

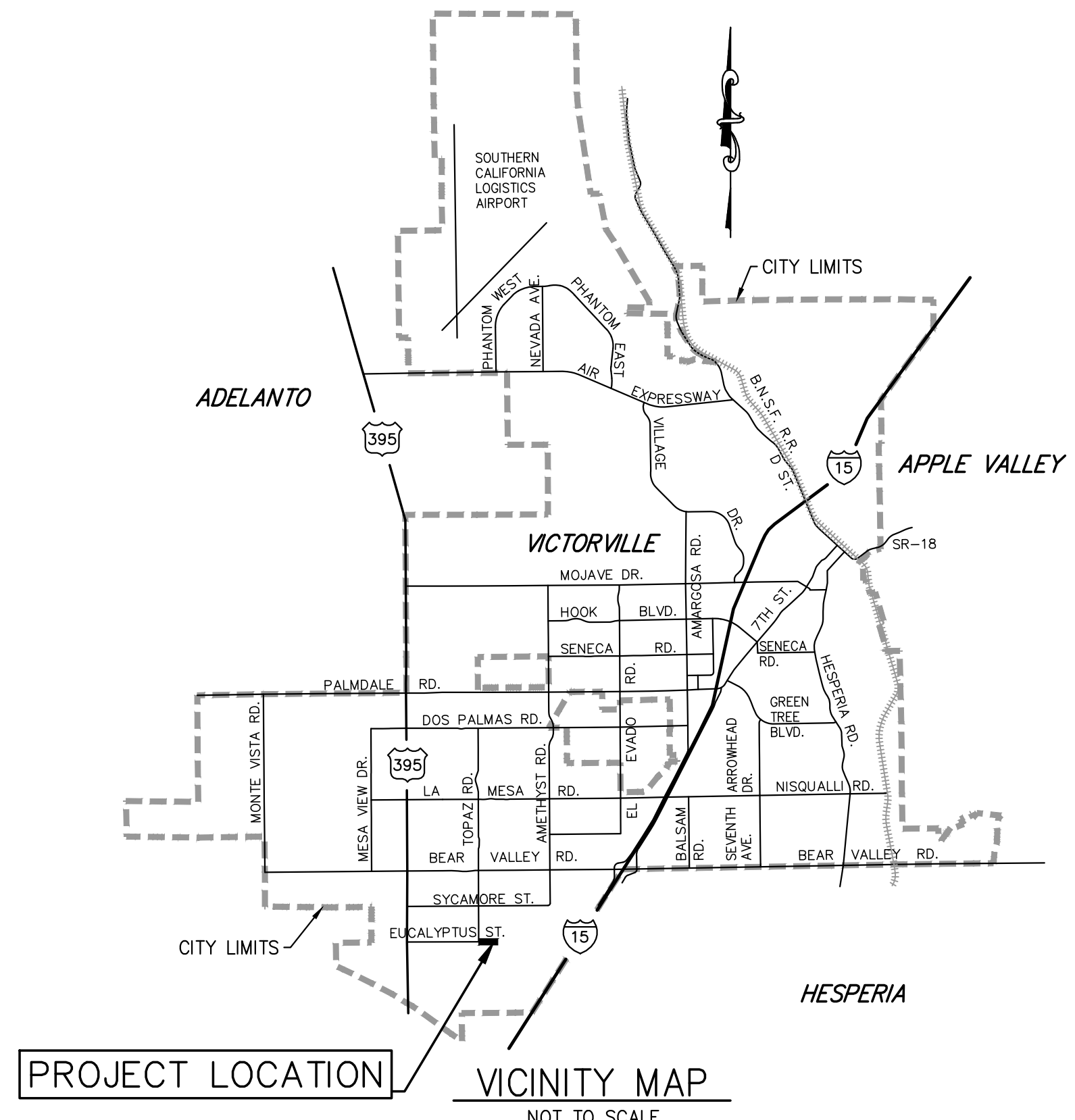
CITY OF VICTORVILLE WATER IMPROVEMENT PLAN EUCALYPTUS ROAD – 8 INCH WATER PIPELINE REALIGNMENT

