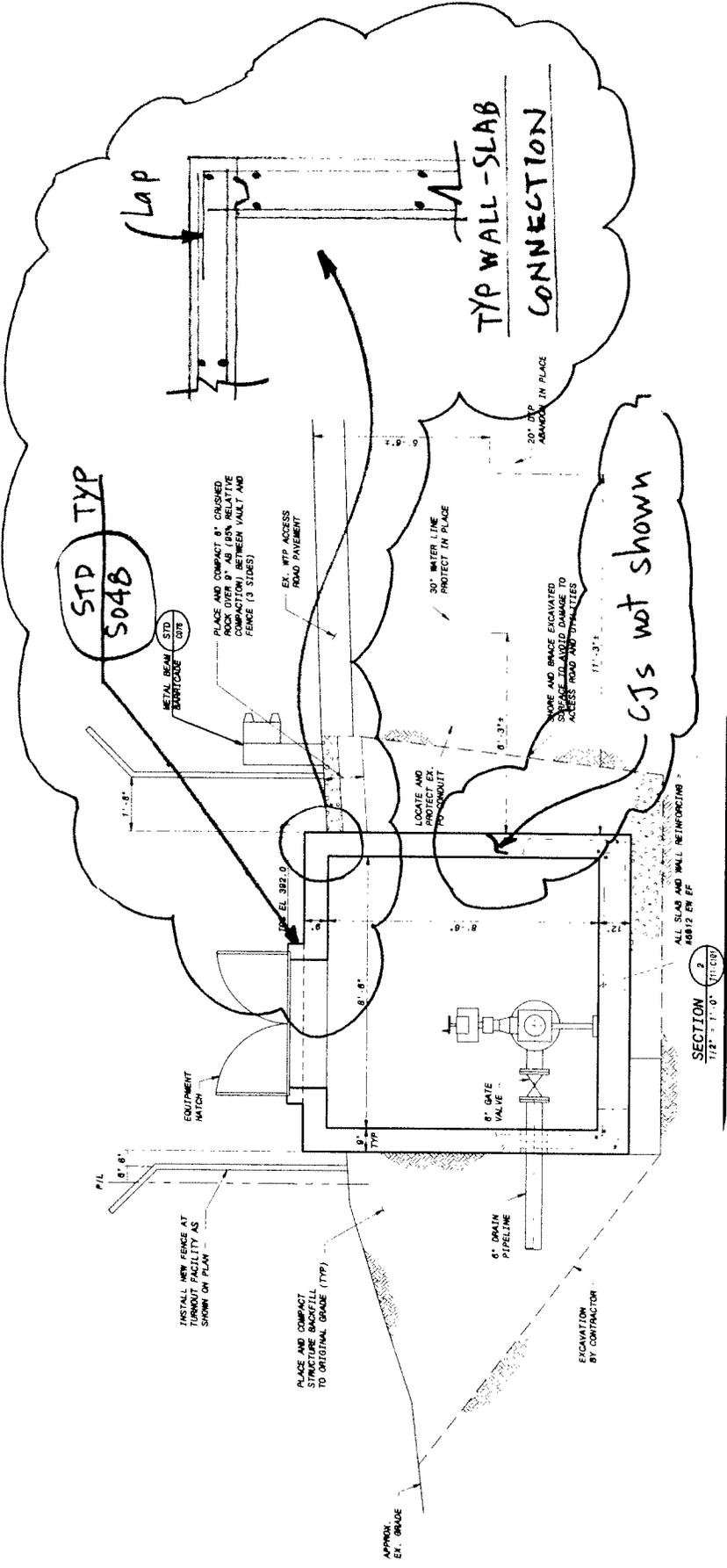


Notes:

1. Install sump pump Flotec Model FPSE3200A, or equal. Install 2" check valve on discharge piping, followed by 2" x 3" reducer, and route 3" PVC drain line to surface as shown.

