

**LAS VIRGENES MUNICIPAL WATER DISTRICT  
REHABILITATION OF 18-INCH REW PIPELINE FROM  
TAPIA STATE PARK TO CAMP DAVID GONZALEZ**

**ADDENDUM NO. 1  
January 4, 2013**

The following clarifications, revisions, replacements, additions, and/or deletions shall be made a part of the above-referenced contract documents. Receipt of addenda shall be acknowledged by completing the acknowledgment on Page 9 of the contract documents.

**Revisions to the Specifications**

1. The attached pages replace pages 9 and 10 of the original specifications. [Items 4 and 5 of the "Schedule of Work and Prices" have been deleted, and remaining items have been renumbered. The description of Item 6 is revised.]

**Clarifications in Response to Bidder Questions**

The following answers are provided in response to questions submitted to the District:

<b>Question from Potential Bidder</b>	<b>District's Response</b>
1. Can the bid date be extended one week?	No. Bids are due January 9, 2013.
2. Can the time for completion be extended to 150 days?	Time for completion remains as 90 days.
3. Insurance: Do the bidders need to include the cost of Builder's Risk insurance?	Builder's risk insurance is required.
4. At the pre-bid meeting, the bidders were told about a newer 24" pipeline that was installed parallel to the 18-inch pipeline. How far apart are the two pipelines?	Record drawings for the new 24-inch recycled water pipe are enclosed for information.  Through the U.S.A. process, the pipeline locations will be marked. If conflicts are discovered, they should be brought to the attention of Las Virgenes MWD, who will provide direction.
5. What permits are required for the project?	Right of entry for Tapia State Park and Camp Gonzalez will be secured by the District. No work is anticipated in Malibu Canyon Road / Las Virgenes Road.

Question from Potential Bidder	District's Response
6. The CP specification describes the installation of direct burial reference electrodes. However, Detail 1, Sheet CP-2 does not represent the installation of reference electrodes. Are reference electrodes installed at every CTS, or just at buried insulating flanges per Detail 1, Sheet CP-3?	The need for reference electrodes is not anticipated on this project. [They are only needed for buried insulating joints, and none are required.]
7. Paragraph 2.8 of the CP Specification details monolithic insulating joints. Where are these included in the project?	At the Contractor's option, monolithic insulating joints may be used in lieu of insulating flange kits.
8. Detail 1, Sheet CP-3 represents the installation of an ER probe in the trench bottom. Where is the specification for the ER probes? Are ER probes only required at buried insulating joints?	The need for reference electrodes is not anticipated on this project.
9. For Bid Item #2 - CTS #09, at 57+00, is the pipeline in the asphalt or on the shoulder at this anode test station (ATS) location? If the pipeline is in the asphalt, what paving standard does the Contractor follow?	The record drawings show that the pipeline is below the west edge of the paved surfaces, which includes a concrete gutter. Assume pavement repair consists of 4 inches of hot-applied asphalt concrete over 8 inches of road base. Provide a 12-inch wide by 1.5-inch deep cold-planed transition to existing pavement at all joints. Replace damaged concrete gutter in-kind.
10. At 61+72, the drawings appear to represent this ATS on the west shoulder of Las Virgenes Road. Where does the new ATS get installed? Will the Contractor need traffic control on Las Virgenes Road during the ATS installation?	The intent is connection to the pipeline on the west side of the paved road at the same location as the existing CP test station.
11. Bid Item #4 - CTS #11, 4-wire CTS & 6" IJ at Station 62+35: The 6" outlet appears to dead end at this location. Does a dead end termination require an insulating joint?	A revised bid schedule is attached, deleting this item.
12. Bid Item #5 - CTS #07, Isolate Service at 52+77: We could not find 2" meter service at this site.	A revised bid schedule is attached, deleting this item.