WATER GENERAL NOTES:

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THESE PLANS, SPECIAL PROVISIONS, AND THE MOST CURRENT EDITION OF THE CITY OF VICTORVILLE STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS.
2. THE CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THE REQUIREMENT SHALL APPLY CONTINUALLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE CITY OF VICTORVILLE HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT SURVEYING MONUMENTS IN PLACE, AND THE CONTRACTOR SHALL BE FINANCIALLY RESPONSIBLE FOR RESETTING DAMAGED OR DESTROYED MONUMENTS.
4. THE CONTRACTOR SHALL HAVE A CURRENT CALIFORNIA CLASS A AND/OR C34 PIPELINE CONTRACTOR'S LICENSE.
5. THE CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT AT 1-800-422-4133 TO LOCATE EXISTING UTILITIES AT LEAST TWO (2) WORKING DAYS BEFORE ANY EXCAVATION. ALL PIPELINES SUBSTRUCTURES OR UTILITIES OF ANY KIND, WHETHER SHOWN ON THESE PLANS OR NOT, SHALL BE PROTECTED IN PLACE AND REMAIN OPERATIONAL DURING CONSTRUCTION. IF REQUIRED, SUCH FACILITIES SHALL BE REMOVED, RELOCATED OR REINFORCED TO THE SATISFACTION OF THE CITY ENGINEER AND THE COMPANY OWNING THE FACILITY.
6. THE CONTRACTOR SHALL POTHOLE AND LOCATE ALL EXISTING UTILITIES PRIOR TO THE PREPARATION OF SHOP DRAWINGS IN ACCORDANCE WITH SECTION C OF THE SPECIFICATIONS THE CONTRACTOR SHALL BE LIABLE FOR ANY ADDITIONAL COST REQUIRED IN THE EVENT THAT THE EXISTING UTILITIES ARE NOT ACCURATELY LOCATED. ANY NECESSARY CHANGES OF WATERLINE DEPTH OR ALIGNMENT DURING CONSTRUCTION SHALL BE IMMEDIATELY REPORTED TO THE CITY ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONTINUANCE OF CONSTRUCTION. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE CITY ENGINEER.
7. THE CONTRACTOR SHALL GIVE THE CITY OF VICTORVILLE ENGINEERING DEPARTMENT AT LEAST ONE WORKING DAY ADVANCE NOTICE PRIOR TO ALL INSPECTION REQUESTS AT 760-955-5158.
8. THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER AT LEAST 4 WORKING DAYS PRIOR TO PERFORMING WORK THAT REQUIRES A SHUT-DOWN OF ANY PORTION OF THE CITY WATER SYSTEM. SHUT-DOWNS WILL BE PERFORMED BY CITY STAFF ONLY. THE CONTRACTOR IS PROHIBITED FROM OPERATING WATER VALVES.
9. THE CITY WILL BE RESPONSIBLE FOR PROVIDING SOIL TESTING, COMPACTION TESTING AND CONSTRUCTION STAKING IN ACCORDANCE WITH THE SPECIFICATION. CONTRACTOR SHALL SUBMIT ALL REQUESTS 48 WORKING HOURS IN ADVANCE.
10. CONSTRUCTION TRAFFIC CONTROL, TEMPORARY STRIPING AND SIGNING SHALL BE PROVIDED BY THE CONTRACTOR IN ACCORDANCE WITH CALTRANS TRAFFIC MANUAL AND AS APPROVED BY THE CITY ENGINEER. TRAFFIC CONTROL PLANS MUST BE SUBMITTED TO THE CITY ENGINEERING DEPARTMENT AND APPROVED PRIOR TO CONSTRUCTION.
11. ACCESS TO ALL DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES EXCEPT WHEN PRECLUDED BY NECESSARY CONSTRUCTION FOR A REASONABLE PERIOD OF TIME AS APPROVED BY THE CITY ENGINEER.
12. ALL TRAFFIC CONTROL DEVICES, ROAD SIGNS AND MARKERS TO BE REPLACED, REMOVED OR RELOCATED SHALL BE PRE-APPROVED SIGNING AND STRIPING PLANS.
