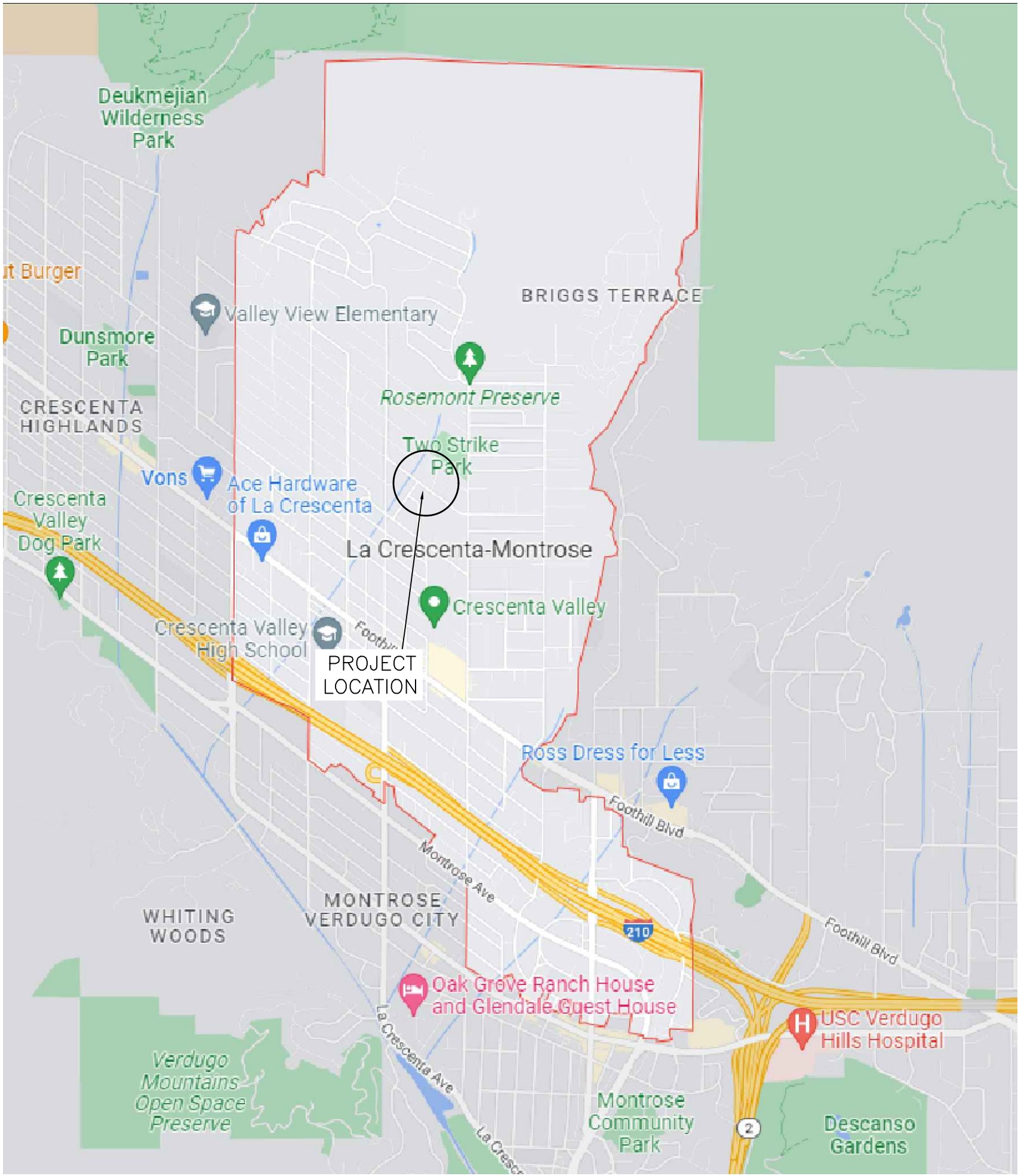
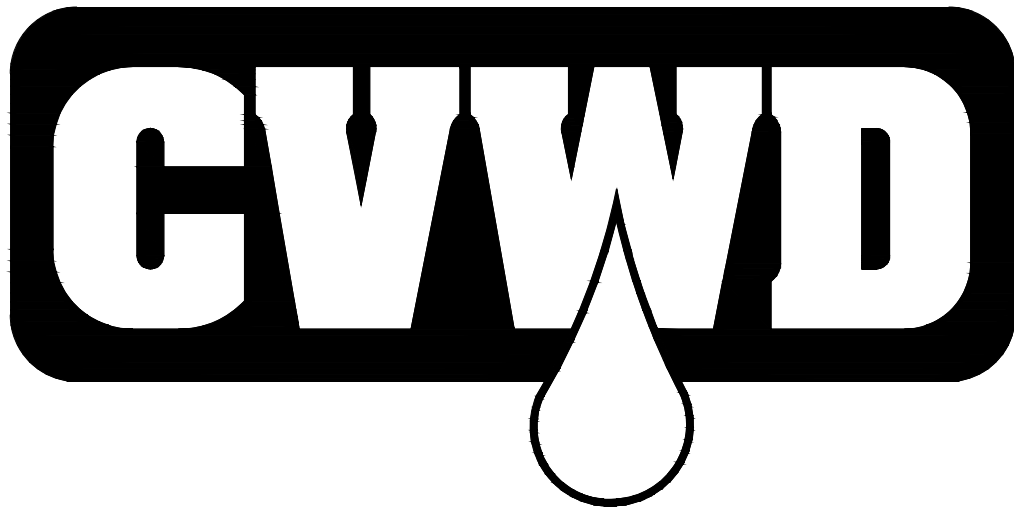
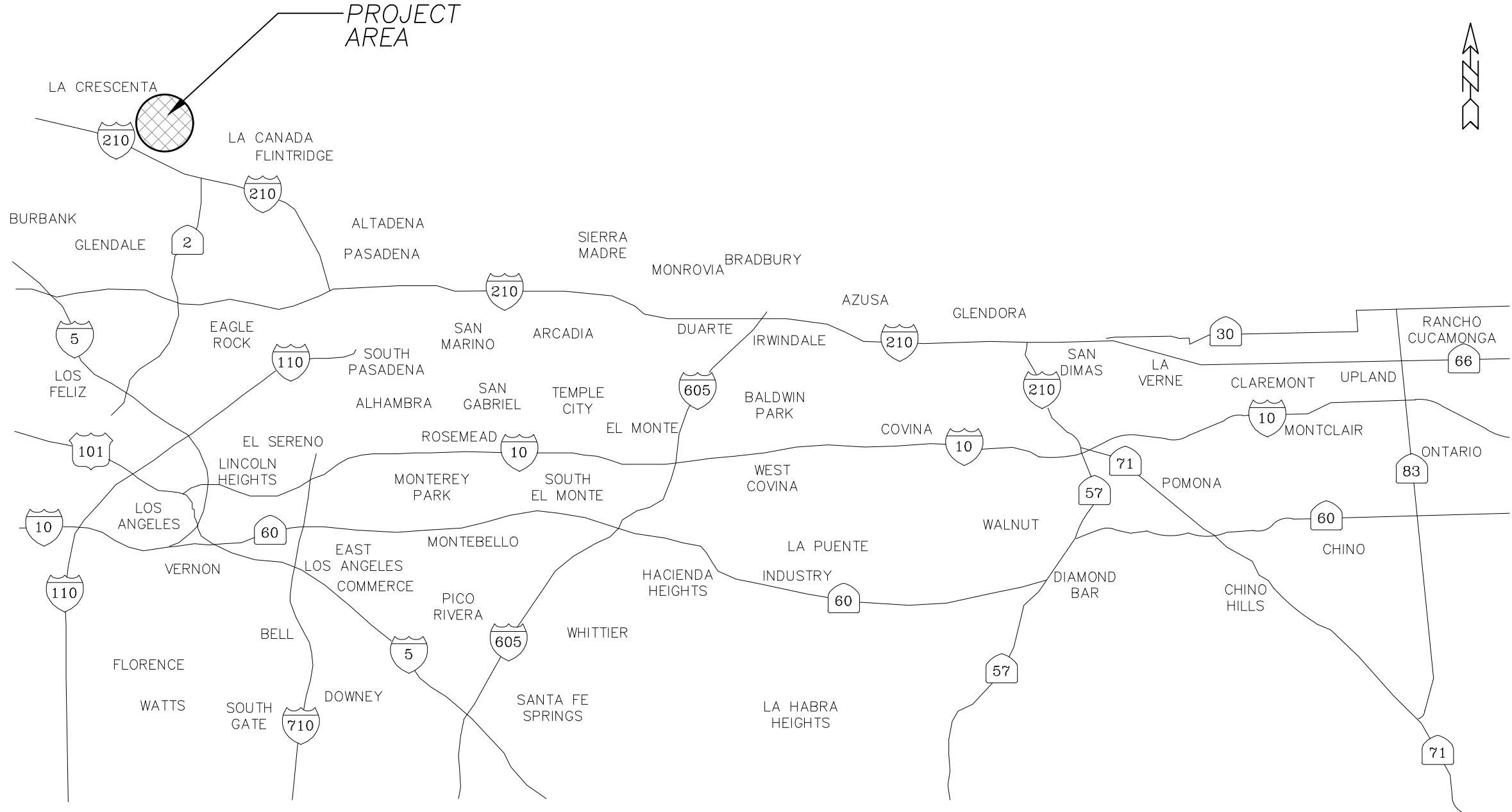


CRESCENTA VALLEY WATER DISTRICT
DESIGN OF FY 22/23
PIPELINE REPLACEMENT PROJECT
PROJECT E-1046



LOCATION MAP
N.T.S.