Misc. Revisions

Sheet No.	142 of 155	Drawing No.	T11-C101	Sketch No.	300187.08.05-SK21
Nacimiento Water Project					
Pipeline South					
Contract No. 300187.08.05					
ADDENDUM NO. 3					



Misc. Revisions

Sheet No.
144 of 155

Drawing No.
T11-C301

Sketch No.
300187.08.05-SK23

Naciminto Water Project
Pipeline South
Contract No. 300187.08.05

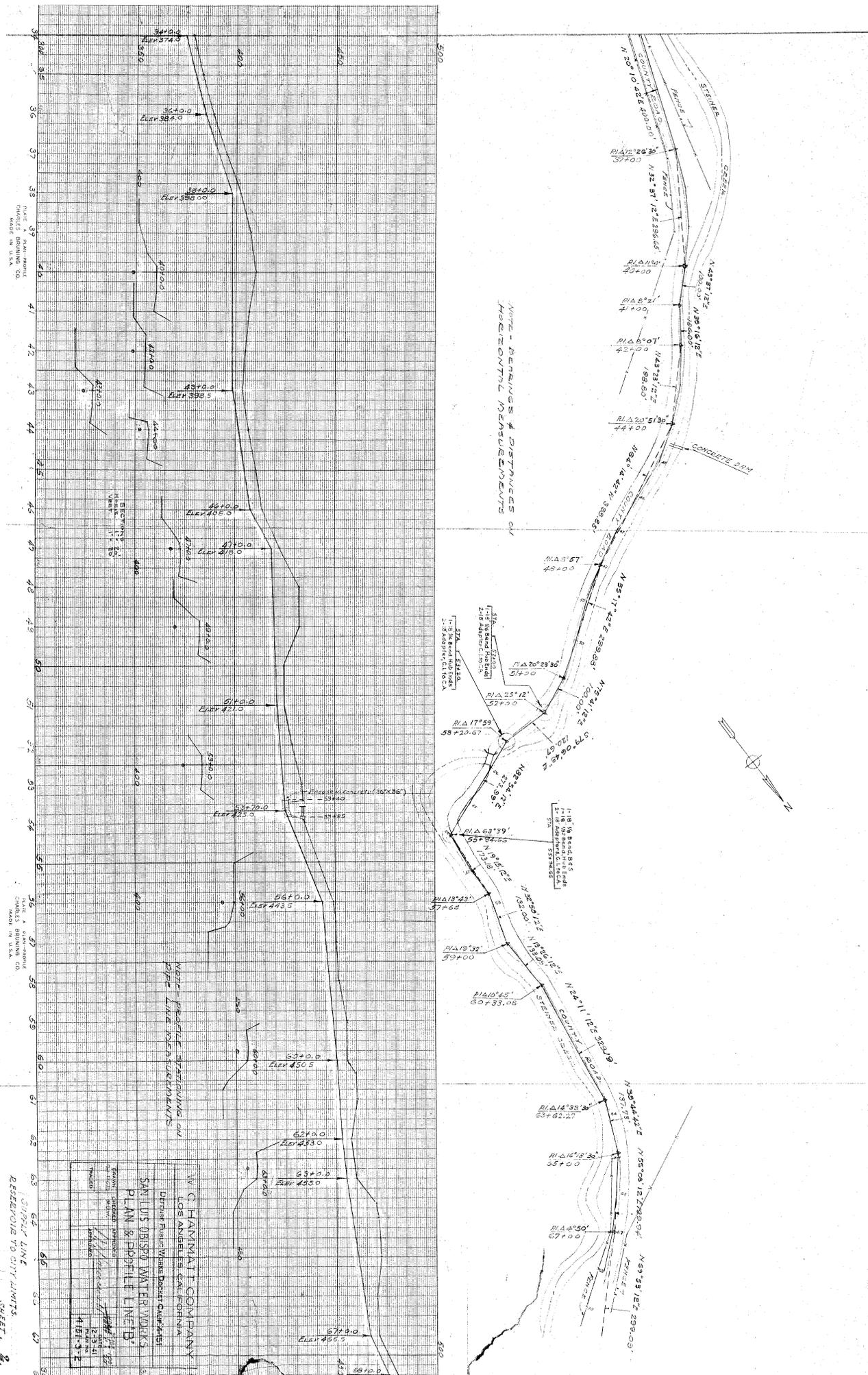
ADDENDUM NO. 3

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Contract 300187.08.05
Addendum No. 3

Attachment 5 - Reference Drawings – San Luis Obispo Water Works, Plan
and Profile Line B

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W. C. HANMATT COMPANY
 408 ANAHEIM CALIFORNIA
 Licensed Professional Engineer
 No. 4187 - S - 2

DATE: 10/15/58
 SHEET NO. 2

Contract 300187.08.05
Addendum No. 3

Attachment 6 - Property owner requirements page(s) and legal descriptions for
the City of San Luis Obispo parcels APN 073-291-003
and APN 073-281-006

