

DOCUMENT 00912

**ADDENDUM NUMBER 2**

Issued: November 29, 2012

**North Bay Water Reuse Program  
 Sonoma Valley County Sanitation District  
 Napa Salt Marsh Restoration Pipeline  
 (Carneros Reservoir to Huichica Unit)**

FROM: Sonoma Valley County Sanitation District  
 404 Aviation Boulevard  
 Santa Rosa, CA 95403-9019

TO: Prospective Bidders

This Addendum forms a part of and modifies the Project Manual dated November 2012. Bidder shall acknowledge receipt of this Addendum in the space provided in Document 00400 (Bid Form).

Modified text is indicated as follows: Double-underline designates text to be inserted; ~~strikethrough~~ designates text to be deleted.

Addendum Number 2 consists of 15 pages (size 8 1/2" x 11") and 7 revised Drawings (size 11" x 17").

**I. General Changes**

A. No changes.

**II. Changes to Prior Addenda**

A. No changes.

**III. Changes to Introductory Information and Bidding Requirements**

A. Document 00320 (Geotechnical Data and Existing Conditions):

1. Insert the following after Paragraph 2.D.4.:

5. Napa Salt Marsh Pothole Investigation  
Inspectors Report (report, photos and videos)  
November 11, 2012

B. Document 00400 (Bid Form):

1. Paragraph 4, SCHEDULE OF BID PRICES, modify Items 12 and 13 as follows:

<b>12.</b>	18" <del>Unr</del> Restrained Pipe	9,924	Linear Foot	\$	\$
<b>13.</b>	18" <del>Unr</del> Restrained Pipe	3,766	Linear Foot	\$	\$

2. Paragraph 4, SCHEDULE OF BID PRICES, modify Items 16 as follows:

<b>16.</b>	<u>4"</u> Turnout	<del>2</del> <u>3</u>	Each	\$	\$
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3. Paragraph 4, SCHEDULE OF BID PRICES, insert the following as Item 17. Renumber remaining items accordingly.

<u>17.</u>	<u>8" Turnout</u>	<u>5</u>	<u>Each</u>	<u>\$</u>	<u>\$</u>
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4. Bidder shall use the revised Document 00400 (Bid Form) attached, marked "REVISED 11/29/12" in its Bid.

**IV. Changes to Contracting Requirements**

A. Document 00520 (Agreement):

1. Items changed in Paragraph III.B above will be updated in the final Agreement.

**V. Changes to Conditions of the Contract**

A. No changes.

**VI. Changes to Specifications**

A. Section 01100 (Summary):

1. Modify Paragraph 1.4 D.7. as follows:
  7. Mobilization/Demobilization. The lump sum price paid under this item shall be full payment for initial mobilization at Project commencement (50% to be paid then), including permit fees, and cleanup and demobilization at Final Completion (50% to be paid then).
2. Modify Paragraph 1.4 D.12. as follows:
  12. 18" UnrRestrained Pipe. The unit price paid under this item shall be the full payment for providing 18" unrestrained pipe, including trenching, dewatering, trench dams, thrust blocks, concrete encasement, fittings, bedding, backfill, testing, and surface restoration of the pipe trench. For the purposes of payment, this item will be measured by the linear foot in the horizontal plane of unrestrained pipe installed, provided, however, that payment shall not exceed 90% of the amount billed for this item until testing is completed. This item does not include payment for pipe installed under items 19 and 20, horizontal directional drill (HDD).
3. Modify Paragraph 1.4 D.13. as follows:
  13. 18" UnrRestrained Pipe. The unit price paid under this item shall be the full payment for providing 18" unrestrained pipe, including trenching, dewatering, trench dams, thrusts blocks, concrete encasement, fittings, bedding, backfill, testing, and surface restoration of the pipe trench. For the purposes of payment, this item will be measured by the linear foot in the horizontal plane of unrestrained pipe installed, provided, however, that payment shall not exceed 90% of the amount billed for this item until testing is completed. This item does not include payment for pipe installed under items 19 and 20, horizontal directional drill (HDD).
4. Modify Paragraph 1.4 D.16. as follows:
  16. 4" Turnout. The unit price paid under this item shall be full payment for providing valves, piping and appurtenances, meter, precast concrete boxes and lids, trenching, backfill, surface restoration, and testing. For the purposes of payment, this item will be measured by the unit for each 4" turnout installed.

5. Insert the following as Paragraph 1.4 D.17. Renumber remaining paragraphs accordingly.
  17. 8" Turnout. The unit price paid under this item shall be full payment for providing valves, piping and appurtenances, meter, precast concrete boxes and lids, trenching, backfill, surface restoration, and testing. For the purposes of payment, this item will be measured by the unit for each 8" turnout installed.
6. Modify Article 1.6, Future Work, as follows:
  - ~~A. Spare conduits installed to motorized valve at end of pipeline.~~
  - ~~B. Space remains to accommodate a diffuser system at the end of the pipe in the 'donut' area.~~
  - A. This Article intentionally left blank.
7. Modify Paragraph 1.7 as follows:
  - A. Construct Work in stages and at times to accommodate Owner operation requirements during the construction period; coordinate construction schedule and operations with Owner.
  - ~~A~~B. Special schedule constraints include the following:
    1. Preconstruction environmental surveys and training: Prior to commencing work on Site, Owner will conduct preconstruction environmental surveys and provide environmental awareness training, if necessary, to Contractor.
    2. ~~Nesting/Breeding birds: Work is prohibited from March 15 through September 15 between Stations 537+00 and 542+00. Dependent upon when nesting season concludes, Contractor may begin work in this area sooner, at Owner's discretion and subject to verification that relevant nesting bird species are not present in the area.~~ For ground disturbing activities occurring from February 1 through August 31 between Stations 0+00 and 502+00, a qualified wildlife biologist will conduct preconstruction surveys of all potential nesting habitat for birds within 500 feet of earthmoving activities. If active bird nests are found during preconstruction surveys, a 500-foot no-disturbance buffer will be created around active raptor nests during the breeding season or until it is determined that all young have fledged. A 250-foot buffer zone will be created around the nests of other special-status birds. Contractor may begin work in the area sooner, at Owner's discretion and subject to verification that nests are inactive or potential habitat is unoccupied during construction period. Any claims or Contract Modifications that arise from time delays incurred under provisions of this article will be processed in accordance with Sections 01250 (Modification Procedures) and 1320(Progress Schedules and Reports).
    3. ~~Breeding birds—Segment 2: Work is prohibited from February 1 through September 14 between Stations 502+00 and 542+00, due to breeding season for Least Terns, Clapper Rails, Black Rails, and Western Snowy Plover, all threatened or endangered marsh birds.~~
    - ~~4. Vegetation removal: When feasible, remove vegetation during the non-breeding season September 1 to January 31.~~
    - ~~5~~4. Grape harvest: Work is prohibited from September 1 through October 31 between Stations 335+00 and 401+40 and between Stations 414+00 and 434+00. Also expect increased traffic on public roads in this area during grape harvest.
    - ~~6~~5. ~~Waterfowl pre-season activities~~ Access for Duck Club Members and DFG Staff: Work is subject to restrictions from September 1 through ~~the beginning of waterfowl season~~ October 18 between Stations ~~500+00~~ 501+65 and ~~541~~ 542+00.

When feasible, maintain access along alignment suitable for passage of two-wheel-drive passenger automobiles. Maintain access to Giovannoni Duck Club which is located approximately 4,000 feet south of Station 541+00. If/When road closures are unavoidable, then permission may be granted may be granted by Owner at Owners discretion to conduct such work as would result in road closure, provided that Owner 7 days notification is given, and a shuttle is provided to transport club members from the DFG parking lot to the club dock and then maintain access along alignment suitable for passage of work utility vehicles. Upon request, transport Giovannoni Duck Club members from the DFG parking lot to the dock which is located approximately 4,000 feet south of Station 541+00 up to 2 round trips per day.

76. Waterfowl hunting: Work is prohibited on Wednesday, Saturday, and Sunday from the third Saturday in October extending for 100 days October 10 through January 27 between Stations 500+00~~14~~ and 541~~542~~+00 ~~on Wednesday, Saturday, or Sunday during waterfowl season~~. Maintain access along alignment suitable for passage of two-wheel-drive passenger automobiles on Monday, Tuesday, Thursday, and Friday during waterfowl hunting season. Expect increased traffic on public roads in this area during waterfowl hunting season.
8. Modify Paragraph 1.8 as follows:
- A. Work Days and hours for Segment 1: Monday-Friday inclusive, 7:00 a.m.-5:30 p.m. local time.
  - B. Work Days and hours for Segment 2: Monday-Saturday inclusive, 7:00 a.m.-7:00 p.m. local time.
  - ~~B~~C. Work at the Site on weekends, holidays, or at night is not permitted, unless Contractor requests otherwise from Owner in writing at least 48 hours in advance and Owner approves in its sole discretion.
  - ~~C~~D. Contractor will not be permitted to schedule utility shutdowns on Fridays or Saturdays.
9. Modify Paragraph 1.16 A.7. as follows:
7. Sonoma-Marin Area Rail Transit District (SMART ) Right-of-Entry Permit. A copy of Owner's permit is included at the end of this Section 01100. SMART contact numbers: for permitting, Olivia Ius at 707.794.3075; for access control, John Kerruish at 707.794.3063.
- B. Segment 1, Section 02221 (Trenching, Backfilling and Compaction):
1. Modify Paragraph 3.02 B. as follows:
    - B. ~~It is expressly understood that no excavated material shall be removed from the site of the work or disposed of, except as directed by the OWNER. When removal of surplus materials has been approved by the OWNER, dispose of such surplus material in approved designated areas~~Remove and dispose of unsuitable or excess materials to a site provided by Contractor. See Section 01740 (Cleaning) for additional soil disposal requirements.
- C. Segment 1, Section 02640 (Valves and Appurtenances):
1. Modify Paragraph 2.04 B.3 as follows:
    3. Furnish valves and accessories as manufactured by one of the following:
      - a. ~~Henry Pratt Company~~ M&H Valve Co.
      - b. ~~DeZurik Corporation~~ Mueller Co.
      - c. Or a ~~Approved e~~-Equal