VICINITY MAP
N.T.S.

CONTACT INFORMATION

OWNER: CRESCENTA VALLEY WATER DISTRICT
2700 FOOTHILL BLVD.
LA CRESCENTA, CA 91214
(818) 248-3925

OWNER'S REPRESENTATIVE: DAVID S. COULD, PE
CRESCENTA VALLEY WATER DISTRICT
2700 FOOTHILL BLVD.
LA CRESCENTA, CA 91214
(818) 248-3925

CIVIL ENGINEER: GARY ROEPKE, PE
CANNON
11900 WEST OLYMPIC BLVD.,
LOS ANGELES, CA 90064
(310) 664-1166

PROJECT SURVEYOR: CANNON
4540 CALIFORNIA AVENUE, SUITE 550
BAKERSFIELD, CA. 93309
(661) 328-6280

SHEET INDEX

SHEET NO.	TITLE	FILE NO.
0	TITLE SHEET	C-467
1	PLAN VIEW - ORANGE AVE	C-468
2	PLAN VIEW - EL ADOBE LN	C-469
3	DETAILS	C-470
4	DETAILS	C-471
5	CHANNEL CROSS SECTION	C-472
6	TYPICAL STREET CROSS SECTIONS	C-473



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 this project.

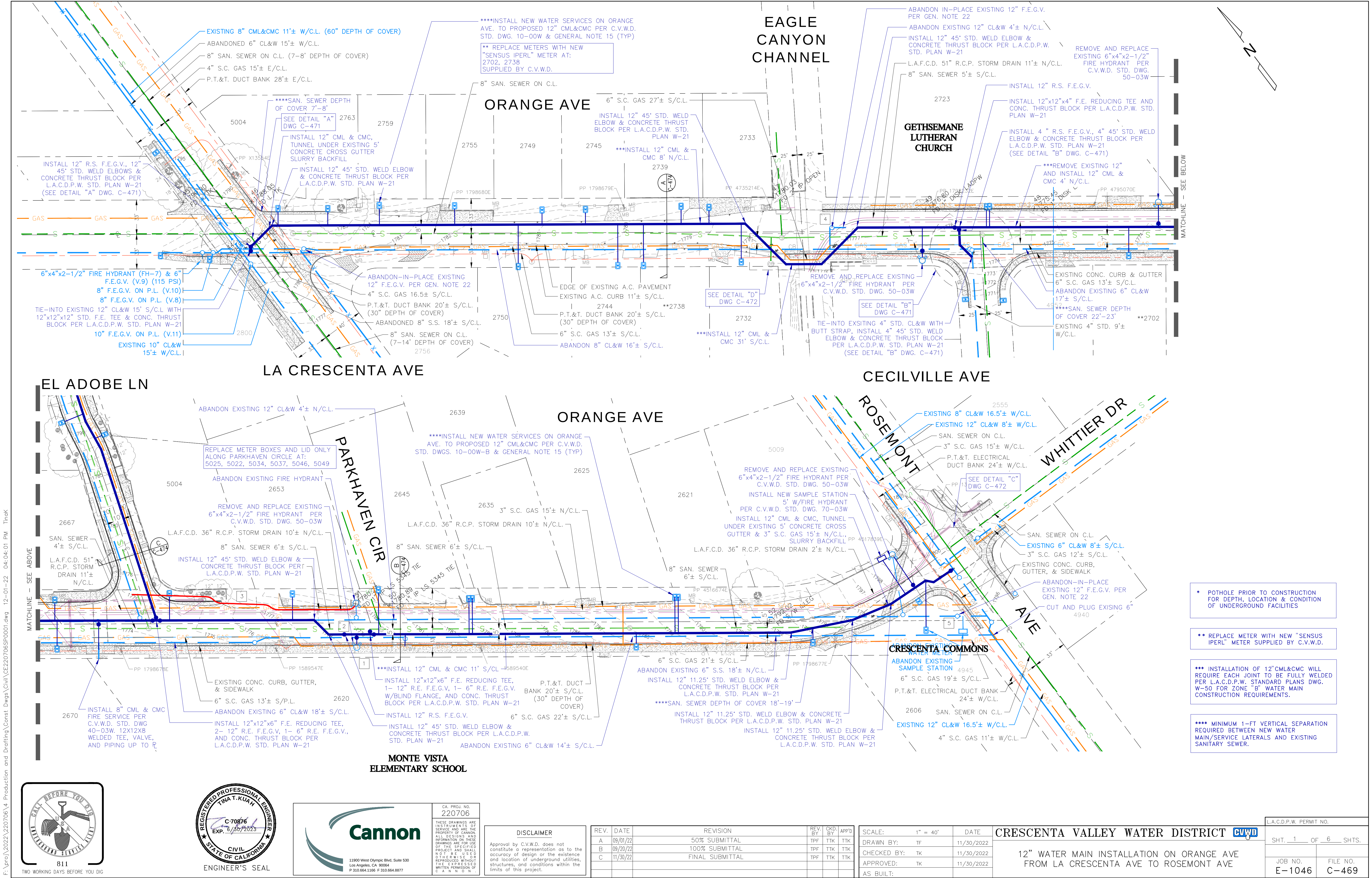
REV.	DATE	REVISION	REV. BY	CHK. BY	APP'D
A	09/01/22	50% SUBMITTAL	TPF	TTK	TTK
B	09/20/22	100% SUBMITTAL	TPF	TTK	TTK
C	12/01/22	FINAL SUBMITTAL	TPF	TTK	TTK

SCALE:	DATE
DRAWN BY: TF	12/01/2022
CHECKED BY: TK	12/01/2022
APPROVED: TK	12/01/2022
AS BUILT:	

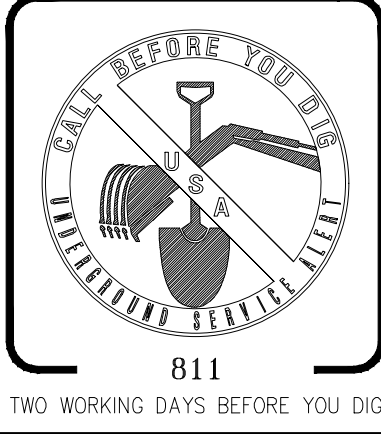
CRESCENTA VALLEY WATER DISTRICT **CVWD**

12" WATER MAIN INSTALLATION ON ORANGE AVE
FROM LA CRESCENTA AVE TO ROSEMONT AVE

L.A.C.D.P.W. PERMIT NO.	
SHT. 0 OF 6 SHTS.	
JOB NO. E-1046	FILE NO. C-468



F:\proj\2022\220706\4 Production and Drafting\Const Dwg\CE220706SP0001.dwg 12--01--22 04:04:01 PM TinaK



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 this project.