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Property Owner:	Assessor Parcel Number:				
City of San Luis Obispo	073-291-003				
Location (Approx.):	Drawing Number(s):				
<table border="0"> <tr> <td>FROM</td> <td>TO</td> </tr> <tr> <td>2372+20</td> <td>2388+50</td> </tr> </table>	FROM	TO	2372+20	2388+50	H1P-C293 H1P-C294
FROM	TO				
2372+20	2388+50				
<p>Refer to attached plats and legal descriptions for easement geometry information.</p> <p><u>Remarks:</u></p> <p>Specific CONTRACTOR Requirements:</p> <ul style="list-style-type: none"> ▪ Coordinate with DISTRICT, property owner and adjoining property owners for access. ▪ CONTRACTOR shall protect existing subsurface waterlines on Grantor's property (if any) and shall protect or restore any impacted storm drains, culverts, and/or other existing improvements, in a manner that assures the surface flow of water across the Easement Areas. Surface restoration shall include restoration of storm drain(s), drainage culverts, and swales across the surface of the Easement Areas so that surface water runoff continues to drain across the Easement Areas. ▪ CONTRACTOR shall protect in-place existing facilities, underground utilities, and structures (if any) as shown on the Drawings. <p>Schedule Constraints:</p> <ul style="list-style-type: none"> ▪ As specified in Section 01311 and as shown on the Drawings. <p>Site Restoration Requirements:</p> <ul style="list-style-type: none"> ▪ As specified in Section 02950. ▪ CONTRACTOR shall restore the easement areas to the condition that existed prior to project construction. 					

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EXHIBIT "B"

**Permanent Right-of-Way
Legal Description**

All that portion of real property in the County of San Luis Obispo, State of California designated Lot 1 of "Map of The Partition of the Rancho Potrero de San Luis Obispo, San Luis Obispo County, California", according to the Final Decree recorded September 29th, 1885, filed in Book U, Page 28 of Deeds, in the office of the Recorder for said County, and shown on that map recorded December 19th, 1887, filed in Book A, at Page 171 of Maps, in the office of the Recorder for said County;

Being a 30.00 foot wide strip of land lying 15.00 feet on each side of the following described centerline:

Commencing from a ¾" iron pipe tagged L.S. 6043, marking corner S.11 of Rancho Potrero de San Luis Obispo, as shown on said map;

Thence, South 61° 47' 12" West, 950.59 feet to the **True Point of Beginning** at the eastern boundary of that portion of said Lot 1 conveyed to the City of San Luis Obispo by Grant Deed recorded March 24th, 2000, filed as Document Number 2000-015399 of Official Records in the office of the Recorder for said County;

Thence, leaving the eastern boundary of said portion of Lot 1 conveyed to the City of San Luis Obispo, South 49° 10' 40" West, 171.11 feet (course L1);

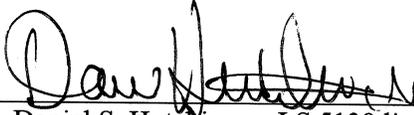
Thence, South 58° 58' 30" West, 1456.79 feet (course L2) to the western boundary of said portion of Lot 1 conveyed to the City of San Luis Obispo;

Furthermore, the sidelines of the herein above described strip of land shall be lengthened and/or shortened to intersect each other at angle points and where the sidelines intersect property boundaries.

The above described Permanent Right-of-Way contains an area of 48,837 square feet, more or less.

Bearings shown hereon are based upon the World Geodetic System of 1984 (WGS84) reference frame as determined from GPS observations obtained in September 2005.

End Description

Prepared by: 
Daniel S. Hutchinson, LS 5139 license renewal 6/30/09)

Date: 07/23/07



EXHIBIT "C"

**Temporary Construction Easement
Legal Description**

All that portion of real property in the County of San Luis Obispo, State of California designated Lot 1 of "Map of The Partition of the Rancho Potrero de San Luis Obispo, San Luis Obispo County, California", according to the Final Decree recorded September 29th, 1885, filed in Book U, Page 28 of Deeds, in the office of the Recorder for said County, and shown on that map recorded December 19th, 1887, filed in Book A, at Page 171 of Maps, in the office of the Recorder for said County, more particularly described as follows:

A 50.00 foot wide strip of land lying adjacent to and Northwesterly from the Northwesterly line of the permanent right-of-way described herewith in Exhibit "B" by course L1;

A 40.00 foot wide strip of land lying adjacent to and Southeasterly from the Southeasterly line of the permanent right-of-way described herewith in Exhibit "B" by course L1;