13. THE CONTRACTOR SHALL GRADE, COMPACT AND MATCH ALL EXISTING DRIVEWAY/ROAD TO THE FINISHED ROAD ELEVATIONS WITHOUT IMPEDING ANY NATURAL DRAINAGE FLOW.
14. THE CONTRACTOR SHALL REMOVE FROM THE VICINITY OF THE COMPLETED WORK ALL PLANTS, BUILDING RUBBISH, UNUSED MATERIALS, CONCRETE FORMS AND EQUIPMENT BELONGING TO HIM/HER OR USED UNDER HIS/HER DIRECTION DURING CONSTRUCTION BEFORE ACCEPTANCE OF WORK BY THE CITY OF VICTORVILLE.
15. UNLESS IDENTIFIED ON THE PLANS AS SALVAGE, SURPLUS AND ALL MATERIAL REMOVED WHICH IS NOT SUITABLE FOR USE IN THIS PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF AWAY FROM THE JOB SITE IN A MANNER AND AT A LOCATION ACCEPTABLE TO ALL COGNIZANT AGENCIES.
16. THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER OF ANY DISCREPANCIES OR UNUSUAL CONDITIONS NOTED ON THE PLANS, DETAILS OR CONSTRUCTION NOTES PRIOR TO FINALIZATION OF THE BIDS AND COMMENCEMENT OF ANY CONSTRUCTION.
17. THE CONTRACTOR SHALL CONFINE ALL OF HIS ACTIVITIES TO THE AREAS WITHIN THE EXISTING AND PROPOSED STREET RIGHT-OF-WAY OR EASEMENTS SHOWN ON THESE PLANS UNLESS HE/SHE OBTAINS WRITTEN CONSENT FROM THE AFFECTED PROPERTY OWNER.
18. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO OBTAIN ANY PERMITS REQUIRED BY THE CITY OF VICTORVILLE ENGINEERING DEPARTMENT AND/OR OTHER APPLICABLE AGENCIES TO DO THE WORK SHOWN ON THESE PLANS.
19. STATIONS SHOWN ON THE PLANS ARE AT THE CENTERLINE OF THE PIPELINE.
20. JOSHUA TREES SHALL BE PROTECTED IN PLACE OR RELOCATED AS APPROVED BY THE PARKS DIVISION OF THE CITY OF VICTORVILLE DEPARTMENT OF COMMUNITY SERVICES AT THE CONTRACTOR'S EXPENSE.
21. TRENCHES SHALL NOT BE BACKFILLED UNTIL AUTHORIZED BY THE PUBLIC WORKS INSPECTOR.
22. ANY TEMPORARY MATERIALS USED FOR TESTING, FLUSHING, DISINFECTION OR OTHER ACTIVITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUBJECT TO APPROVAL BY THE PUBLIC WORKS INSPECTOR.
23. THE CONTRACTOR SHALL REPLACE IN KIND ANY PAVING, CURB AND GUTTER OR OTHER IMPROVEMENTS CUT, REMOVED OR DAMAGED BY THIS PROJECT.
24. ALL VALVES INSTALLED BY THE CONTRACTOR SHALL BE ACCESSIBLE FOR OPERATOR, COMPLETE WITH VAPE CAN TO FINISH GRADE DIRECTLY FOLLOWING CONNECTION TO THE EXISTING WATER SYSTEM.
25. FIRE HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH CITY STANDARDS AND THE STANDARDS OF THE GOVERNING FIRE DEPARTMENT.
26. UTILITY COMPANY TELEPHONE NUMBERS:
 VICTORVILLE WATER DISTRICT.....(760) 245-6424
 SOUTHERN CALIFORNIA EDISON COMPANY.....(760) 951-3275
 KINDER MORGAN ENERGY PARTNERS (CAL-NEV PIPELINE).....(714) 560-4400
 VERIZON COMMUNICATIONS.....(760) 245-0394
 SOUTHWEST GAS CORP.....(760) 951-4016
 CHARTER COMMUNICATIONS.....(951) 343-5171
 VICTOR VALLEY WASTEWATER RECLAMATION.....(760) 246-8638
 KERN RIVER GAS TRANSMISSION COMPANY.....(702) 639-3600
 MOJAVE WATER AGENCY.....(760) 946-7000
 VICTORVILLE MUNICIPAL UTILITY SERVICES.....(760) 243-6340
 AT&T.....(925) 944-8416

