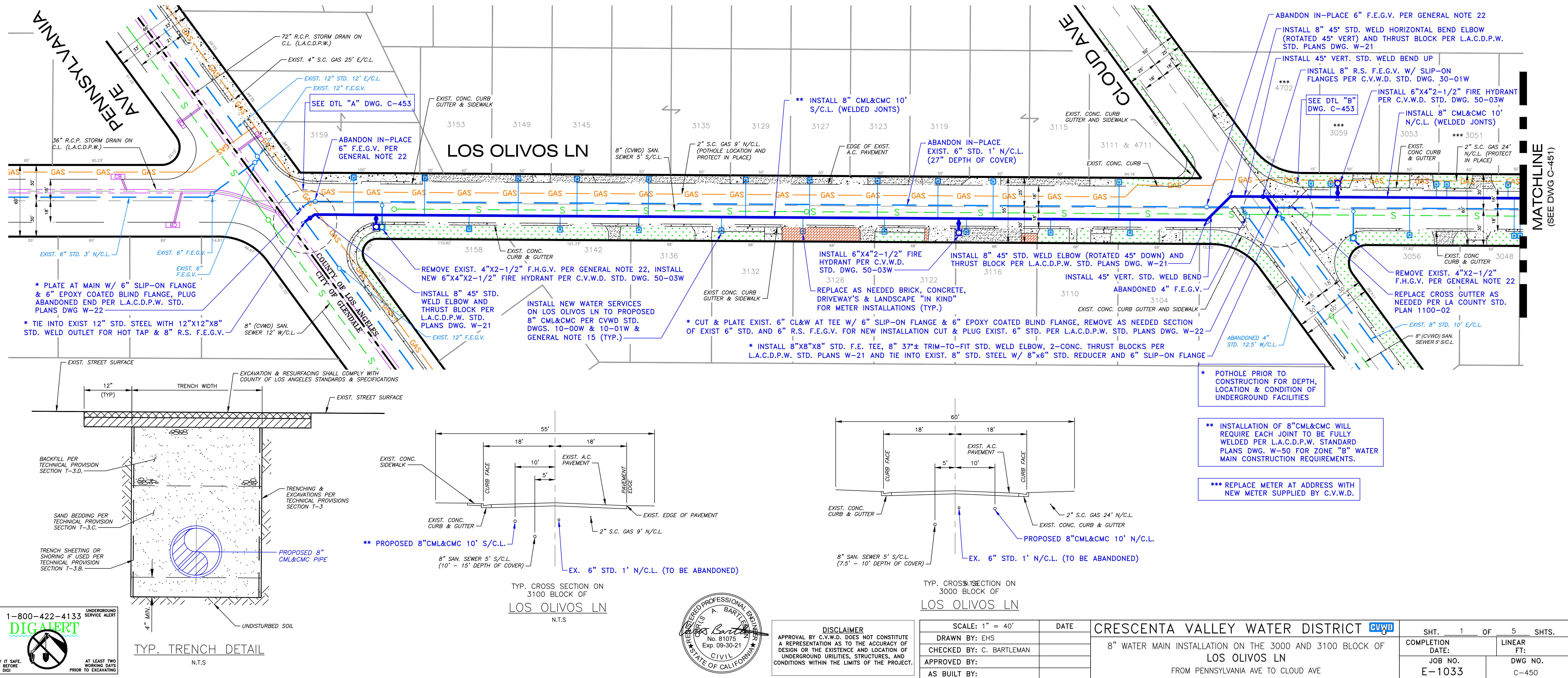


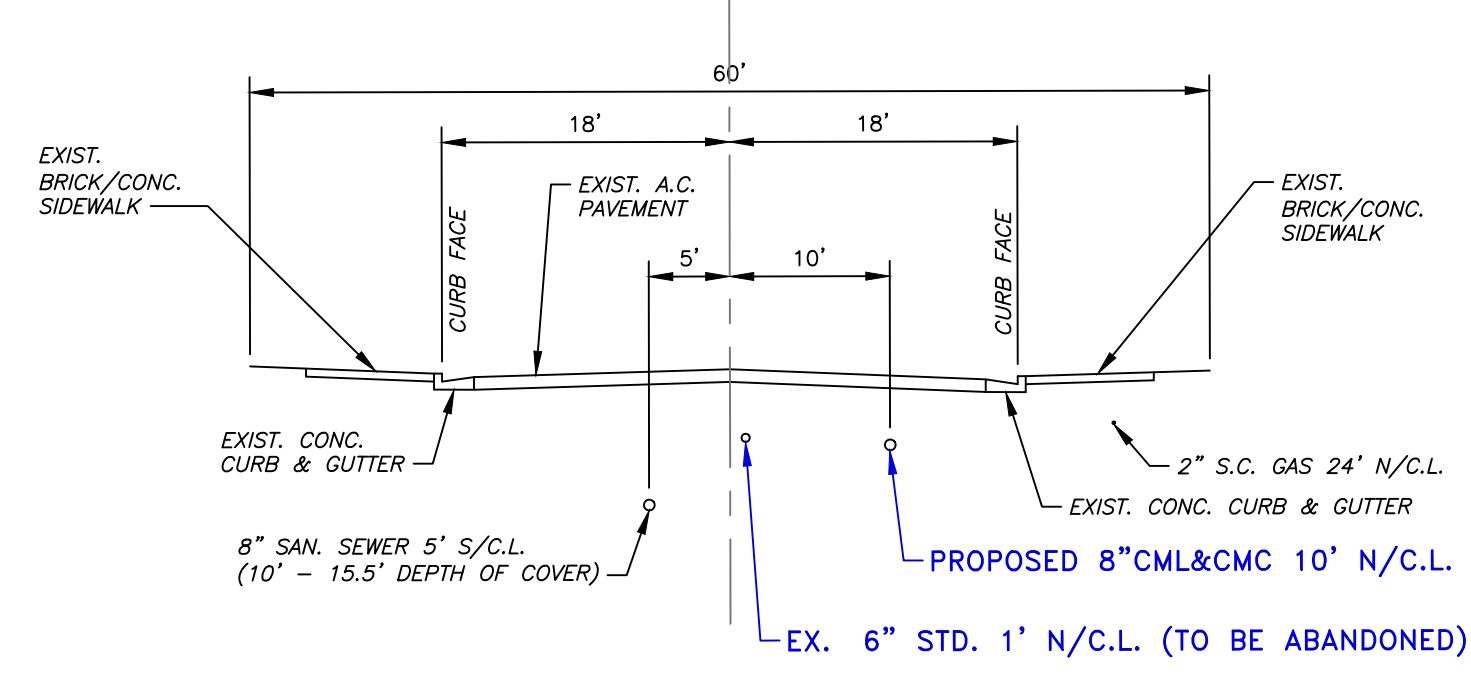
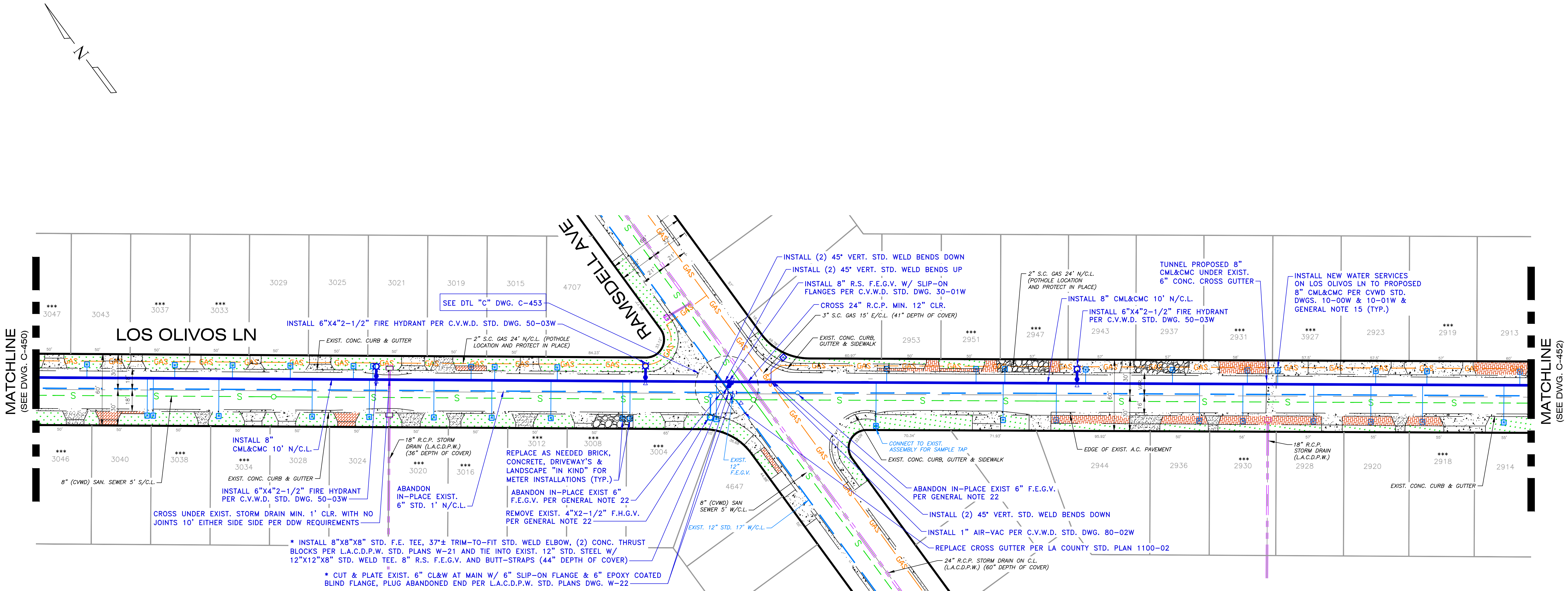
1. THE CONTRACTOR SHALL NOTIFY C.V.W.D. PROJECT ENGINEER CHRISTINA KOPELMAN FIVE (5) WORKING DAYS PRIOR TO STARTING WORK, AT (818) 248-3925.
2. THE DISTRICT WILL EXECUTE ALL SHUT-DOWNS AND TURN-ONS. THE CONTRACTOR SHALL PROVIDE THE DISTRICT WITH AT LEAST 24 HOURS ADVANCE NOTICE. WATER TIGHT SHUT-DOWNS ARE NOT REQUIRED BY THE DISTRICT. THEREFORE, THE CONTRACTOR SHALL BE PREPARED FOR VALVE LEAKAGE THAT MAY OCCUR DURING SYSTEM SHUT-DOWN.
3. ALL WORK SHALL CONFORM TO C.V.W.D. STANDARD SPECIFICATIONS AND STANDARD DRAWINGS.
4. ALL WATER SYSTEM INSTALLATIONS SHALL BE INSPECTED BY C.V.W.D.
5. THERE SHALL BE A MINIMUM OF 12 INCHES OF COVER AND A MAXIMUM OF 42 INCHES OF COVER FROM FINISHED GRADE, UNLESS OTHERWISE NOTED.
6. ALL FIELD WELDING SHALL BE IN ACCORDANCE WITH AWWA C206.
7. BACKFILL PROCEDURE SHALL BE COVERING THE PIPELINE WITH APPROVED BEDDING MATERIAL, HAND PLACED DEPTH OF 12 INCHES OR MORE ABOVE THE TOP OF THE PIPE, THE BALANCE OF BACKFILL SHALL CONTAIN NO STONES OR OTHER MATERIALS OF THEIR LARGEST DIMENSION.
