

DOCUMENT 00911

ADDENDUM NUMBER 1

Issued: April 3, 2015

**Sonoma Valley County Sanitation District
Sewer Trunk Replacement (Agua Caliente Creek Crossing)**

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 March 2015. 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 1 consists of 13 pages (size 8 1/2" x 11") and 5 revised Drawings.

I. General Changes

A. No changes.

II. Changes to Prior Addenda

A. N/A

III. Changes to Introductory Information and Bidding Requirements

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

1. Delete Paragraphs 2.D.2 and 2.D.3 in their entirety. [These references were inadvertently included; however, Owner cannot publicly release information marked "Confidential."]

~~2. — A Cultural Resources Survey and Investigation for the Agua Caliente Creek Sewer Crossing Project~~

~~El Verano, Sonoma County, California~~

~~Eileen Barrow, M.A. / RPA and Thomas M. Origer, M.A. / RPA~~

~~December 9, 2011, revised February 21, 2012~~

~~3. — A Cultural Resources Survey for the Northern Portion of the Agua Caliente Creek Sewer Crossing Project~~

~~El Verano, Sonoma County, California~~

~~Eileen Barrow, M.A. / RPA~~

~~August 23, 2013~~

2. Insert the following after Paragraph 2.D.1 and renumber remaining paragraph accordingly:

[2. Geotechnical Investigation Report, Sonoma County Valley Sanitation District Sonoma County Water Agency, Sewer Trunk Replacement Project, Reach A Ramon Street and Sonoma Highway Area Sonoma County, California Kleinfelder Project No.: 20143780.001A February 6, 2015](#)

B. Document 00400 (Bid Form):

1. Paragraph 4, Schedule of Bid Prices, delete Bid Item 14 and renumber remaining Bid items accordingly.

14.	Relocate Existing Utilities	XXXXXX	Lump Sum	XXXXX	\$
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2. Bidder shall use the revised Document 00400 (Bid Form) attached, marked "REVISED 4/3/15" in its Bid.

IV. Changes to Contracting Requirements

A. Document 00520 (Agreement):

1. Bid Item 14 will be deleted from the final Contract Documents, and remaining paragraphs will be renumbered accordingly.

14.	Relocate Existing Utilities	XXXXXX	Lump Sum	XXXXX	\$
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V. Changes to Conditions of the Contract

A. No changes.

VI. Changes to Specifications

A. Section 01100 (Summary):

1. Delete Paragraph 1.4D.14 in its entirety and renumber remaining paragraphs accordingly.

~~14. — Relocate Existing Utilities. The lump sum price paid under this item shall be full payment for relocation of the existing telephone service pedestal splice box as indicated on Old Maple Avenue.~~

2. Modify Paragraph 1.4.D.46 as follows:

46. Guided Bore Method Bore and Jack Pit Excavation. The lump sum price paid under this item shall be full payment for excavating the guided bore pits, segregating top soil from deeper soil spoils, hauling and temporarily storing excavation top soil and deeper soil spoils, preparing the guided bore pit for boring procedures, re-hauling, backfilling and compacting the previously removed deeper spoils and top soil back in the pits, placing compacted top soil up to the surface, disposing of any excess spoils, [preparation and implementation of Emergency Backup Plan for Temporary Replacement of Storm Drain Pipe](#), and providing surface restoration in the pit areas and temporary stockpile areas. For the purposes of payment, 10 percent (in addition to any other retention) to be retained and paid after backfill and surface restoration.

B. Section 02315 (Excavation, Bedding, Backfill, and Resurfacing):

1. Delete Paragraph 1.1A.13 in its entirety.
~~13. — Relocate telephone pedestal splice box~~
 2. Insert the following after Paragraph 1.2A and renumber remaining paragraphs accordingly:
B. ISA Publication Best Management Practices – Managing Trees During Construction
 3. Insert the following after Paragraph 1.3B.4.a:
b. Emergency Backup Plan for Temporary Replacement of Storm Drain Pipe removed for excavation and shoring of guided bore and receiving pits westerly of Buena Vida Drive:
 - 1) Work Plan shall include:
 - (a) Protocol to implement the Work Plan a minimum of 12 hours prior to expected storm event.
 - (b) Details of temporary storm drain layout and supports in conjunction with bore pit and receiving pit shoring layouts and operations
 - (c) Required materials list
 - (d) Location of material storage when permanent storm drain is not in place
 4. Modify Paragraph 2.2O.4.a as follows:
 - a. 18-inch diameter Class 5, Wall Type B: ASTM C76
 5. Insert the following after Paragraph 2.2P.9.d.3):
Q. Tree Protection Structure: Conform to Figure 4 in ISA Publication.
 6. Modify Paragraph 3.2A as follows:
A. ~~Owner will provide a qualified biological monitor to monitor trenching in Special Trenching area under the driplines of trees as indicated.~~ Provide written notification to Owner one week prior to commencing excavation activities in Special Trenching areas.
 7. Modify Paragraph 3.3A.1 as follows:
 1. For cast-in-place structure bases, do not disturb bottom of excavation. Trim bottoms to required lines and grades to leave solid base to receive other Work.
 8. Insert the following after Paragraph 3.3A.1 and renumber remaining paragraphs accordingly:
2. For precast structure bases, see Paragraph 3.8.A, of this Section.
 9. Modify Paragraph 3.8C.1 as follows:
 1. Siphon Structures “A” and “B”: Backfill three sides, not over the siphon pipes, with CDF and Type C Trench backfill on top as indicated, and the fourth side with Type C Trench backfill.
 10. Delete Paragraph 3.21 in its entirety.
~~3.21 — RELOCATE EXISTING TELEPHONE SPLICE PEDESTAL BOX~~
~~A. — Relocate the telephone pedestal splice box at approximate curb station 1+18 on Old Maple Avenue to behind the new curb and gutter in accordance with the requirements of AT&T.~~
- C. Section 02446 (Trenchless Installation):
1. Modify Paragraph 3.2A as follows:
 - A. ~~Owner will provide a qualified biological monitor to monitor the guided bore pit, receiving pit, and observation pit excavation activities near creeks and significant~~

~~trees, and other guided bore activities.~~ Provide written notification to Owner one week prior to commencing guided boring excavation activities.

