## RUBIDOUX COMMUNITY SERVICES DISTRICT CONTRACT DOCUMENTS AND SPECIFICATIONS FOR MARKET STREET AND 24TH STREET PIPELINE RELOCATION

## ADDENDUM NO. 2

## PLEASE BE ADVISED:

The following clarifications, changes, additions, and/or corrections hereinafter set forth shall be incorporated into the project Contract Documents, and shall be made a part thereof, subject to all the requirements thereof, as if originally specified and/or shown.

**1. Reference:** Construction Drawings

**Replace** the Construction Drawings in their entirety with the Drawings attached hereto.

2. **Reference:** Construction Specifications, Special Requirements, Section 30, Pipeline Connections and Disinfection:

Add the following to the end of Section 30, Pipeline Connections and Disinfection:

Both connections to the existing pipeline will be accomplished at night, during low water demand. Both connections will be accomplished during the same 8-hour work period. Contractor shall notify the District two (2) weeks in advance of the planned connection work and also provide 48 hour and 24 hour advance confirmation of when the work will be performed.

The Contractor shall be responsible for dewatering, dechlorination, and disposal of all water from the pipeline connection work, in addition to testing/flushing activities. Discharge of all water must abide by the District's NPDES permit which limits the total residual chlorine to a maximum concentration of 0.1 mg/l.

Contractor should not expect valves to shut completely (100%). Contractor shall also protect existing water pipelines during connection procedures.

Contractor must coordinate with the District to dewater the existing water system and complete all specified connections to existing water pipelines within the allowable shut-down period. To facilitate completing all connection work and minimize shut-down time, Contractor shall excavate connection points and install trench plates in advance of any connection work. Contractor shall have all pipe materials and fittings ready, on-site, and assembled prior to starting connection work. In addition, pipeline must have passed all required testing prior to any tie-in work. Contractor shall provide all necessary notifications to RCSD inspector and City of Jurupa Valley inspector for all night time work.

All costs associated with connection work shall be included in respective bid items for connection work (Bid Items 107 and 108) and no additional compensation shall be allowed.

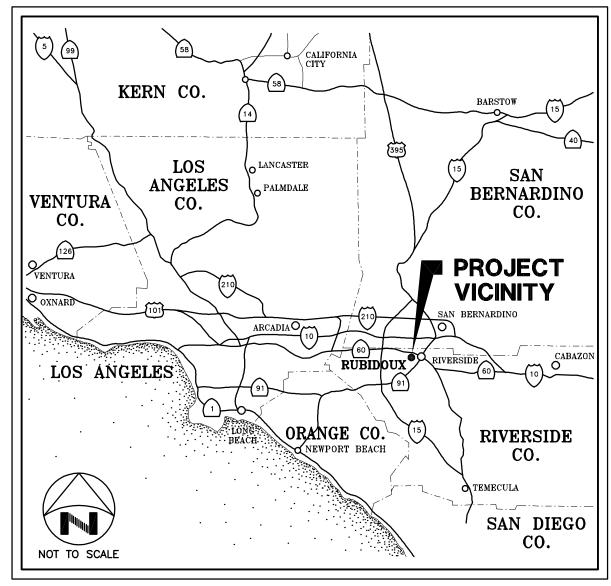


Date: April 5, 2023

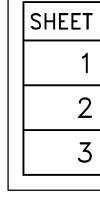
Bidder hereby acknowledges receipt of Addendum No. 2 and the incorporation thereof in Bid Proposal for the Market Street and 24th Street Pipeline Relocation.