NOTATION AND LEGEND:

AC	ASBESTOS CEMENT		PROPERTY LINE
ASPH.	ASPHALT CEMENT PAVEMENT		RIGHT OF WAY
AP	ANGLE POINT		CENTERLINE
ARV	AIR AND VACUUM RELEASE VALVE		EXISTING PAVEMENT
BO	BLOW-OFF		EXISTING FENCE
BY	BUTTERFLY VALVE		EXISTING WOOD FENCE
CL	CENTERLINE		EXISTING CMU FENCE
BOT	BOTTOM ELEVATION		EXISTING TELECOM
C&G	CURB AND GUTTER		EXISTING GAS LINE/GAS HIGH PRESSURE
CML&C	CEMENT MORTAR LINED & COATED STEEL		EXISTING TELECOM
D/W	DRIVEWAY		PROPOSED WATER LINE
DIP	DUCTILE IRON PIPE		EXISTING WATER LINE (TO REMAIN)
EP/EOP	EDGE OF PAVEMENT		EXISTING SEWER LINE
ESMT	EASEMENT		EXISTING OVERHEAD POWER LINES
EX	EXISTING		EXISTING GAS LINE/GAS HIGH PRESSURE
FH	FIRE HYDRANT		EXISTING TELECOM
FLG	FLANGE		MAIL BOX (MB)
FL	FLOWLINE		WATER METER
FS	FINISHED SURFACE		ELECTRICAL BOX
FTR	FRONTIER COMMUNICATIONS		TELECOM BOX
GB	GRADE BREAK		POLE POLE / GUY ANCHOR
GV	GATE VALVE		BUTTERFLY VALVE (EXISTING / PROPOSED)
HP	HIGH POINT		GATE/INSERT VALVE (EXISTING / PROPOSED)
INT	INTERSECTION		SEWER MANHOLE
INV	INVERT		FIRE HYDRANT (EXISTING / PROPOSED)
LF	LINEAL FEET		FIRE HYDRANT STANDPIPE
LP	LOW POINT		AIR AND VACUUM RELEASE VALVE ASSEMBLY
MJ	MECHANICAL JOINT		PROPOSED BLOW-OFF ASSEMBLY
NTS	NOT TO SCALE		PROPOSED OPEN VALVE
OG	ORIGINAL GROUND		EXISTING STREET SIGN
PVC	POLYVINYL CHLORIDE		HOT TAP EXISTING WATER LINE
RJ	RESTRAINED JOINT		PROPOSED FLANGE CONNECTION
R/W	RIGHT OF WAY		CUT & CAP EXISTING WATER LINE
SL	STREET LIGHT		PROPOSED REDUCER/INCHREASER
STA	STATION		TRANSITION COUPLING/FLEX COUPLER
SD	STORM DRAIN LINE		UTILITY CROSSING (MAINTAIN 1' CLEAR TO ALL WATER UTILITIES)
TOP	TOP ELEVATION		CONCRETE THRUST BLOCK
SS	SANITARY SEWER LINE		TREE
W	WATER LINE		STREET LIGHT
WMD	VICTORVILLE WATER DISTRICT		EXISTING PAVEMENT (TO REMAIN)
NC-VALVE	NORMALLY CLOSED VALVE		OPEN TRENCHING AREA (INSTALL STEEL PLATE OVER DRIVEWAYS)
LT/RT	LEFT/RIGHT		