1. Provide a Certified Arborist to monitor the guided bore pit, receiving pit, and observation pit excavation and actual guided bore activities as specified in Section 02315 (Excavation, Bedding, Backfill, and Resurfacing).
2. Modify Paragraph 3.2C as follows:
 - C. ~~Install 2-inch by 2-inch by 12-inch minimum depth survey hubs at 10 feet on centers along the guided bore paths with surveyed top of hub elevations. Record the top of hub elevations prior to starting of guided bore casing installation.~~ Monitor and record the top of hub-rebar elevations as the guided bore casing reaches each survey hub-rebar and also at the end of the guided bore casing installation. Provide copies of survey information to Owner prior to commencement of boring, during boring, and at completion of boring operations. Remove and dispose of hubs-rebars when allowed by Owner in writing.
 3. Modify Paragraph 3.2K as follows:
 - K. Guided bore and jack installations: Minimum bored hole diameter, essentially the same as the outside diameter of the casing pipe plus the thickness of any protective coating. If voids should develop, or if the bored diameter is greater than the outside diameter of the pipe by greater than one inch, fill the space by grouting or other remedial measures as approved by Owner. At a minimum, provide a 6-inch thick concrete slab at bottom of guided boring pit to provide support for the guided bore machine and constant designed slope of guided bore casing. Remove slab prior to backfilling pit.
 4. Modify Paragraph 3.3A as follows:
 - A. ~~Owner will provide a qualified biological monitor to monitor the pipe ramming bore and receiving pit excavations and actual pipe ramming activities at the Agua Caliente Creek Crossing.~~ Provide written notification to Owner one week prior to commencing pipe ramming pits excavation activities.
 1. Provide a Certified Arborist to monitor the pipe ramming pit and receiving pit excavations and actual pipe ramming activities as specified in Section 02315 (Excavation, Bedding, Backfill, and Resurfacing).
- D. Section 02535 (Sanitary Sewage Systems):
1. Delete Paragraph 1.4B.2.c.3) in its entirety and renumber remaining paragraphs accordingly.
 - ~~3) Flow rates:~~
 - ~~(a) Peak wet weather flow rate: 9.3 million gallons per day (6,460 gallons per minute)~~
 - ~~(b) Night time dry weather low flow rate: 0.375 million gallons per day (260 gallons per minute)~~
 - ~~(c) Night time dry weather diurnal high flow rate, 2 times low flow rate: 0.75 million gallons per day (520 gallons per minute)~~
 2. Insert the following to a new Article 1.7:

1.7 PROJECT CONDITIONS

 - A. Existing Conditions:
 1. Sanitary sewer trunk flow rates:
 - a. Approximate dry weather night time low flow rate: 0.4 million gallons per day (600 gallons per minute)

- b. Approximate peak dry weather flow rate range of 0.7 million gallons per day (1,000 gallons per minute) to 1.4 million gallons per day (2,000 gallons per minute)
3. Insert the following after Paragraph 2.2A.7.b:
8. Color: Gray
 4. Insert the following after Paragraph 2.2Q.2.d:
e. 316 stainless steel bolts, washers and nuts, but protect against galling.
 5. Insert the following after Paragraph 2.2Q.2.e:
3. Installation: Install at one-half of maximum expansion.
- E. Section 02536 (Manholes, Frames, and Covers):
1. Modify Article 3.10 as follows:
3.10 MANHOLE ~~CORING~~MODIFICATIONS
 2. Insert the follow after Paragraph 3.10B. as follows:
C. Completely coat entire inside of modified manhole after modifications are completed and concrete and mortar has dried.
- F. Section 03480 (Precast Concrete Structures):
1. Modify Paragraph 1.3B.3 as follows:
 3. Submit hatch installation drawings, including middle support beam details
 2. Modify Paragraph 1.4A as follows:
 - A. Siphon Structure shall be designed to withstand H-20 highway loadings, ~~where indicated.~~
 3. Modify Paragraph 2.2A as follows:
 - A. Double leaf hatches shall be aluminum H-20 rated hatches with type 316 stainless steel hinges and fastening hardware, 316 stainless steel and aluminum locking hold open arms with 316 stainless steel spring assists, and 316 stainless steel middle support beams ~~as indicated.~~

VII. Changes to Drawings

- A. Delete Drawing No. G-2 and replace with Drawing No. G-2 attached and marked "04/02/2015 Addendum 1"
- B. Delete Drawing No. C-1 and replace with Drawing No. C-1 attached and marked "04/02/2015 Addendum 1"
- C. Delete Drawing No. C-2 and replace with Drawing No. C-2 attached and marked "04/02/2015 Addendum 1"
- D. Delete Drawing No. C-3 and replace with Drawing No. C-3 attached and marked "04/02/2015 Addendum 1"
- E. Delete Drawing No. C-4 and replace with Drawing No. C-4 attached and marked "04/01/2015 Addendum 1"

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. Are you going to make available on your web page the other 2 geo-tech reports? That would be items 2 and 3 in section 00320, page 1. Please advise.

Owner's response: Answered in this Addendum above.

END OF DOCUMENT

*** REVISED 4/3/15 ***

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 70-712-7 #7, SONOMA VALLEY COUNTY SANITATION DISTRICT, SEWER TRUNK REPLACEMENT (AGUA CALIENTE CREEK CROSSING)

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.
- (c) 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.

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.	Storm Water Pollution Prevention Plan and Implementation	XXXXXX	Lump Sum	XXXXX	\$
6.	Mobilization/ Demobilization	XXXXXX	Lump Sum	XXXXX	\$
7.	Sheet Piling, Shoring, and Bracing	XXXXXX	Lump Sum	XXXXX	\$
8.	Traffic Control Plan and Implementation	XXXXXX	Lump Sum	XXXXX	\$
9.	Project Identification Signs	2	EA	\$	\$
10.	Guided Bore Plan Preparation	XXXXXX	Lump Sum	XXXXX	\$
11.	Pipe Ramming Plan Preparation	XXXXXX	Lump Sum	XXXXX	\$

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
12.	Dewatering Plan Preparation	XXXXXX	Lump Sum	XXXXX	\$
13.	Site Clearing	XXXXXX	Lump Sum	XXXXX	\$
14.	Dewatering Plan Implementation	XXXXXX	Lump Sum	XXXXX	\$
15.	Sewer Diversion and Bypass Pumping	XXXXXX	Lump Sum	XXXXX	\$
16.	1-inch Water Service for 154 Fairview Lane	XXXXXX	Lump Sum	XXXXX	\$
17.	1-inch Water Service for 157 Fairview Lane	XXXXXX	Lump Sum	XXXXX	\$
18.	Abandon Existing 4-inch Side Sewer and Provide New 6-Inch PVC Side Sewer	XXXXXX	Lump Sum	XXXXX	\$
19.	Remove Existing and Provide New 4-inch Lateral Sewer	XXXXXX	Lump Sum	XXXXX	\$
20.	6-inch Diameter PVC Sewer Main	10	LF	\$	\$
21.	8-inch Diameter PVC Sewer Main	30	LF	\$	\$
22.	12-inch OD Fused SDR 17 HDPE Siphon Pipe (Open Trenched)	106	LF	\$	\$
23.	12-inch OD Fused SDR 17 HDPE Siphon Pipe (Jacked through Casing)	133	LF	\$	\$
24.	24-inch OD Fused SDR 17 HDPE Siphon Pipe (Open Trenched)	106	LF	\$	\$
25.	24-inch OD Fused SDR 17 HDPE Siphon Pipe (Jacked through Casing)	133	LF	\$	\$
26.	30-inch OD Fused SDR 41 HDPE Siphon Pipe (Open Trenched)	166	LF	\$	\$