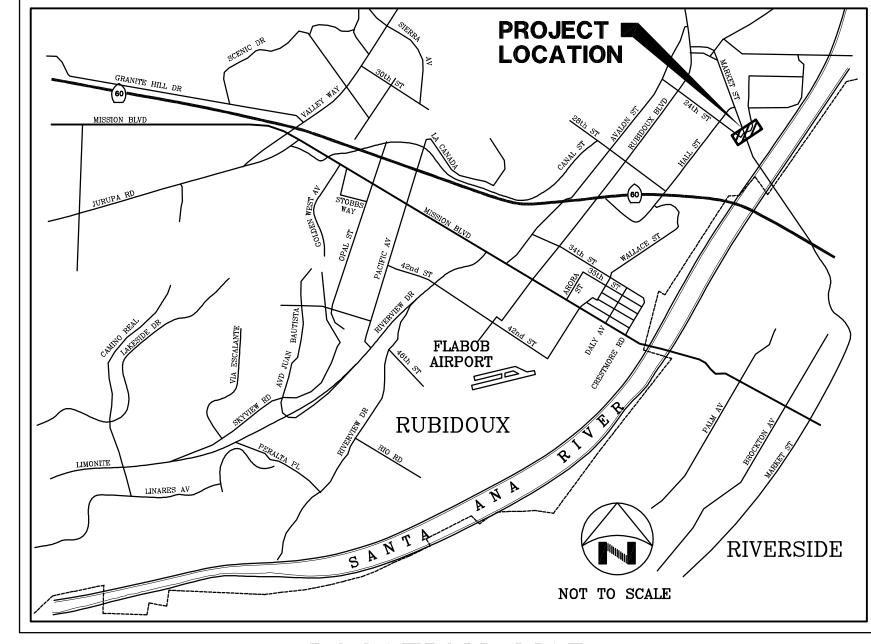
Bidder:		By:	
		•	(Bidder's Authorized Representative)
Date:		Title:	
587/19P62-ADD-2.0	loc		
Attachments:	Construction Drawings, Sheets 1 thro	ough 3	

# RUBIDOUX COMMUNITY SERVICES DISTRICT MARKET STREET AND 24TH STREET PIPELINE RELOCATION



VICINITY MAP





# LOCATION MAP



. NO.: 587-19p62\_s1 FILE NO.: 587-19.62 UPDATE BY: ТМW PROJ. ENG.: SS PLOT DATE: 03/17/23 PLOT TIME: 6:31AM PLOT SCALE:

DRAWING INDEX

T No.	DESCRIPTION							
1	TITLE SHEET, LOCATION AND VICINITY MAPS, DRAWING INDEX, AND LEGEND							
2	CONSTRUCTION NOTES							
3	PLAN AND PROFILE - STA.10+05.0± TO STA.12+06.0±							

JX COMMUNITY SERVICES DISTRICT					2)221104	
					HUSA SAP CH	KRIEGER & STEW Engineering Consul
VED BY					S ( No. 65367 )	3602 University Avenue • Riverside, CA 92
TED BECKWITH, RCE No.48798 DIRECTOR OF ENGINEERING					* CIVIL int	www.kriegerandstewart.com • 951 • 684 • 69
					OF CALIFORNI	APPROVED BY
	SYM	REVISIONS	DATE	BY		REGISTERED ENGINEER No. 65367 DATE

SYMBOL	DESCRIPTION							
//_	EXISTING EDGE OF PAVEMENT							
- — — <del>W-</del> — –	EXISTING WATERLINE							
<del>-</del>	EXISTING ELECTRICAL FACILITY							
– –E·(⊖H)· –	EXISTING OVERHEAD ELECTRICAL FACILITY							
<u> </u>	EXISTING GAS FACILITY							
<u>S-</u>	EXISTING SEWER FACILITY							
—÷- <del>S</del> F₩÷—	EXISTING SEWER FORCE MAIN FACILITY							
<del>S</del> Ð	EXISTING STORM DRAIN FACILITY							
Ŧ	EXISTING TELEPHONE FACILITY							
F/ <del>0</del>	EXISTING FIBER OPTIC FACILITY							
	EXISTING TELEPHONE MANHOLE							
	EXISTING POWER POLE							
— <del>R/W</del> —	EXISTING RIGHT-OF-WAY							
	PROPOSED PIPELINE							
$\ominus$	UTILITY INTERFERENCE FLAG. APPROXIMATE LOCATION OF INTERFERENCE WITH TYPE OF UTILITY INDICATED BY ABBREVIATION: CATV– CABLE TV, E– ELECTRIC, G– GAS, S– SEWER, SD– STORM DRAIN, T– TELEPHONE, TR– TRAFFIC, AND W– WATER.							
DIP	DUCTILE IRON PIPE							