2. Modify Paragraph 2.07 C.1. as follows:
    1. Valves shall be manufactured by Vent-O-Mat RBX 2531. No substitutions.
  3. Modify Paragraph 2.07 D.1. as follows:
    1. Valves shall be APCO S-1500C with S-200A, Cla Val Series 38 VR/AR, or Approved Equal.
- D. Segment 1, Section 15101 (Valve Actuators):
1. Modify the first sentence of Paragraph 2.02 A.3. as follows:  
480 Volt powered actuators shall be EIM TEK 2000. ~~n~~No equal substitutions.
- E. Segment 2, Section 02320 (Trenching, Backfilling, and Compacting for Utilities):
1. Modify Paragraph 3.4 E. as follows:  
E. After the pipe and pipe joint are properly positioned in the trench, bed the length of pipe between the joints to ~~at least one foot above the top~~spring line of the pipe. Exercise care during the initial bedding to prevent movement of the pipe and to prevent any bedding material from being deposited on the joints.
- F. Segment 2, Section 05500 (Miscellaneous Metalwork):
1. Modify Article 2.03, Antenna Mast, Paragraphs A, B, and C as follows:
    - A. Mast for antenna shall be galvanized steel, ~~telescoping with guy wires, designed to hold the specified antenna.~~
    - B. ~~Guy wires shall be 6 strand/18 GA wire~~ The mast shall be self supporting.
    - C. Mast shall be Rohn Products LLC or a ~~Approved~~ Equal.
  2. Modify Article 2.07, Dissimilar Metals, as follows:
    - ~~A. Where dissimilar metals are in contact, protect surfaces with a coat conforming to~~
    - ~~B. MPI 79 to prevent galvanic or corrosive action. Where aluminum is in contact with concrete, plaster, mortar, masonry, wood, or absorptive materials subject to wetting, protect with~~
    - ~~C. ASTM D 1187, asphalt base emulsion.~~
    - A. Where dissimilar metals are in contact, protect surfaces with MPI 79 to prevent galvanic or corrosive action. Where aluminum is in contact with concrete, plaster, mortar, masonry, wood, or absorptive materials subject to wetting, protect with ASTM D 1187, asphalt-base emulsion.
- G. Segment 2, Section 16130 (Raceway and Boxes):
1. Modify Paragraph 2.01 I as follows:
    - I. SERVICE EQUIPMENT ENCLOSURES/CABINETS
  2. Modify Paragraph 2.01 J as follows:
    - J. TELEMETRY PANEL ENCLOSURES/CABINETS

## VII. Changes to Drawings

### Segment 1:

#### A. Drawing No. G-004:

1. Add General Note 22 as follows:  
22. Subject to Owner's approval, pipeline alignment from Station 338+49 to 401+45 may be moved 2.5 feet (maximum) horizontally from the indicated centerline, at no additional cost to Owner. Submit any such request in accordance with Contract Modification Procedures in Section 01250 (Modification Procedures)

B. Drawing No. C-002:

1. Add Note 2 as follows:
  2. Owner will dewater existing pipe upon 14 Days advanced request by Contractor. Complete Work within 21 Days of request for dewatering and before July 1.

Segment 2:

C. Delete Drawing No. G-3 and replace with Drawing No. G-3 attached and marked "11/27/12 Addendum 2"

D. Drawing No. G-4:

1. Modify General Note 5 as follows:
  5. ~~NO CONSTRUCTION SHALL OCCUR FROM SEPTEMBER 1 TO JANUARY 31 TO ACCOMMODATE DOVE AND WATER FOWL HUNTING SEASON~~ BASE FLOOD ELEVATION = 100 YR FLOOD ELEVATION.
2. Add General Note 7 as follows:
  7. Subject to Owner's approval, pipeline alignment from station 500+68 to 540+75 may be moved 5 feet (maximum) horizontally toward the east from the indicated centerline, at no additional cost to Owner. Submit any such request in accordance with Contract Modification Procedures in Section 01250 (Modification Procedures).

E. Delete Drawing No. C-1 and replace with Drawing No. C-1 attached and marked "11/26/12 Addendum 2"

F. Delete Drawing No. C-2 and replace with Drawing No. C-2 attached and marked "11/26/12 Addendum 2"

G. Delete Drawing No. C-3 and replace with Drawing No. C-3 attached and marked "11/26/12 Addendum 2"

H. Delete Drawing No. C-4 and replace with Drawing No. C-4 attached and marked "11/26/12 Addendum 2"

I. Delete Drawing No. C-5 and replace with Drawing No. C-5 attached and marked "11/26/12 Addendum 2"

J. Delete Drawing No. M-1 and replace with Drawing No. M-1 attached and marked "11/27/12 Addendum 2"

K. Drawing No. M-2:

1. Modify label on Flow Meter Vault Detail (3) as follows:  
PVC CONDUITS (2 TYP) TO ELEC PANEL
2. Modify the first and second row of Valve and Vault Schedule as follows:

PUMP OUT	523+ <del>68.86</del> - <u>67.86</u> 536+26.16	2	2" BALL VALVE	2' X 3' VAULT
CAV	500+23.62 523+ <del>97.96</del> - <u>75+95</u> 536+ <del>56.40</del> - <u>48.55</u>	3	3" CAV	NONE (ABOVE GRADE BOX)

3. Delete last row of Valve and Vault Schedule as follows:

ELEC PB	502+00 TO 541+00 (400FT INTERVAL AND AT EACH END)	11	N/A	13"X24" ELEC PB
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## L. Drawing No. E-1:

1. Modify call-out (on upper left of drawing) as follows:

(N) 100A, 120/240V SINGLE PHASE ELEC METER SOCKET AND BREAKER PANEL  
(~~TO BE PROVIDED BY OWNER~~)

## M. Drawing No. E-2:

1. Modify call-out on Electrical Cabinet Detail (1) as follows:

POWER SUPPLIES, CIRCUIT BREAKERS, AS NEEDED ON PINDIN RAIL

2. Insert the following as Note 3. Renumber remaining note as Note 4.

3. CONDUITS TO BFV SHALL INCLUDE POWER (2#10, #10, GND), CONTROL  
(10#12, #12, GND) AND SIGNAL (1TSP#16).

**VIII. Question(s)/Answer(s)**

Owner's responses to Bidder questions shall be for the purposes of interpretation and clarification of the Contract Documents only, and shall not be construed as changing, superseding, or contradicting any express term in the Contract Documents. If any Bidder believes that a response to a question warrants a change in any term in the Contract Documents, the Bidder shall so request the change be made in writing addressed to Owner and received no later than the latest date for submitting Bidder questions. In the absence of a change in any term of the Contract Documents, the express terms of the Contract Documents shall have precedence. Bidder questions are listed below verbatim.

## A. Ghilotti Construction Company:

1. Are the fees for the following permits considered reimbursable by SCWA;  
Sonoma County Encroachment (PRMD)  
Napa County Encroachment

Owner's response: Answered in this Addendum above.

2. Spec section 01100; Summary of work; 1.7 work sequence define the constraints for construction dates. Segment #2; will not allow any work from February 1 through September 14 due to breeding bird habitat. This work is located in the wet lands; please clarify if it is the Agencies intent to construct this work during inclement weather from September 15 through January 31. Can this requirement be lifted so this work can be constructed during the dry months?

Owner's response: Bid per Bid Documents. Also clarified in this Addendum above.

3. Spec Section 02221 3.02B Disposal of excavated materials; Please provide the designated area of disposal and clarify if there are any special requirements for grading.

Owner's response: Answered in this Addendum above.

4. Spec Section 02445 Work within Railroad Property; 1.02H Please clarify if the rail authority will require rail flagmen during construction of the Bore & Jack. If this is a requirement please provide a contact name and number so all bidders can inquire for the actual fees.

Owner's response: Answered in this Addendum above.

5. Spec Section 02901 Work/Clean Up; 3.09 Protection and Bracing of Utility Poles; Please provide a Utility contact name and number so all bidders can inquire the costs to

support the pole poles as necessary during trench excavation. Clarify if the Agency has a subsidiary agreement with the Utility Companies.

Owner's response: Bid per Bid Documents.

6. Segment #2 (Huichica Unit); Please clarify if Fish and Game can drain the channels and water areas adjacent to our improvements until construction has passed these areas?

Owner's response: This is not under Owner's control. Bid per Bid Documents.

7. Segment #2; Spec section 02320; Trench/Backfill/Compaction; 3.4E states to bed pipe zone 12" over top of pipe. The trench detail on plan sheet C-6 indicates the bedding to spring line before beginning backfill. Please clarify the actual requirement.

Owner's response: Answered in this Addendum above.