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
27.	30-inch OD Fused SDR 41 HDPE Siphon Pipe (Jacked through Casing)	334	LF	\$	\$
28.	Pipe Ramming 24-inch OD Steel Casing	133	LF	\$	\$
29.	Pipe Ramming 36-inch OD Steel Casing	133	LF	\$	\$
30.	Guided Bore Method 36-inch OD Steel Cylinder Encasement	327	LF	\$	\$
31.	48-inch Diameter Manhole	2	EA	\$	\$
32.	60-inch Diameter Manhole	5	EA	\$	\$
33.	60-inch Diameter Drop Manhole	1	EA	\$	\$
34.	72-inch Diameter Drop Manhole	1	EA	\$	\$
35.	96-inch Diameter Manhole	1	EA	\$	\$
36.	Connect to, and Modify, Existing 60-inch Diameter Manhole	1	EA	\$	\$
37.	Abandon Existing 60-inch Diameter Manhole	4	EA	\$	\$
38.	Abandon or Remove Existing 21-inch, 8-inch, and 6-inch Diameter Sewer Mains	XXXXXX	Lump Sum	XXXXX	\$
39.	Remove Existing 22-inch OD Steel Trunk Sewer Main Spanning Agua Caliente Creek	XXXXXX	Lump Sum	XXXXX	\$
40.	Precast Reinforced Siphon Structure "A"	XXXXXX	Lump Sum	XXXXX	\$
41.	Precast Reinforced Siphon Structure "B"	XXXXXX	Lump Sum	XXXXX	\$

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
42.	Pipe Ramming Pits Excavation and Preparation	XXXXXX	Lump Sum	XXXXX	\$
43.	Over-Excavation Below Design Trench Subgrade in Vicinity of Siphon Structure "B"	294	CY	\$	\$
44.	CDF Buttress Fill	600	CY	\$	\$
45.	Guided Bore Method Bore and Jack Pits Excavation	XXXXXX	Lump Sum	XXXXX	\$
46.	Siphon Structure "A" and "B" Pits Excavation	XXXXXX	Lump Sum	XXXXX	\$
47.	Abandon or Remove, and Lower Existing Piezometer Wells	2	EA	\$	\$
48.	Abandon Well at 157 Fairview Lane	XXXXXX	Lump Sum	XXXXX	\$
49.	Relocate Wood Frame Structure at 157 Fairview Lane	XXXXXX	Lump Sum	XXXXX	\$
50.	All-Weather Aggregate Base Access Roadway and Appurtenances	125	SY	\$	\$
51.	Siphon Structure "B" Permeable Paver Access Roadway	380	SY	\$	\$
52.	Siphon Structure "A" Access Pad Surface Improvements	XXXXXX	Lump Sum	XXXXX	\$
53.	Old Maple Avenue Roadway Resurfacing, and Concrete Curb and Gutter	XXXXXX	Lump Sum	XXXXX	\$
54.	Type "A" Roadway Asphalt Concrete Resurfacing on Fairview Lane	581	SY	\$	\$

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
55.	Type "B" Roadway Asphalt Concrete Resurfacing on Fairview Lane	1,062	SY	\$	\$
56.	Transitional Roadway Resurfacing on Fairview Lane between Types "A" and "B"	166	SY	\$	\$
57.	Type "A" Roadway Asphalt Concrete Resurfacing on Old Maple Avenue	1,320	SY	\$	\$
58.	Revegetation	XXXXXX	Lump Sum	XXXXX	\$
59.	All Other Work	XXXXXX	Lump Sum	XXXXX	\$
TOTAL BID PRICE					\$
60.	Contingency Reserve	XXXXXX	XXXXXX	XXXXX	\$50,000.00
TOTAL					\$

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.
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: _____.

REGISTRATION PURSUANT TO LABOR CODE SECTION 1725.5:
 Contractor's registration number: _____

 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

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

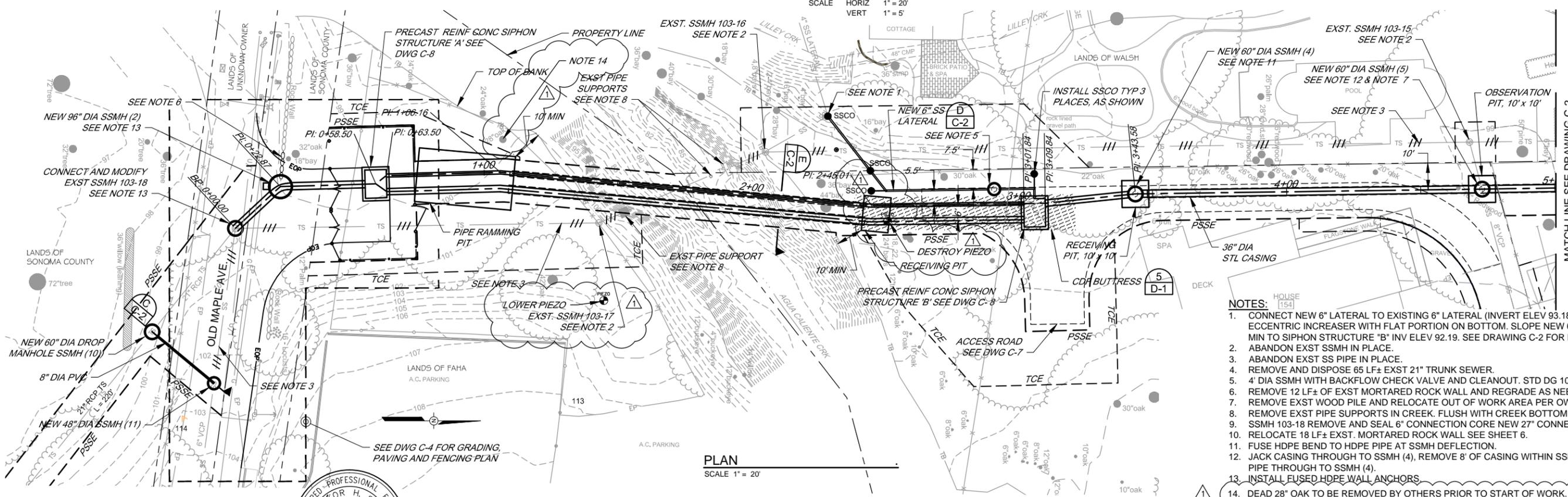
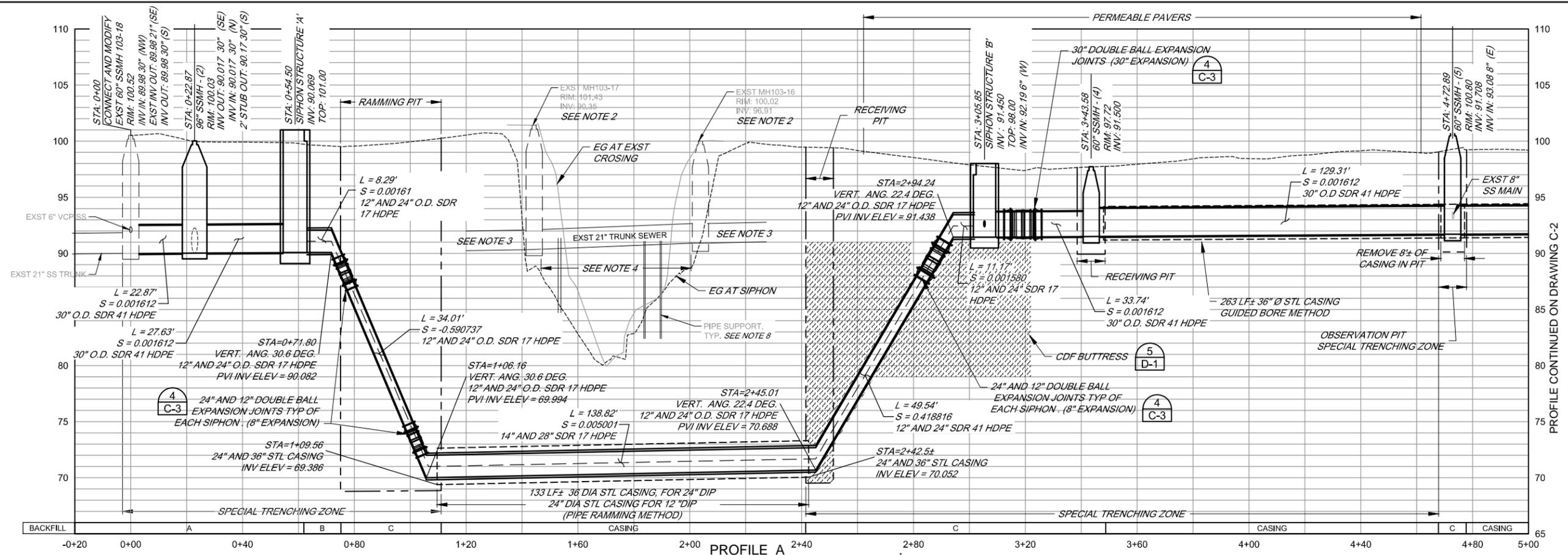
Telephone Number(s):