8. THE CONTRACTOR SHALL HYDROSTATICALLY TEST ALL PIPE UPON COMPLETION, THE REQUIRED TEST SHALL BE IN ACCORDANCE WITH C.V.W.D. TECHNICAL PROVISIONS.
9. FLUSHING AND DISINFECTION: UPON COMPLETION OF THE HYDROSTATIC TESTS, THE PIPES SHALL BE FLUSHED AND DISINFECTED. DISINFECTION SHALL BE IN ACCORDANCE WITH THE STANDARD FOR DISINFECTING WATER. DISINFECTION SHALL BE SCHEDULED WITH C.V.W.D.
10. ALL FITTINGS AND VALVES SHALL MEET C.V.W.D. SPECIFICATIONS.
11. ALL CONNECTIONS TO EXISTING FACILITIES SHALL BE SCHEDULED WITH C.V.W.D. NO CONNECTIONS TO C.V.W.D. SYSTEM UNTIL PIPE HAS SUCCESSFULLY PASSED THE HYDROSTATIC AND DISINFECTION TEST.
12. ALL SERVICE LATERALS SHALL CONFORM TO C.V.W.D. STANDARDS.
13. ALL VALVE CANS SHALL BE RAISED TO FINISHED GRADE DURING FINAL PAVING.
14. EXISTING METERS SHALL BE RECONNECTED PER TECHNICAL SPECIFICATION T-7.
15. PROPERTIES WITH STREET NUMBERS SHOWN SHALL HAVE WATER SERVICE LATERALS REPLACED AND OR RECONNECTED TO MEET C.V.W.D. STANDARDS AND SPECIFICATIONS. EXACT LOCATION OF LATERAL / MAIN CONNECTION TO BE DETERMINED IN FIELD BY CONTRACTOR AND APPROVED BY C.V.W.D. INSPECTOR.