A 40.00 foot wide strip of land lying adjacent to and Northwesterly from the Northwesterly line of the permanent right-of-way described herewith in Exhibit "B" by course L2;

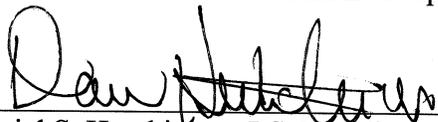
A 15.00 foot wide strip of land lying adjacent to and Southeasterly from the Southeasterly line of the permanent right-of-way described herewith in Exhibit "B" by course L2;

Furthermore, the sidelines of the herein above described strip of land shall be lengthened and/or shortened to intersect each other at angle points and where the sidelines intersect property boundaries;

The area of this Temporary Construction Easement contains 92,977 square feet, more or less.

End Description

Prepared by:


Daniel S. Hutchinson, LS 5139 license renewal 6/30/09)

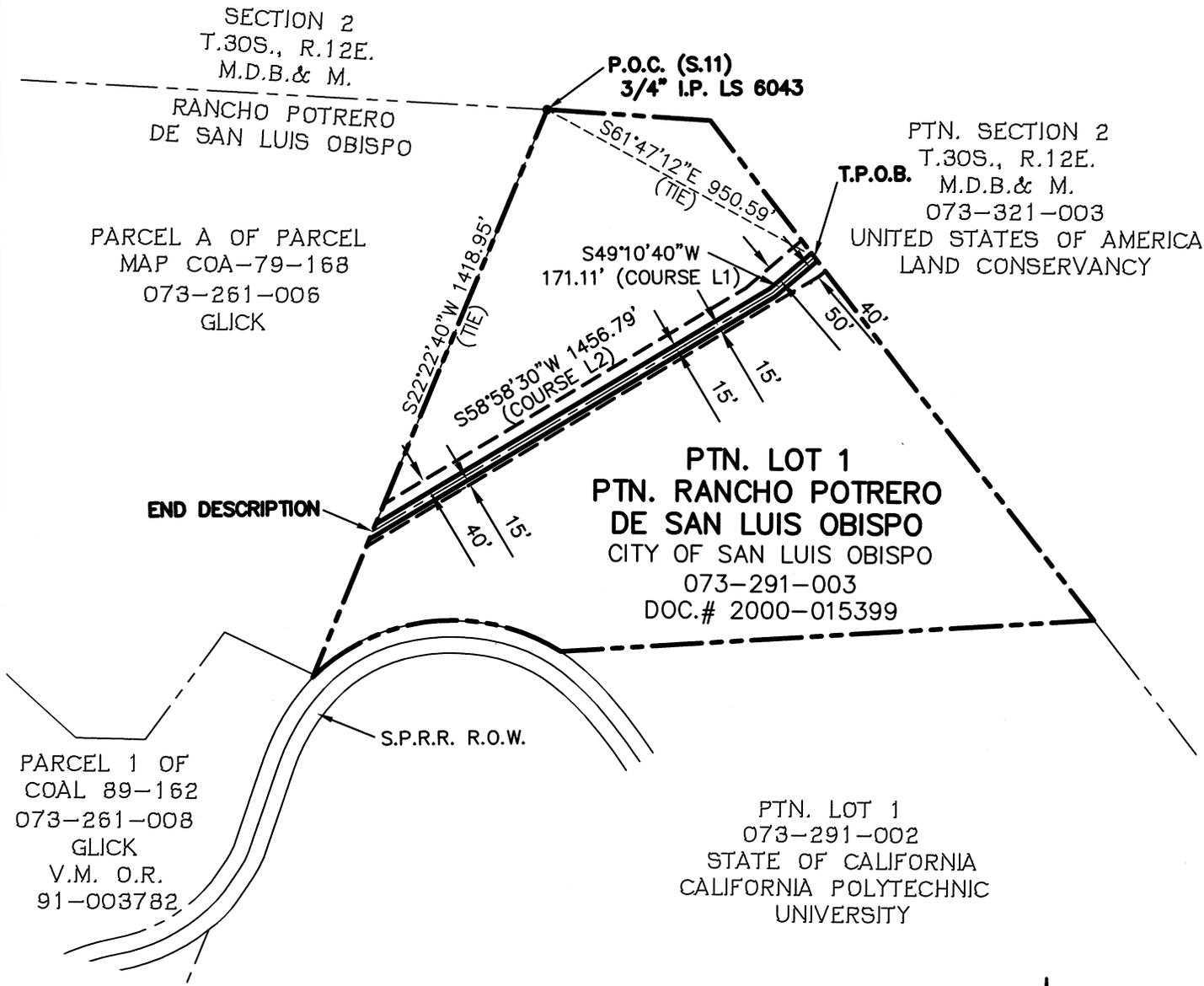
Date:

07/23/07



BASIS OF BEARINGS

BEARINGS SHOWN HEREON ARE BASED UPON THE WORLD GEODETIC SYSTEM OF 1984 (WGS84) REFERENCE FRAME AS DETERMINED FROM GPS OBSERVATIONS OBTAINED IN SEPTEMBER 2005.



PERMANENT RIGHT-OF-WAY AREA= 48,837 S.F.
 TEMPORARY EASEMENT AREA= 92,977 S.F.
 TOTAL EASEMENT AREA= 141,814 S.F.

- = CENTERLINE OF PERMANENT RIGHT-OF-WAY
- - - - - = TEMPORARY CONSTRUCTION EASEMENT (TCE)
- = PERMANENT RIGHT-OF-WAY (PE)

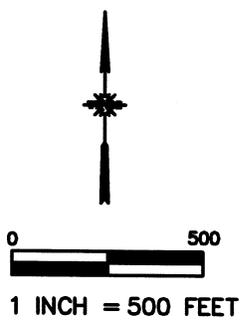


EXHIBIT D

<p>Cannon ASSOCIATES ENGINEERS PLANNERS SURVEYORS 304 Pacific Street San Luis Obispo, CA 93401 (805) 544-7427</p>	<p>NWP NACIMIENTO WATER PROJECT San Luis Obispo County Flood Control & Water Conservation District</p>	PORTION OF RANCHO POTRERO DE SAN LUIS OBISPO		
		COUNTY OF SAN LUIS OBISPO, CALIFORNIA		
DRAWN BY: MS	CHECKED BY: DSH	DATE: 07/23/07		

CUESTA TITLE ORDER #7800465

F:\proj\2004\041221\Survey\Design\Master Drawings\Legal Description Plots\7800465-SLO_City\ExhibitD-RailROAD.dwg 7-23-07 04:20:51 PM mathews

Property Owner:	Assessor Parcel Number:				
City of San Luis Obispo	073-281-006				
Location (Approx.):	Drawing Number(s):				
<table border="0"> <tr> <td>FROM</td> <td>TO</td> </tr> <tr> <td>2454+90</td> <td>2462+80</td> </tr> </table>	FROM	TO	2454+90	2462+80	H1P-C300
FROM	TO				
2454+90	2462+80				
<p>Refer to attached plats and legal descriptions for easement geometry information.</p> <p><u>Remarks:</u></p> <p>Specific CONTRACTOR Requirements:</p> <ul style="list-style-type: none"> ▪ Coordinate with DISTRICT, property owner and adjoining property owners for access. ▪ Work is being performed at an existing, operating water treatment plant. CONTRACTOR shall protect existing facilities, structures, and subsurface utilities on the plant site as well as storm drains, culverts, and/or other existing improvements. ▪ CONTRACTOR shall coordinate with the ENGINEER and City for access to the plant site, and work shall not disrupt plant operation. <p>Schedule Constraints:</p> <ul style="list-style-type: none"> ▪ As specified in Section 01311 and as shown on the Drawings. <p>Site Restoration Requirements:</p> <ul style="list-style-type: none"> ▪ As specified in Section 02950; re-vegetation shall match the existing vegetation. ▪ CONTRACTOR shall restore the easement areas to the condition that existed prior to project construction. 					

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EXHIBIT "B"

**Permanent Right-of-Way
Legal Description**

All that portion of real property in the County of San Luis Obispo, State of California designated Lot 9 of "Map of The Partition of the Rancho Potrero de San Luis Obispo, San Luis Obispo County, California", according to the Final Decree recorded September 29th, 1885, filed in Book U, Page 28 of Deeds, in the office of the Recorder for said County, shown on that map recorded December 19th, 1887, filed in Book A, at Page 171 of Maps, in the office of the Recorder for said County;

Being a 40.00 foot wide strip of land lying 20.00 feet on each side of the following described centerline:

Commencing from a 6"X 6" concrete monument tagged R.C.E. 1880 marking corner "T" as shown on that Record of Survey recorded January 28, 1980, filed in Book 37, at Page 27 of Licensed Surveys in the office of the Recorder for said County;