Fax Number(s):

Email address(es):

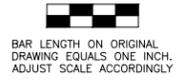
Date of Bid:

END OF DOCUMENT



- NOTES:**
- CONNECT NEW 6" LATERAL TO EXISTING 6" LATERAL (INVERT ELEV 93.18±) WITH 4" x 6" ECCENTRIC INCREASER WITH FLAT PORTION ON BOTTOM. SLOPE NEW 6" LATERAL (99±) AT 1% MIN TO SIPHON STRUCTURE 'B' INV ELEV 92.19. SEE DRAWING C-2 FOR PROFILE.
 - ABANDON EXST SSMH IN PLACE.
 - ABANDON EXST SS PIPE IN PLACE.
 - REMOVE AND DISPOSE 65 LF± EXST 21" TRUNK SEWER.
 - 4" DIA SSMH WITH BACKFLOW CHECK VALVE AND CLEANOUT. STD DG 100 AND 127.
 - REMOVE 12 LF± OF EXST MORTARED ROCK WALL AND REGRADE AS NEEDED.
 - REMOVE EXST WOOD PILE AND RELOCATE OUT OF WORK AREA PER OWNER OF SAME PARCEL.
 - REMOVE EXST PIPE SUPPORTS IN CREEK. FLUSH WITH CREEK BOTTOM SURFACE.
 - SSMH 103-18 REMOVE AND SEAL 6" CONNECTION CORE NEW 27" CONNECTION.
 - RELOCATE 18 LF± EXST. MORTARED ROCK WALL SEE SHEET 6.
 - FUSE HDPE BEND TO HDPE PIPE AT SSMH DEFLECTION.
 - JACK CASING THROUGH TO SSMH (4), REMOVE 8" OF CASING WITHIN SSMH (5) PIT, JACK HDPE PIPE THROUGH TO SSMH (4).
 - INSTALL FUSED HDPE WALL ANCHORS.
 - DEAD 28" OAK TO BE REMOVED BY OTHERS PRIOR TO START OF WORK.

MSD-DATA\Proj\Sanitation\sonoma_valley_csd\collection\7544-Agua_Caliente-Xing\7544_Conformed

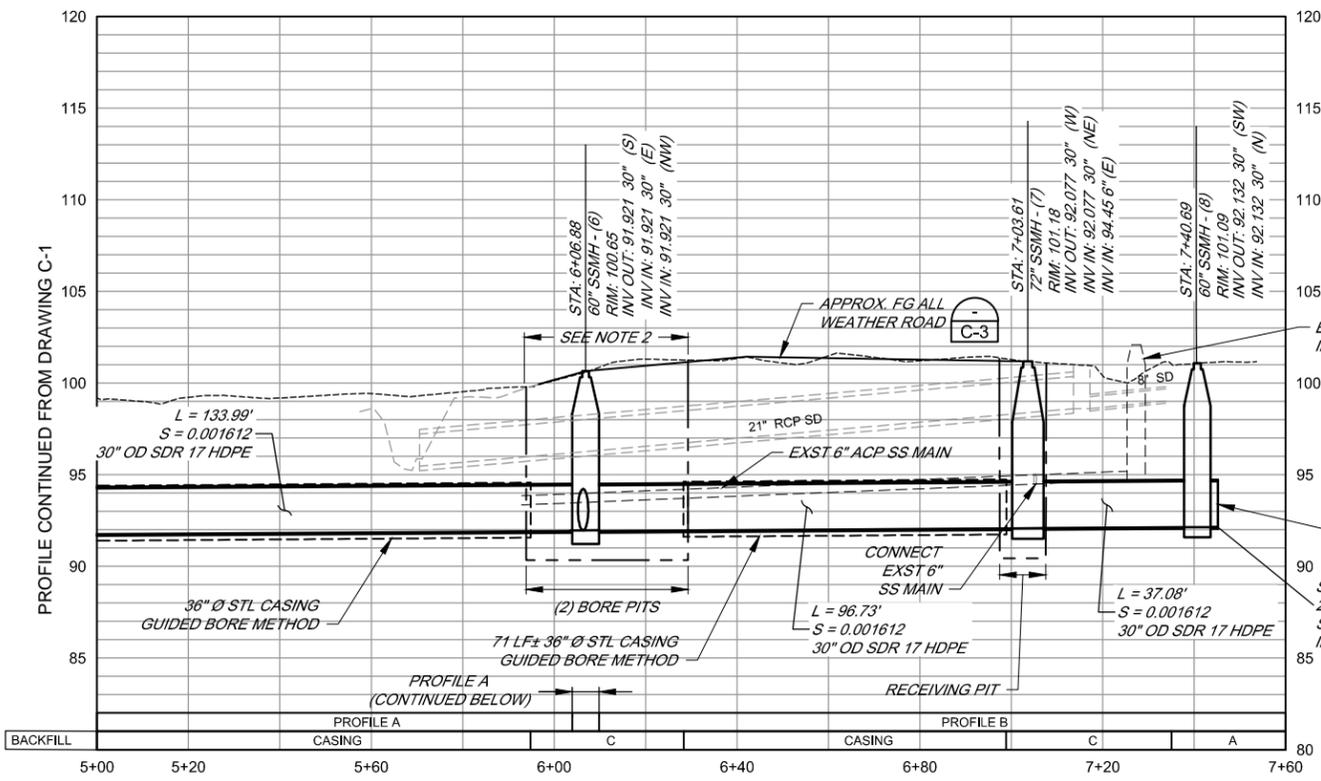


NO.	DATE	REVISION	BY
1	04/02/2015	ADDENDUM 1	

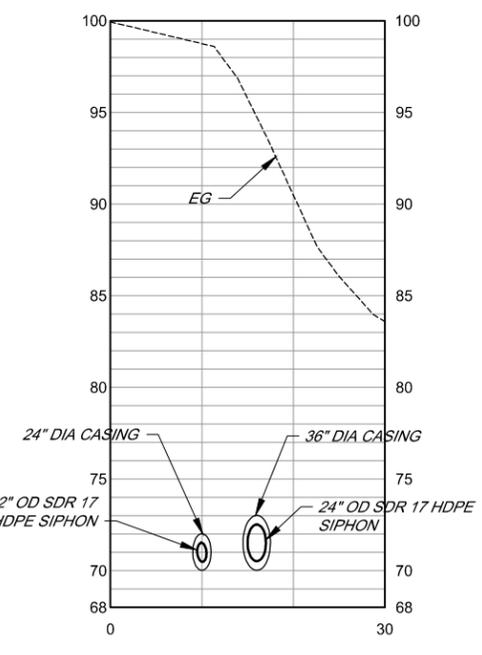
**SONOMA VALLEY COUNTY
SANITATION DISTRICT**