16. ALL REQUIRED WATER SERVICES SHALL BE CONNECTED TO NEW WATER MAIN AFTER HYDROSTATIC TESTING AND DISINFECTION, AND PRIOR TO FINAL TIE-IN OF NEW WATER MAIN.
17. BY APPROVING THIS PLAN, THE WATER PURVEYOR IS NEITHER GUARANTEEING NOR AGREEING THAT IT WILL SUPPLY WATER AT ANY SPECIFIC QUANTITIES OR PRESSURE AND NO SUCH OBLIGATION IS CREATED HEREBY.
18. CONTRACTOR TO NOTE THAT EXACT LOCATION AND DEPTH OF EXISTING FACILITIES MAY VARY AND SHOULD BE VERIFIED BY EXPLORATORY EXCAVATION AT TIME OF CONSTRUCTION. CONTRACTOR TO OBTAIN UNDERGROUND SERVICE ALERT HP. 1-800-227-2600, AT LEAST TWO WORKING DAYS PRIOR TO DIGGING.
19. TRAFFIC CONTROL DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL CONFORM WITH REQUIREMENTS OF LOCAL TRAFFIC AUTHORITY.
20. ALL UNLINED PIPE SHALL BE FIELD JOINTED (MIN. 5/16" THICK).
21. NO HOSE OR FIRE HYDRANT SHALL BE USED IN THE COLLECTION OF BACTERIOLOGIC SAMPLES. A RISER WITH SAMPLING TAP, OR OTHER C.V.W.D. APPROVED INSTALLATION SHALL BE REQUIRED.
22. REMOVE EXISTING VALVE SLEEVE AND VALVE CAN PLAC, ABANDON EXISTING VALVE IN-PLACE AND BACKFILL PER TECHNICAL PROVISION T-3 AND RESURFACE PER TECHNICAL PROVISION T-5.
23. ALL OFFSET DISTANCES ARE APPROXIMATE, CONTRACTOR SHALL VERIFY LOCATION PRIOR TO CONSTRUCTION.
24. REMOVE EXISTING VALVE SLEEVE, VALVE CAN CAP & EXISTING VALVE, PLATE EXIST. MAIN PER L.A. COUNTY STD. DWG. W-22 AND BACKFILL PER TECHNICAL PROVISION T-3 AND RESURFACE PER TECHNICAL PROVISION T-5
25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION OF THIS PROJECT IN ACCORDANCE WITH C.V.W.D. & COUNTY OF LOS ANGELES PLANS & SPECIFICATIONS. ANY DEVIATION FROM THESE PLANS & SPECIFICATIONS SHALL BE AUTHORIZED PRIOR TO CONSTRUCTION BY C.V.W.D. PROJECT ENGINEER. FAILURE TO OBTAIN PRIOR APPROVAL MAY RESULT IN ADDITIONAL COSTS TO THE CONTRACTOR (SEE CONTRACT SPECIFICATIONS, GENERAL PROVISIONS ARTICLE 3 & 4).
26. GWP WATER ENGINEERING: POTHOLE & PROTECT ALL FACILITIES IN PLACE. MUST MAINTAIN 1' VERTICAL AND 2' HORIZONTAL CLEARANCES FROM WATER FACILITIES

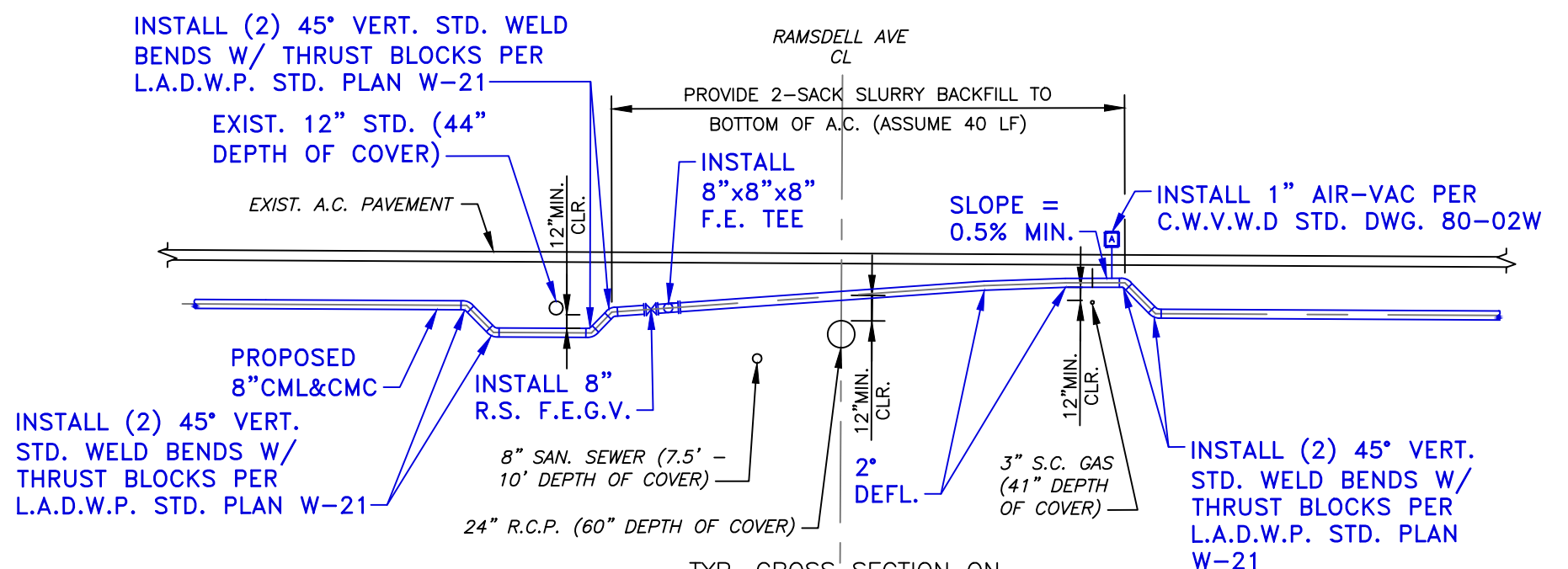
C.V.W.D.	—	CRESCENTA VALLEY WATER DISTRICT	TS	—	TRAFFIC SIGNAL
S.C. GAS	—	SOUTHERN CALIFORNIA GAS COMPANY	F.E.	—	FLANGED END
C. OF G.	—	CITY OF GLENDALE	G.V.	—	GATE VALVE
L.A. CO.	—	LOS ANGELES COUNTY	R.S.	—	RESILIENT SEAT
L.A.C.D.P.W.	—	LOS ANGELES COUNTY DEPT. OF PUBLIC WORKS	F.E.B.V.	—	FLANGED END BUTTERFLY VALVE
PAC BELL	—	PACIFIC BELL	CONC.	—	CONCRETE
AT&T	—	AT&T CORPORATION	A.C. PV/MT.	—	ASPHALT CONCRETE PAVEMENT
EDISON	—	SOUTHERN CALIFORNIA EDISON COMPANY	P.C.C.	—	PORTLAND CEMENT CONCRETE
C.A.T.V.	—	CHARTER COMMUNICATIONS CABLE	EXIST.	—	EXISTING
L.C.I.D.	—	LA CANADA IRRIGATION DISTRICT	STD.	—	STANDARD
F.M.W.D.	—	FOOTHILL MUNICIPAL WATER DISTRICT	STD. DWG.	—	STANDARD DRAWING
APWA	—	AMERICAN PUBLIC WORKS ASSOCIATION		—	EXISTING WATER METER BOX
AWWA	—	AMERICAN WATER WORKS ASSOCIATION		—	PROPOSED BLOW-OFF
C.L.	—	CENTER LINE		—	PROPOSED AIR RELEASE ASSEMBLY
P.L.	—	PROPERTY LINE		—	STEEL METER BOX TRAFFIC LID
N/C.L.	—	NORTH OF CENTER LINE		—	PROPOSED 6" x 4" x 2-1/2" FIRE HYDRANT
S/C.L.	—	SOUTH OF CENTER LINE		—	PROPOSED GATE VALVE
CL&W	—	CEMENT MORTAR LINED & WRAPPED STEEL PIPE		—	EXISTING GATE VALVE
CML&CMC	—	CEMENT MORTAR LINED & CEMENT MORTAR COATED		—	ELECTRICAL BOX
C.I. OR C.I.P.	—	CAST IRON PIPE		—	STREET LIGHT
O.D.	—	OUTSIDE DIAMETER		—	TRAFFIC SIGNAL
I.D.	—	INSIDE DIAMETER		—	POWER POLE, PWR. POLE, P.P.
R.C.P.	—	REINFORCED CONCRETE PIPE			
S.S.	—	STANDARD STEEL PIPE			
M.H.	—	MANHOLE			
F.H.	—	FIRE HYDRANT			
W.M.	—	WATER METER			