PROJECT LOCATION VICINITY MAP
NOT TO SCALE

SHEET	DESCRIPTION
1 OF 2	TITLE SHEET
2 OF 2	PLAN AND PROFILE

CONSTRUCTION NOTES:

1. INSTALL 8" 45' BEND.
2. INSTALL 8" 45' WITH THRUST BLOCK
3. INSTALL 8" 90' BEND.
4. INSTALL 8" 90' DEGREE BEND WITH THRUST BLOCK.
5. INSTALL 8"x8"x6" REDUCING TEE WITH THRUST BLOCK.
6. INSTALL 8"x8"x8" TEE WITH THRUST BLOCK.
7. INSTALL 6" GAVE VALVE PER C.O.V. STD. W-18.
8. INSTALL 8" GATE VALVE PER C.O.V. STD. W-18.
9. INSTALL 18" STEEL SLEEVE CASING PER PER C.O.V. W-38
10. INSTALL 8" D.I.P. CLASS 350 PIPELINE AND TRACER WIRE PER C.O.V. STD W-36 AND S-10, RESTRAIN ALL JOINTS.
11. INSTALL NEW 2" COMBINATION AIR VAC ASSEMBLY WITH SNAKEPIT PER C.O.V. W-25 AND W-27 AND (4) FOUR BOLLARDS PER W-42.
12. CONNECT TO EXISTING MAIN WITH 8" D.I.P. SPOOL (MIN. LENGTH 5') AND TRANSITION COUPLER.
13. CONNECT TO EXISTING MAIN WITH 6" D.I.P. SPOOL (MIN. LENGTH 5') AND TRANSITION COUPLER.
14. REMOVE AND DISPOSE OF EXISTING BLOW-OFF; INSTALL NEW 4" BLOW-OFF ASSEMBLY PER C.O.V. STD. W-16 AND (4) FOUR BOLLARDS PER W-42.
15. ISOLATE, REMOVE AND DISPOSE OF EXISTING TEE; CONSTRUCT NEW TEE CONNECTION PER CONNECTION SCHEMATIC 'A' (POTHOLE TO VERIFY MATERIAL, LOCATION, SIZE, AND DEPTH)
16. ISOLATE, REMOVE AND DISPOSE OF EXISTING TEE; CONSTRUCT NEW TEE CONNECTION PER CONNECTION SCHEMATIC 'B'. (POTHOLE TO VERIFY MATERIAL, LOCATION, SIZE, AND DEPTH)
17. CUT AND CAP EXISTING 8-INCH AC PIPELINE PER C.O.V. W-41 (LENGTH TO BE DETERMINED BY CITY INSPECTOR).
18. ABANDON IN PLACE EXISTING AC PIPELINE AND/OR DISPOSE OF EXPOSED/INTERFERING AC PIPELINE.

NOTE:
CONTRACTOR TO PROTECT IN PLACE EXISTING SURVEY MONUMENTS.

NOTE:
IF THIS PLAN IS NOT SIGNED AND DATED BY THE ENGINEER OF RECORD AND ALSO BY THE CITY ENGINEER OR UTILITY COMPANY OFFICIAL IN THE APPROVAL BLOCKS OF THIS PLAN THEN THIS PLAN IS PRELIMINARY AND NOT FOR CONSTRUCTION.

SPECIAL NOTE TO THE CONTRACTOR:

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF ALL AVAILABLE RECORDS, TO THE BEST OF OUR KNOWLEDGE. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINE NOT OF RECORD OR NOT SHOWN ON THESE PLANS. PRIOR TO EXCAVATION, THE CONTRACTOR SHALL CALL TOLL FREE 1-800-227-2600 TO VERIFY THE UNDERGROUND LOCATION OF ALL UTILITIES.



