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**Addendum No. 1
To Contract Documents and Specifications**

For

**Alternate Raw Water Transmission Line
FEMA-1952-DR-CA CA OES ID:059-91099**

Project No. 6177

November 18, 2016

This addendum is hereby made part of the Contract Documents and Specifications. Receipt of the Addendum shall be noted on the Bid Form. The following changes, additions, clarifications, or modifications shall be made to the Contract Documents and Specifications; all other conditions remain the same.

AGREEMENT

PAGE 1, SECTION 2.1

DELETE Section 2.1 in its entirety and REPLACE with the following:

"2.1 The work shall be substantially completed within 103 calendar days from the date of the Notice of Award."

SPECIAL PROVISIONS

**SECTION 00120 CONTRACT PROCEDURES AND MODIFICATIONS
ARTICLE 1.01 CONTRACT TIME**

DELETE second sentence in its entirety and REPLACE with the following:

"The Contractor shall substantially complete all of the work included in this Contract within 103 calendar days from the date of the Notice of Award".

SECTION 00200 THE WORK
ARTICLE 1.06 WORKING HOURS AND HOLIDAYS

DELETE the following: "Within the unpaved Riding and Hiking Trail: 9 a.m. to 4 p.m. Monday through Friday"

And REPLACE with:

"Within the unpaved Riding and Hiking Trail: 8 a.m. to 5 p.m. Monday through Friday"

GENERAL REQUIREMENTS

SECTION 01010 Summary of Work

SECTION 1.10: TRAFFIC CONTROL PLANS, Item I

DELETE I in its entirety and REPLACE with the following:

"Traffic signals shall remain in operation at all times. Conflicting traffic signal indications shall be covered, and signal operation during each construction phase shall be coordinated with and approved by the City Engineer. For signalized intersections, the Contractor shall repair the traffic loops within seven (7) calendar days from the time of disruption. Contractor shall coordinate with City at least two (2) working days prior to any work that will affect the operation of a traffic signal".

SECTION 1.19: WATER DISCHARGES

INSERT the following to the end of the first paragraph

"Along the hiking trail, there are two points of potential disposal locations. One is located on the Baker Plant facility and the second is located at the north end of the trail near XP Logistics. The Contractor is responsible for all pumping, storage and transport to these points. The maximum discharge rate allowable is 150 gallons per minute. All work must be coordinated with IRWD and TCWD two weeks prior to discharge. These locations are as shown in Attachment A at the END OF SECTION"

ATTACHMENT "A" is enclosed with this addendum.

SECTION 1.20: DEWATERING

INSERT the following to the end of the first paragraph

"Along the hiking trail, there are two points of potential disposal locations. One is located on the Baker Plant facility and the second is located at the north end of the trail near XP Logistics. The Contractor is responsible for all pumping, storage and transport to these points. The maximum discharge rate allowable is 150 gallons per minute. All work must be coordinated with IRWD

and TCWD two weeks prior to discharge. These locations are as shown in Attachment A at the END OF SECTION”

ATTACHMENT “A” is enclosed with this addendum.

PROJECT TECHNICAL SPECIFICATIONS

SECTION 15064: PVC PRESSURE DISTRIBUTION PIPE AND FITTINGS

PART 2 Section B Fittings, Item 4

DELETE the third sentence of the second paragraph in its entirety, “A restraint ring, incorporating a plurality of individually actuated gripping surfaces shall be used to grip the pipe, and a sufficient number of bolts shall be used to connect the bell ring and gripping ring.”

and REPLACE with the following:

“The restraint ring shall be comprised of a split ring that will provide full circumferential pipe restraint by tightening bolts on either side of the ring to engage the pipe with serrations or restrainer glands. Point Loads or wedge anchors directly acting on the pipe will not be allowed.”

SECTION 15100: MANUAL VALVES

PART 1 – Section C Valve Selection

DELETE the first sentence in its entirety and REPLACE with the following:

For valves larger than 12-inches in diameter, the Contract shall provide Class 250 butterfly valves.