Question from Potential Bidder	District's Response
<p>13. Bid Item #7 – Joint bonding. The pipeline is buried at varying depths and travels under roadways in several areas. The unit cost of joint bonding could change by an order of magnitude depending on the actual location of the joint. What depth of cover and surface features should the bidders include in the unit bid?</p>	<p>It may be assumed that joint bonds, where required, will be on pipe that is less than 8-ft to top of pipe with no overlying pavement.</p>
<p>14. Bid Item #8 – Replace 40-ft pipeline segment: At the site visit, a District employee indicated that this 40' section of pipeline was between 10' and 12' deep. However, according the as-builts the pipe is considerably less than 10' deep. Should we bid based on the as-builts or the discussions at the pre-bid meeting?</p>	<p>The most current information is shown on the record drawings for the 24-inch pipe. Where the two pipes cross, the depth to top of the 18-inch pipe is shown as approximately 8 feet (Elev. 458.37'). However, the inspector's impression was that the depth was 10 to 12 feet.</p>
<p>15. At the site visit, a District employee indicated that this section of pipeline was installed underneath an existing sewer line. Will the crossing utility interfere with our access to replace the pipe section?</p>	<p>Refer to the record drawings for the 24-inch recycled water pipeline for approximate location and depth of utilities.</p>
<p>16. According to the bid item, the 40-ft pipe section is between Station 29+80 and 30+20. However, on the as-builts there is a 49-degree bend at Station 29+91.30, which would be near the middle of the 40-ft pipe section. What is the correct pipe stationing on the as-builts?</p>	<p>See new "Schedule of Work and Prices"</p>



Lindsay Cao, P.E.  
Associate Engineer

Attachments:

(1) Revised Pages 9 and 10 of Specifications

(2) Record Drawings for 24-inch Recycled Water Pipeline (3 sheets)

**PROPOSAL TO  
LAS VIRGENES MUNICIPAL WATER DISTRICT  
FOR THE REHABILITATION OF 18-INCH REW PIPELINE  
FROM TAPIA STATE PARK TO CAMP DAVID GONZALEZ  
(18-INCH PIPELINE CATHODIC PROTECTION PROJECT)**

Name of Bidder: \_\_\_\_\_

Business Address: \_\_\_\_\_

Phone No.: \_\_\_\_\_

The site of the work to be constructed and referred to herein is in the County of Los Angeles, California.

The work is to be in accordance with the specifications and contract documents and as shown on plans therefore entitled: **18-inch Recycled Water Pipeline – Cathodic Protection Project**.

TO THE GOVERNING BOARD OF LAS VIRGENES MUNICIPAL WATER DISTRICT.

In compliance with your notice inviting sealed proposals (bids) and other documents, the undersigned bidder proposes to perform the work and in a workmanlike manner, in strict conformity with the plans and specifications and other contract documents, including Addenda Nos. ^[\_\_\_\_], ^[\_\_\_\_], and ^[\_\_\_\_], on file in the office of the Secretary of the District for the contract unit prices herein.

**SCHEDULE OF WORK AND PRICES FOR  
18-INCH RECYCLED WATER – CATHODIC PROTECTION PROJECT**

<b>Item No.</b>	<b>Description</b>	<b>Estimated Quantity</b>	<b>Unit Price</b>	<b>Extension</b>
1	Mobilization, bonds and insurance.	Lump Sum	\$10,000	\$10,000
2	Insulating flange and test station, at Station 26+40	1 each		
3	Test station and anodes at Stations 29+52 thru 61+72	8 each		
4	Electrical continuity testing in the project area	Lump Sum		

Item No.	Description	Estimated Quantity	Unit Price	Extension
5	Joint bond (optional item at Engineer's direction), including locating electrical discontinuity, excavation and backfill.	2 each		
6	Replace 40-ft pipeline segment, 18-inch diameter x 0.188 inch, cement mortar lined and coated steel, per LVMWD Standards, Station 30+10 to 30+50.*	1 each		
7	O&M manuals (hard copy and compact disc with pdf files), including test data	Lump Sum	\$2,500	\$2,500
8	Record drawings. Provide red-lined set of all construction changes.	Lump Sum	\$1,000	\$1,000
<b>Total</b>				