8. Segment #2; Spec Section 15005; Fusible PVC; please clarify if it is the intent of the Agency to use only fusible C905 through this area. The plan and profile indicate fused restrained joints between stations 500+13 – 501+42 but there is no other call out on the plan stating this call out. Can standard PVC C905 be used on the balance of this area?

Owner's response: This question will be answered in a subsequent Addendum.

9. Plan Sheet C-002 Ramal Road Bridge Crossing. Please clarify if the Agency will shutdown and drain the existing RW main before we construct the cut in connections. If the contractor is required to drain the existing main please provide the quantity in gallons we will encounter once we cut the pipeline. Where can we dispose of this recycled water?

Owner's response: Answered in this Addendum above.

10. Please clarify the size of the Combination Air Valve per detail C/CD-003).

Owner's response: This is in the Bidding Documents.

11. Segment #2 profile notes; Please define the Base Flood Elevation 9.0' note above the pipeline profiles.

Owner's response: Answered in this Addendum above.

12. Bid items #12 -13 appear to be switched. The restrained joint quantity should read 3,766 lf. The unrestrained should read 9,924 lf. Please confirm.

Owner's response: Answered in this Addendum above.

13. Please clarify if the pipeline along Segment 1 from station 293+63 – 333+25 can be shift north 1'-2' to allow better equipment access during trenching.

Owner's response: Bid per Bid Documents.

B. JMB Construction Inc.:

1. Will the district make the geotechnical report available online for reference?

Owner's response: This question will be answered in a subsequent Addendum.

2. Section 02450 – Work in Railroad Property states that “all work and/or services performed by the railroad shall be paid for by the contractor”. Does the district have any knowledge of what the costs may be? Would the district consider creating an allowance bid item to cover the costs in this item as it is an unknown?

Owner’s response: Bid per Bid Documents. Addressed in this Addendum above.

END OF DOCUMENT

\*\*\* REVISED 11/29/12 \*\*\*

DOCUMENT 00400

**BID FORM**

To be submitted as part of Envelope "A" by the time and date specified in Document 00200 (Instructions to Bidders), paragraph 1.

TO THE HONORABLE BOARD OF DIRECTORS OF THE SONOMA VALLEY COUNTY SANITATION DISTRICT

THIS BID IS SUBMITTED BY:

\_\_\_\_\_  
(Firm/Company Name)

Re: CONTRACT NUMBER 71-712-7 #1, North Bay Water Reuse Program, Sonoma Valley County Sanitation District, Napa Salt Marsh Restoration Pipeline (Carneros Reservoir to Huichica Unit)

- 1. The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an agreement with the Sonoma Valley County Sanitation District, a local district of the State of California ("Owner") in the form included in the Contract Documents, Document 00520 (Agreement), to perform and furnish all Work as specified or indicated in the Contract Documents for the Contract Sum and within the Contract Time indicated in this Bid and in accordance with all other terms and conditions of the Contract Documents.
- 2. Bidder accepts all of the terms and conditions of the Contract Documents, Document 00100 (Advertisement for Bids), and Document 00200 (Instructions to Bidders), including, without limitation, those dealing with the disposition of Bid Security. This Bid will remain subject to acceptance for 90 Days after the day of Bid opening.
- 3. In submitting this Bid, Bidder represents:
  - (a) Bidder has examined all of the Contract Documents and all of the Addenda (receipt of all of which is hereby acknowledged). The Addenda are listed below.

Addendum Number	Addendum Date	Signature of Bidder

- (b) Bidder has visited the Site and performed all tasks, research, investigation, reviews, examinations, and analysis and given notices, regarding the Project and the Site, as set forth in Document 00520 (Agreement), Article 5.

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- (c) Bidder names the supplier of the following items, to be furnished under the Contract Documents:

	SECTION NUMBER	ITEM	SUPPLIER
1.	02640	Plug Valves	
2.	02640, 15112	Butterfly Valves	
3.	15103	Pressure Sustaining Valves	
4.	02622	PVC Pipe	

- (d) Indicate method of PVC pipe restraint: [check one]  fusion or  bell harness
- (e) Bidder has given Owner prompt written notice of all conflicts, errors, ambiguities, or discrepancies that it has discovered in or among the Contract Documents and as-built drawings and actual conditions and the written resolution thereof through Addenda issued by Owner is acceptable to Contractor.
- (f) Bidder represents and agrees that in submitting its Bid, it is not relying on any information regarding the DBE Solicitation List supplied by Owner.

4. Based on the foregoing, Bidder proposes and agrees to fully perform the Work within the time stated and in strict accordance with the Contract Documents for the following sums of money listed in the following Schedule of Bid Prices:

SCHEDULE OF BID PRICES

All Bid items, including lump sums and unit prices, must be filled in completely. Bid items are described in Section 01100 (Summary of Work). Quote in figures only, unless words are specifically requested.

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
1.	Bonds	XXXXXX	Lump Sum	XXXXX	\$
2.	Insurance	XXXXXX	Lump Sum	XXXXX	\$
3.	Safety Program and Implementation	XXXXXX	Lump Sum	XXXXX	\$
4.	Construction Material Waste Management Plan and Implementation	XXXXXX	Lump Sum	XXXXX	\$
5.	Installation, Operation, and Maintenance Manuals	XXXXXX	Lump Sum	XXXXX	\$

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ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
6.	Storm Water Pollution Prevention Plan and Implementation	XXXXXX	Lump Sum	XXXXX	\$
7.	Mobilization/ Demobilization	XXXXXX	Lump Sum	XXXXX	\$
8.	Shoring and Bracing	XXXXXX	Lump Sum	XXXXX	\$
9.	Traffic Control	XXXXXX	Lump Sum	XXXXX	\$
10.	Excavation Below Design Trench Subgrade	100	Cubic Yard	\$	\$
11.	All Other Work	XXXXXX	Lump Sum	XXXXX	\$
Segment 1 (All Work from Sta 0+00 to Sta 434+03.85, including BP-P1 Interconnection Improvements):					
12.	18" Unrestrained Pipe	9,924	Linear Foot	\$	\$
13.	18" Restrained Pipe	3,766	Linear Foot	\$	\$
14.	Combination Air Valve	7	Each	\$	\$
15.	Blowoff	11	Each	\$	\$
16.	4" Turnout	3	Each	\$	\$
17.	8" Turnout	5	Each	\$	\$
18.	18" Butterfly Valve	4	Each	\$	\$
19.	Cathodic Protection System	XXXXXX	Lump Sum	XXXXX	\$
20.	Horizontal Directional Drill installation of pipe at Huichica Creek Crossing	XXXXXX	Lump Sum	XXXXX	\$
21.	Horizontal Directional Drill installation of pipe at Ramal Road Bridge Crossing	XXXXXX	Lump Sum	XXXXX	\$
22.	Bore and Jack installation at SMART railroad crossing	120	Linear Foot	\$	\$
23.	BP-P1 Interconnection Improvements	XXXXXX	Lump Sum	XXXXX	\$
24.	2" Asphalt Concrete Overlay	2,945	Square Yard	\$	\$

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ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
25.	Slurry Seal	1,372	Square Yard	\$	\$
Segment 2 (All Work from Sta 500+13.65 to Outlet at the Mixing Chamber):					
26.	18" Unrestrained Pipe	2,577	Linear Foot	\$	\$
27.	18" Restrained Pipe	1,579	Linear Foot	\$	\$
28.	18" Butterfly Valve with Motor Operator	1	Each	\$	\$
29.	Flow Meter	1	Each	\$	\$
30.	Pressure Sustaining Valve	1	Each	\$	\$
31.	Pump-Out Assembly	2	Each	\$	\$
32.	18" Duck Bill Check Valve	1	Each	\$	\$
33.	Combination Air Valve	3	Each	\$	\$
34.	18" Butterfly Valve	1	Each	\$	\$
35.	Revegetation along levee (Hydroseed)	XXXXXX	Lump Sum	XXXXX	\$
36.	Electrical Work	XXXXXX	Lump Sum	XXXXX	\$
<b>TOTAL BID PRICE</b>					\$
	Contingency Reserve	XXXXXX	XXXXXX	XXXXX	\$35,000.00
<b>TOTAL</b>					\$

Total: \_\_\_\_\_  
(Words)

5. Subcontractors for work included in all Bid items are listed on the attached Document 00430 (Subcontractors List).
6. The undersigned Bidder understands that Owner reserves the right to reject this Bid.
7. If written notice of the acceptance of this Bid, hereinafter referred to as Notice of Award, is mailed or delivered to the undersigned Bidder within the time described in paragraph 2 of this Document 00400 or at any other time thereafter unless the Notice of Award is withdrawn, the undersigned Bidder will execute and deliver the documents required by Document 00200 (Instructions to Bidders) within the times specified therein. These documents include, but are not limited to, Document 00520 (Agreement), Document 00611 (Construction Performance Bond), and Document 00612 (Construction Labor and Material Payment Bond).
8. Notice of Award or request for additional information may be addressed to the undersigned Bidder at the address set forth below.