SCALE: AS SHOWN	DATE: 18 MARCH 2015
DRAWN: ADF	
REVIEWED: <i>Kent Gynne</i>	

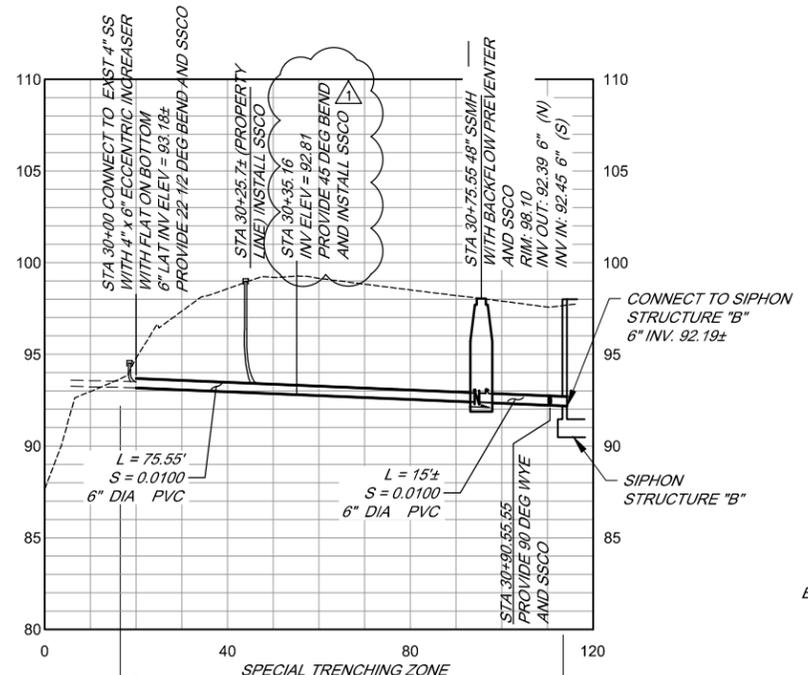
SEWER TRUNK REPLACEMENT (AGUA CALIENTE CREEK CROSSING)	
PLAN AND PROFILE STA 0+00 TO STA 5+00	
FILE NAME: 7544_XING_CIVIL_Adden	DRAWING NUMBER: C-1
CONTRACT NUMBER: 70-712-7 #7	SHEET 3 OF 14



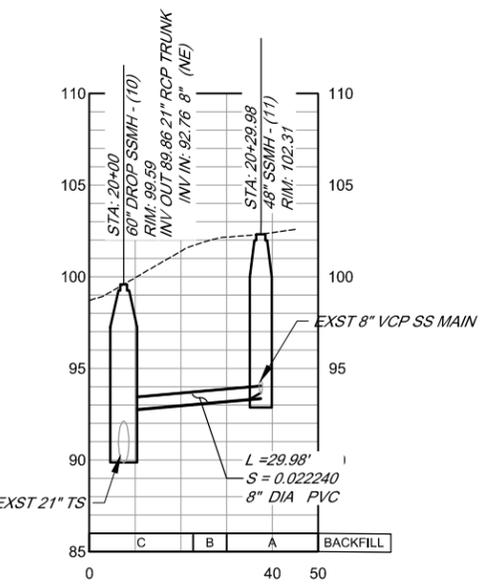
PROFILE A & B
 SCALE HORIZ 1" = 20'
 VERT 1" = 5'



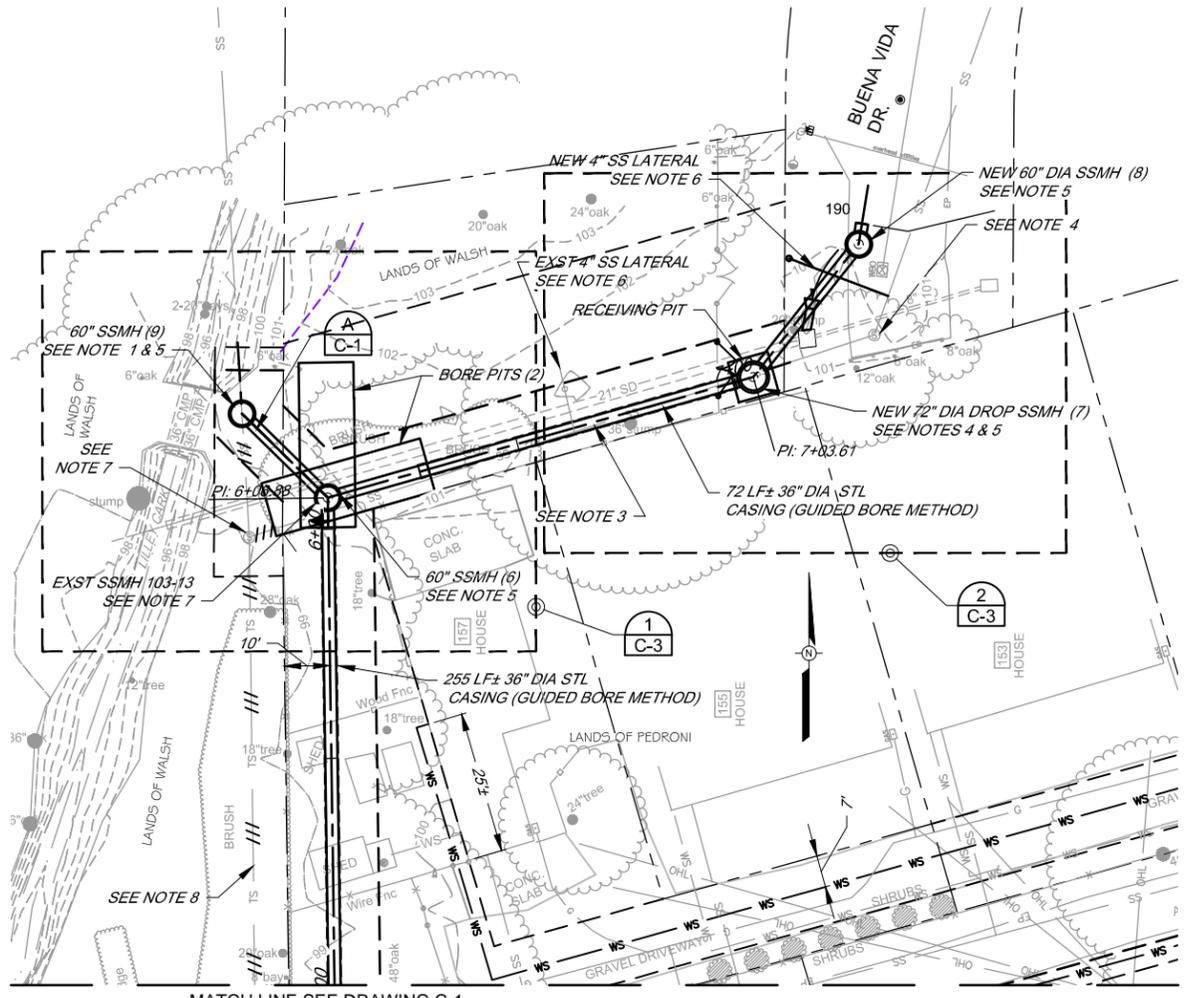
SECTION
 SCALE HORIZ 1" = 10'
 VERT 1" = 5'