VART	SCALE AS SHOWN	RUBIDOUX COMMUNITY SERVICES DISTRICT	SHEET			
VAR I FIELD BOOK   ultants N/A   DESIGN MARKET STREET AND 24TH STREET   D2501 SS						
6900	DRAWN SPK	TITLE SHEET, LOCATION AND VICINITY	OF 3 SHEETS			
03/16/23	CHECKED 	MAPS, DRAWING INDEX, AND LEGEND	<b>R.C.S.D. PLAN No.</b> 587-19.62			

# 1. PUBLIC STREETS (CITY OF JURUPA VALLEY)

CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FROM THE CITY OF JURUPA VALLEY FOR CONSTRUCTION AND SHALL PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE PROVISIONS OF SAID PERMIT. CONTRACTOR SHALL MAINTAIN AT LEAST ONE COPY OF SAID PERMIT ON THE JOBSITE AT ALL TIMES. DISTRICT WILL NOT ACCEPT THE CONTRACT WORK UNTIL CONTRACTOR HAS SUBMITTED A WRITTEN STATEMENT OF COMPLIANCE ISSUED BY THE CITY OF JURUPA VALLEY ADVISING THAT THE CONTRACTOR HAS COMPLIED WITH ALL CITY REQUIREMENTS AND THAT THE COMPLETED WORK IS ACCEPTABLE.

# 2. NOTIFICATIONS

AT LEAST FIVE WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR SHALL NOTIFY THE CITY OF JURUPA VALLEY OF THE IMPENDING WORK. CONTRACTOR SHALL NOTIFY ALL RESIDENTS AND COMMERCIAL ESTABLISHMENTS IN THE VICINITY OF THE WORK OF IMPENDING WORK AT LEAST SEVEN (7) DAYS PRIOR TO BEGINNING CONSTRUCTION. SAID NOTICES SHALL CONTAIN THE GENERAL DESCRIPTION OF THE WORK, DATES WORK WILL BE PERFORMED, AND NAMES OF STREETS WHERE TRAVEL AND PARKING WILL BE RESTRICTED. IF DISTRICT OR CITY RECEIVE COMPLAINTS FROM INDIVIDUALS AFFECTED BY PROJECT, CONTRACTOR SHALL TAKE IMMEDIATE ACTION TO CORRECT SAME AS DIRECTED BY THE DISTRICT. IF CONTRACTOR RECEIVES COMPLAINTS DIRECTLY, CONTRACTOR SHALL REPORT SAME IMMEDIATELY TO THE DISTRICT. THEREAFTER, CONTRACTOR SHALL TAKE IMMEDIATE ACTION TO CORRECT SAME AS DIRECTED BY DISTRICT.

# 3. UTILITIES

ALL LOCATIONS OF EXISTING UTILITIES ARE BASED ON THE RECORD DRAWINGS FOR EXISTING 16" WATERLINE. CONTRACTOR SHALL PROTECT IN PLACE ALL EXISTING UTILITIES AND EXISTING PUBLIC AND PRIVATE IMPROVEMENTS.

# EXISTING WATERLINE

EXISTING WATERLINE SHALL REMAIN IN SERVICE DURING CONSTRUCTION. THEREFORE CONTRACTOR SHALL PROTECT SAID FACILITIES IN PLACE BY ANY METHOD CONTRACTOR DEEMS NECESSARY AND AS APPROVED BY DISTRICT.

# 5. PIPELINE MATERIALS

PIPELINE MATERIALS SHOULD BE CLASS 250 DUCTILE IRON PIPE AND FITTINGS. ALL PIPE SHALL BE CEMENT MORTAR LINED, DOUBLE THICKNESS, AND BITUMASTIC COATING SHALL NOT BE APPLIED OVER THE CEMENT LINING.