- | | |
|---|-------------------------------------|
|  | — EXISTING TREE |
|  | — EXISTING LANDSCAPE GRASS |
|  | — EXISTING LANDSCAPE SHRUBS |
|  | — EXISTING LANDSCAPE ROCK OR GRAVEL |
|  | — EXISTING BRICK |
|  | — EXISTING CONCRETE |
|  | — EXISTING BLACKTOP DRIVEWAY |
|  | — EXISTING CONCRETE BLOCK WALL |





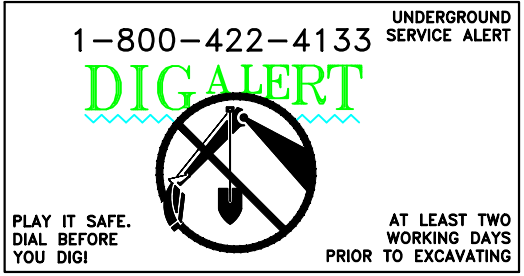
TYP. CROSS SECTION ON
2900-3050 BLOCK OF
LOS OLIVOS LN
N.T.S.



TYP. CROSS SECTION ON
INTERSECTION OF
LOS OLIVOS LN & RAMSDELL
N.T.S.

** INSTALLATION OF 8" CML&CMC WILL REQUIRE EACH JOINT TO BE FULLY WELDED PER L.A.C.D.P.W. STANDARD PLANS DWG. W-50 FOR ZONE "B" WATER MAIN CONSTRUCTION REQUIREMENTS.