REV.	DATE	REVISION	REV. BY	CKD. BY	APP'D.
A	09/01/22	50% SUBMITTAL	TPF	TKK	TKK
B	09/20/22	100% SUBMITTAL	TPF	TKK	TKK
C	11/30/22	FINAL SUBMITTAL	TPF	TKK	TKK

SCALE:	1" = 40'	DATE	11/30/2022
DRAWN BY:	TF	CHECKED BY:	TK
APPROVED:	TK	AS BUILT:	

CRESCENTA VALLEY WATER DISTRICT
12" WATER MAIN INSTALLATION ON ORANGE AVE FROM LA CRESCENTA AVE TO ROSEMONT AVE

SHT. 1 OF 6 SHTS.	
JOB NO. E-1046	FILE NO. C-469

F:\proj\2022\220706\4 Production and Drafting\Const Dwg\Civil\CE220706SP0002.dwg 12-01-22 04:05:00 PM TnkK

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

GENERAL NOTES:

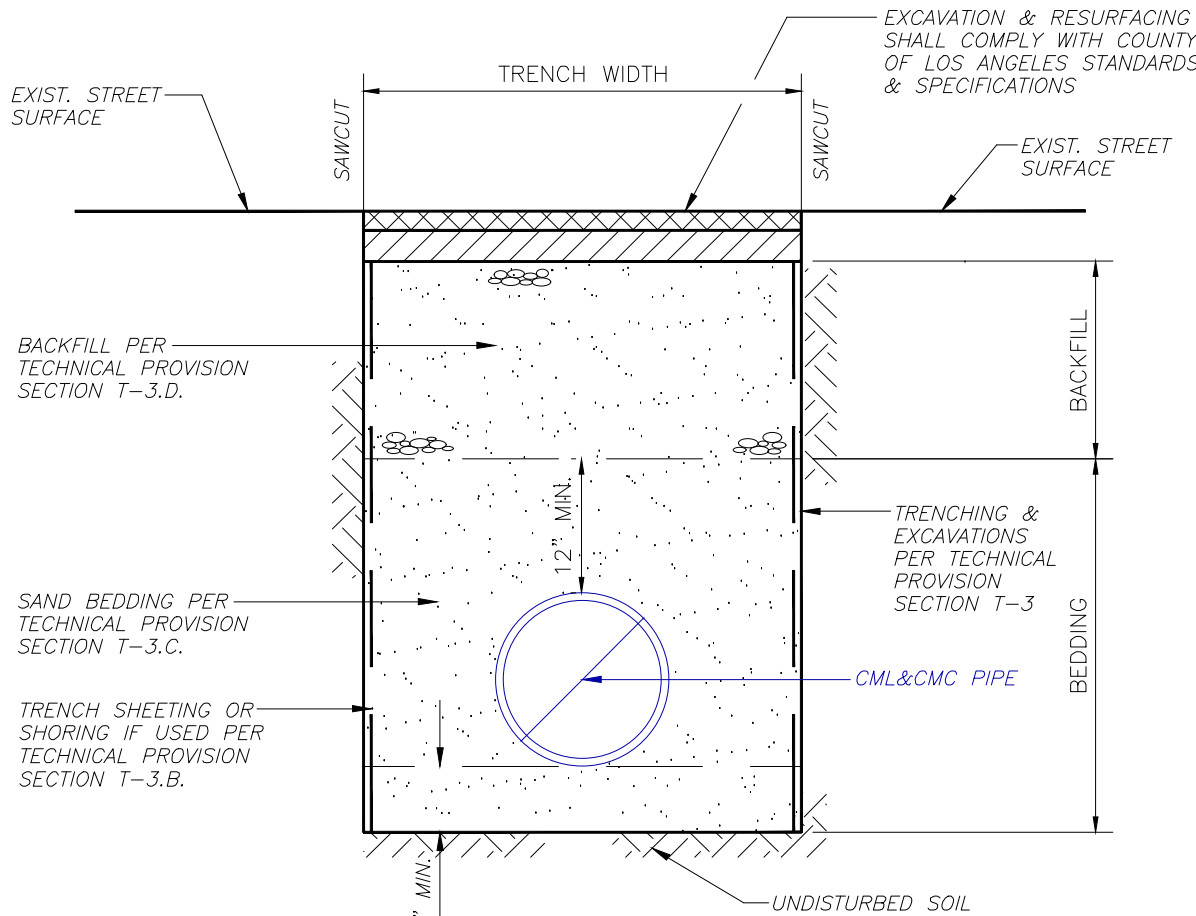
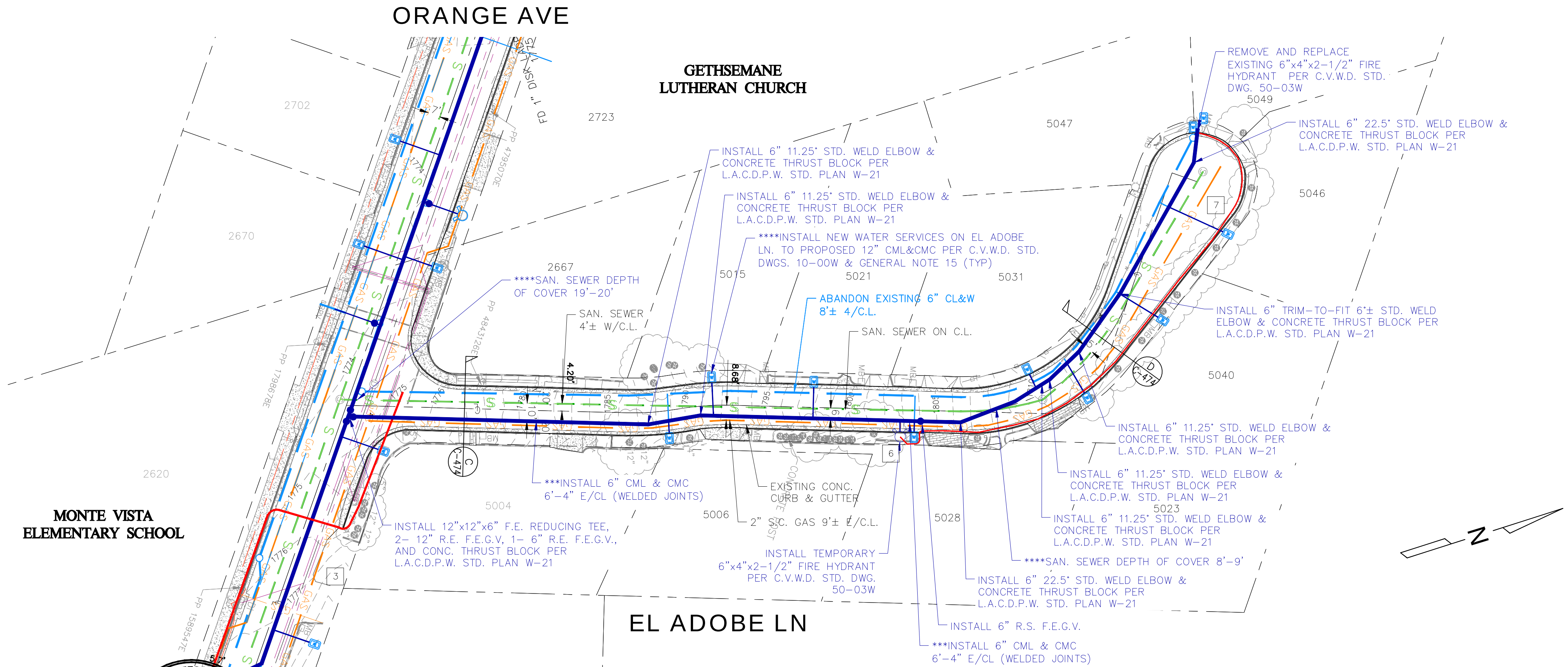
1. THE CONTRACTOR SHALL NOTIFY C.V.W.D. PROJECT ENGINEER CHRISTINA KOPELMAN FIVE (5) WORKING DAYS PRIOR TO STARTING WORK. AT (818) 248-3925.
2. THE DISTRICT WILL EXECUTE ALL SHUT-DOWNS AND TURN-ONS. THE CONTRACTOR SHALL PROVIDE THE DISTRICT WITH AT LEAST (5) WORKING DAYS NOTICE. WATER TIGHT SHUT-DOWNS ARE NOT ASSURED 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. PIPE SHALL HAVE A MINIMUM OF 36 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 MORE THAN 2 INCHES IN 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 MAINS, (AWWA C601) AND 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 CONNECTED TO PROPOSED 6 AND 12 INCH CML&CMC AS REQUIRED 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 DISINFECTING, 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 NOTIFY UNDERGROUND SERVICE ALERT PH. 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 FITTINGS AND SPECIALS SHALL BE FIELD MORTAR LINED (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 CAP. 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).