*\*Item 6 includes excavation, worker protection, dewatering, butt-strap connection(s), and backfill. LVMWD Standards include PW-101, PW-121, and PW-132.*

*In case of discrepancies, the total amount will govern. Bidders shall provide prices for all items. The project will be awarded to a single bidder. The District reserves the right to reject all bids.*

*It is understood the foregoing quantities are approximate only and are solely for the purpose of facilitating the comparison of bids. The Contractor's compensation will be computed upon the basis of the actual quantities in the complete work, whether they are more or less than those shown.*

*State manufacturers name and address for each type of material upon which this proposal is based.*

TYPE OF MATERIAL

MANUFACTURER

Anodes

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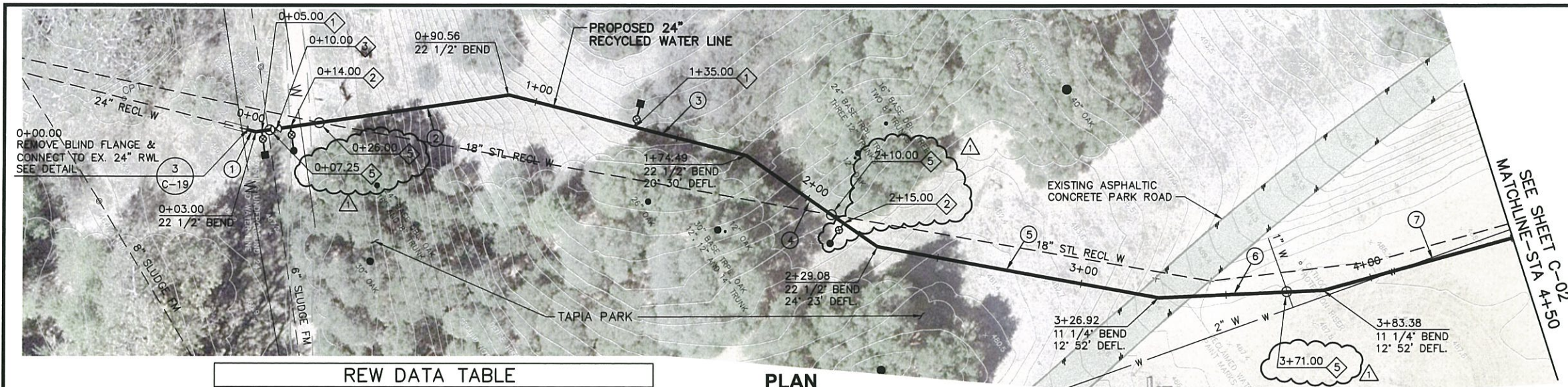
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- NOTES:**
- EXISTING OAK TREES SHALL BE PROTECTED IN-PLACE IN ACCORDANCE WITH TREE MANAGEMENT AND PROTECTION PLAN BY DUDEK, SEPTEMBER 2008.
  - THE EXISTENCE AND LOCATION OF EXISTING UNDERGROUND FACILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT ANY EXISTING FACILITY SHOWN HEREON AND ANY OTHER WHICH IS NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
  - REFER TO SPECIFICATIONS FOR RESTORATION REQUIREMENTS WITHIN STATE PARK.