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- 9. The undersigned Bidder herewith encloses cash, a cashier’s check, or certified check of or on a responsible bank in the United States, or a corporate surety bond furnished by a surety authorized to do a surety business in the State of California, in form specified in Document 00200 (Instructions to Bidders), in the amount of ten percent (10%) of the Total Bid Price and made payable to “Sonoma Valley County Sanitation District.”
- 10. The undersigned Bidder agrees to commence Work under the Contract Documents on the date established in Document 00700 (General Conditions) and to complete all work within the time specified in Document 00520 (Agreement). The undersigned Bidder acknowledges that Owner has reserved the right to delay or modify the commencement date. The undersigned Bidder further acknowledges Owner has reserved the right to perform independent work at the Site, the extent of such work may not be determined until after the opening of the Bids, and that the undersigned Bidder will be required to cooperate with such other work in accordance with the requirements of the Contract Documents.
- 11. The undersigned Bidder agrees that, in accordance with Document 00700 (General Conditions), liquidated damages for failure to complete all Work in the Contract within the time specified in Document 00520 (Agreement) shall be as set forth in Document 00520 (Agreement).
- 12. The names of all persons interested in the foregoing Bid as principals are:

(IMPORTANT NOTICE: If Bidder or other interested person is a corporation, give the legal name of corporation, state where incorporated, and names of president and secretary thereof; if a partnership, give name of the firm and names of all individual co-partners composing the firm; if Bidder or other interested person is an individual, give first and last names in full).

**NAME OF BIDDER:** \_\_\_\_\_  
 licensed in accordance with an act for the registration of Contractors, and with  
 license number: \_\_\_\_\_ Expiration: \_\_\_\_\_.

\_\_\_\_\_  
 Where incorporated, if applicable

\_\_\_\_\_  
 Principals

I certify (or declare) under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

\_\_\_\_\_  
 Signature of Bidder

\_\_\_\_\_  
 Date of Execution

\_\_\_\_\_  
 Place of Execution

\*\*\* REVISED 11/29/12 \*\*\*

NOTE: If Bidder is a corporation, set forth the legal name of the corporation together with the signature of the officer or officers authorized to sign contracts on behalf of the corporation. If Bidder is a partnership, set forth the name of the firm together with the signature of the partner or partners authorized to sign contracts on behalf of the partnership.

Business Address:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Contractor's Representative(s), (name, title):

\_\_\_\_\_  
\_\_\_\_\_

Officers authorized to sign contracts:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
Signature of Officer

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date of Execution

\_\_\_\_\_  
Place of Execution

Telephone Number(s):

\_\_\_\_\_

Fax Number(s):

\_\_\_\_\_

Email address(es):

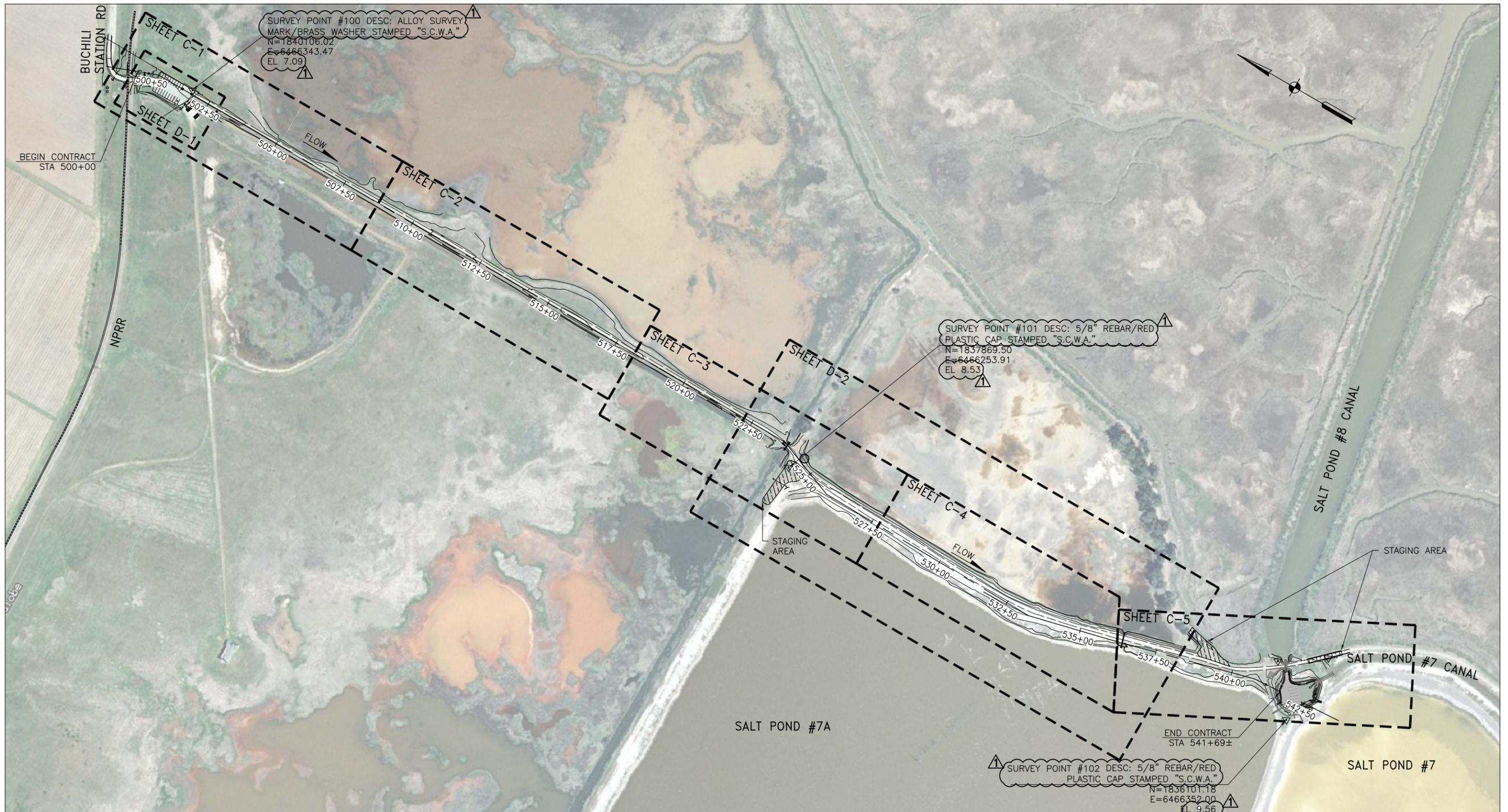
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Date of Bid:

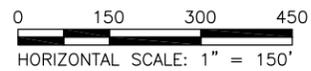
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END OF DOCUMENT

Nov 28, 2012 - 6:05pm T:\NAPA\_Salt\_Marsh\Sheet\C-003.dwg



KEY MAP  
SCALE: 1"=150'



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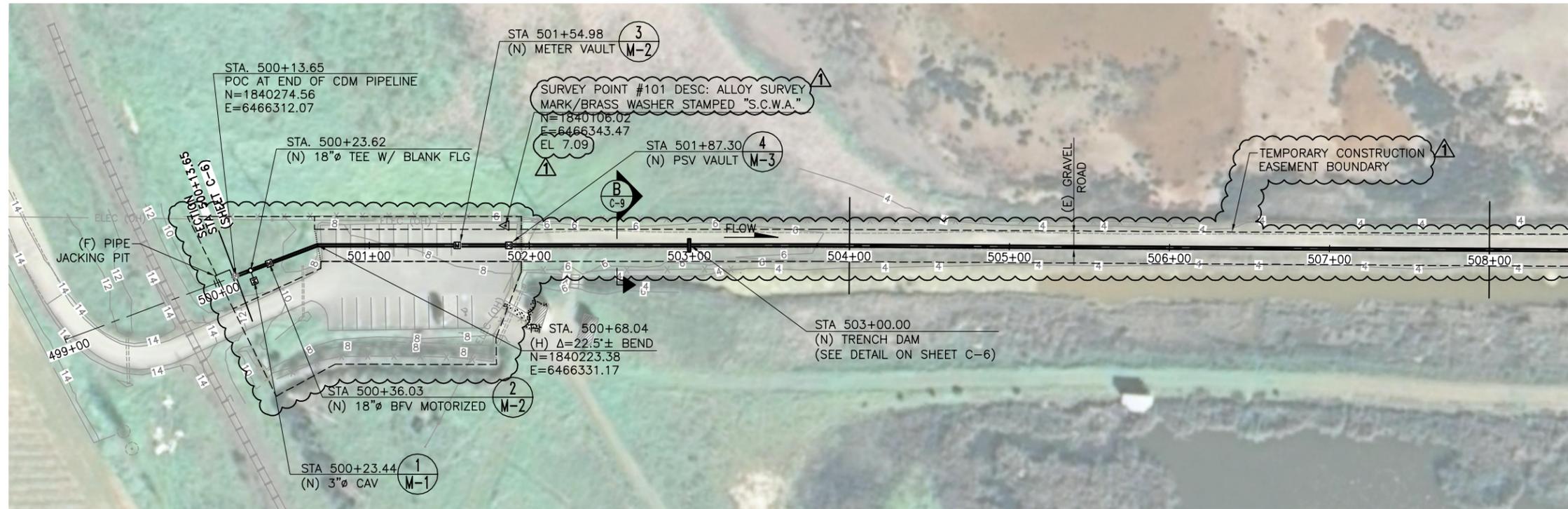
NO.	DATE	REVISION	BY
1	11/27/12	ADDENDUM 2	CS
0	11/02/12	ISSUED FOR BID	CS