# 6. EXCAVATION, BEDDING, AND BACKFILL

CONTRACTOR IS ADVISED THAT ROCK OF AN ACCEPTABLE TRENCH BACKFILL MATERIAL MAY BE ENCOUNTERED DURING TRENCHING OPERATIONS. WHERE SUCH MATERIALS ARE ENCOUNTERED. CONTRACTOR SHALL FURNISH AND INSTALL SUITABLE BEDDING MATERIAL AT NO ADDITIONAL COST TO THE DISTRICT. PIPE ZONE MATERIAL SHALL BE COMMERCIAL IMPORTED MATERIAL AND BACKFILL MATERIAL SHALL BE SELECT NATIVE MATERIAL. ALL ROCK OF UNACCEPTABLE TRENCH BACKFILL MATERIAL SHALL BE HAULED TO AND DISCARDED AT A LEGAL DISPOSAL SITE.

# 7. TRAFFIC CONTROL

- A. CONTRACTOR SHALL PREPARE TRAFFIC CONTROL DRAWINGS AND OBTAIN APPROVAL OF SAME FROM CITY OF JURUPA VALLEY. ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH APPROVED CONTROL DRAWINGS AND MAY BE MODIFIED BY DISTRICT OR CITY AS CONDITIONS WARRANT. AS A MINIMUM, ALL CONSTRUCTION SIGNING, LIGHTING, AND BARRICADES SHALL COMPLY WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES". LATEST EDITION.
- B. WORK HOURS. ALL WORK SHALL BE PERFORMED BETWEEN THE HOURS OF 7:00 AM AND 5:00 PM, SUBJECT TO RESTRICTIONS STIPULATED IN THE ENCROACHMENT PERMIT FOR CROSSING MARKET STREET.

VERIFY SCALES	RUBIDOUX COMMUNITY SERVICES DISTRICT							AS SHOWN	RUBIDOUX COMMUNITY SERVICES DISTRICT	SHEET
						PROFESSIONA	KRIEGER & STEWART			
BAR IS ONE INCH ON ORIGINAL DRAWING						AL CINISA SAPIS	Engineering Consultants	FIELD BOOK	MARKET STREET AND 24TH STREET	2
0	APPROVED BY					1038 No. 65367		DESIGN	PIPELINE RELOCATION	
	TED BECKWITH, RCE No.48798						3602 University Avenue • Riverside, CA 92501			
IF NOT ONE INCH ON THIS SHEET, ADJUST	DIRECTOR OF ENGINEERING					Se CIVIL	www.kriegerandstewart.com • 951 · 684 · 6900	DRAWN		OF 3 SHEETS
SCALES ACCORDINGLY						STATE OF CALIFORNIT	APPROVED BY		CONSTRUCTION NOTES	
SCALES ACCONDINGET	DATE	SYM	REVISIONS	DATE	BY		REGISTERED ENGINEER No. 65367 DATE 03/16/23	CHECKED SS		R.C.S.D. PLAN No.
										587-19.62

# **CONSTRUCTION NOTES**

### RESTORATION REQUIREMENTS 8.

CONTRACTOR SHALL PROTECT IN PLACE OR REMOVE AND REPLACE ALL EXISTING UTILITIES AND PUBLIC AND PRIVATE IMPROVEMENTS. CURB, GUTTER, AND SIDEWALK SHALL BE REPLACED IN COMPLETE PANELS BETWEEN CONSTRUCTION JOINTS. CONTRACTOR SHALL, AS A MINIMUM, HAVE ACCOMPLISHED BY THE END OF EACH WORKDAY, THE FOLLOWING:

- REMOVE ALL DEBRIS, CONSTRUCTION MATERIALS, AND EQUIPMENT FROM Α. PUBLIC STREETS AND PRIVATE PROPERTY.
- FILL ALL EXCAVATION WITH COMPACTED BACKFILL AND PLACE 2" MINIMUM TEMPORARY ASPHALT CONCRETE PAVEMENT IN ALL AREAS WHERE PAVING WAS REMOVED. SAID PAVEMENT SHALL BE COMPACTED, ROLLED SMOOTH WITH ROLLER AND FLUSH WITH ADJACENT PAVEMENT SUFFICIENT TO SUPPORT TRAFFIC. IF APPROVED BY DISTRICT AND CITY, CONTRACTOR MAY USE TRAFFIC PLATES TO COVER PORTIONS OF TRENCH EACH DAY. TRAFFIC PLATES SHALL BE RECESSED FLUSH WITH ADJACENT PAVEMENT, TACK WELDED TOGETHER. CONSIST OF NON-SKID SURFACES. AND COMPLY WITH CITY PERMIT REQUIREMENTS.
- CLEAN ALL STREETS. DRIVEWAYS. SIDEWALKS. GUTTERS AND ALL OTHER WORK C. AREAS.
- PLACE TEMPORARY TRAFFIC STRIPING. D.
- Ε. REMOVE TRAFFIC CONTROL AND OPEN STREETS FOR TRAFFIC.

CONTRACTOR SHALL INSPECT ENTIRE JOBSITE AT LEASE ONCE EACH DAY, INCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS AND CORRECT ANY TRAFFIC, PAVEMENT, OR BACKFILL DEFICIENCIES AND SHALL MAINTAIN STREETS IN GOOD REPAIR.

# 9. PERMANENT ASPHALT CONCRETE PAVEMENT

PERMANENT ASPHALT CONCRETE PAVEMENT SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF CITY OF JURUPA VALLEY ENCROACHMENT PERMIT.

### PREPARATION Α.

CONTRACTOR SHALL SAWCUT PAVEMENT EDGES TO STRAIGHT, VERTICAL EDGES, EITHER PARALLEL OR PERPENDICULAR TO THE TRENCH. CONTRACTOR SHALL EXCAVATE UNDERLYING 12" OF SUBGRADE AND COMPACT TO 95% RELATIVE COMPACTION MINIMUM.

В. THICKNESS

> PERMANENT ASPHALT CONCRETE PAVEMENT SHALL CONSIST OF EITHER 6" ASPHALT CONCRETE OVER 6" CLASS II AGGREGATE BASE OR COMPLY WITH CITY OF JURUPA VALLEY ENCROACHMENT PERMIT.