CONSTRUCTION PHASING PLAN:

1. INSTALL 12" WATERLINE BETWEEN ROSEMONT AVE TO FIRE HYDRANT [1] AT PARKHAVEN CIRCLE. INSTALL GATE VALVE [2] AND CLOSE.
2. DISINFECTION AND PRESSURE TEST OF NEW WATERLINE.
3. PRESSURIZE NEW WATERLINE AND CONNECT FIRE HYDRANTS, SAMPLE STATION, AND WATER SERVICE LATERALS.
4. INSTALL 6" HIGHLINE [3] FROM FIRE HYDRANT [1] AT PARKHAVEN CIRCLE TO THE EXISTING 6" AT EL ADOBE LANE. DISINFECTION AND PRESSURE TEST OF HIGHLINE. PRESSURIZE HIGHLINE AND CONNECT TWO SERVICE LATERALS AT 5004 AND 2653 TO HIGHLINE.
5. INSTALL 12" WATERLINE FROM LA CRESCENTA AVE AND ACROSS EAGLE CANYON CHANNEL.
6. CONNECT THREE SERVICE LATERALS FOR THE GETHSEMANE LUTHERAN CHURCH AND 2667 TO THE EXISTING 6" WATER MAIN ON THE SOUTH SIDE OF ORANGE AVE.
7. CLOSE EXISTING 12" VALVES [4] AND [5].
8. REMOVE EXISTING 12" AND INSTALL NEW 12" WATERLINE FROM EASTSIDE OF EAGLE CANYON CHANNEL TO GATE VALVE [2].
9. DISINFECTION AND PRESSURE TEST OF NEW WATERLINE.
10. PRESSURIZE NEW WATERLINE AND CONNECT FIRE HYDRANTS AND WATER SERVICE LATERALS.
11. INSTALL CONNECTION TO 4" WATERLINE DOWN CECILVILLE AVE, SEE DETAIL "B", SHEET 4.
12. INSTALL 6" WATERLINE ALONG EL ADOBE LN FROM ORANGE TO FRONT OF 5028.
13. INSTALL TEMPORARY FIRE HYDRANT IN FRONT OF 5028. [6]
14. DISINFECTION AND PRESSURE TEST OF NEW WATERLINE.
15. INSTALL 2" HIGHLINE [7] FROM TEMPORARY FIRE HYDRANT TO THE END OF THE EL ADOBE LN. DISINFECTION AND PRESSURE TEST OF HIGHLINE.
16. PRESSURIZE 6" WATERLINE AND 2" HIGHLINE AND CONNECT WATER SERVICE LATERALS. REMOVE 6" HIGHLINE. [3]
17. INSTALL REMAINING 6" WATERLINE TO END OF EL ADOBE LN.
18. MOVE TEMPORARY FIRE HYDRANT TO END OF EL ADOBE LN.
19. PRESSURIZE REMAINING 6" WATERLINE. CONNECT WATER SERVICE LATERALS FROM 2" HIGHLINE TO THE NEW 6" WATERLINE.

NOTES:

1. SEE SHEETS 1 AND 2 FOR LOCATION OF [X] INDICATED IN THE ABOVE PHASING PLAN.
2. THIS PHASING PLAN IS NOT ALL INCLUSIVE. CONTRACTOR TO SUBMIT PHASING PLAN INCLUDING ABANDONMENT OF PIPELINES FOR REVIEW AND APPROVAL.
3. CONTRACTOR TO PROVIDE SHUTDOWN PLAN AS A SUBMITTAL MINIMUM OF TWO WEEKS BEFORE START OF CONSTRUCTION. MAXIMUM FOUR HOUR HSUT DOWN AND PROVIDE 48 HOUR NOTICE.



TYP. TRENCH DETAIL

N.T.S.

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

** REPLACE METER WITH NEW "SENSUS IPERL" METER SUPPLIED BY C.V.W.D.

*** INSTALLATION OF 6" 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.

**** MINIMUM 1'-FT VERTICAL SEPARATION REQUIRED BETWEEN NEW WATER MAIN/SERVICE LATERALS AND EXISTING SANITARY SEWER.



CA. PROJ. NO.
220706
THESE DRAWINGS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF CANNON ENGINEERING. NO PARTS OF THESE DRAWINGS ARE TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF CANNON ENGINEERING.

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 this project.

REV.	DATE	REVISION
A	09/01/22	50% SUBMITTAL
B	09/20/22	100% SUBMITTAL
C	12/01/22	FINAL SUBMITTAL

REV.	DATE	REVISION
A	09/01/22	50% SUBMITTAL
B	09/20/22	100% SUBMITTAL
C	12/01/22	FINAL SUBMITTAL

REV.	DATE	REVISION
A	09/01/22	50% SUBMITTAL
B	09/20/22	100% SUBMITTAL
C	12/01/22	FINAL SUBMITTAL

REV.	DATE	REVISION
A	09/01/22	50% SUBMITTAL
B	09/20/22	100% SUBMITTAL
C	12/01/22	FINAL SUBMITTAL

REV.	DATE	REVISION
A	09/01/22	50% SUBMITTAL
B	09/20/22	100% SUBMITTAL
C	12/01/22	FINAL SUBMITTAL

REV.	DATE	REVISION
A	09/01/22	50% SUBMITTAL
B	09/20/22	100% SUBMITTAL
C	12/01/22	FINAL SUBMITTAL

REV.	DATE	REVISION
A	09/01/22	50% SUBMITTAL
B	09/20/22	100% SUBMITTAL
C	12/01/22	FINAL SUBMITTAL

REV.	DATE	REVISION
A	09/01/22	50% SUBMITTAL
B	09/20/22	100% SUBMITTAL
C	12/01/22	FINAL SUBMITTAL

REV.	DATE	REVISION
A	09/01/22	50% SUBMITTAL
B	09/20/22	100% SUBMITTAL
C	12/01/22	FINAL SUBMITTAL

REV.	DATE	REVISION
A	09/01/22	50% SUBMITTAL
B	09/20/22	100% SUBMITTAL
C	12/01/22	FINAL SUBMITTAL

REV.	DATE	REVISION
A	09/01/22	50% SUBMITTAL
B	09/20/22	100% SUBMITTAL
C	12/01/22	FINAL SUBMITTAL

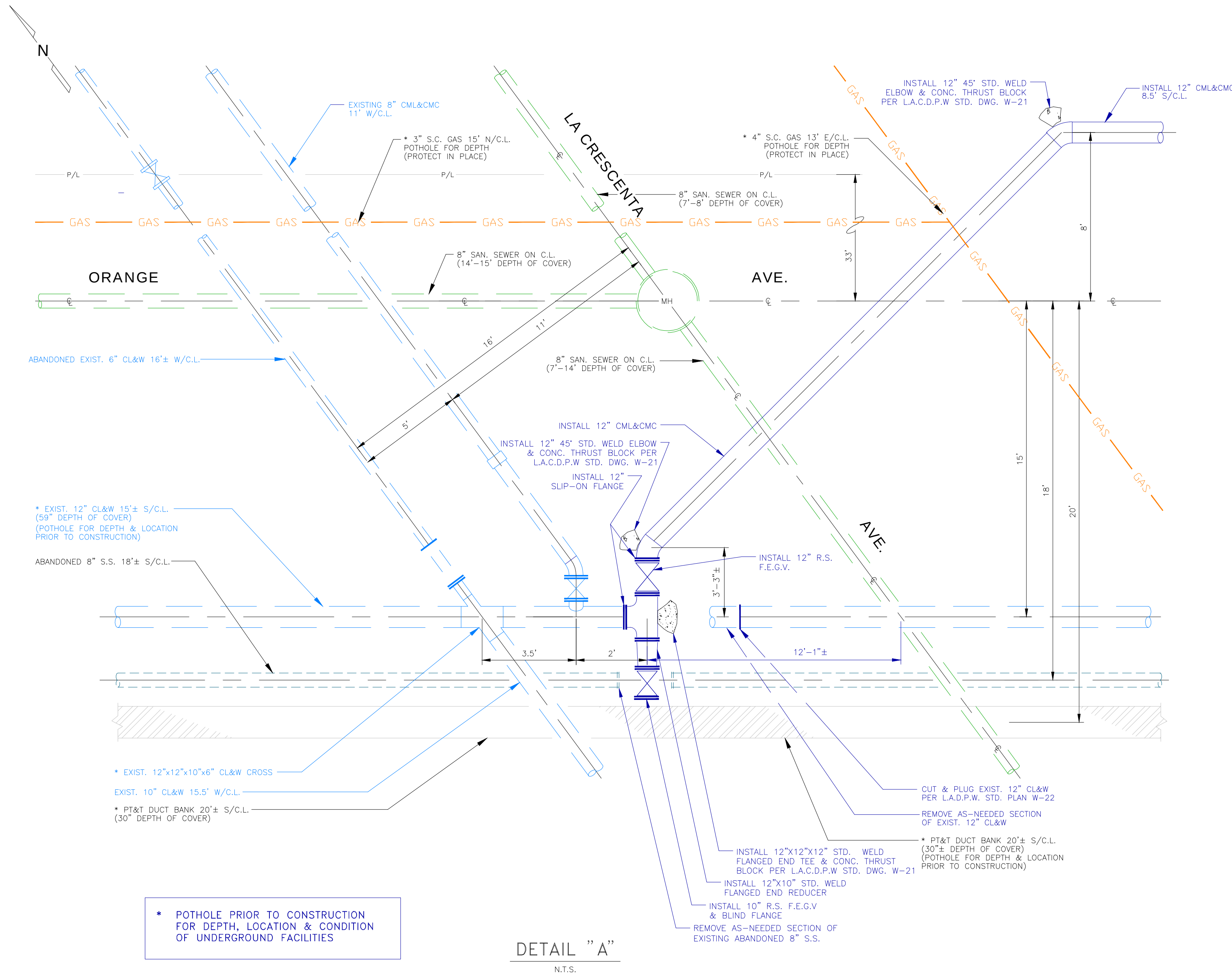
REV.	DATE	REVISION
A	09/01/22	50% SUBMITTAL
B	09/20/22	100% SUBMITTAL
C	12/01/22	FINAL SUBMITTAL