PART 2– Section C Valve Boxes for Buried Valves, Item 3

DELETE “No Equal” at the end of the sentence

And REPLACE with

“or approved equal”

PLANS

Sheet C-502 Detail 1, REVISE Note 9, DELETE “Prism Place” and

REPLACE with

“Prism Place and Conway Western”

Sheet C-502 Detail 1, DELETE Note 14 in its entirety and

REPLACE with

"14. Trenches within the public right of way shall be ground full width of a travel lane."

QUESTIONS AND ANSWERS

Question: Who pays for the pre & during construction monitoring as required in the "Mitigation Measures & Monitoring" as spelled out in "Appendix H"?

Answer: Per General Notes 47, 48 and 49 on Sheet G-002, the District will provide the monitors.

Question: General Requirements: 1.11, Trail Detour plans, call for a detour plan by the contractor. However, TC-001 (Sheet 21 of 37) is a workable plan. Can we use this plan?

Answer: Per Note 2 on Sheet TC-001 the plan is provided as a schematic and not intended for construction. Per Section 01010 Part 1.11, the Contractor is responsible for preparing plans specific to their means and methods and set up along the trail. The plans shall be signed by a licensed Civil or Traffic Engineer. See Section 01010 Part 1.11 for all requirements.

Question: Sheet C-502 Detail 2 (Sheet 13 of 37), Note 4 references "unsuitable soil" between Sta 42+00 and 55+62. I don't see any reference to this in the soils report. Will this be paid as an "Extra" if required?

Answer: The detail instructs the Contractor to expect unsuitable soil within the limits stated. Unsuitable soil shall be handled in accordance with the specifications. No additional payment will be provided the Contractor for encountering unsuitable soil within the limits stated on the detail.