# C. TRAFFIC SIGNING AND STRIPING

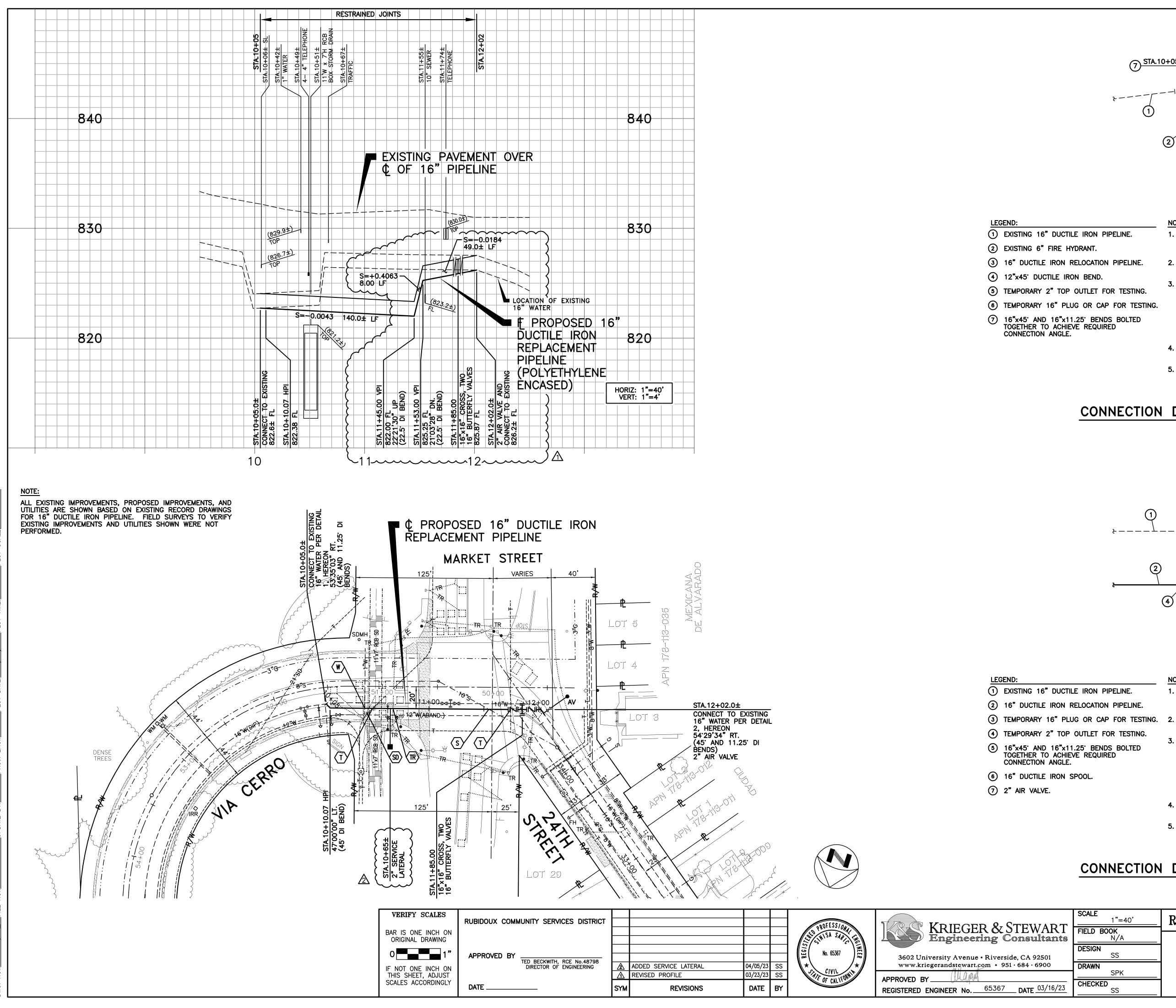
CONTRACTOR SHALL PROTECT ALL EXISTING TRAFFIC SIGNAL SIGNS. ALL TRAFFIC STRIPING AND PAVEMENT MARKINGS DAMAGED OR DESTROYED DURING CONSTRUCTION SHALL BE REPLACED. WITHIN THREE (3) WORKING DAYS OF PLACEMENT OF FINAL ASPHALT CONCRETE PAVEMENT, ALL TRAFFIC STRIPING AND PAVEMENT MARKINGS SHALL BE PERMANENTLY RESTORED OR REPLACED IN ACCORDANCE WITH CITY OF JURUPA VALLEY ENCROACHMENT PERMIT.

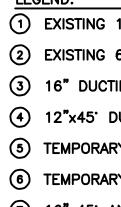
D. TRAFFIC LOOPS

ANY TRAFFIC LOOPS, DETECTORS, OR CONDUITS DAMAGED OR DESTROYED SHALL BE REPLACED BY CONTRACTOR WITHIN SEVENTY TWO (72) HOURS. TEMPORARY REPAIR OF TRAFFIC LOOPS AND DETECTORS IS ACCEPTABLE UNTIL PLACEMENT OF FINAL ASPHALT CONCRETE PAVEMENT. ALL WORK SHALL BE IN ACCORDANCE WITH CITY OF JURUPA VALLEY PERMIT AND STANDARDS.