REV.	DATE	REVISION
A	09/01/22	50% SUBMITTAL
B	09/20/22	100% SUBMITTAL
C	12/01/22	FINAL SUBMITTAL

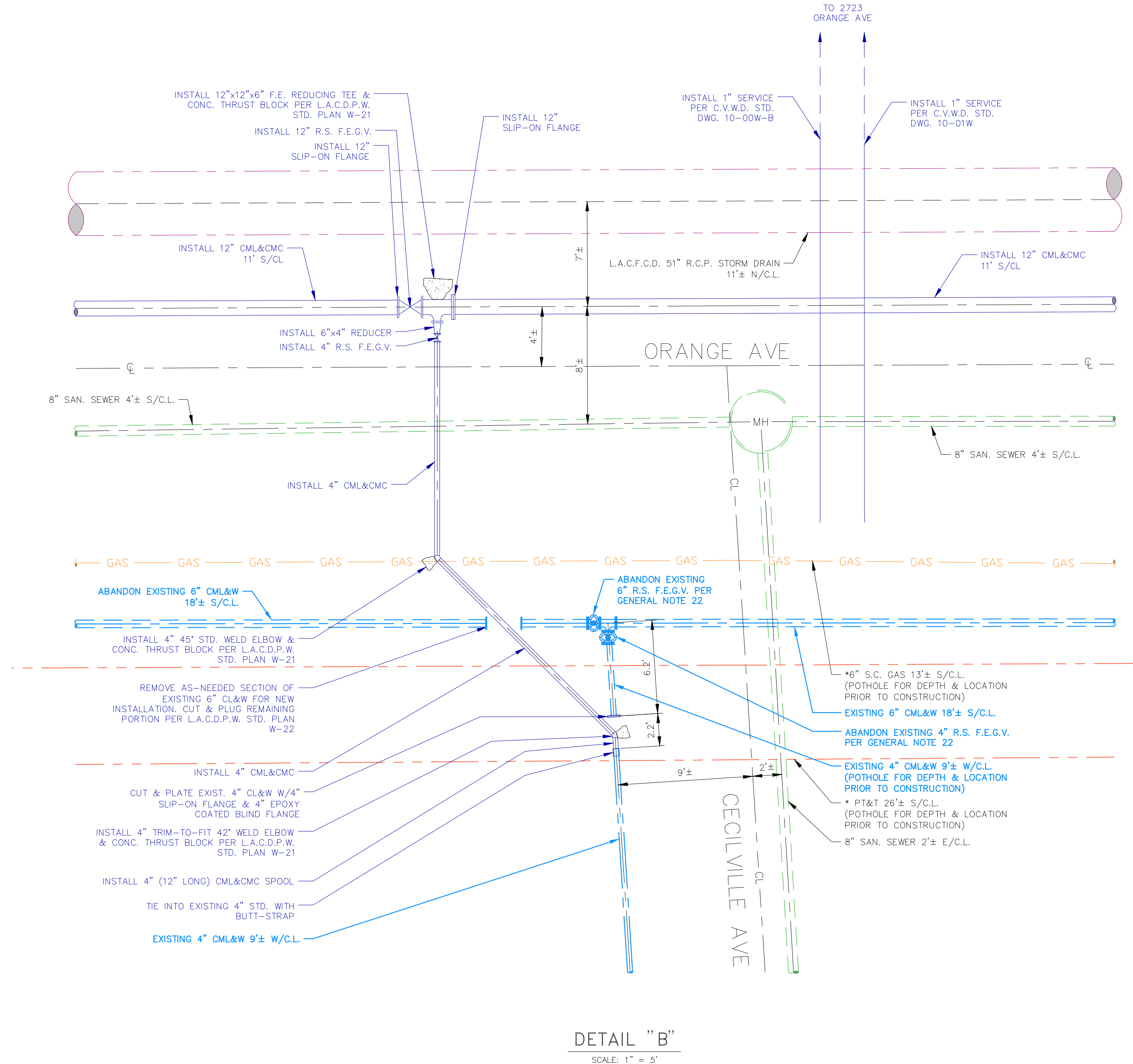
CRESCENTA VALLEY WATER DISTRICT 6" WATER MAIN INSTALLATION ON EL ADOBE LN FROM ORANGE AVE TO N'LY TERMINUS

L.A.C.D.P.W. PERMIT NO.	
SHT. 2 OF 6 SHTS.	
JOB NO. E-1046	FILE NO. C-470

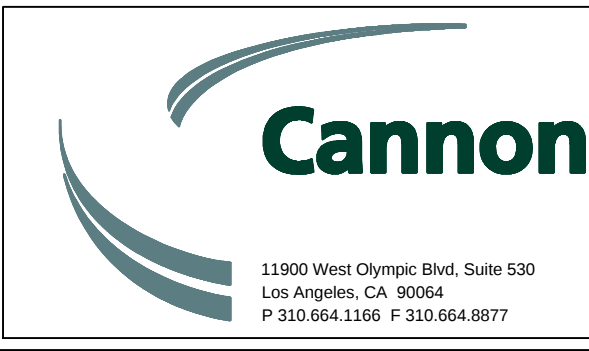
F:\proj\2022\220706\4 Production and Drafting\Const Dwg\CE220706SD0001.dwg 12-01-22 04:05:34 PM TnoK



DETAIL "A"
N.T.S.



DETAIL "B"
SCALE: 1" = 5'



CA. PROJ. NO.
220706

THESE DRAWINGS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF CANNON. ALL DESIGNS AND INFORMATION ON THESE DRAWINGS ARE FOR USE OF THE SPECIFIED PROJECT AND SHALL NOT BE REUSED OR REPRODUCED WITHOUT THE EXPRESSED WRITTEN PERMISSION OF CANNON.