PROFILE C (8" SS MAIN)
 SEE DRAWING C-1 FOR PLAN
 SCALE HORIZ 1" = 20'
 VERT 1" = 5'



PROFILE A (CONTINUED ABOVE)
 SCALE HORIZ 1" = 20'
 VERT 1" = 5'



MATCH LINE SEE DRAWING C-1

PLAN
 SCALE 1" = 20'

- NOTES:**
- CONNECT EXISTING 21" TRUNK TO NEW 60" SSMH (9) AND PLACE NEW 30" OD SDR 17 HDPE SS TRUNK OUTLET TO NEW 60" DIA. SSMH (6).
 - REMOVE AND RESTORE EXST 21" RCP STORM DRAIN WITHIN BORE PIT.
 - REMOVE AND/OR ABANDON APPROXIMATELY 124 LF± OF 6" ACP SS.
 - EXST SSMH 103-14 6" INV OUT 94.71. REMOVE AND REPLACE 9' OF EXST 6" ACP OUTLET PIPE. CONNECT TO NEW TRUNK SSMH (7) WITH 7 LF± OF 6" PVC AT S=0.0100, 6" IN AT TRUNK SSMH (7) = 94.45
 - INSTALL FUSED WALL ANCHOR PER DETAIL 6 DG C-3.
 - REMOVE EXST 4" ACP SS LATERAL, PROVIDE NEW 4" PVC SS LATERAL.
 - ABANDON EXST SSMH IN PLACE.
 - ABANDON EXST SEWER PIPE.



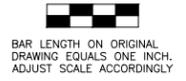
NO.	DATE	REVISION	BY
1	04/02/2015	ADDENDUM 1	

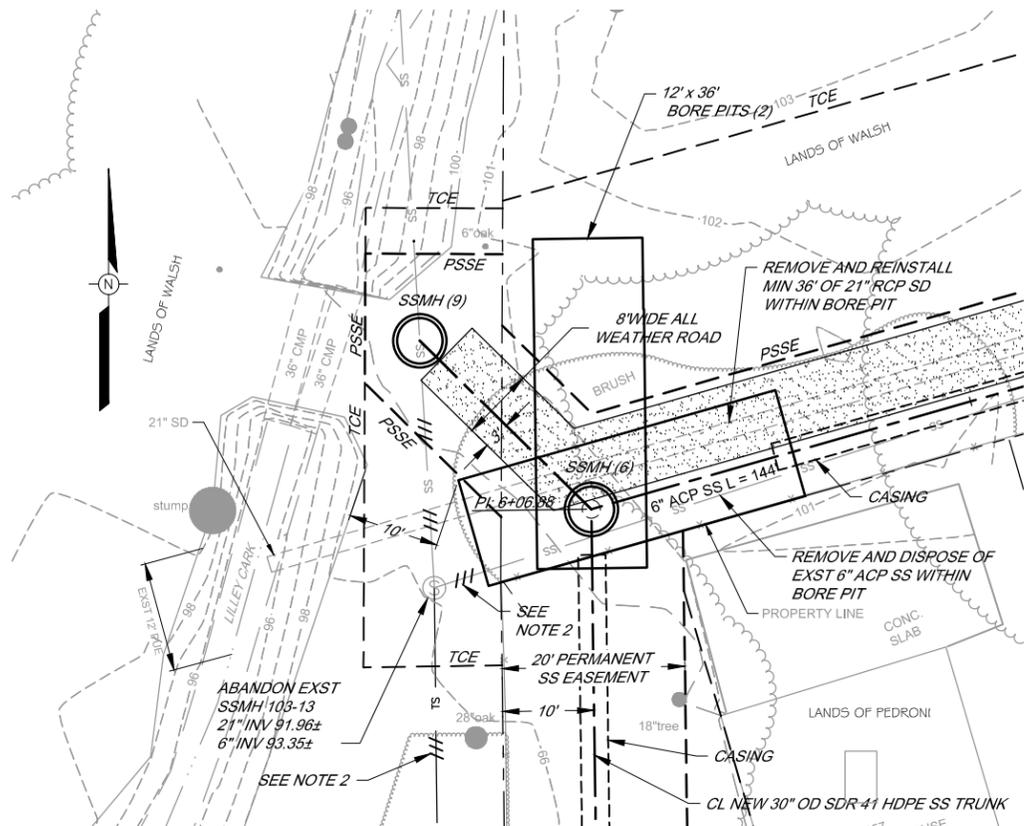
**SONOMA VALLEY COUNTY
 SANITATION DISTRICT**

SCALE: AS SHOWN	DATE: 18 MARCH 2015
DRAWN: ADF	
REVIEWED: <i>Kent Gyle</i>	

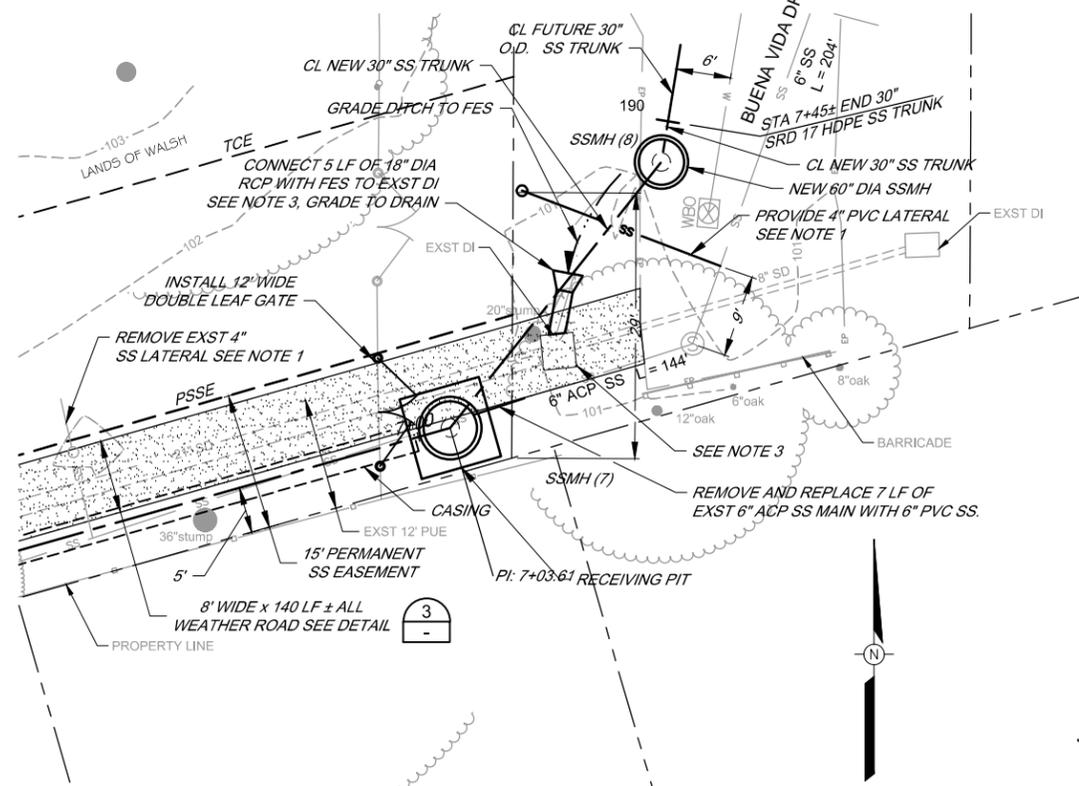
SEWER TRUNK REPLACEMENT (AGUA CALIENTE CREEK CROSSING)	
PLAN AND PROFILE STA 5+00 TO STA 7+40 AND MISCELLANEOUS PROFILES	
FILE NAME: 7544_XING_CIVIL_Adden	DRAWING NUMBER: C-2
CONTRACT NUMBER: 70-712-7 #7	SHEET 4 OF 14