*** REPLACE METER AT ADDRESS WITH NEW METER SUPPLIED BY C.V.W.D.

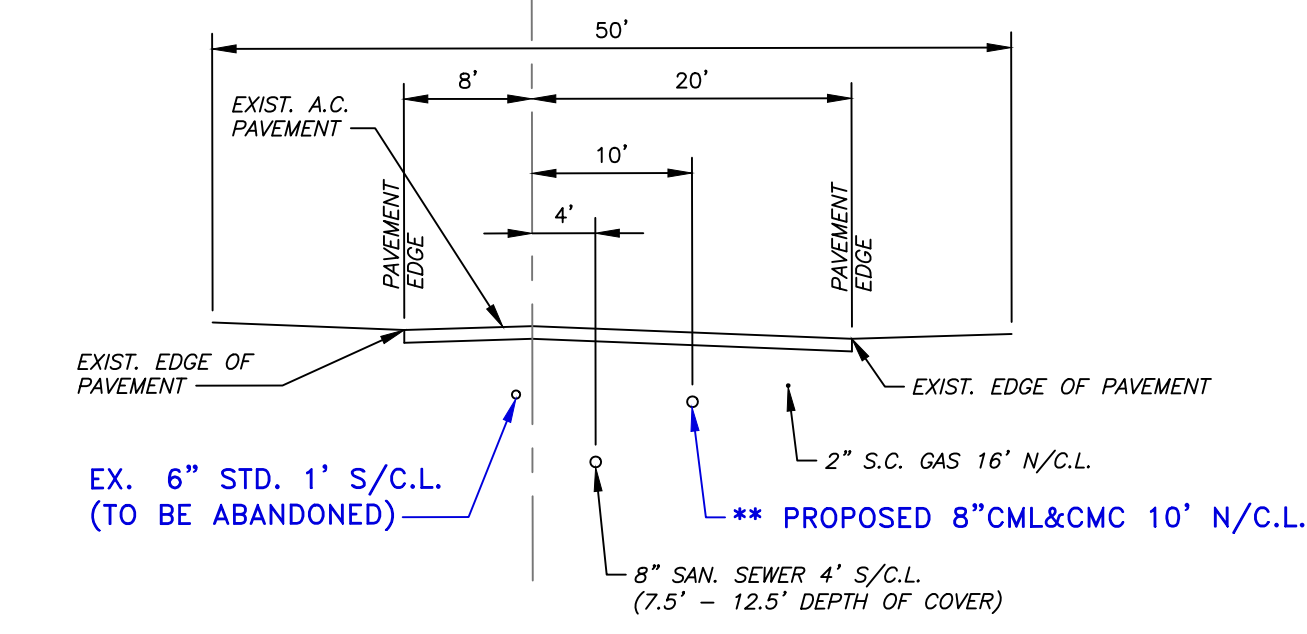
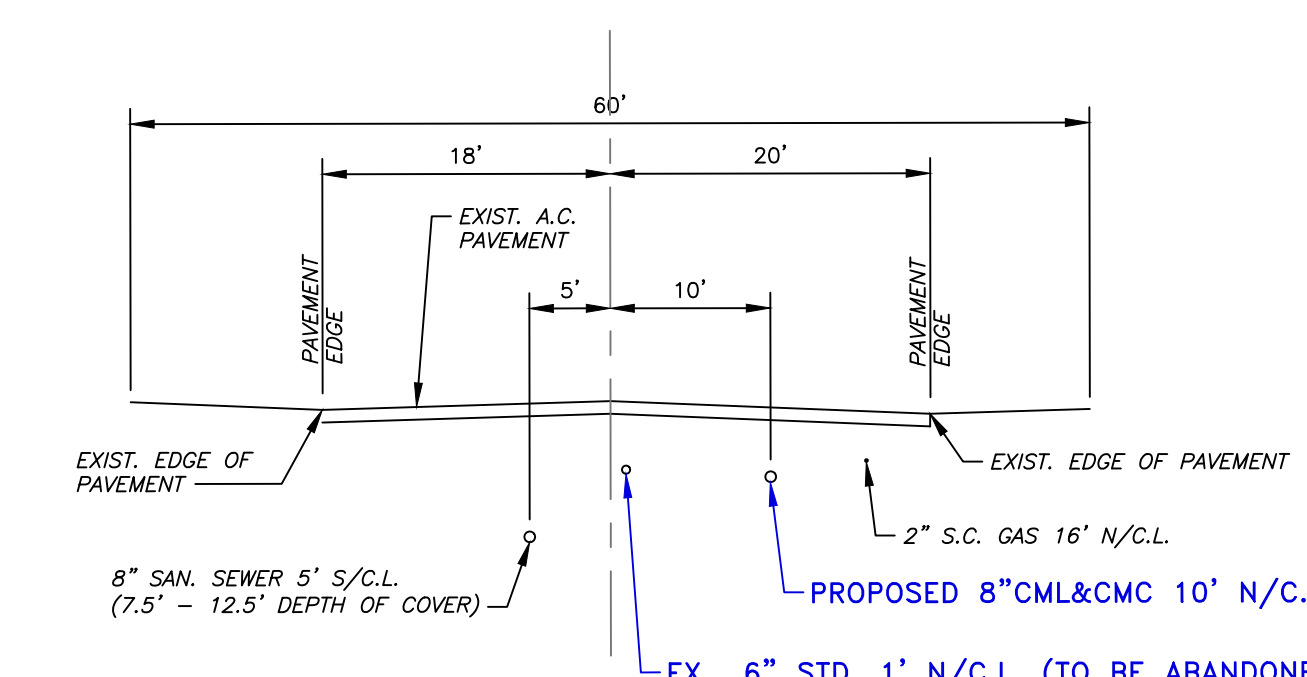
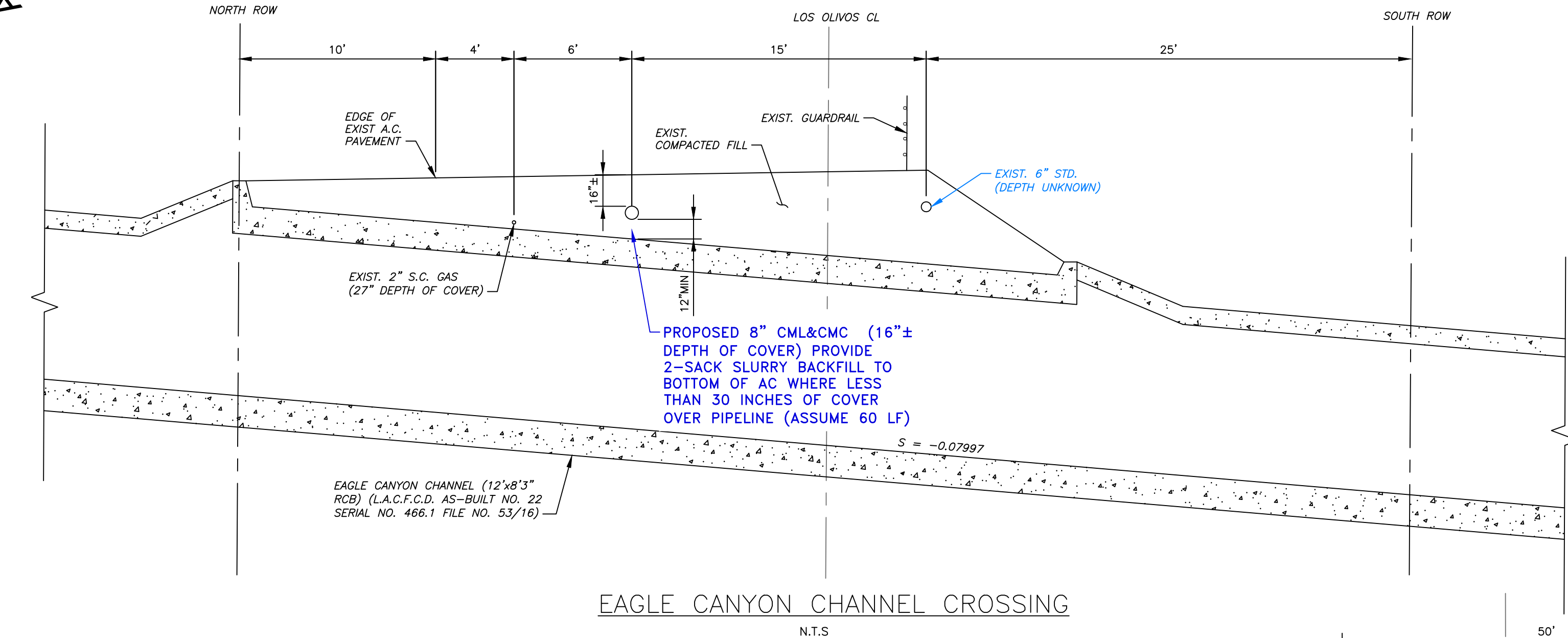
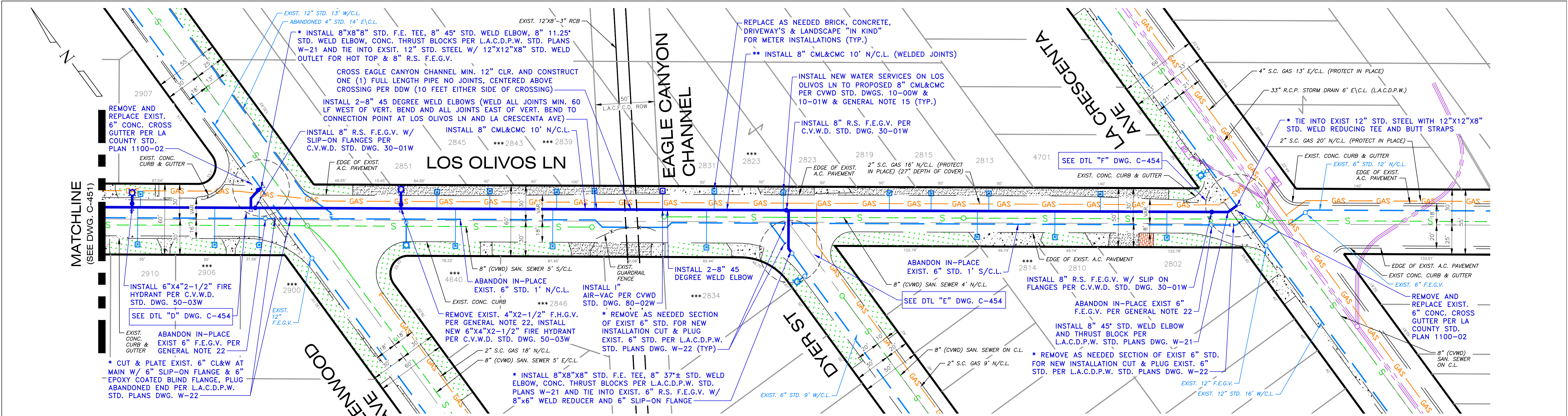