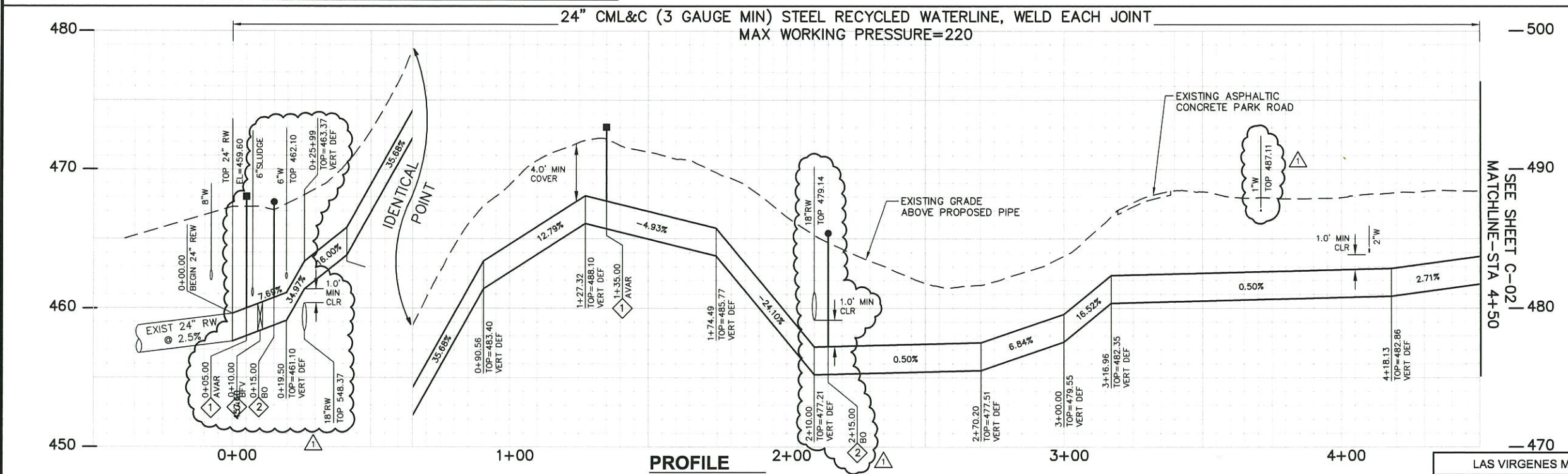
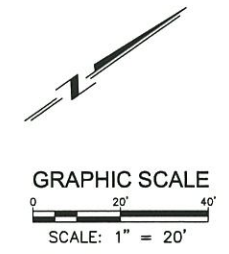
**REW DATA TABLE**

NO.	DELTA/BRG.	RADIUS	LENGTH	REMARKS
①	N49°10'57"E		3.00'	24" REW LINE
②	N26°40'57"E		87.56'	24" REW LINE
③	N49°10'57"E		83.93'	24" REW LINE
④	N69°40'57"E		54.59'	24" REW LINE
⑤	N45°17'48"E		97.84'	24" REW LINE
⑥	N32°25'13"E		56.45'	24" REW LINE
⑦	N19°32'38"E		66.63'	24" REW LINE

**PLAN**  
SCALE: 1"=20'

**CONSTRUCTION NOTES**

- INSTALL AIR & VACUUM VALVE PER DETAIL 2, DWG C-20
- INSTALL BLOWOFF PER LVMWD STD DWG NO R-10
- INSTALL 24" BUTTERFLY VALVE
- APPROXIMATE POTHOLE LOCATIONS. CONTRACTOR TO UTILIZE USA MARKING FOR ACTUAL STARTING POINT.



**PROFILE**  
SCALE: 1"=20' HORIZ  
1"= 4' VERT

REV. NO.	DATE	DESCRIPTION	APPVD.	DATE
1	3/25/10	VERT ALIGNMENT REV PER POTHOLES DATA; JACK AND BORE SECTION		

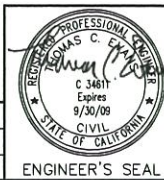
**09530** C-01

LAS VIRGENES MUNICIPAL WATER DISTRICT  
24" RECYCLED WATER (REW) PIPELINE  
FROM TAPIA STATE PARK TO MULHOLLAND HIGHWAY  
PLAN AND PROFILE:  
STA 0+00 TO STA 4+50