Thence, North 57° 35' 54" East, 544.95 feet to the northeasterly boundary of that portion of Lot 9 conveyed to the City of San Luis Obispo by Grant Deed recorded January 18th, 1951, filed in Book 594, at Page 71 of Official Records in the office of the Recorder for said County, and the **True Point of Beginning**;

Thence, South 75° 38' 38" West, 229.72 feet (course L1);

Thence, on a tangent curve concave to the left with a radius of 230.00 feet, through a central angle of 43° 12' 05", an arc length of 173.42 feet (course C1);

Thence, South 32° 26' 33" West, 92.19 feet (course L2);

Thence, on a tangent curve concave to the left with a radius of 215.00 feet, through a central angle of 38° 34' 42", an arc length of 144.76 feet (course C2);

Thence, South 06° 08' 09" East, 211.88 feet (course L3) to the southern boundary of that portion of Lot 9 condemned by order of the District Court of the United States in and for the Southern District of California Central Division, by Lis Pendens action recorded September 10th, 1942, as filed in Volume 316, at Page 445 of Official Records in the office of the Recorder for said County at a point that lies, South 08° 05' 04" East, 294.08 feet from said 6"X 6" concrete monument tagged R.C.E. 1880;

Furthermore, the sidelines of the herein above described strip of land shall be lengthened and/or shortened to intersect each other at angle points and where the sidelines intersect property boundaries.

The above described Permanent Right-of-Way contains an area of 31,585 square feet, more or less.

Bearings shown hereon are based upon the World Geodetic System of 1984 (WGS84) reference frame as determined from GPS observations obtained in September 2005.

End Description

Prepared by: *Daniel S. Hutchinson*
Daniel S. Hutchinson, LS 5139 license renewal 6/30/09)

Date: 07/23/07



EXHIBIT "C"

**Temporary Construction Easement
Legal Description**

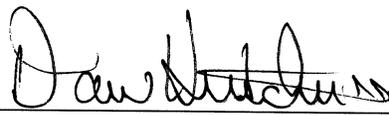
All that portion of real property in the County of San Luis Obispo, State of California designated Lot 9 of "Map of The Partition of the Rancho Potrero de San Luis Obispo, San Luis Obispo County, California", according to the Final Decree recorded September 29th, 1885, filed in Book U, Page 28 of Deeds, in the office of the Recorder for said County, shown on that map recorded December 19th, 1887, filed in Book A, at Page 171 of Maps, in the office of the Recorder for said County more particularly described as follows:

A 55.00 foot wide strip of land adjoining and lying Southeasterly and Easterly of the Southeasterly and Easterly line of said permanent right-of-way described herewith in Exhibit "B";

Furthermore, the sidelines of the herein above described strip of land shall be lengthened and/or shortened to intersect each other at angle points and where the sidelines intersect property boundaries;

The area of this Temporary Construction Easement contains 45,666 square feet, more or less.

End Description

Prepared by: 
Daniel S. Hutchinson, LS 5139 license renewal 6/30/09)