END OF ADDENDUM NO. 1



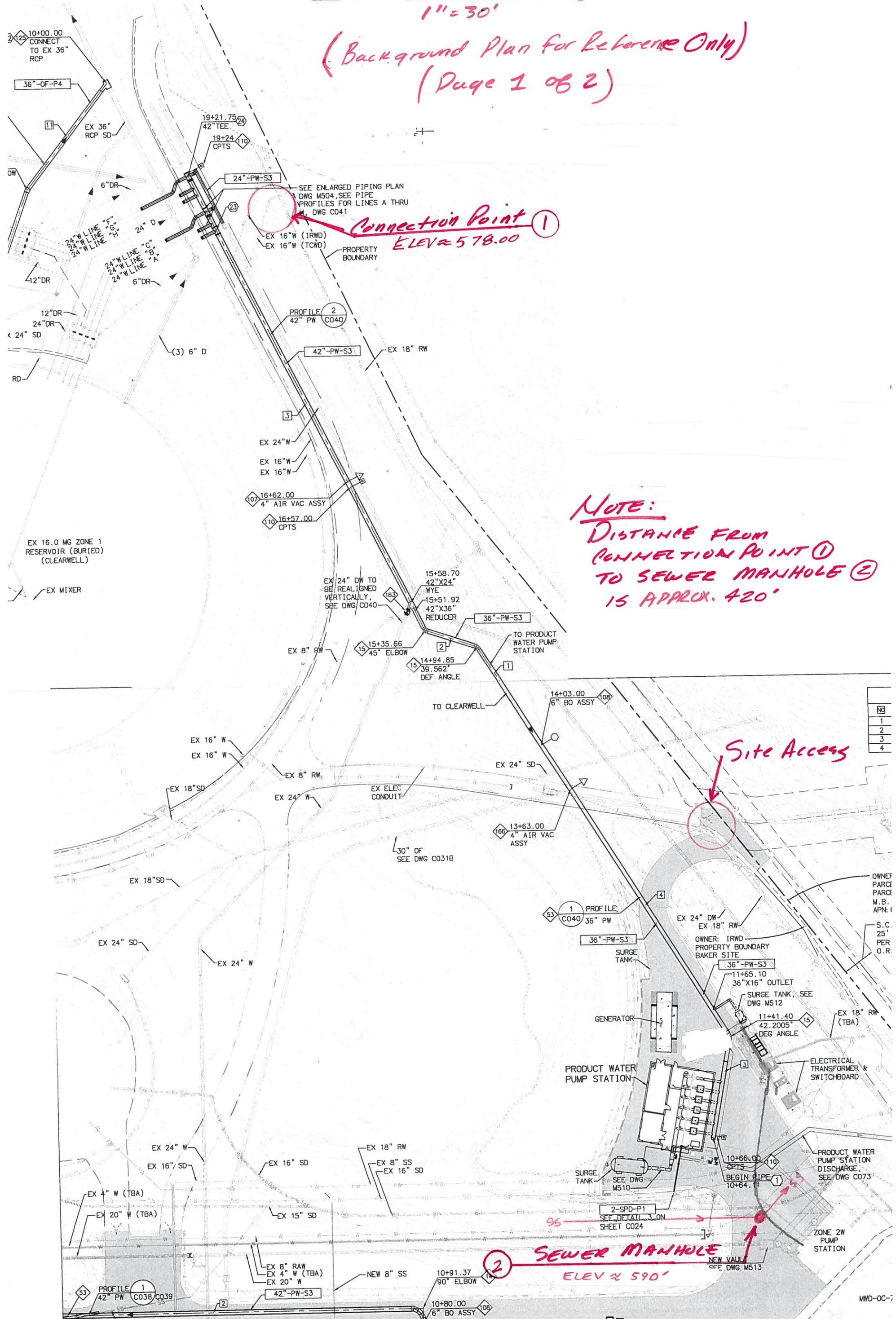
Lorrie Lausten, P.E.
Engineer

November 18, 2016

ATTACHMENT A

1" = 30'

(Background Plan for Reference Only)
(Page 1 of 2)