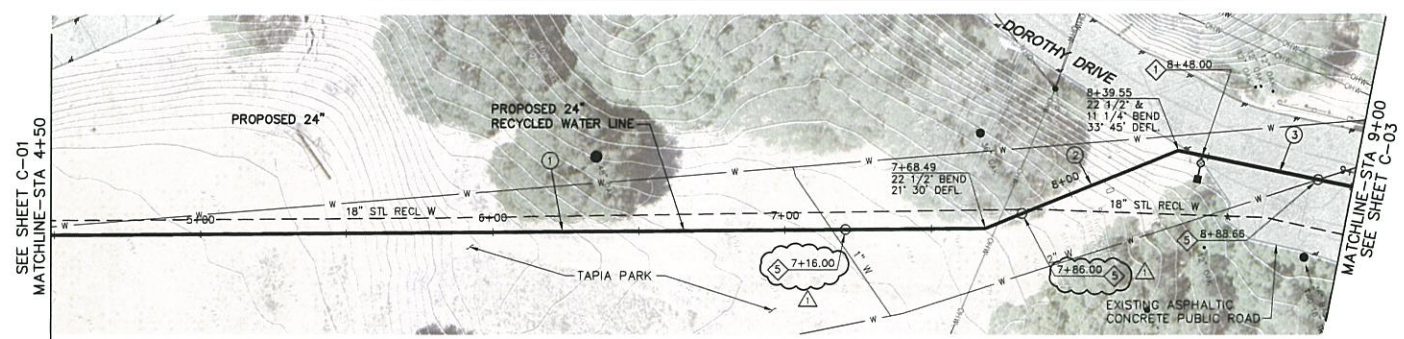
PREPARED BY:  
**DUDEK**  
621 CHAPALA STREET, SANTA BARBARA, CA  
93101 PH: (805) 963-0651 FAX: (805) 963-2074

SCALE: HORIZONTAL: AS NOTED  
VERTICAL: AS NOTED  
DATE: FEBRUARY, 2010  
SHEET 4 OF 33

DESIGN: GLR & GB  
DRAWN: GB & NML  
CHECKED: TCE



P:\101.Engineering\Las Virgenes\5779 RW Line\6-Design Data\5779.Dwg\5779-02 C01-Plan & Profile 20sc 3/25/2010 4:50 PM ENGINEER'S NAME: DUDEK

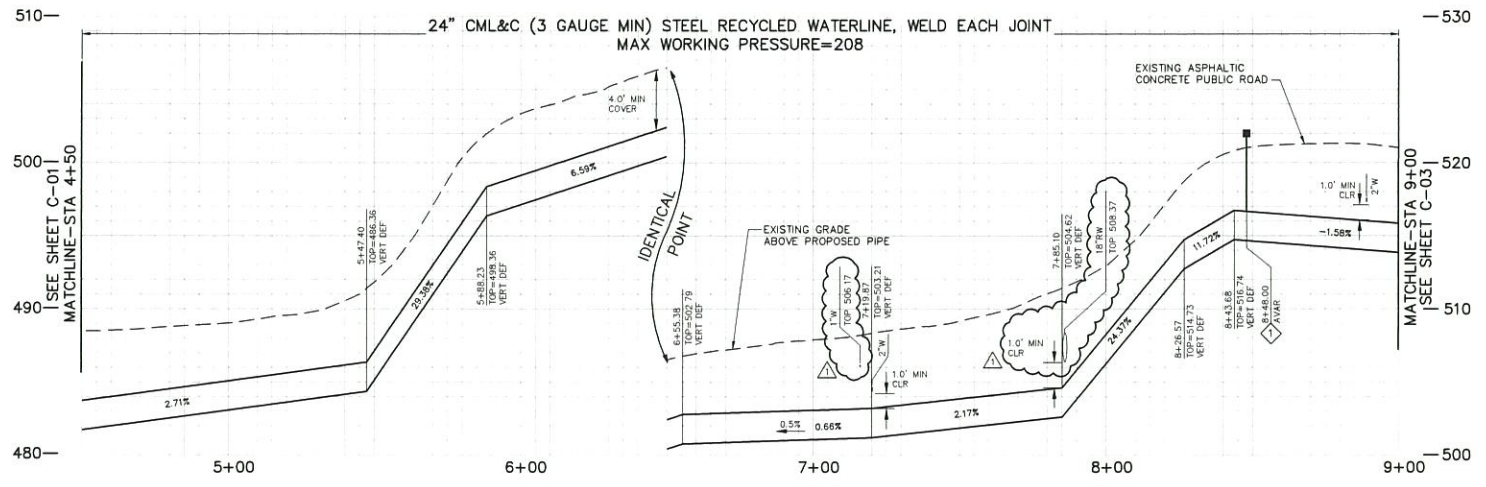
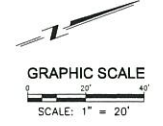