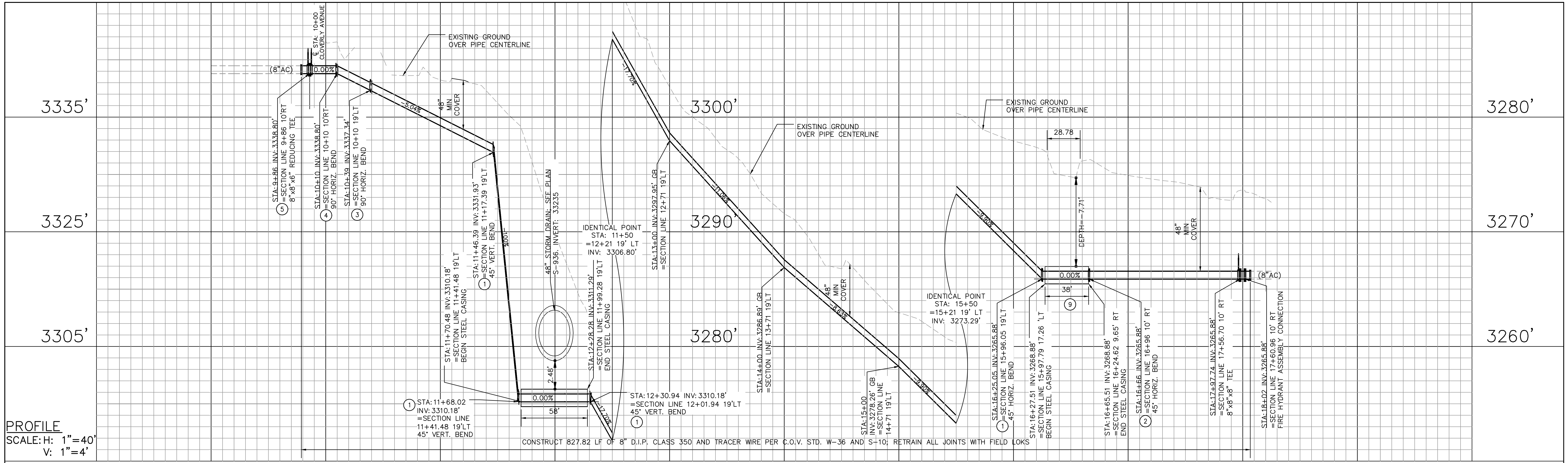
811
DIAL TOLL FREE
811
Know what's below.
Call before you dig.
AT LEAST TWO DAYS
BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

THE CONTRACTOR IS REQUIRED BY GOVERNMENT CODE 4216 "CALIFORNIA ONE CALL LAW" TO CALL DIG ALERT AT LEAST TWO (2) WORKING DAYS BEFORE DIGGING. CONTRACTOR IS REQUIRED BY SAME CODE TO HAND-EXPOSE TO THE POINT OF NO CONFLICT 24" ON EITHER SIDE OF THE UNDERGROUND FACILITY SO YOU CAN DETERMINE ITS EXACT LOCATION BEFORE USING POWER EQUIPMENT.