**SONOMA VALLEY COUNTY  
SANITATION DISTRICT**

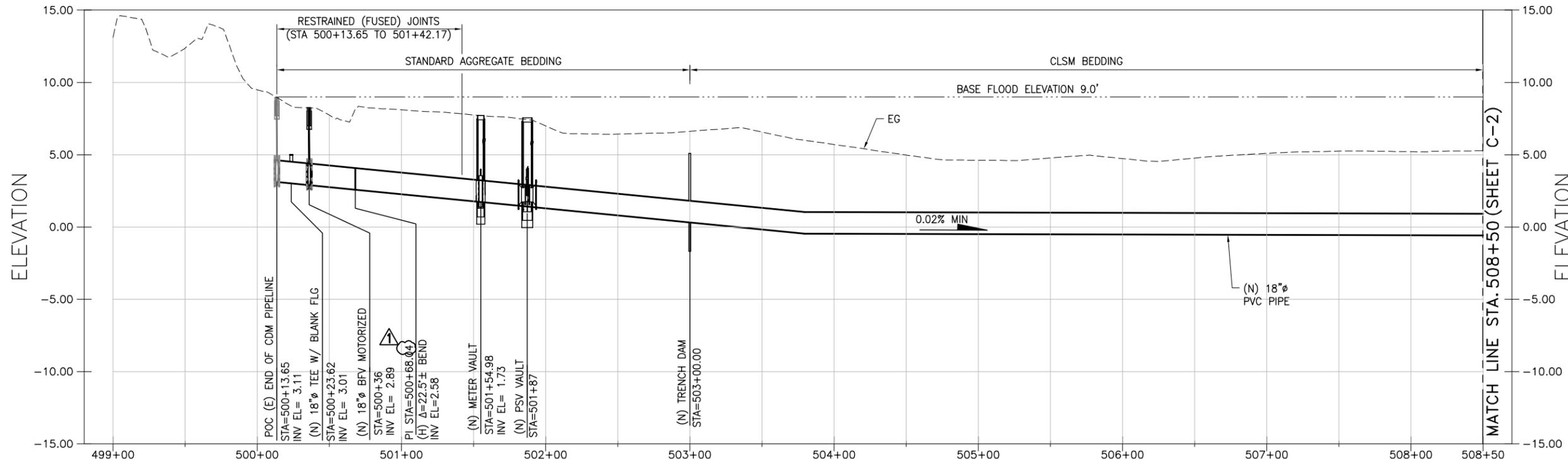
SCALE: 1"=150'	DATE: 11/07/2012
DRAWN: M. MONTES	
REVIEWED: J. HYMAN	

NAPA SALT MARSH RESTORATION PIPELINE GENERAL - KEY MAP	
FILE NAME: G-003.dwg	DRAWING NUMBER: G-3
CONTRACT NUMBER: -	SHEET 3 OF 19

Nov 27, 2012 - 2:48pm T:\NAPA Salt Marsh\Sheet\C-001.dwg



**PLAN**  
SCALE: 1"=40'



**PROFILE**  
SCALE: H:1"=40', V:1"=4'

**NOTES:**

1. PROVIDE MINIMUM 4' COVER FOR PIPELINE. ADD UP TO 6" OF SPOILS IF (E) COVER IS LESS THAN 4'.
2. INSTALL PIPE TO SLOPE A MINIMUM OF 0.02% TOWARDS CULVERT #1.
3. CONTRACTOR MAY AVOID THE USE OF SMALL DIAMETER ELBOWS BY BENDING THE PIPE ABOVE THE SUPPLIER'S MINIMUM ALLOWABLE BENDING RADIUS.

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0	11/02/12	ISSUED FOR BID	CS

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SANITATION DISTRICT**

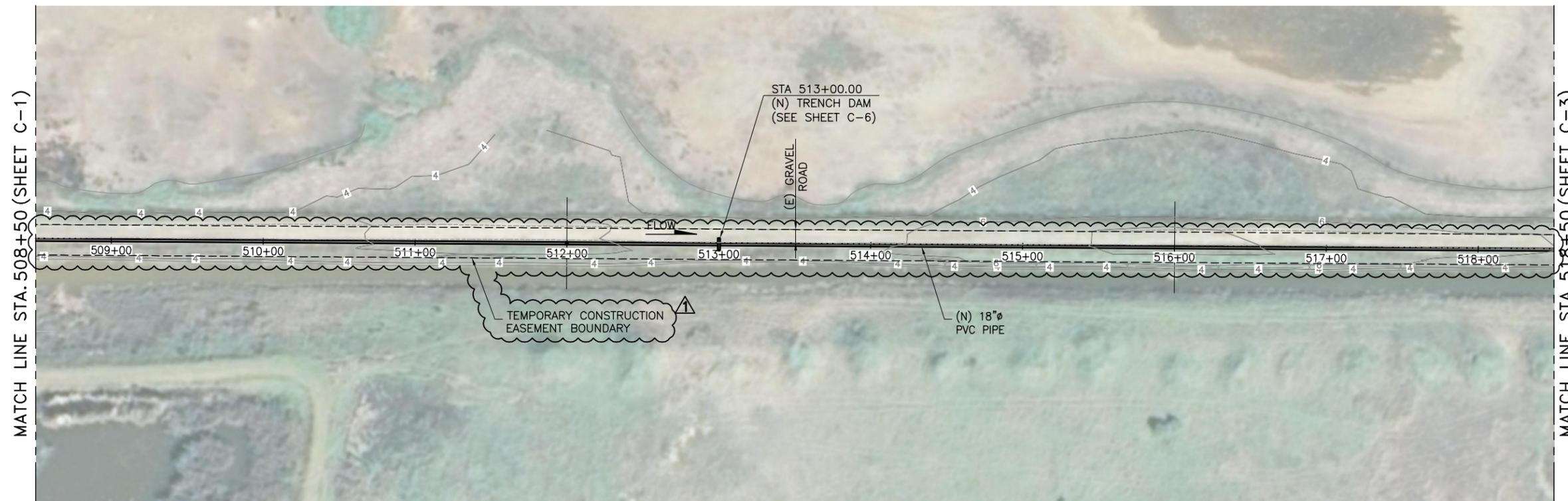
SCALE: AS SHOWN	DATE: 11/07/2012
DRAWN: M. MONTES	
REVIEWED: J. HYMAN	

NAPA SALT MARSH RESTORATION PIPELINE  
**PLAN AND PROFILE (STA 500+00 TO 508+50)**

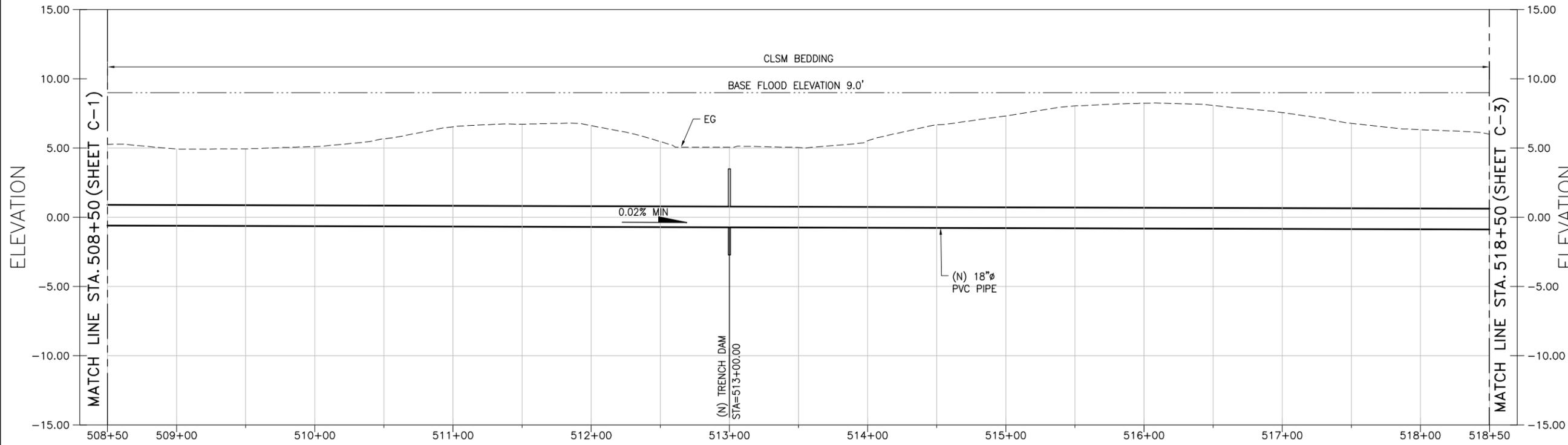
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CONTRACT NUMBER: -

DRAWING NUMBER: **C-1** SHEET 5 OF 19

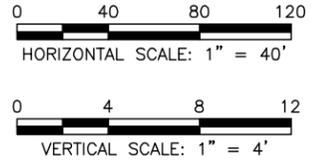
Nov 27, 2012 - 2:49pm T:\NAPA Salt Marsh\Sheet\C-002.dwg



**PLAN**  
SCALE: 1"=40'



**PROFILE**  
SCALE: H:1"=40', V:1"=4'



**NOTES:**

1. PROVIDE MINIMUM 4' COVER FOR PIPELINE. ADD UP TO 6" OF SPOILS IF (E) COVER IS LESS THAN 4'.
2. INSTALL PIPE TO SLOPE A MINIMUM OF 0.02% TOWARDS CULVERT #1.