REW DATA TABLE				
NO.	DELTA/BRG.	RADIUS	LENGTH	REMARKS
1	N19°32'38"E		318.49'	24" REW LINE
2	N01°57'22"W		71.05'	24" REW LINE
3	N31°47'38"E		60.45'	24" REW LINE

**PLAN**  
SCALE: 1" = 20'

- CONSTRUCTION NOTES**
- ◇ INSTALL AIR & VACUUM VALVE PER DETAIL 2, DWG C-20
  - ◇ APPROXIMATE POTHOLE LOCATIONS. CONTRACTOR TO UTILIZE USA MARKING FOR ACTUAL STARTING POINT

- NOTES:**
- EXISTING OAK TREES SHALL BE PROTECTED IN-PLACE IN ACCORDANCE WITH TREE MANAGEMENT AND PROTECTION PLAN BY DUDEK, SEPTEMBER 2008.
  - THE EXISTENCE AND LOCATION OF EXISTING UNDERGROUND FACILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT ANY EXISTING FACILITY SHOWN HEREON AND ANY OTHER WHICH IS NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
  - REFER TO SPECIFICATIONS FOR RESTORATION REQUIREMENTS WITHIN STATE PARK.

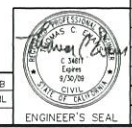


**PROFILE**  
SCALE: 1" = 20' HORIZ  
1" = 4' VERT

**09531** C-02

LINE IS 1/8" THICK  
AT FULL SIZE  
IF NOT 2" - SCALE ACCORDINGLY

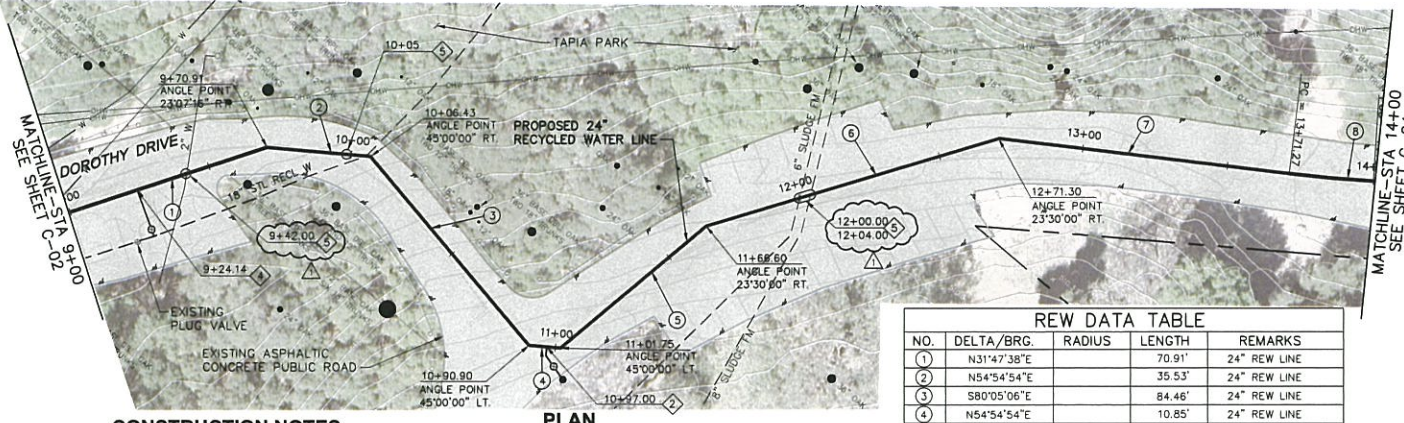
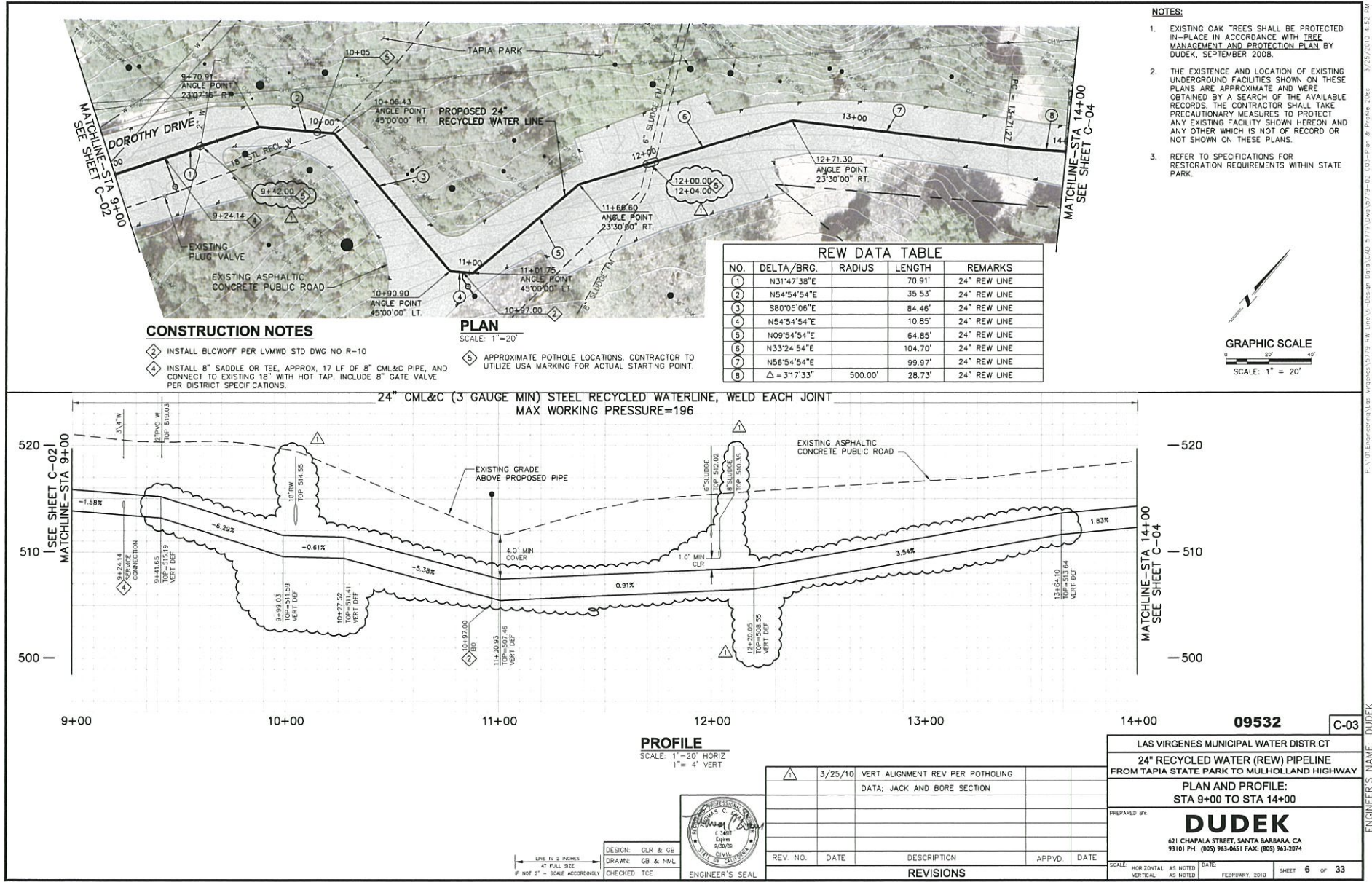
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CHECKED: TCE



REV. NO.	DATE	DESCRIPTION	APPVD.	DATE
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 STA 4+50 TO STA 9+00  
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 93101 PH: (805) 963-0451 FAX: (805) 963-2074  
 SCALE: HORIZONTAL: AS NOTED DATE: FEBRUARY, 2010 SHEET: 5 OF 33  
 VERTICAL: AS NOTED