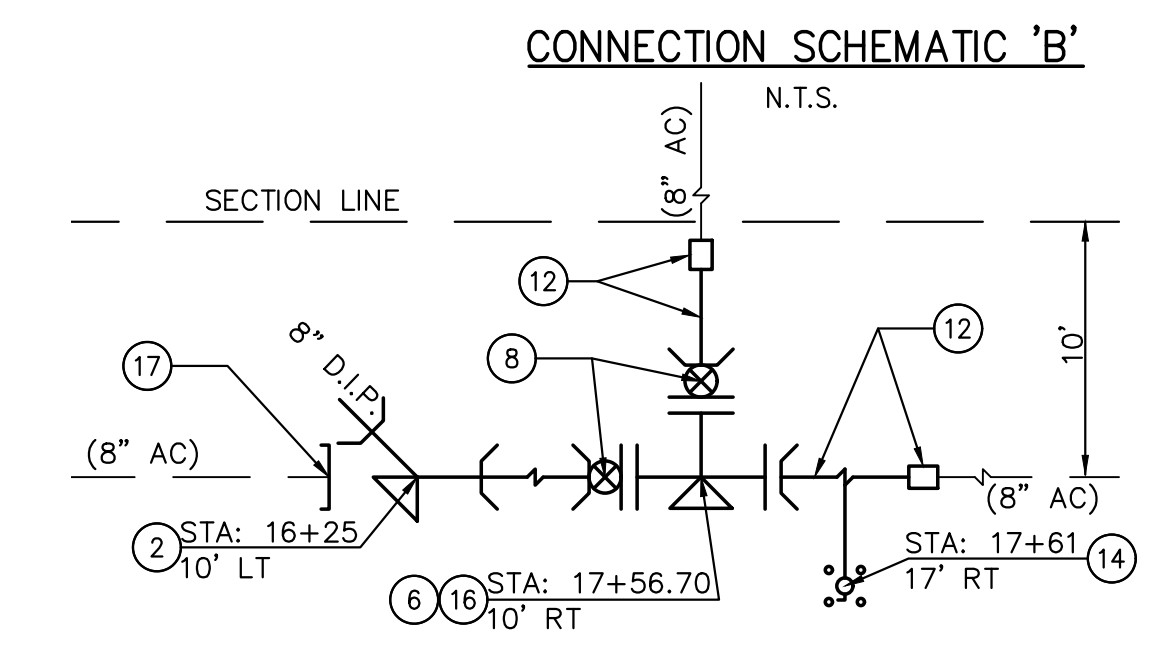
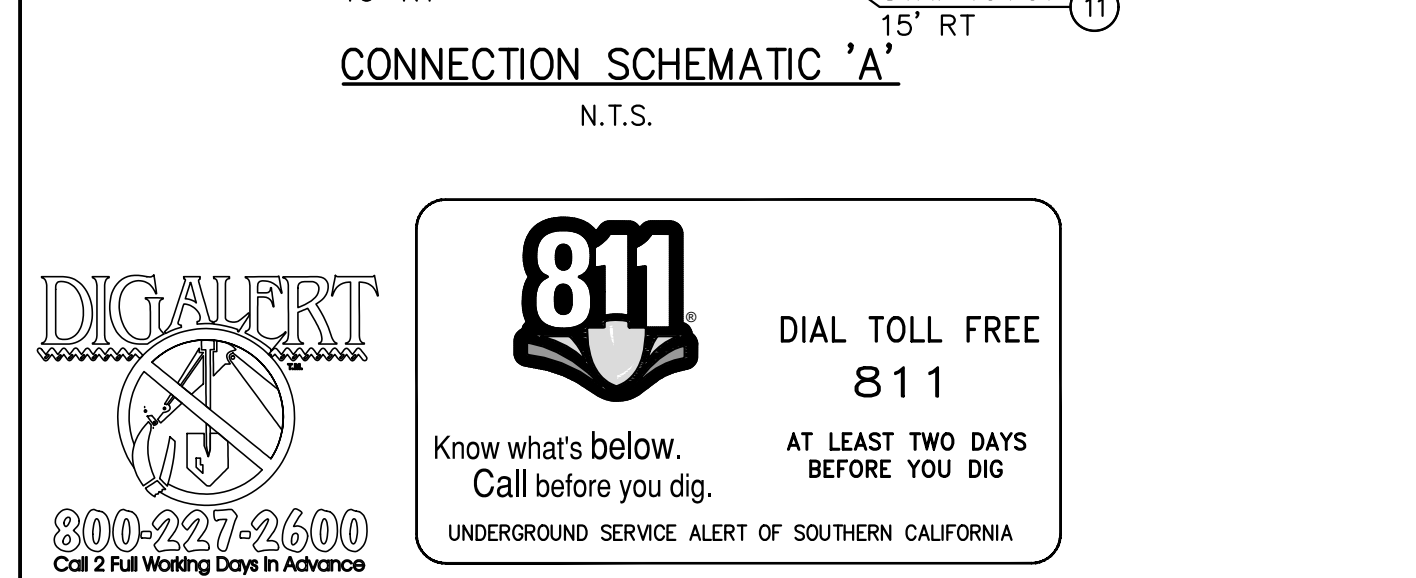
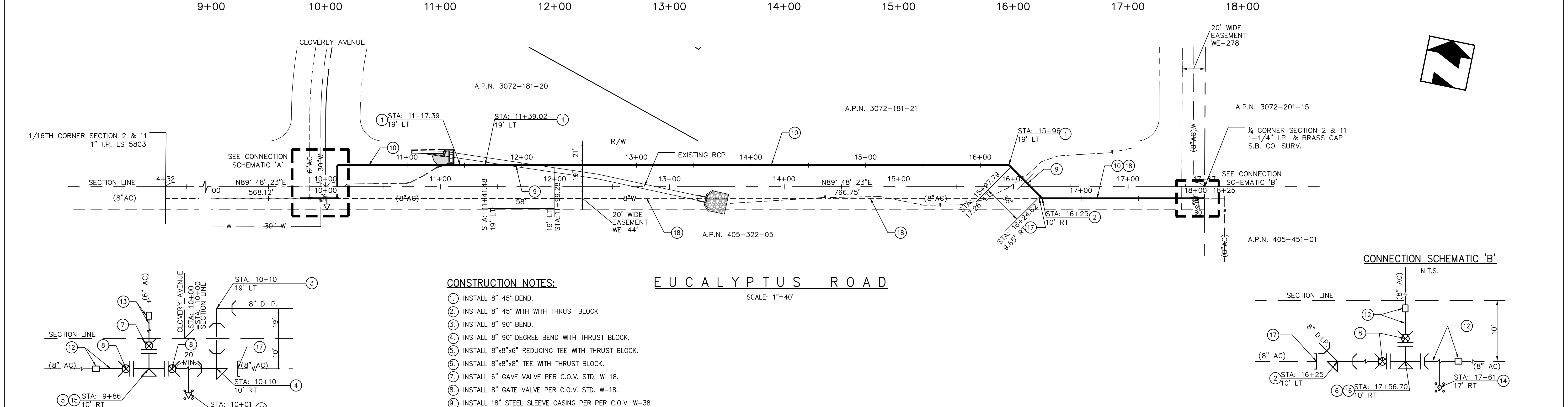