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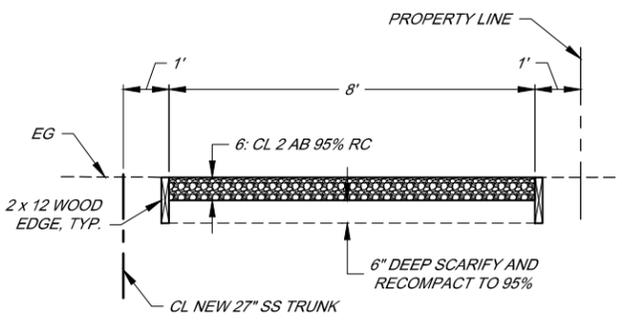




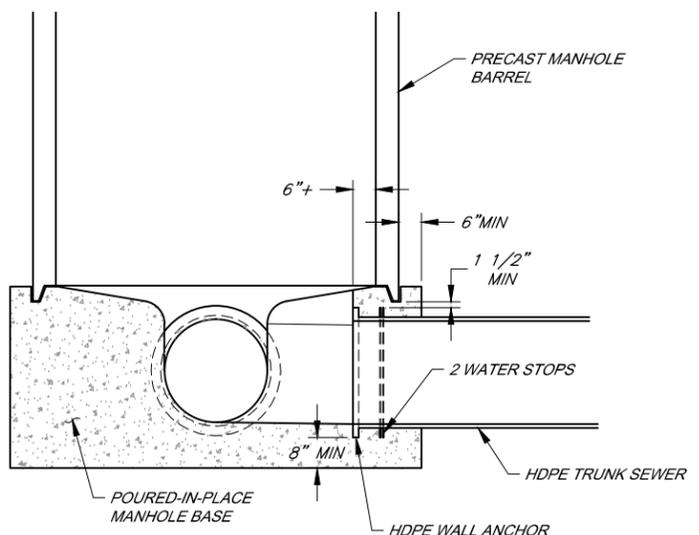
DETAIL 1
SCALE: 1" = 10'



DETAIL 2
SCALE: 1" = 10'

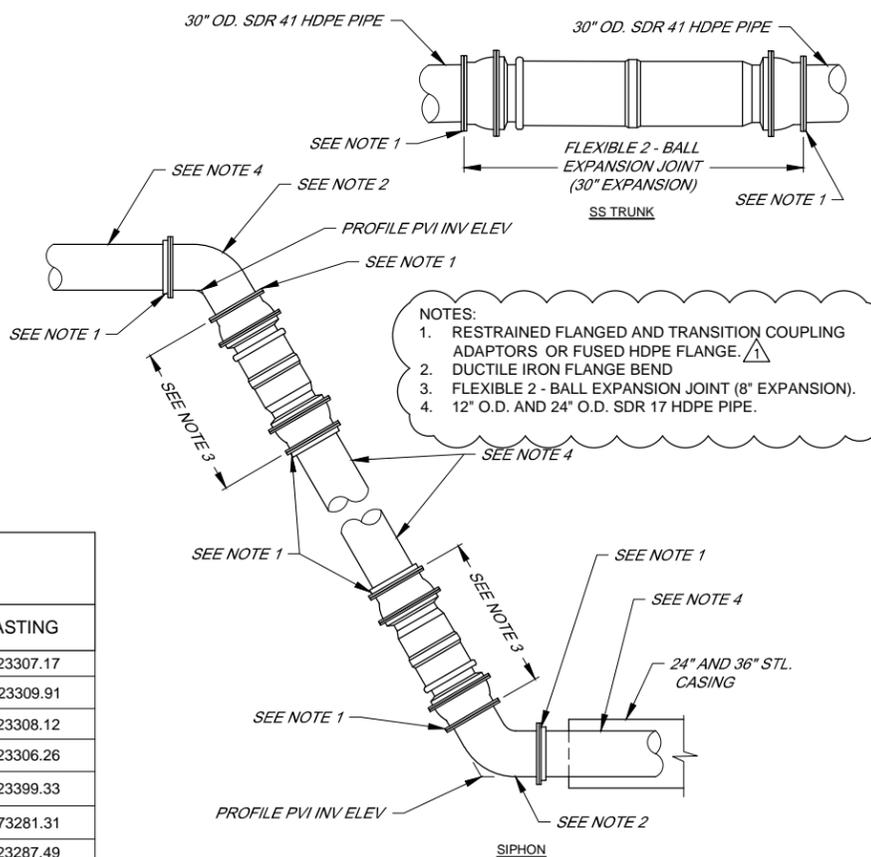


ROADWAY TYPICAL SECTION 3
SCALE: 1" = 2'



NOTE:
SEE SCWA SS STD. DWG. NUMBER 100-A
FOR OTHER REQUIREMENTS.

DETAIL 6
TRUNK SEWER WITH WALL ANCHORS AT
MANHOLES
N.T.S.



NOTES:
1. RESTRAINED FLANGED AND TRANSITION COUPLING ADAPTORS OR FUSED HDPE FLANGE.
2. DUCTILE IRON FLANGE BEND
3. FLEXIBLE 2 - BALL EXPANSION JOINT (8" EXPANSION).
4. 12" O.D. AND 24" O.D. SDR 17 HDPE PIPE.

EXPANSION JOINT PROFILE DETAIL 4
SOUTH END OF SIPHON
N.T.S.

LIST OF NEW SSMH		
NAME SSMH	NORTHING	EASTING
SSMH (2)	1872643.81	6423307.17
SSMH (4)	1872962.67	6423309.91
SSMH (5)	1873091.97	6423308.12
SSMH (6)	1873225.94	6423306.26
SSMH (7)	1873252.30	6423399.33
SSMH (8)	1873281.31	1873281.31
SSMH (9)	1873244.31	6423287.49
SSMH (10)	1872596.00	6423361.15
SSMH (11)	1872619.06	6423380.30
LATERAL	1872908.20	6423308.16

NOTES:
1. REMOVE EXST 4" ACP SS LATERAL AND PROVIDE NEW 4" PVC LATERAL CONNECTION TO EXST 6" ACP SS MAIN AS INDICATED.
2. ABANDON SS MAIN / TRUNK.
3. MODIFY EXST SIDE INLET. SEE SPECIFICATIONS.