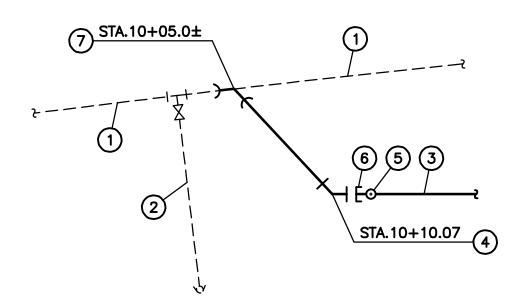
## DISINFECTION AND TESTING PROCEDURE

PIPELINE, FITTINGS, AND APPURTENANCES SHALL BE TESTED AT 225 PSI MAXIMUM. PIPELINE SHALL BE FILLED FROM EXISTING FIRE HYDRANT THROUGH 2" TOP OUTLET AT WESTERLY END. CONTRACTOR SHALL OBTAIN, AND PAY FOR, CONSTRUCTION METER FROM THE DISTRICT. CONTRACTOR SHALL PROVIDE ALL NECESSARY MEANS TO CONVEY WATER TO SAID OUTLET. CONTRACTOR SHALL DISINFECT THE PIPELINE BY INTRODUCING CHLORINE THROUGH SAID OUTLET. AFTER CHLORINATED WATER HAS BEEN MAINTAINED IN THE PIPELINE FOR A PERIOD OF 24 HOURS, CONTRACTOR SHALL PERFORM HYDROSTATIC AND LEAKAGE TESTS. LEAKAGE TEST PRESSURE SHALL BE 150 PSI. AFTER PIPELINE HAS PASSED HYDROSTATIC AND LEAKAGE TESTS, CHLORINE RESIDUAL SAMPLES SHALL BE TAKEN AT 2" TOP OUTLETS AT BOTH ENDS. CHLORINE RESIDUAL SAMPLES SHALL BE 25 PPM MINIMUM. AFTER SAID CHLORINE RESIDUAL REQUIREMENTS HAVE BEEN SATISFIED, CONTRACTOR SHALL FLUSH THE PIPELINE. TESTING WATER SHALL BE DECHLORINATED TO 0.1 PPM BEFORE BEING DISCHARGED TO EXISTING STORM DRAIN. CONTRACTOR SHALL PROTECT ALL PROPERTIES FROM FLOODING AND OTHER DAMAGE DURING FLUSHING OPERATIONS. THEREAFTER, CONTRACTOR SHALL TAKE BACTERIOLOGICAL SAMPLES IN ACCORDANCE WITH AWWA C651 STANDARD, LATEST EDITION.