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NO.	DATE	REVISION	BY
1	11/26/12	ADDENDUM 2	CS
0	11/02/12	ISSUED FOR BID	CS

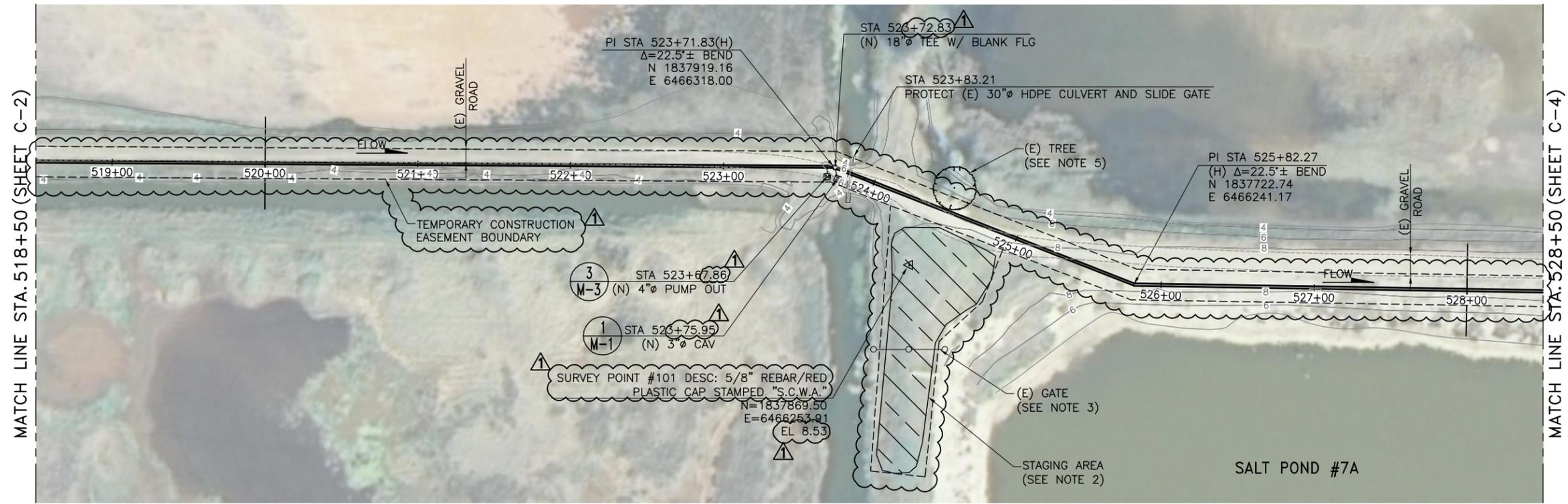
**SONOMA VALLEY COUNTY  
SANITATION DISTRICT**

SCALE: AS SHOWN	DATE: 11/07/2012
DRAWN: M. MONTES	
REVIEWED: J. HYMAN	

NAPA SALT MARSH RESTORATION PIPELINE  
**PLAN AND PROFILE (STA 508+50 TO 518+50)**

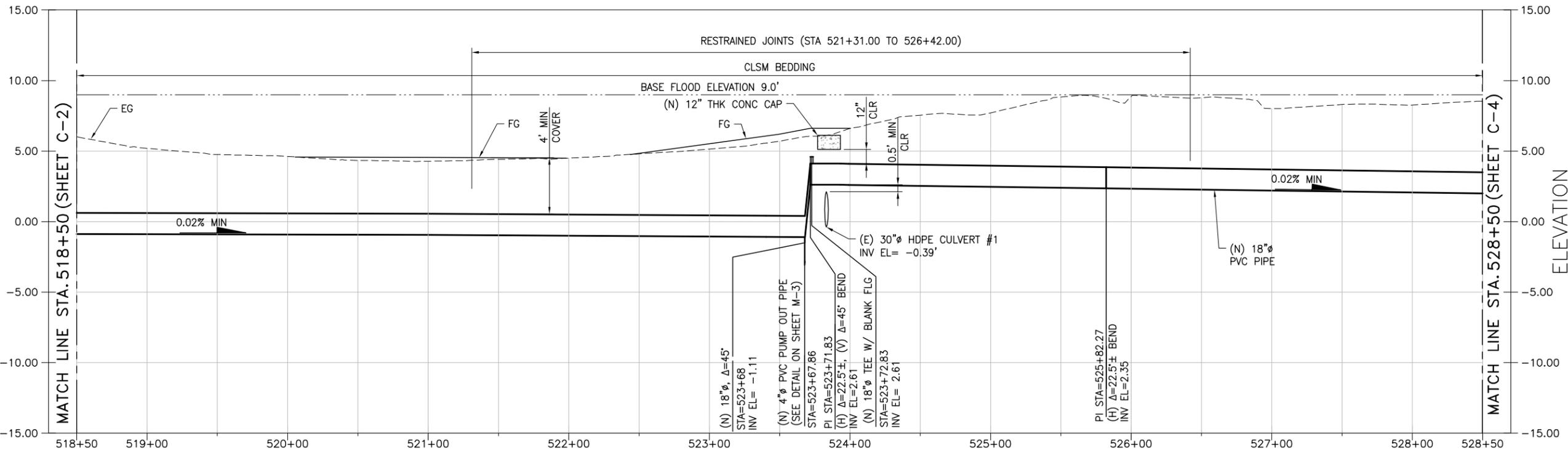
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CONTRACT NUMBER: -		

Nov 27, 2012 - 2:49pm T:\NAPA Salt Marsh\Sheet\C-003.dwg



PLAN

SCALE: 1"=40'

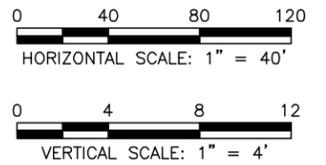


PROFILE

SCALE: H:1"=40', V:1"=4'

NOTES:

1. PROVIDE MINIMUM 4' COVER FOR PIPELINE. ADD UP TO 6" OF SPOILS IF (E) COVER IS LESS THAN 4'.
2. EXACT LOCATION HAS NOT BEEN SURVEYED. CONTRACTOR TO VERIFY AND CONFIRM LOCATION.
3. IF TREE ROOTS CROSS THE TRENCH ZONE, TRIM THEM CLEANLY.
4. SLOPE PIPE TO THE PUMP OUT. SLOPES SHALL BE 0.02% MINIMUM. INSTALL PUPM-OUT AT LOW-POINT IN PIPE.
5. PROVIDE 0.5' CLEARANCE BETWEEN (N) PIPE AND (E) CULVERT.



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SONOMA VALLEY COUNTY  
SANITATION DISTRICT

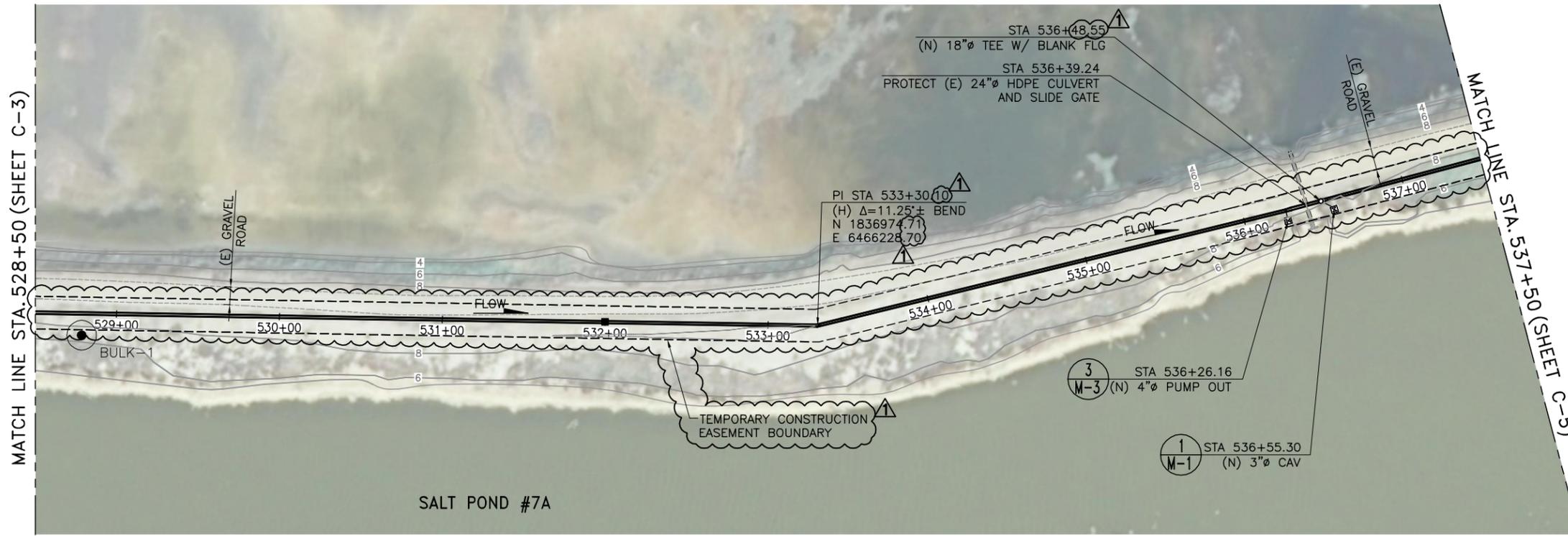
SCALE:	AS SHOWN	DATE:	11/07/2012
DRAWN:	M. MONTES		
REVIEWED:	J. HYMAN		

NAPA SALT MARSH RESTORATION PIPELINE  
PLAN AND PROFILE (STA 518+50 TO 528+50)