Date: 07/23/07

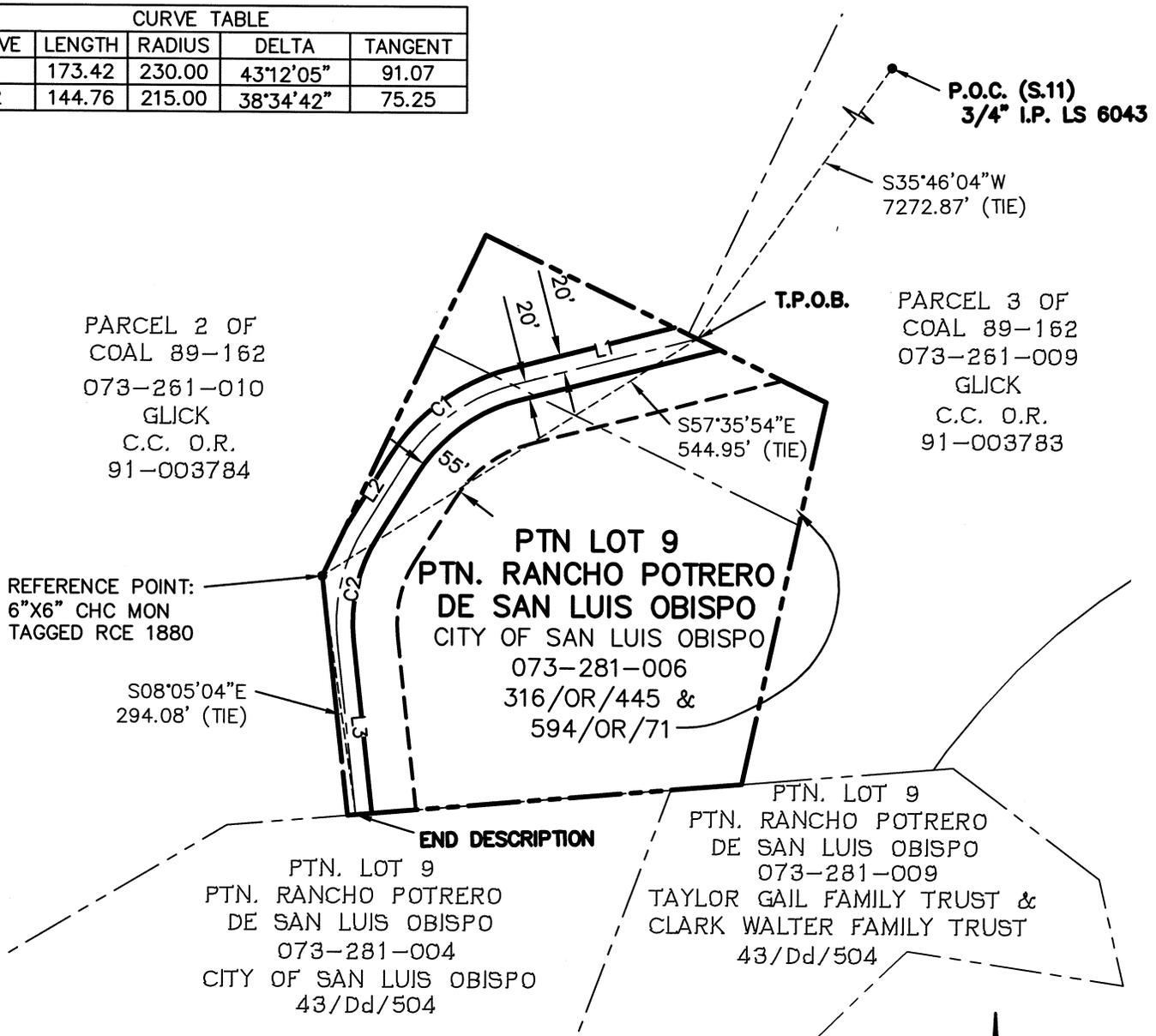


LINE TABLE		
LINE	LENGTH	BEARING
L1	229.72	S75°38'38"W
L2	92.19	S32°26'33"W
L3	211.88	S06°08'09"E

CURVE TABLE				
CURVE	LENGTH	RADIUS	DELTA	TANGENT
C1	173.42	230.00	43°12'05"	91.07
C2	144.76	215.00	38°34'42"	75.25

BASIS OF BEARINGS

BEARINGS SHOWN HEREON ARE BASED UPON THE WORLD GEODETIC SYSTEM OF 1984 (WGS84) REFERENCE FRAME AS DETERMINED FROM GPS OBSERVATIONS OBTAINED IN SEPTEMBER 2005.



PARCEL 2 OF
COAL 89-162
073-261-010
GLICK
C.C. O.R.
91-003784

PARCEL 3 OF
COAL 89-162
073-261-009
GLICK
C.C. O.R.
91-003783

REFERENCE POINT:
6"X6" CHC MON
TAGGED RCE 1880

S08°05'04"E
294.08' (TIE)

S57°35'54"E
544.95' (TIE)

PTN LOT 9
PTN. RANCHO POTRERO
DE SAN LUIS OBISPO
CITY OF SAN LUIS OBISPO
073-281-006
316/OR/445 &
594/OR/71

PTN. LOT 9
PTN. RANCHO POTRERO
DE SAN LUIS OBISPO
073-281-004
CITY OF SAN LUIS OBISPO
43/Dd/504

PTN. LOT 9
PTN. RANCHO POTRERO
DE SAN LUIS OBISPO
073-281-009
TAYLOR GAIL FAMILY TRUST &
CLARK WALTER FAMILY TRUST
43/Dd/504

PERMANENT RIGHT-OF-WAY AREA= 31,585 S.F.
TEMPORARY EASEMENT AREA= 45,666 S.F.
TOTAL EASEMENT AREA= 77,251 S.F.