CITY OF VICTORVILLE
ENGINEERING DEPARTMENT
14343 CIVIC DRIVE, VICTORVILLE, CA. 92393-5001 (760) 955-5158

WATER IMPROVEMENT PLAN			
EUCALYPTUS ROAD WATER REALIGNMENT			
TITLE SHEET			
BENCH MARK:	DESIGN BY: J.ZEMAN	SHEET No:	DRAWING No:
BASIS OF BEARING:	DRAWN BY: J.ZEMAN	1 OF 2	WP- 1491
	CHECKED BY: D.LEE		PROJECT No:
	DATE: 5/9/2024		60138
APPROVED BY:	DATE: 05/9/2024	R.C.E. 70349	
CITY ENGINEER: FREDY A. BONILLA			



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



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DIAL TOLL FREE 811
Know what's below. Call before you dig. AT LEAST TWO DAYS BEFORE YOU DIG. UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

DIG ALERT
800-227-2600
Call 2 Full Working Days In Advance

CITY OF VICTORVILLE
ENGINEERING DEPARTMENT
14343 CIVIC DRIVE, VICTORVILLE, CA. 92393-5001 (760) 955-5158

EUCALYPTUS ROAD WATER REALIGNMENT
PLAN AND PROFILE

No.	REVISIONS	BY	DATE

BENCH MARK: V-223 N TO 5' E/O NE COR MESA LINDA & EUCALYPTUS ELEVATION: 3376.91'
BASIS OF BEARING: DESIGN BY: J.ZEMAN
DRAWN BY: J.ZEMAN
CHECKED BY: D.LEE
DATE: 5/9/2024

APPROVED BY: *Fredy A. Bonilla*
CITY ENGINEER: FREDY A. BONILLA

DATE: 05/9/2024 R.C.E. 70349

SHEET No: 2 OF 2
DRAWING No: WP-1491
PROJECT No: 60138