DISCLAIMER

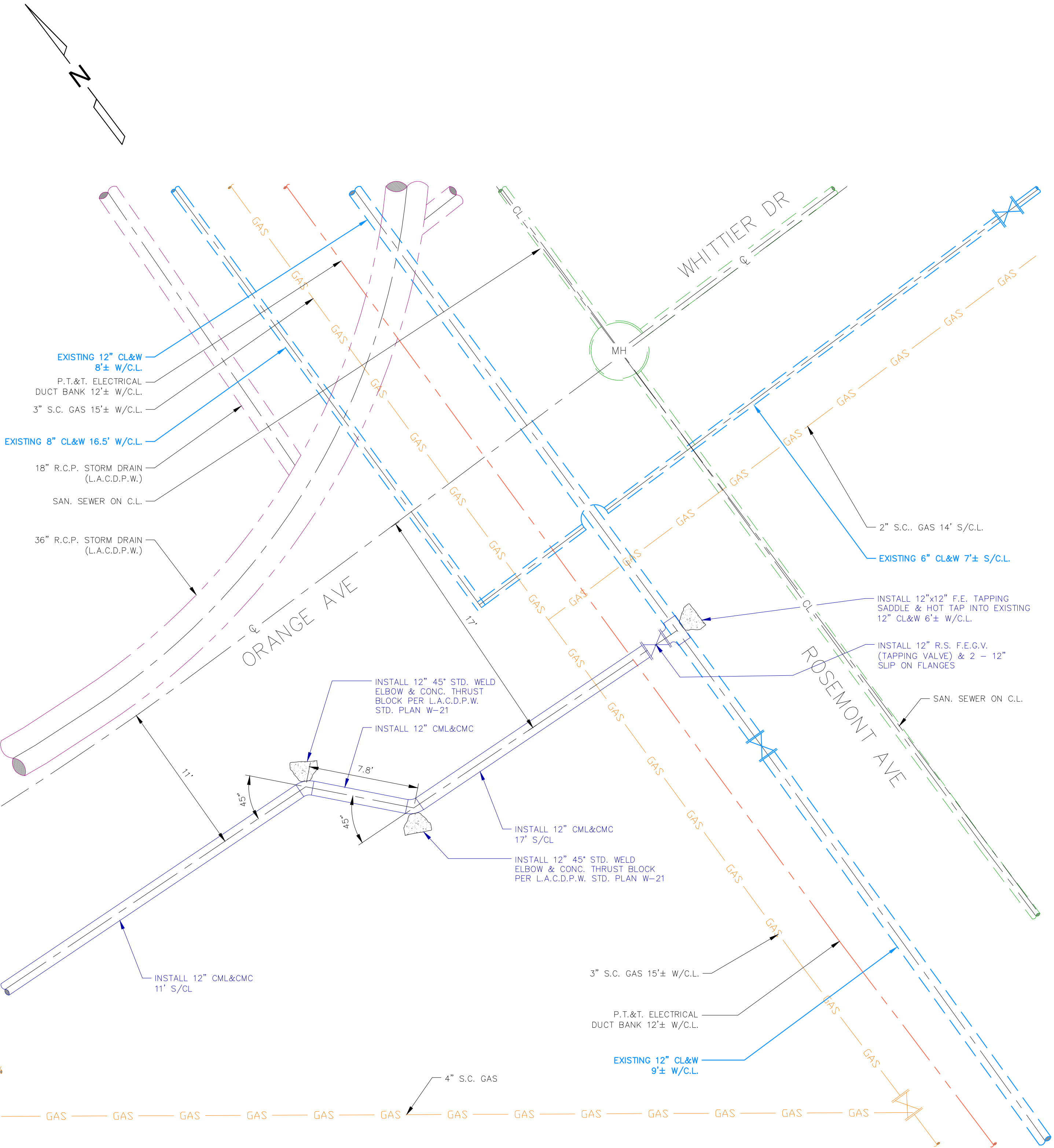
Approval by C.V.W.D. does not constitute a representation as to the accuracy of design or the existence and location of underground utilities, structures, and conditions within the limits of this project.

REV.	DATE	REVISION	REV. BY	CKD. BY	APP'D.
A	09/01/22	50% SUBMITTAL	TPF	TTK	TTK
B	09/20/22	100% SUBMITTAL	TPF	TTK	TTK
C	12/01/22	FINAL SUBMITTAL	TPF	TTK	TTK

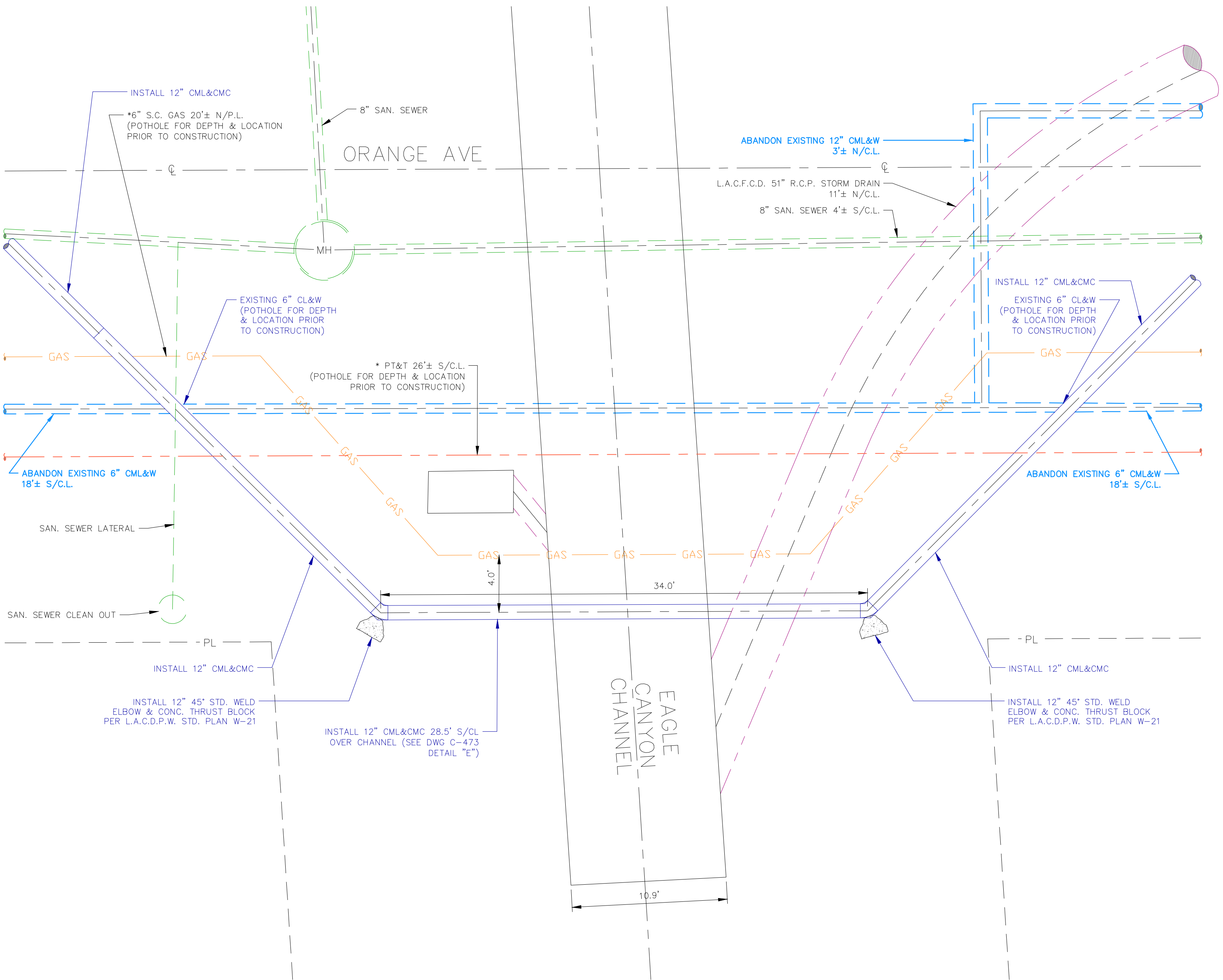
SCALE:	1" = 5'	DATE	12/01/2022
DRAWN BY:	TF	CHECKED BY:	TK
APPROVED:	TK	DATE	12/01/2022
AS BUILT:			

CRESCENTA VALLEY WATER DISTRICT		L.A.C.D.P.W. PERMIT NO.	
12" WATER MAIN INSTALLATION ON ORANGE AVE FROM LA CRESCENTA AVE TO ROSEMONT AVE (DETAILS)		SHT. 3 OF 6 SHTS.	
JOB NO. E-1046	FILE NO. C-471		

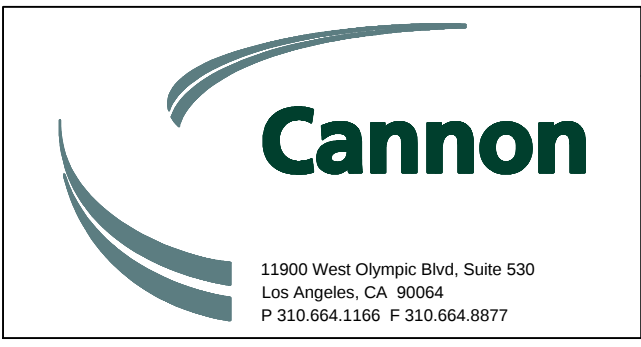
F:\proj\2022\220706\4 Production and Drafting\Const Dwgs\Civil\CE220706DS0002.dwg 12-01-22 04:06:08 PM TtkK



DETAIL "C"
SCALE: 1" = 5'



DETAIL "D"
SCALE: 1" = 5'



CA. PROJ. NO.
220706

THESE DRAWINGS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF CANNON. ALL DESIGNS AND INFORMATION ON THESE DRAWINGS ARE FOR USE OF THE SPECIFIED PROJECT AND SHALL NOT BE USED OTHERWISE OR REPRODUCED WITHOUT THE EXPRESSED WRITTEN PERMISSION OF CANNON.

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 this project.