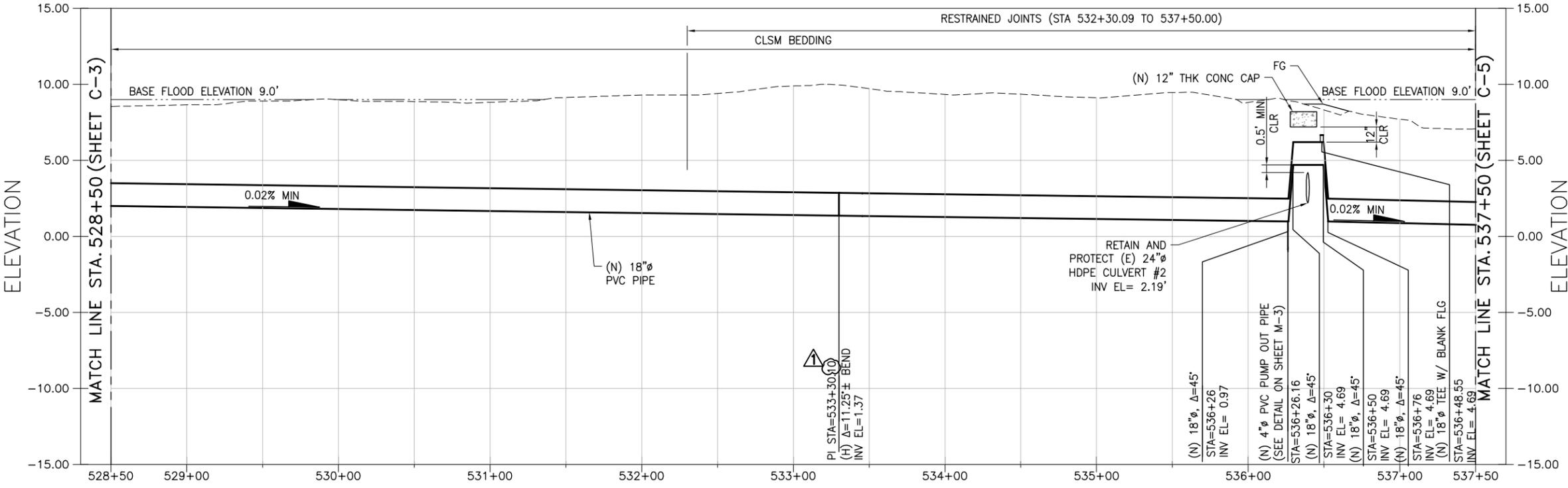
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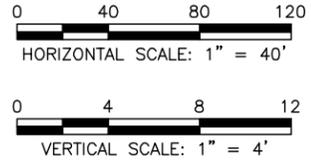
SHEET 7 OF 19



PLAN  
SCALE: 1"=40'



PROFILE  
SCALE: H:1"=40', V:1"=4'



- NOTES:**
1. PROVIDE MINIMUM 4' COVER FOR PIPELINE. ADD UP TO 6" OF SPOILS IF (E) COVER IS LESS THAN 4'
  2. FILL TO FINISH GRADE WITH NATIVE BEDDING MATERIAL.
  3. PROVIDE 0.5' CLEARANCE BETWEEN (N) PIPE AND (E) CULVERT.
  4. SLOPE PIPE TO THE PUMP OUT. SLOPES SHALL BE 0.02% MINIMUM. INSTALL PUMP-OUT AT LOW POINT IN PIPE.

Nov 27, 2012 - 2:50pm T:\NAPA\_Salt\_Marsh\Sheet\C-004.dwg mark\_montes

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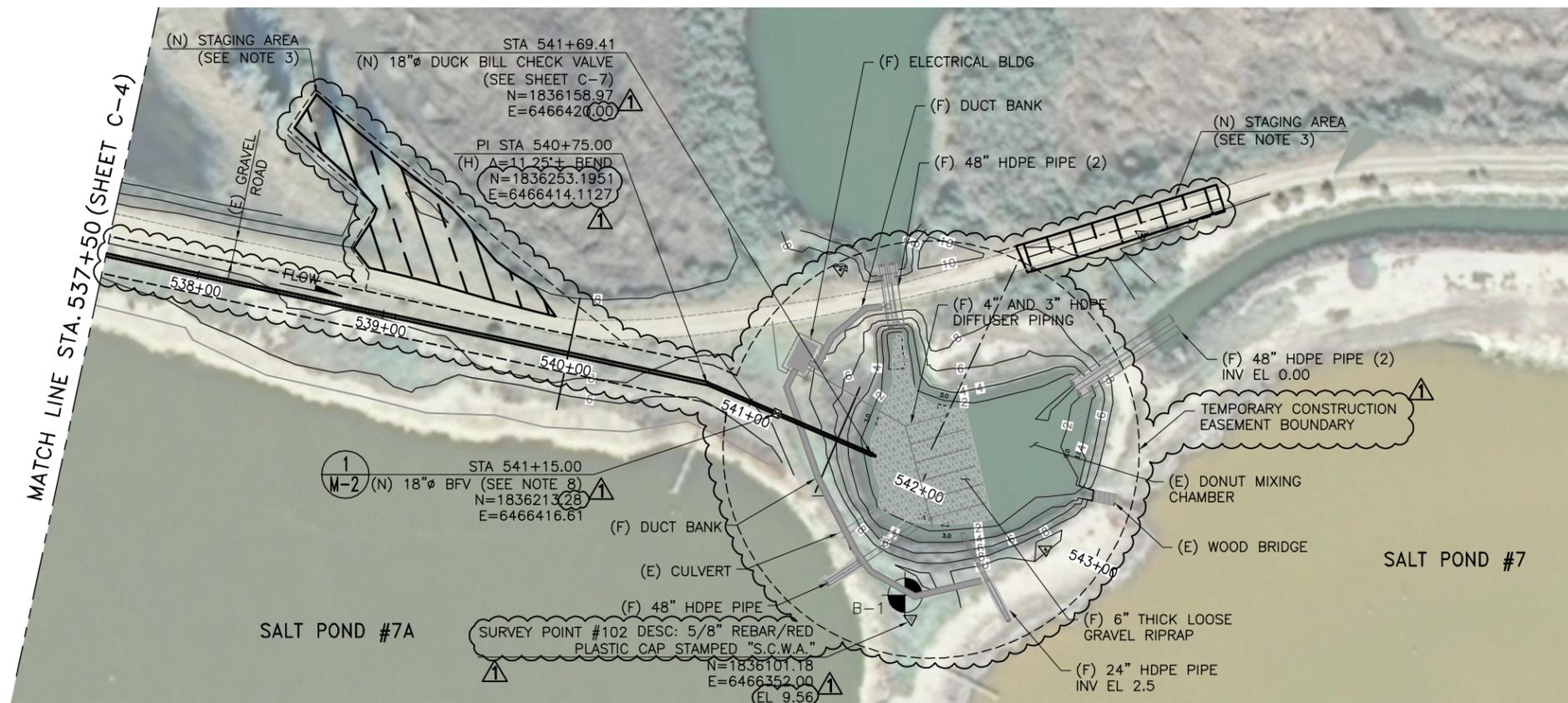
NO.	DATE	REVISION	BY
1	11/26/12	ADDENDUM 2	CS
0	11/02/12	ISSUED FOR BID	CS

**SONOMA VALLEY COUNTY  
SANITATION DISTRICT**

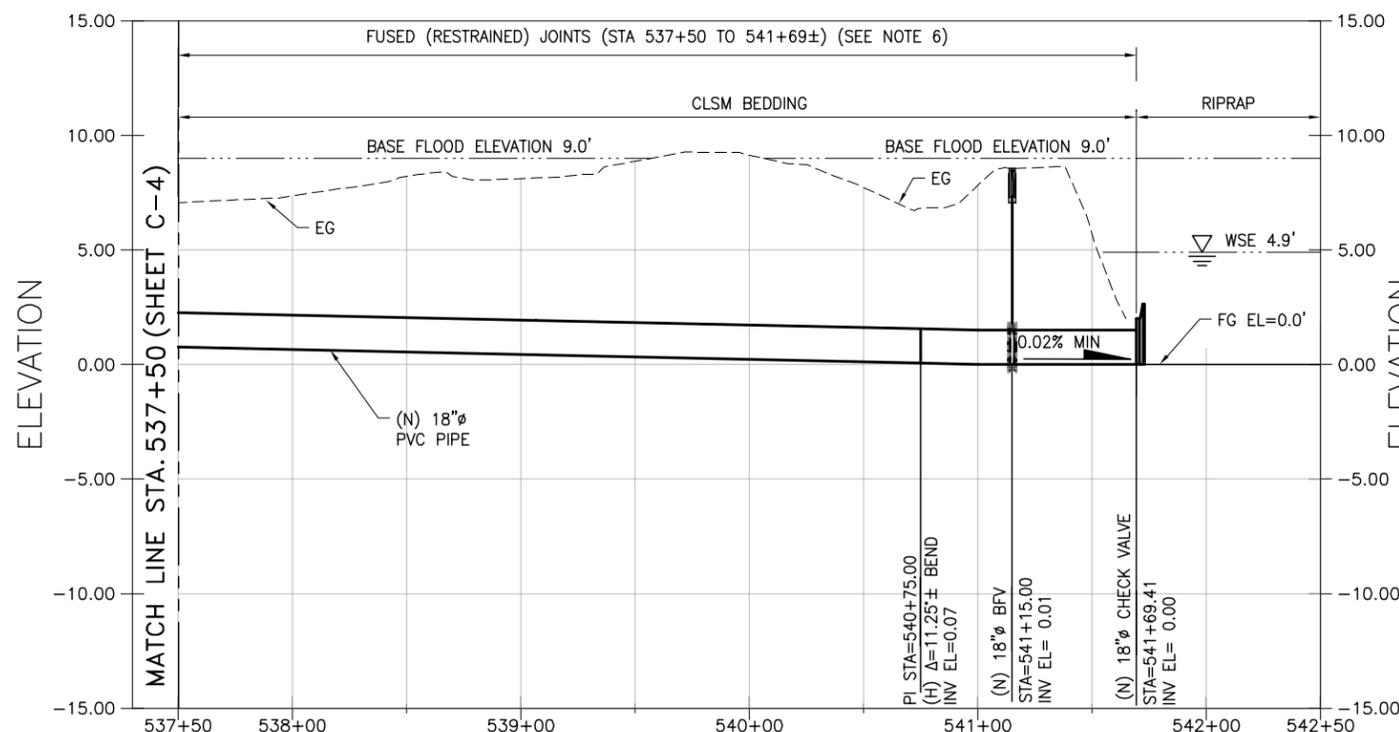
SCALE: AS SHOWN	DATE: 11/07/2012
DRAWN: M. MONTES	
REVIEWED: J. HYMAN	