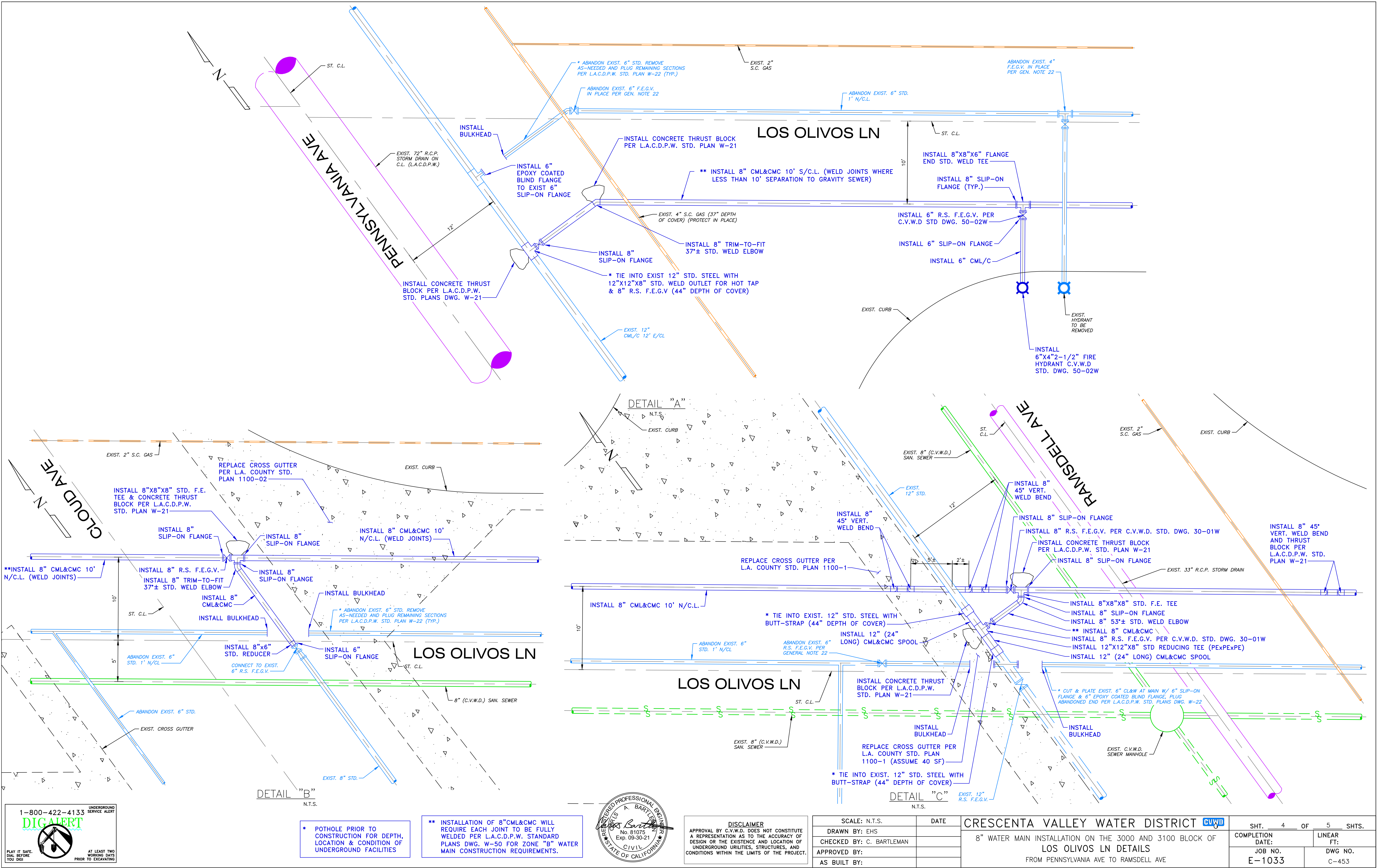
DISCLAIMER
APPROVAL BY C.V.W.D. DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OF DESIGN OR THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES, STRUCTURES, AND CONDITIONS WITHIN THE LIMITS OF THE PROJECT.

SCALE: 1" = 40'	DATE
DRAWN BY: EHS	
CHECKED BY: C. BARTLEMAN	
APPROVED BY:	
AS BUILT BY:	

CRESCENTA VALLEY WATER DISTRICT **CVWD**
8" WATER MAIN INSTALLATION ON THE 3000 AND 2900 BLOCK OF
LOS OLIVOS LN
LOS OLIVOS LN AND RAMSDELL AVE INTERSECTION

SHT. 2 OF 5 SHTS.	COMPLETION DATE:	LINEAR FT:
	JOB NO. E-1033	DWG NO. C-451





1-800-422-4133

DIG ALERT

PLAY IT SAFE. DIAL BEFORE YOU DIG!

UNDERGROUND SERVICE ALERT

AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING

**** POTHOLE PRIOR TO CONSTRUCTION FOR DEPTH, LOCATION & CONDITION OF UNDERGROUND FACILITIES**

**** INSTALLATION OF 8" CML&CMC WILL REQUIRE EACH JOINT TO BE FULLY WELDED PER L.A.C.D.P.W. STANDARD PLANS DWG. W-50 FOR ZONE "B" WATER MAIN CONSTRUCTION REQUIREMENTS.**

REGISTERED PROFESSIONAL ENGINEER

A. BARTLEMAN

No. 81075

Exp. 09-30-21

CIVIL

STATE OF CALIFORNIA

DISCLAIMER

APPROVAL BY C.V.W.D. DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OF DESIGN OR THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES, STRUCTURES, AND CONDITIONS WITHIN THE LIMITS OF THE PROJECT.