- — — — — = CENTERLINE OF PERMANENT RIGHT-OF-WAY
- - - - - = TEMPORARY CONSTRUCTION EASEMENT (TCE)
- = PERMANENT RIGHT-OF-WAY (PE)

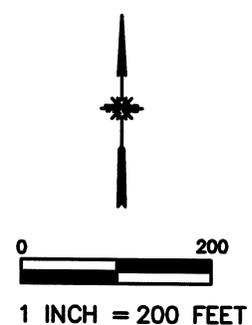


EXHIBIT D

F:\projects\2004\041221\Survey\Design\Master Drawings\Legal Description Plots\T7800465-Si.O. City\ExhibitD-STENNER.dwg 7-23-07 02:54:21 PM mathews

Cannon
ASSOCIATES
ENGINEERS
PLANNERS
SURVEYORS
364 Pacific Street
San Luis Obispo, CA 93401
(805) 944-7427

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

PORTION OF RANCHO POTRERO DE SAN LUIS OBISPO		
COUNTY OF SAN LUIS OBISPO, CALIFORNIA		
DRAWN BY: MS	CHECKED BY: DSH	DATE: 07/23/07

CUESTA TITLE ORDER #T7800465

Contract 300187.08.05
Addendum No. 3

Attachment 7 - Section 07700, Roof Specialties and Accessories

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Section 07700

ROOF SPECIALTIES AND ACCESSORIES

PART 1 - GENERAL

1-1. SCOPE. This Section covers roof hatches and miscellaneous roof accessories.

1-2. GENERAL. Roof accessories shall be provided and installed at the locations indicated on the Drawings. Fasteners as required for mounting the accessories shall be provided.

1-3. SUBMITTALS. Submit the following in accordance with the requirements specified in Section 01300, "Submittals:"

- Submit complete specifications, detailed drawings, and setting and erection drawings covering roof accessories.
- Submit roof hatch manufacturer's warranty.

PART 2 - PRODUCTS

2-1. ROOF HATCHES. Roof hatches shown on the Drawings shall be as follows:

The "Access Hatch," also called out as "Floor Hatch," shall be BILCO Type J Steel manufactured by The BILCO Company; or equal. Hatch shall have single leaf cover constructed of 1/4" steel diamond pattern plate and reinforced for a 300 PSF live load. Dimensions shall be as shown on the Drawings.

The "Equipment Hatch", also called out as "Double Door Floor Hatch," shall be BILCO Type JD 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 a 300 PSF live load. 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.

Hatches shall be shop-primed and field painted after installation with System A6 as specified in Section 09940, "Protective Coatings."

PART 3 - EXECUTION

3-1. INSTALLATION. All products provided under this Section shall be installed in accordance with the manufacturers' instructions. Unless otherwise noted, all anchors shall be non-corrosive.

Install drain pipe in roof slab that is connected to drain coupling on hatch.

3-2. TESTING. CONTRACTOR shall test for proper operation after installation.

End of Section

Contract 300187.08.05
Addendum No. 3

Attachment 8 - Insert to Section 13540

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Insert for Section 13540:

Note: The 12-strand fiber optic cable for installation at the Cuesta Tunnel shall meet all of the requirements specified for the fiber optic cable above, with the following optical fibers cable parameters specified by Central Coast Water Authority:

Cuesta Tunnel 12-Strand
OPTICAL FIBERS CABLE PARAMETERS

Parameters

Fiber Type	SM Step index
Core Diameter	8.5 um ±5 um
Cladding Diameter	125 um ±2 um
Core/Clad Concentricity Error	≤1 um
Coating Diameter	250 um ±15 um
Attenuation: @ 1,300 nm	≤0.4 db/km
@ 1,550 nm	≤0.2 db/km
Proof Test	50,000 psi
Chromatic Dispersion: Zero Dispersion Wavelength (W ₀)	W ₀ = 1301.5 to 1321.5 nm
Zero Dispersion Slope (S ₀)	≤0.092 ps/nm ² -km
Buffer Type	Loose tube, gel filled
Number of Fibers/ Buffer	6
Total Number of Fibers in Cable	12
Cable Member Strength	Dielectric
Cable Fill	Water blocking gel
Cut-Off Wavelength	1,140 to 1,330 nm
Mode Field Diameter	9.5 ±0.5 um @ 1,300 nm

The SM optical fiber is also operable at the 1,550 nm wavelength, with a minimum bending radius of 2 inches.