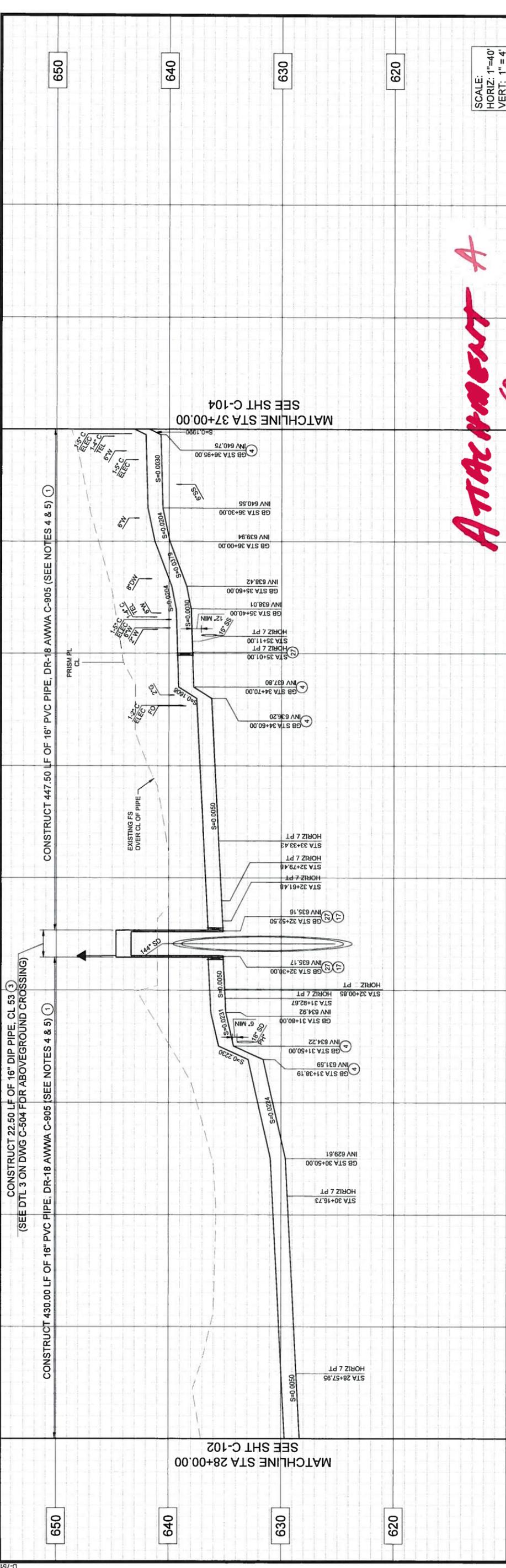
Connection Point 1
ELEV ≈ 578.00

NOTE:
DISTANCE FROM
CONNECTION POINT 1
TO SEWER MANHOLE 2
IS APPROX. 420'

Site Access

SEWER MANHOLE 2
ELEV ≈ 590'

NO
1
2
3
4



ATTACHMENT A

Page 2 of 2

SCALE:
HORIZ: 1"=40'
VERT: 1"=4'

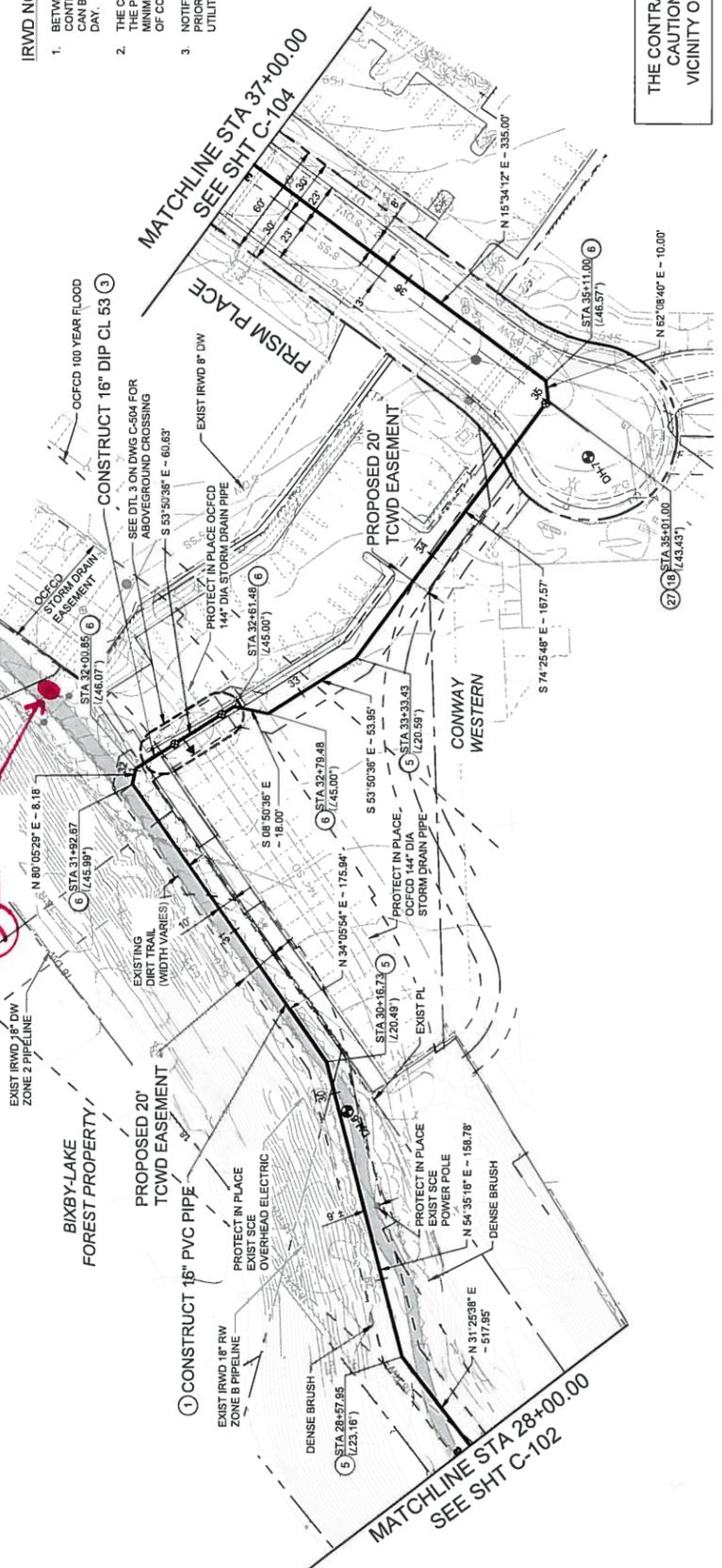
- IRWD NOTES:**
- BETWEEN STA 10+09 AND 28+56, THE CONTRACTOR SHALL ONLY EXCAVATE WHAT CAN BE INSTALLED AND BACKFILLED EACH DAY.
 - THE CONTRACTOR SHALL NOTIFY IRWD TO THE PRE-CONSTRUCTION MEETING, HELD A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
 - NOTIFY IRWD A MINIMUM OF 48 HOURS PRIOR TO CROSSING ANY IRWD OWNED UTILITIES.
- CONSTRUCTION NOTES**
- CONSTRUCT 16" PVC, DR 18 AWMA C-905 BACKFILL TRENCH PER DTL 2 ON SHT C-502
 - CONSTRUCT 16" DIP, CL 53
 - CONSTRUCT 16" 11.25 DEGREE DI BEND (MJ)
 - CONSTRUCT 16" 22.5 DEGREE DI BEND (MJ)
 - CONSTRUCT 16" 45 DEGREE DI BEND (MJ)
 - CONSTRUCT 16" 90 DEGREE DI BEND (MJ)
 - CONSTRUCT 16" 45 DEGREE DI BEND (FLG)
 - CONSTRUCT 16" 45 DEGREE DI BEND (FLG X MJ)
 - CONSTRUCT 16" BUTTERFLY VALVE (FLG X MJ) WITH VALVE BOX PER DETAIL 1 ON SHT C-504