SCALE: N.T.S.	DATE
DRAWN BY: EHS	
CHECKED BY: C. BARTLEMAN	
APPROVED BY:	
AS BUILT BY:	

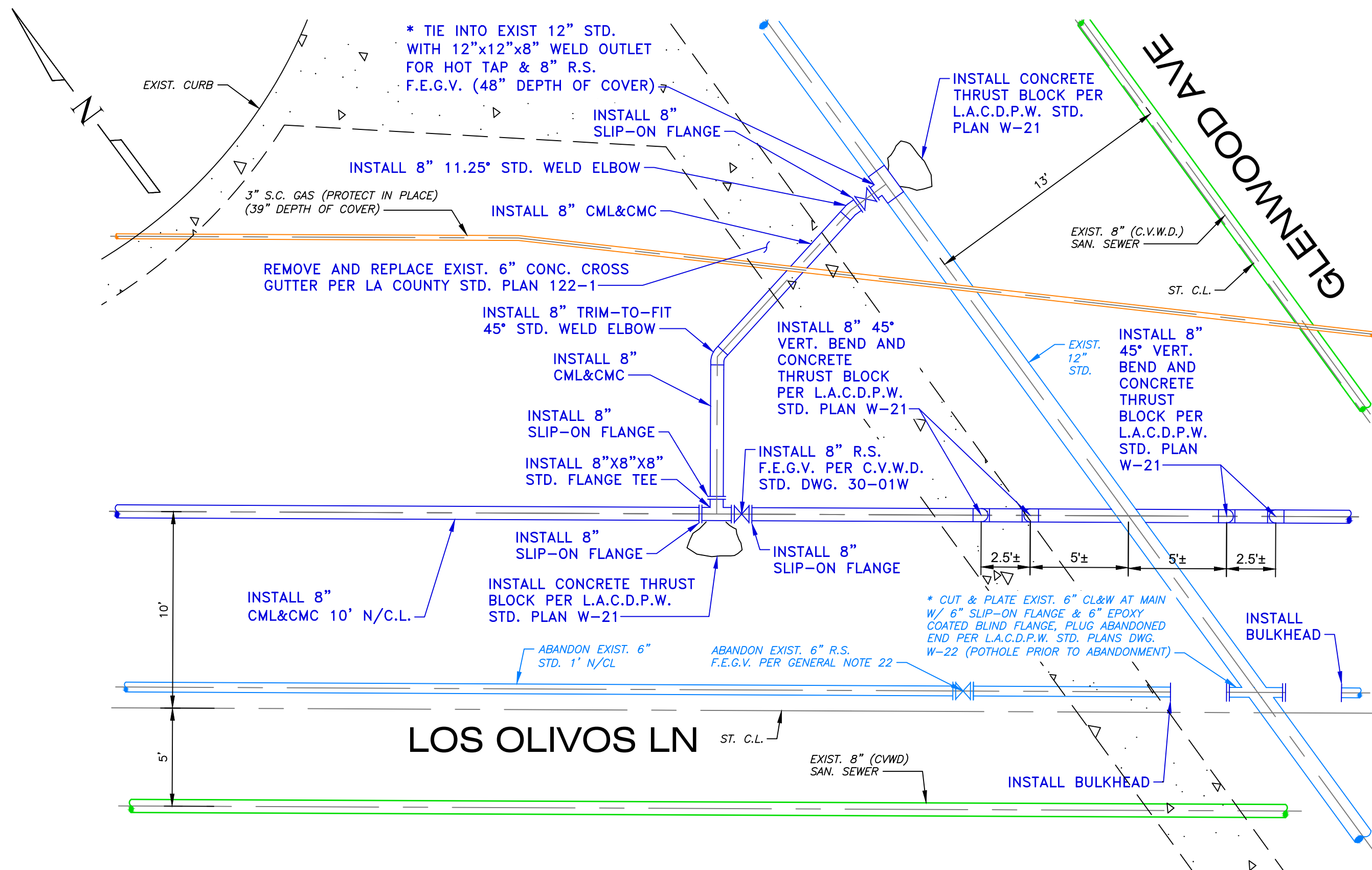
CRESCENTA VALLEY WATER DISTRICT

CVWD

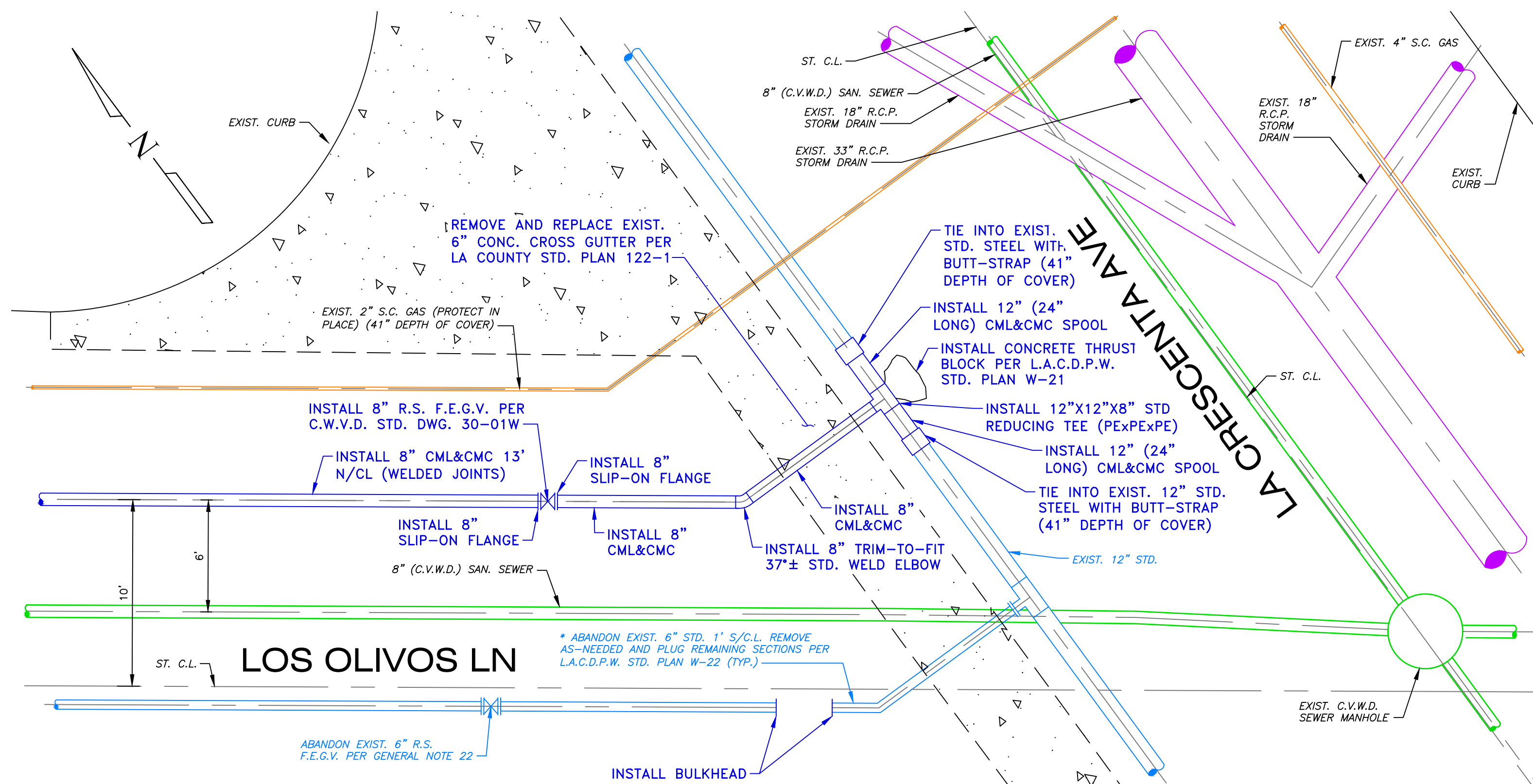
8" WATER MAIN INSTALLATION ON THE 3000 AND 3100 BLOCK OF LOS OLIVOS LN DETAILS FROM PENNSYLVANIA AVE TO RAMSDELL AVE