ENGINEER'S NAME: DUDEK



**REW DATA TABLE**

NO.	DELTA/BRG.	RADIUS	LENGTH	REMARKS
1	N31°47'38"E	70.91'	24"	REW LINE
2	N54°54'54"E	35.53'	24"	REW LINE
3	S80°05'06"E	84.46'	24"	REW LINE
4	N54°54'54"E	10.85'	24"	REW LINE
5	N09°54'54"E	64.85'	24"	REW LINE
6	N33°24'54"E	104.70'	24"	REW LINE
7	N56°54'54"E	99.97'	24"	REW LINE
8	Δ=317.33"	500.00'	24"	REW LINE

**CONSTRUCTION NOTES**

2 INSTALL BLOWOFF PER LVMWD STD DWG NO R-10

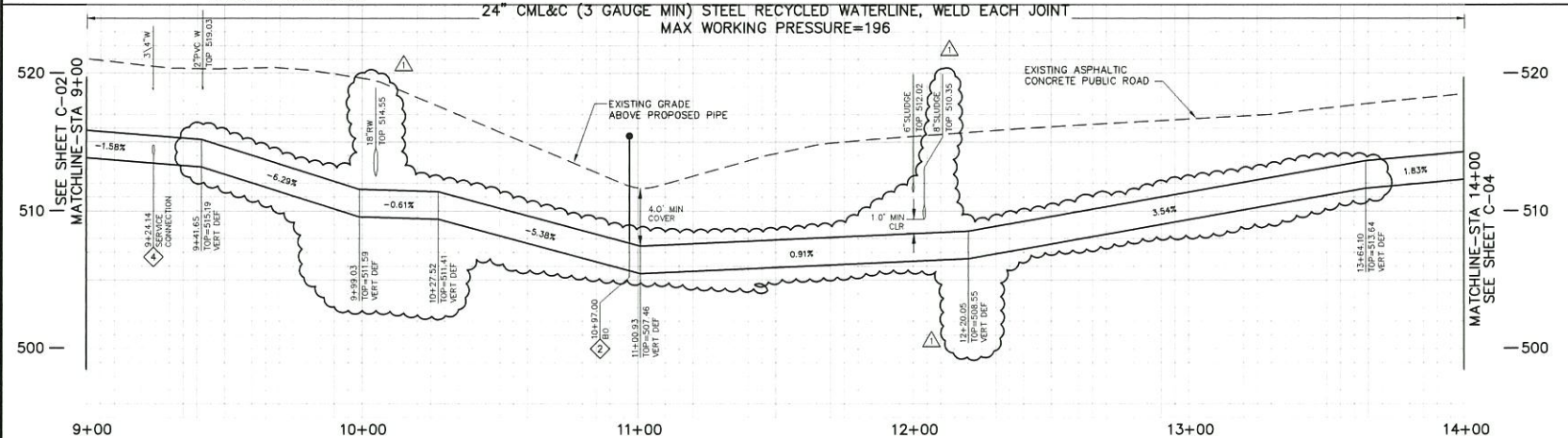
4 INSTALL 8" SADDLE OR TEE, APPROX. 17 LF OF 8" CML&C PIPE, AND CONNECT TO EXISTING 18" WITH HOT TAP, INCLUDE 8" GATE VALVE PER DISTRICT SPECIFICATIONS.

5 APPROXIMATE POTHOLE LOCATIONS. CONTRACTOR TO UTILIZE USA MARKING FOR ACTUAL STARTING POINT.

**PLAN**  
SCALE: 1"=20'

**NOTES:**

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**09532**      **C-03**

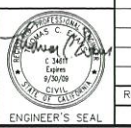
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LINE IS 1/8" THICK AT FULL SIZE IF NOT 2" - SCALE ACCORDINGLY

DESIGN: GLR & GB  
DRAWN: GB & NML  
CHECKED: TCE



ENGINEER'S NAME: DUDEK