APPROVED BY	
REGISTERED ENGINEER I	No. 65367 DATE

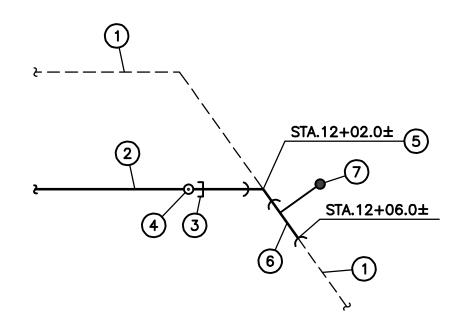




## NOTES:

- (1) EXISTING 16" DUCTILE IRON PIPELINE.
- (3) 16" DUCTILE IRON RELOCATION PIPELINE. (4) 12"x45' DUCTILE IRON BEND.
- (5) TEMPORARY 2" TOP OUTLET FOR TESTING. (6) TEMPORARY 16" PLUG OR CAP FOR TESTING.
  - TOGETHER TO ACHIEVE REQUIRED
- PRIOR TO CONSTRUCTION, CONTRACTOR SHALL EXCAVATE AND EXPOSE EXISTING 16" DUCTILE IRON PIPELINE AT CONNECTION POINT TO DETERMINE ITS EXACT LOCATION (HORIZONTAL AND VERTICAL), DIAMETER, AND MATERIAL.
- 2. CONTRACTOR SHALL BEGIN CONSTRUCTION WITH TEMPORARY 16" MJ PLUG OR CAP AND 2" TOP OUTLET FOR TESTING.
- 3. AFTER 16" PIPELINE HAS BEEN TESTED AND DISINFECTED BY CONTRACTOR AND ACCEPTED BY DISTRICT, THE DISTRICT WILL CLOSE EXISTING VALVE TO ISOLATE THE CONNECTION LOCATION. THEREAFTER, CONTRACTOR SHALL CUT AND REMOVE PORTION OF EXISTING 16" PIPELINE AS REQUIRED FOR CONNECTION WORK. DEWATER EXISTING AND PROPOSED PIPELINES SO THAT NO OPEN END OF THE EXISTING OR PROPOSED PIPELINE BECOME SUBMERGED, PLUG 2" TOP OUTLET, AND INSTALL 16" CONNECTION TO EXISTING SYSTEM WITH RESTRAINED JOINTS, INCLUDING ALL FITTINGS AND PIPING.
- 4. CONNECTION PIPING AND FITTINGS SHALL BE KEPT CLEAN DURING INSTALLATION AND SHALL BE SWABBED WITH CHLORINE SOLUTION BEFORE INSTALLATION.
- 5. CONTRACTOR SHALL FURNISH ALL SURVEYING AND MEASUREMENTS REQUIRED TO DETERMINE EXACT LOCATION, DIAMETER, AND ALIGNMENT OF EXISTING 16" PIPELINE AT CONNECTED POINTS.

# CONNECTION DETAIL 1 AT STA.10+05.0 $\pm$ N.T.S.





# NOTES:

- PRIOR TO CONSTRUCTION, CONTRACTOR SHALL EXCAVATE AND EXPOSE EXISTING 16" DUCTILE IRON PIPELINE AT CONNECTION POINT TO DETERMINE ITS EXACT LOCATION (HORIZONTAL AND VERTICAL), DIAMETER, AND MATERIAL.
- CONTRACTOR SHALL END CONSTRUCTION WITH TEMPORARY 16" MJ PLUG OR CAP AND 2" TOP OUTLET FOR TESTING.
- 3. AFTER 16" PIPELINE HAS BEEN TESTED AND DISINFECTED BY CONTRACTOR AND ACCEPTED BY DISTRICT, THE DISTRICT WILL CLOSE EXISTING VALVE TO ISOLATE THE CONNECTION LOCATION. THEREAFTER, CONTRACTOR SHALL CUT AND REMOVE PORTION OF EXISTING 16" PIPELINE AS REQUIRED FOR CONNECTION WORK, DEWATER EXISTING AND PROPOSED PIPELINES SO THAT NO OPEN END OF THE EXISTING OR PROPOSED PIPELINE BECOME SUBMERGED, PLUG 2" TOP OUTLET, AND INSTALL 16" CONNECTION TO EXISTING SYSTEM WITH RESTRAINED JOINTS, INCLUDING AIR VALVE AND ALL FITTINGS AND PIPING.
- 4. CONNECTION PIPING AND FITTINGS SHALL BE KEPT CLEAN DURING INSTALLATION AND SHALL BE SWABBED WITH CHLORINE SOLUTION BEFORE INSTALLATION.
- 5. CONTRACTOR SHALL FURNISH ALL SURVEYING AND MEASUREMENTS REQUIRED TO DETERMINE EXACT LOCATION, DIAMETER, AND ALIGNMENT OF EXISTING 16" PIPELINE AT CONNECTED POINTS.

# CONNECTION DETAIL 2 AT STA.12+06.0±

N.T.S.

SCALE SHEET RUBIDOUX COMMUNITY SERVICES DISTRICT 1"=40' 3 N/A MARKET STREET AND 24TH STREET DESIGN PIPELINE RELOCATION SS DRAWN PLAN AND PROFILE OF 3 SHEETS SPK STA.10+05.0± TO STA.12+06.0± CHECKED 03/16/23 SS R.C.S.D. PLAN No 587-19.62

(4) TEMPORARY 2" TOP OUTLET FOR TESTING. (5) 16"x45' AND 16"x11.25' BENDS BOLTED TOGETHER TO ACHIEVE REQUIRED CONNECTION ANGLE. 6 16" DUCTILE IRON SPOOL.