SHT. 4 OF 5 SHTS.
COMPLETION DATE:
JOB NO. E-1033

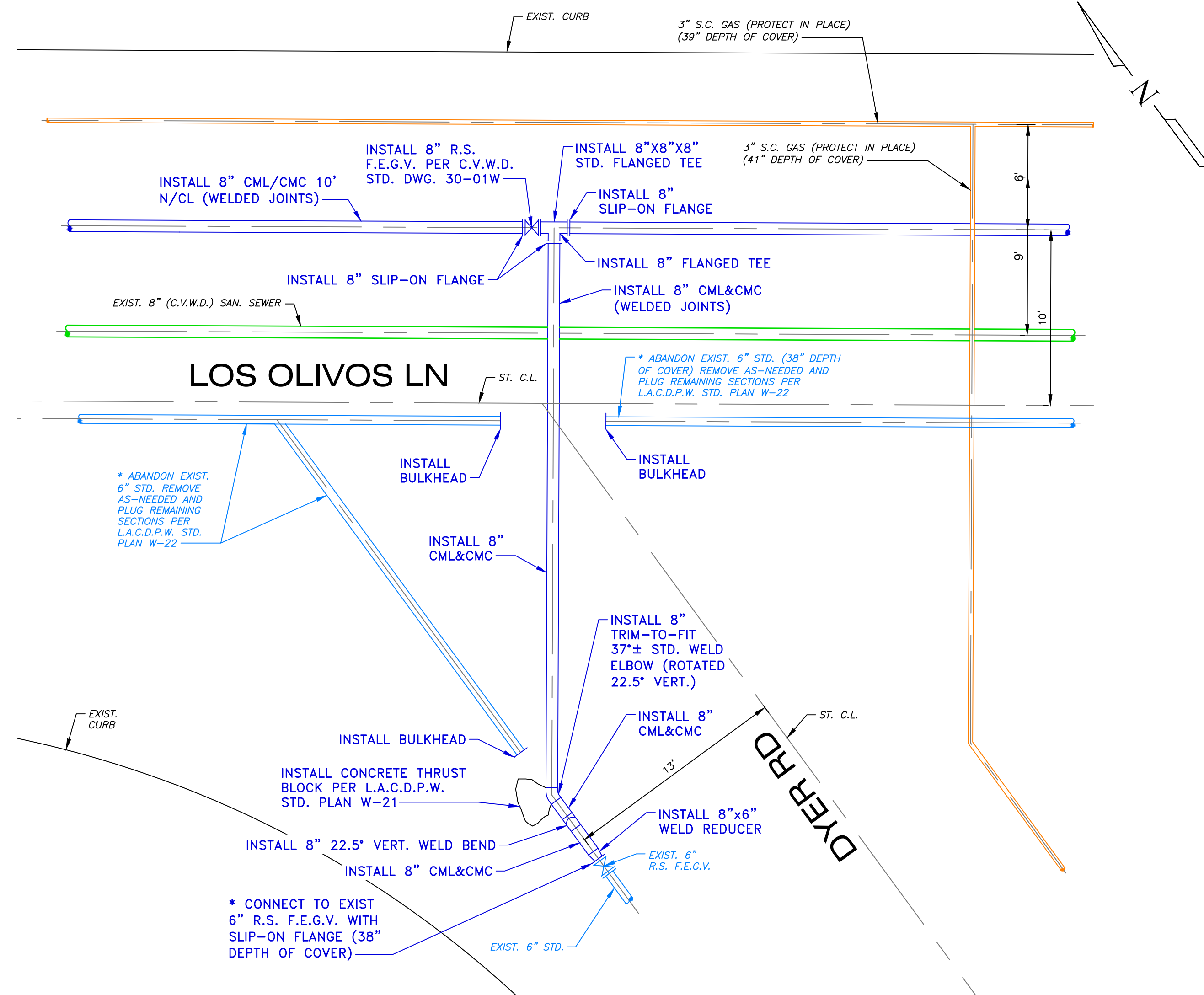
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DWG NO. C-453



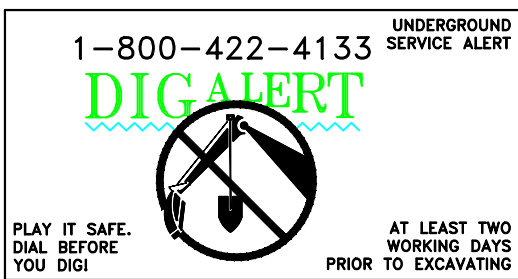
DETAIL "D"
N.T.S.



DETAIL "F"
N.T.S.



DETAIL "E"
N.T.S.



* POT HOLE PRIOR TO CONSTRUCTION FOR DEPTH, LOCATION & CONDITION OF UNDERGROUND FACILITIES

** INSTALLATION OF 8" CML&CMC WILL REQUIRE EACH JOINT TO BE FULLY WELDED PER L.A.C.D.P.W. STANDARD PLANS DWG. W-50 FOR ZONE "B" WATER MAIN CONSTRUCTION REQUIREMENTS.



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SCALE: N.T.S.	DATE
DRAWN BY: EHS	
CHECKED BY: C. BARTLEMAN	
APPROVED BY:	
AS BUILT BY:	

CRESCENTA VALLEY WATER DISTRICT
8" WATER MAIN INSTALLATION ON THE 2900 AND 2800 BLOCK OF LOS OLIVOS LN DETAILS
FROM GLENWOOD AVE TO LA CRESCENTA AVE INTERSECTION

SHT. 5 OF 5 SHTS.	COMPLETION DATE:	LINEAR FT:
JOB NO. E-1033		DWG NO. C-454