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BAR LENGTH ON ORIGINAL
DRAWING EQUALS ONE INCH.
ADJUST SCALE ACCORDINGLY



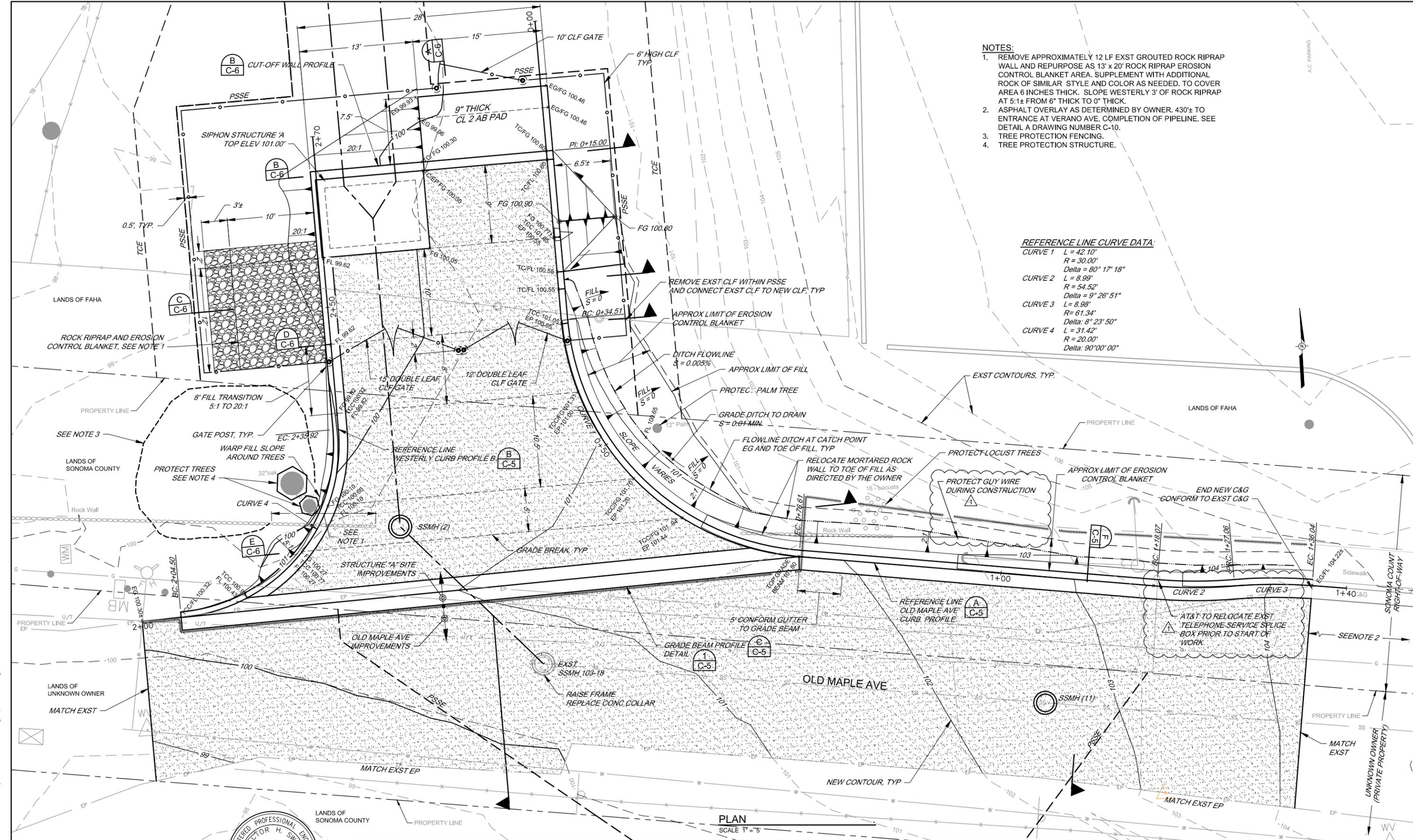
NO.	DATE	REVISION	BY
1	04/02/2015	ADDENDUM 1	

**SONOMA VALLEY COUNTY
SANITATION DISTRICT**

SCALE: AS SHOWN
DATE: 18 MARCH 2015
DRAWN: ADF
REVIEWED: Kent Coyne

**SEWER TRUNK REPLACEMENT (AGUA CALIENTE CREEK CROSSING)
DETAILS AND TABLE OF NEW SS MANHOLES**

FILE NAME: 7544_XING_CIVIL_Adden
CONTRACT NUMBER: 70-712-7 #7
DRAWING NUMBER: C-3
SHEET 5 OF 14



- NOTES:**
1. REMOVE APPROXIMATELY 12 LF EXST GROUDED ROCK RIPRAP WALL AND REPURPOSE AS 13' x 20' ROCK RIPRAP EROSION CONTROL BLANKET AREA. SUPPLEMENT WITH ADDITIONAL ROCK OF SIMILAR STYLE AND COLOR AS NEEDED. TO COVER AREA 6 INCHES THICK. SLOPE WESTERLY 3' OF ROCK RIPRAP AT 5:1± FROM 6" THICK TO 0" THICK.
 2. ASPHALT OVERLAY AS DETERMINED BY OWNER. 430± TO ENTRANCE AT VERANO AVE. COMPLETION OF PIPELINE. SEE DETAIL A DRAWING NUMBER C-10.
 3. TREE PROTECTION FENCING.
 4. TREE PROTECTION STRUCTURE.

REFERENCE LINE CURVE DATA:

CURVE 1	L = 42.10'
	R = 30.00'
	Delta = 80° 17' 18"
CURVE 2	L = 8.99'
	R = 54.52'
	Delta = 9° 26' 51"
CURVE 3	L = 8.98'
	R = 61.34'
	Delta = 8° 23' 50"
CURVE 4	L = 31.42'
	R = 20.00'
	Delta = 90° 00' 00"

PLAN
SCALE 1" = 5'



NO.	DATE	REVISION	BY
1	04/02/2015	ADDENDUM 1	

**SONOMA VALLEY COUNTY
SANITATION DISTRICT**

SCALE:	AS SHOWN	DATE:	18 MARCH 2015
DRAWN:	ADF		
REVIEWED:	<i>Kent Guyler</i>		

SEWER TRUNK REPLACEMENT (AGUA CALIENTE CREEK CROSSING)	
SIPHON STRUCTURE "A" AND OLD MAPLE AVENUE GRADING AND PAVEMENT PLAN	
FILE NAME:	7544_XING_CIVIL-grading_Adden
CONTRACT NUMBER:	70-712-7 #7
DRAWING NUMBER:	C-4
SHEET	6 OF 14

MSD-DATA\Proj\Sanitation\sonoma valley csd\collection\7544-Agua Caliente-Xing\7544 Conformed

BAR LENGTH ON ORIGINAL DRAWING EQUALS ONE INCH. ADJUST SCALE ACCORDINGLY