REV.	DATE	REVISION
A	09/01/22	50% SUBMITTAL
B	09/20/22	100% SUBMITTAL
C	12/01/22	FINAL SUBMITTAL

REV. BY	CKD. BY	APP'D.
TPF	TTK	TTK
TPF	TTK	TTK

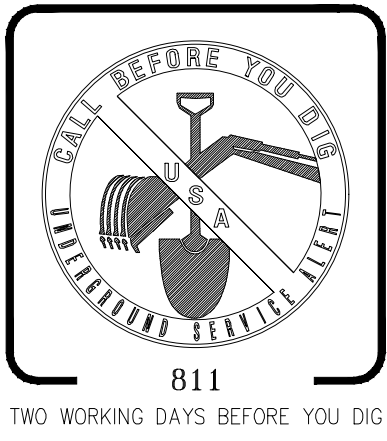
SCALE:	1" = 5'	DATE
DRAWN BY:	TF	12/01/2022
CHECKED BY:	TK	12/01/2022
APPROVED:	TK	12/01/2022
AS BUILT:		

CRESCENTA VALLEY WATER DISTRICT

12" WATER MAIN INSTALLATION ON ORANGE AVE
FROM LA CRESCENTA AVE TO ROSEMONT AVE
(DETAILS)

L.A.C.D.P.W. PERMIT NO.	
SHT. 4	OF 6 SHTS.
JOB NO. E-1046	FILE NO. C-472

F:\proj\2022\220706\4 Production and Drafting\Const Dwgs\Civil\CE220706DS0003.dwg 12-01-22 04:06:27 PM Ttk





11900 West Olympic Blvd, Suite 530
Los Angeles, CA 90064
P 310.664.1166 F 310.664.8877

CA. PROJ. NO.
220706

THESE DRAWINGS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF CANNON. ALL DESIGNS AND INFORMATION ON THESE DRAWINGS ARE FOR USE OF THE SPECIFIED PROJECT AND SHALL NOT BE USED OTHERWISE OR REPRODUCED WITHOUT THE EXPRESSED WRITTEN PERMISSION OF CANNON.

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 this project.

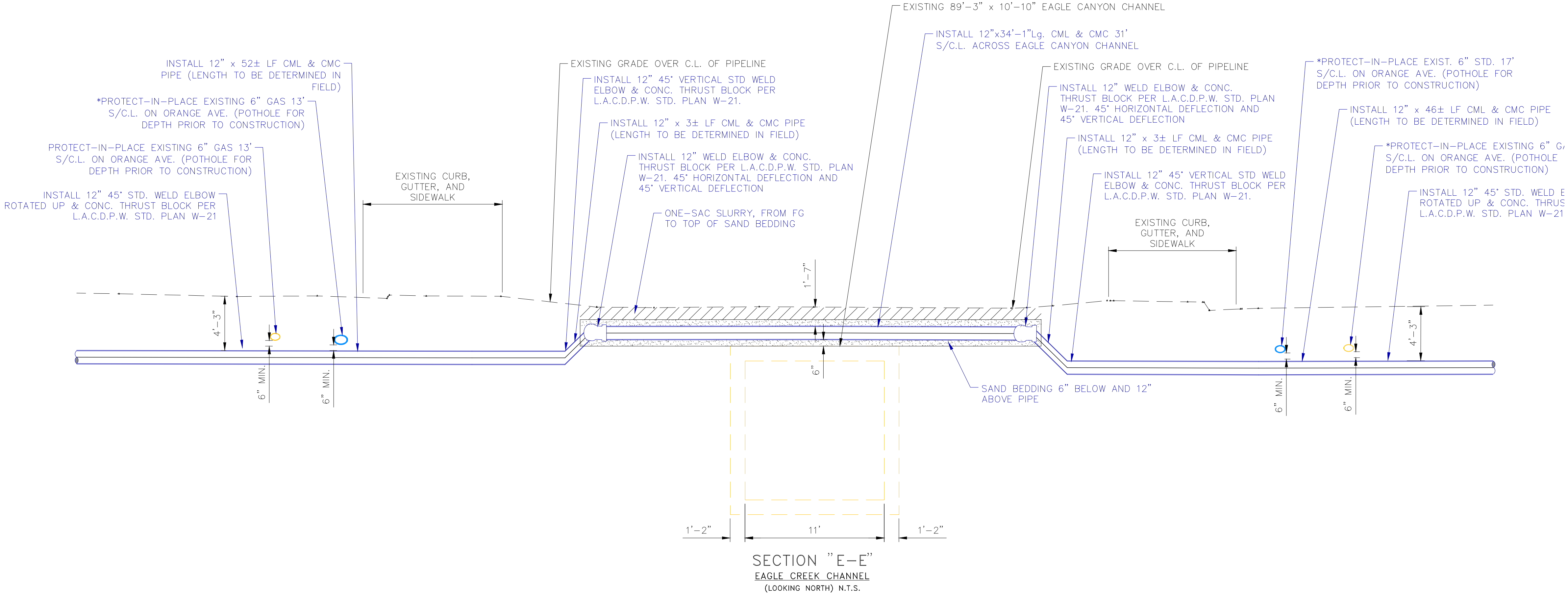
REV.	DATE	REVISION	REV. BY	CKD. BY	APP'D.
A	09/01/22	50% SUBMITTAL	TPF	TTK	TTK
B	09/20/22	100% SUBMITTAL	TPF	TTK	TTK
C	12/01/22	FINAL SUBMITTAL	TPF	TTK	TTK

SCALE:	PER PLAN	DATE
DRAWN BY:	TF	12/01/2022
CHECKED BY:	TK	12/01/2022
APPROVED:	TK	12/01/2022
AS BUILT:		

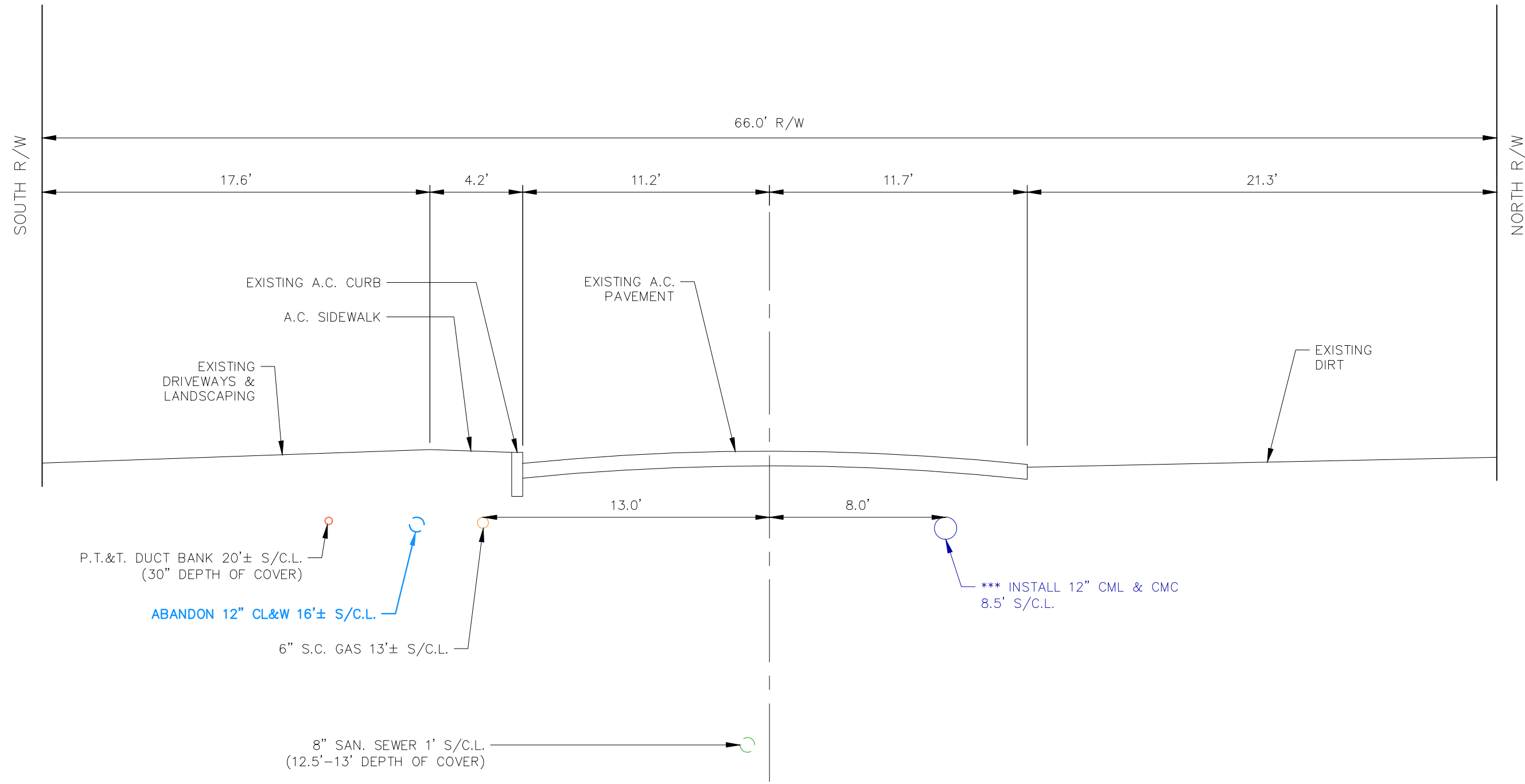
CRESCENTA VALLEY WATER DISTRICT 

12" WATER MAIN INSTALLATION ON ORANGE AVE
FROM LA CRESCENTA AVE TO ROSEMONT AVE
(CHANNEL CROSS SECTION)