- NOTES:**
- SEE SHEETS C-201 AND C-202 FOR THE TCWD EASEMENT AND CROSS SECTIONS ALONG THE PIPELINE ALIGNMENT.
 - PAVEMENT REPLACEMENT AND PIPELINE TRENCH SHALL BE PER DTL 1 AND 2 ON SHT C-502.
 - MINIMUM COVER OVER PIPE SHALL BE 42".
 - THE CONTRACTOR SHALL RESTRAIN ALL JOINTS.
 - THE CONTRACTOR SHALL ADHERE TO ALL ENVIRONMENTAL MITIGATION MEASURES LISTED IN THE PROJECT EIR. MITIGATION MEASURES CAN BE FOUND IN THE SPECIFICATIONS.
 - THE CONTRACTOR SHALL MAINTAIN ACCESS TO PUBLIC AND PRIVATE DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.

THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING IN THE VICINITY OF OVERHEAD POWER LINES



* PH - UTILITY WAS POTHOLED DURING THE PROJECT DESIGN PHASE



NO.	DATE	REVISIONS	APPROVED	DESIGN: KMB	DRAWN: WWPJ	CHECKED: MB
<p style="text-align: center;">TETRA TECH 17885 Van Kaman Ave, Suite 500 Irvine CA 92614 Phone: (949) 445-5000 Fax: (949) 805-5000</p>						
<p style="text-align: center;">TRABUCO CANYON WATER DISTRICT ALTERNATE RAW WATER TRANSMISSION LINE</p>						
<p style="text-align: center;">PROJECT MANAGER: MARK W. BUSH DISTRICT ENGINEER: CORINNE S. LAUTEN</p>						
<p style="text-align: center;">C-103 SHEET 7 OF 37 PLAN AND PROFILE STA 28+00 TO STA 37+00</p>						