NAPA SALT MARSH RESTORATION PIPELINE  
PLAN AND PROFILE (STA 528+50 TO 537+50)

FILE NAME: C-004.dwg	DRAWING NUMBER: C-4	SHEET 8 OF 19
CONTRACT NUMBER: -		



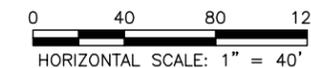
PLAN  
SCALE: 1"=40'



PROFILE  
SCALE: H:1"=40', V:1"=4'

**NOTES:**

1. ALL FUTURE (F) WORK IS NOT INCLUDED UNDER THIS CONTRACT.
2. PROVIDE MINIMUM 4' COVER FOR PIPELINE.
3. STAGING AREA ON ROAD MAY EXTEND SOUTH ON ROAD AS NECESSARY. CONTRACTOR SHALL MAINTAIN ACCESS ALONG THE GRAVEL ROAD THROUGHOUT THE DURATION OF CONSTRUCTION, TO THE EXTENT PRACTICAL.



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NO.	DATE	REVISION	BY
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**SONOMA VALLEY COUNTY  
SANITATION DISTRICT**

SCALE: AS SHOWN	DATE: 11/07/2012
DRAWN: M. MONTES	
REVIEWED: J. HYMAN	

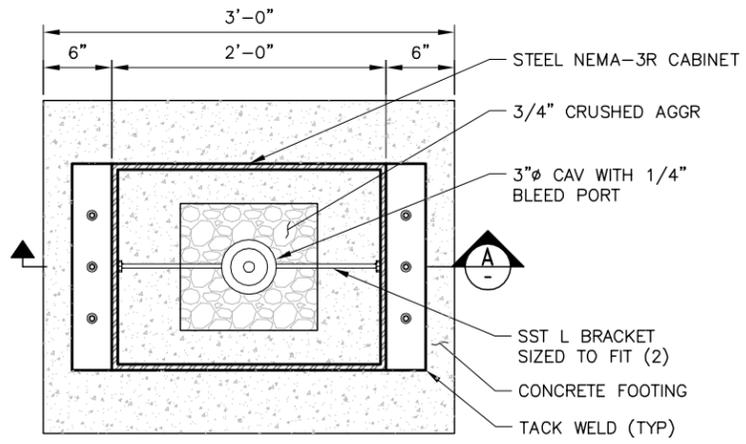
**NAPA SALT MARSH RESTORATION PIPELINE  
PLAN AND PROFILE (STA 537+50 TO 541+70)**

FILE NAME: C-005.dwg  
CONTRACT NUMBER: -

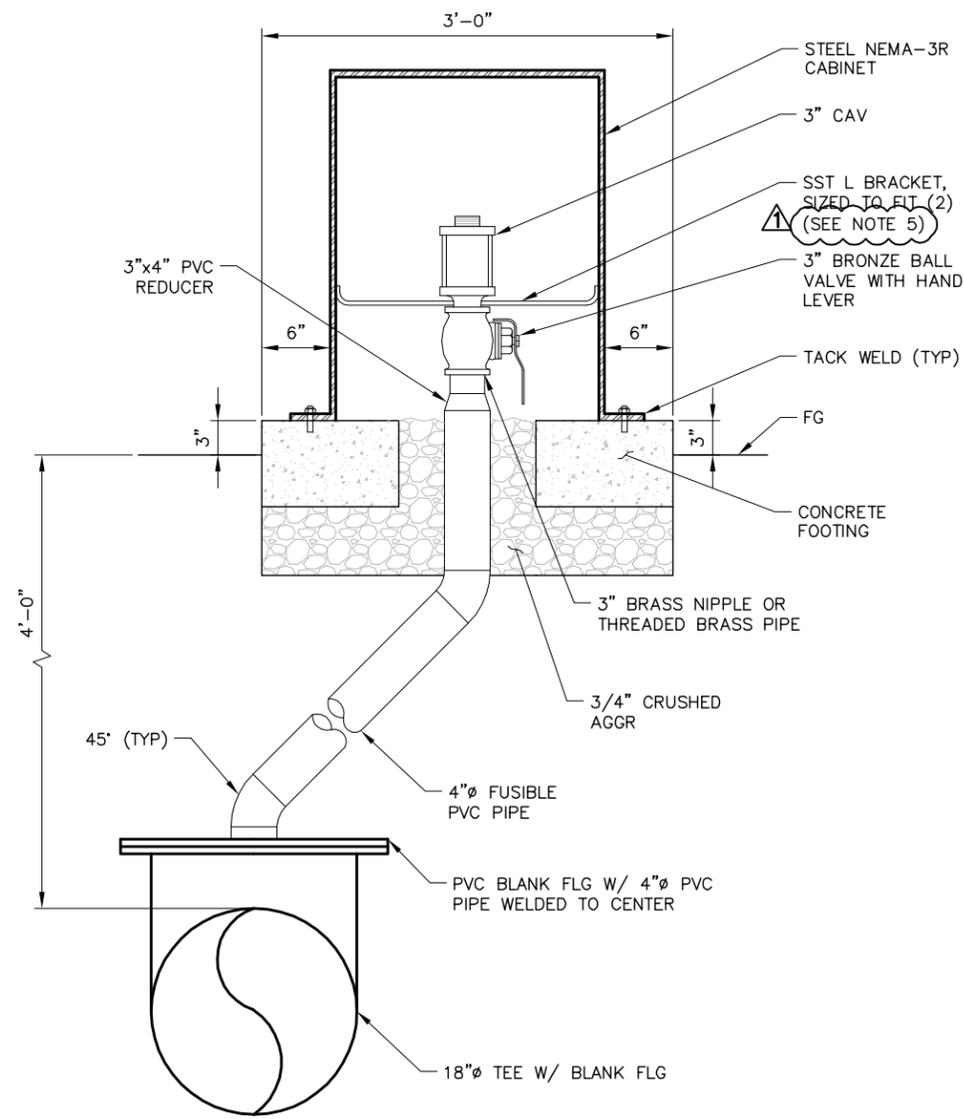
DRAWING NUMBER: C-5

SHEET 9 OF 19

Nov 27, 2012 - 2:53pm T:\NAPA\_Salt\_Marsh\Sheet\M-001.dwg



**COMBINATION AIR VALVE ASSEMBLY PLAN** 1  
SCALE: NTS C-1, C-3, C-4



**COMBINATION AIR VALVE ASSEMBLY PLAN SECTION** A  
SCALE: NTS

**NOTES**

1. CONTRACTOR TO SURVEY CAV STRAINER HEIGHTS TO CONFIRM ELEVATIONS.
2. EXTEND CONCRETE COLLAR 8" MINIMUM BEYOND BOX PERIMETER AND 6" BELOW HAUNCH OF BOX, WITH ONE #3 REBAR.
3. LABEL UTILITY BOX "SVCSD". USE PVC OR CONCRETE FOR SUPPORT BLOCKS, USING 2 PER BOX.
4. PLACE CAV SUCTION STRAINER A MINIMUM OF 6" ABOVE BASE FLOOD ELEVATION OF 9', AS SHOWN ON TABLE 1. COORDINATE ENCLOSURE LOCATION WITH OWNER. PLACE SPOILS TO RAISE GRADE AT CAV IN SHEET C-3 TO MINIMIZE HEIGHT OF BOX REQUIRED.
5. ISOLATE SS FROM OTHER METALS (E.G. BRASS, BRONZE, ETC.)

**TABLE 1: CAV INSTALLATION HEIGHTS**

DRAWING NO.	STATIONS	EG (FT)	SUCTION STRAINER EL (FT)	HEIGHT ABOVE EG (FT)
C-1	500+23.44	10	11.5	1.5
C-3	523+75.95	6	9.5	3.5
C-4	536+55.30	8	10	2.0

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0	11/02/12	ISSUED FOR BID	CS

**SONOMA VALLEY COUNTY  
SANITATION DISTRICT**

SCALE: NONE	DATE: 11/07/2012
DRAWN: M. MONTES	
REVIEWED: J. HYMAN	

NAPA SALT MARSH RESTORATION PIPELINE  
**COMBINATION AIR VALVE ASSEMBLY DETAILS**