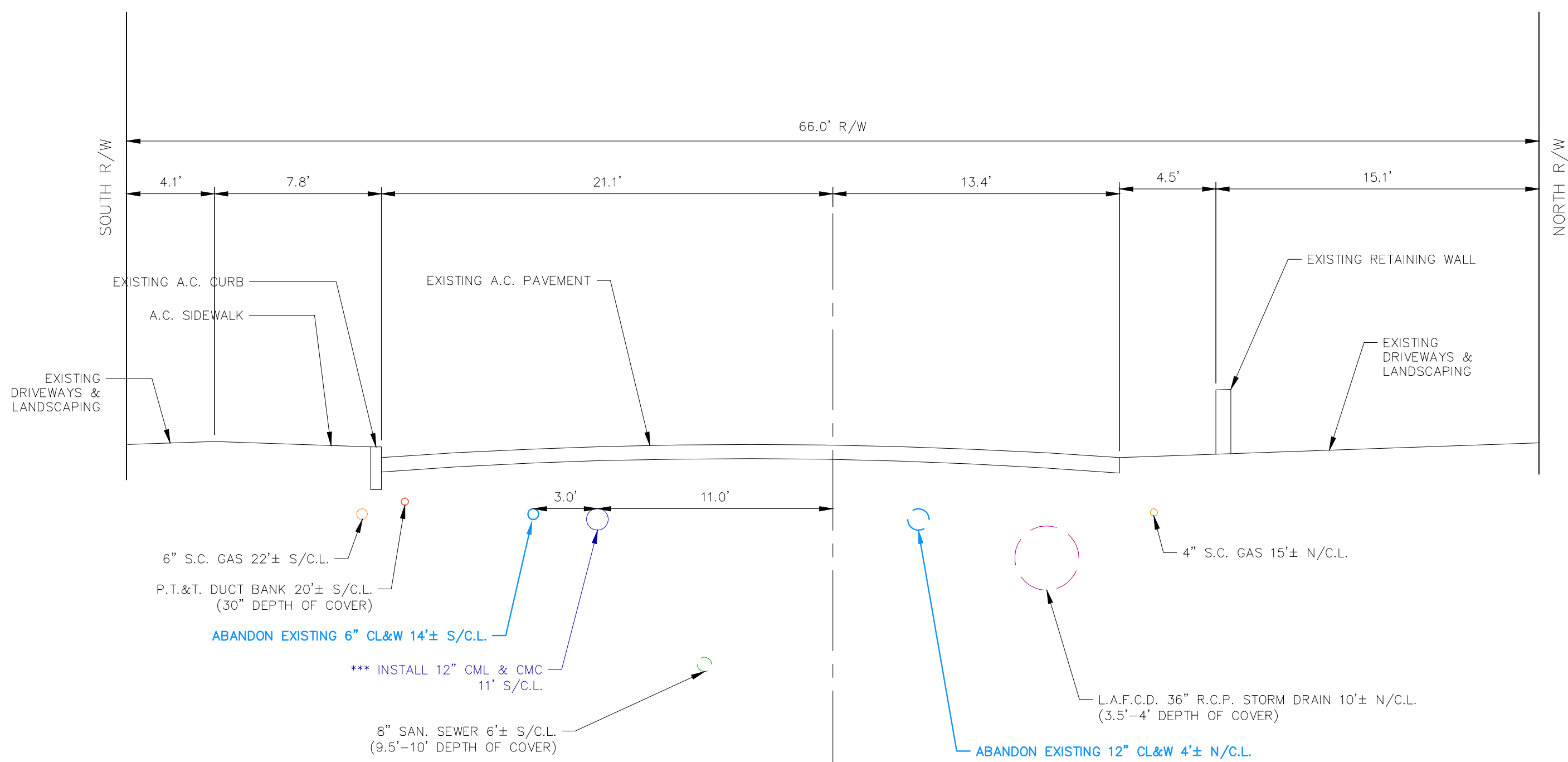
L.A.C.D.P.W. PERMIT NO.	
SHT. 5 OF 6 SHTS.	
JOB NO. E-1046	FILE NO. C-473



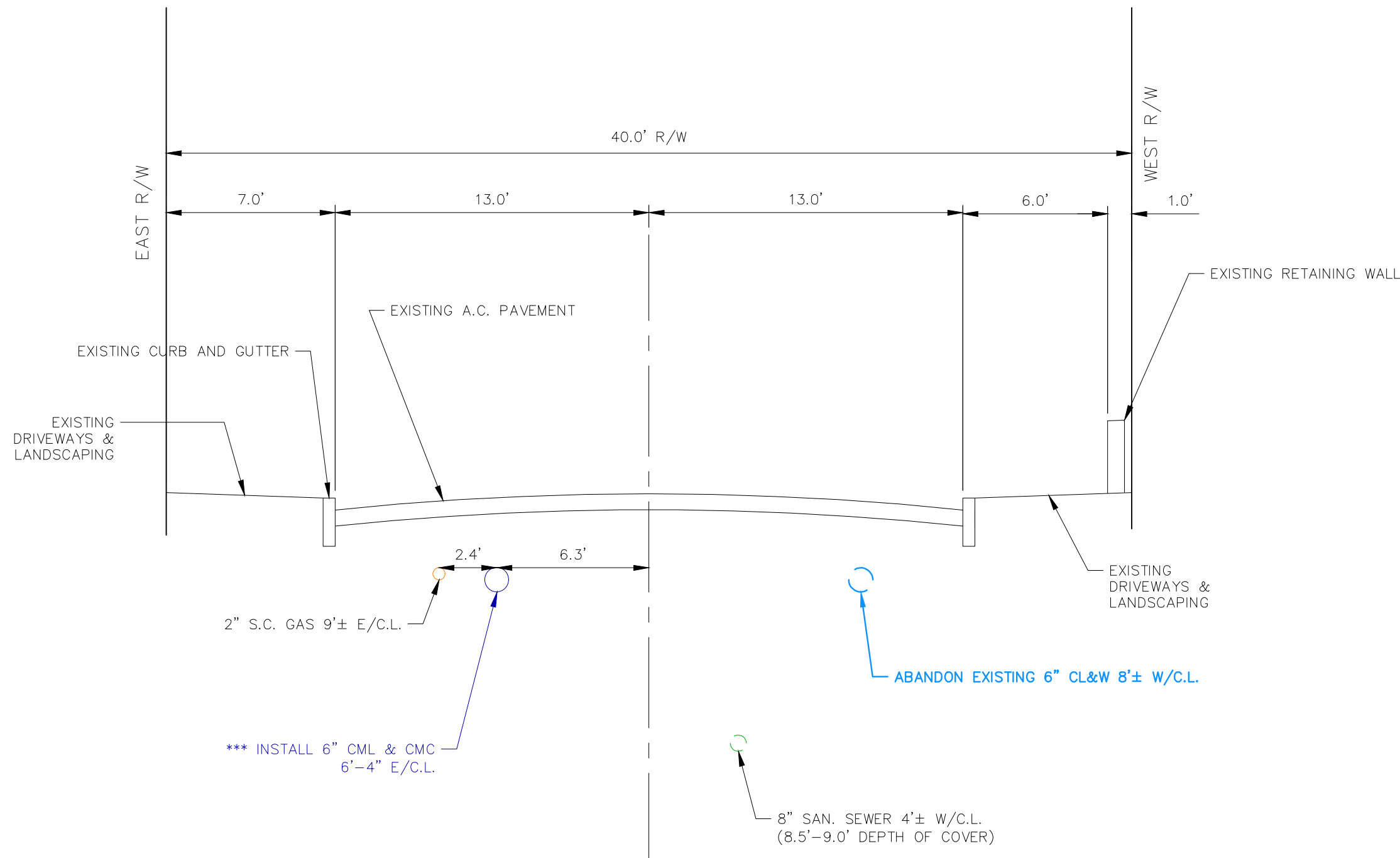
F:\proj\2022\220706\4 Production and Drafting\Const Dwg\City\CE220706SD0004.dwg 12-01-22 04:07:15 PM TmkK



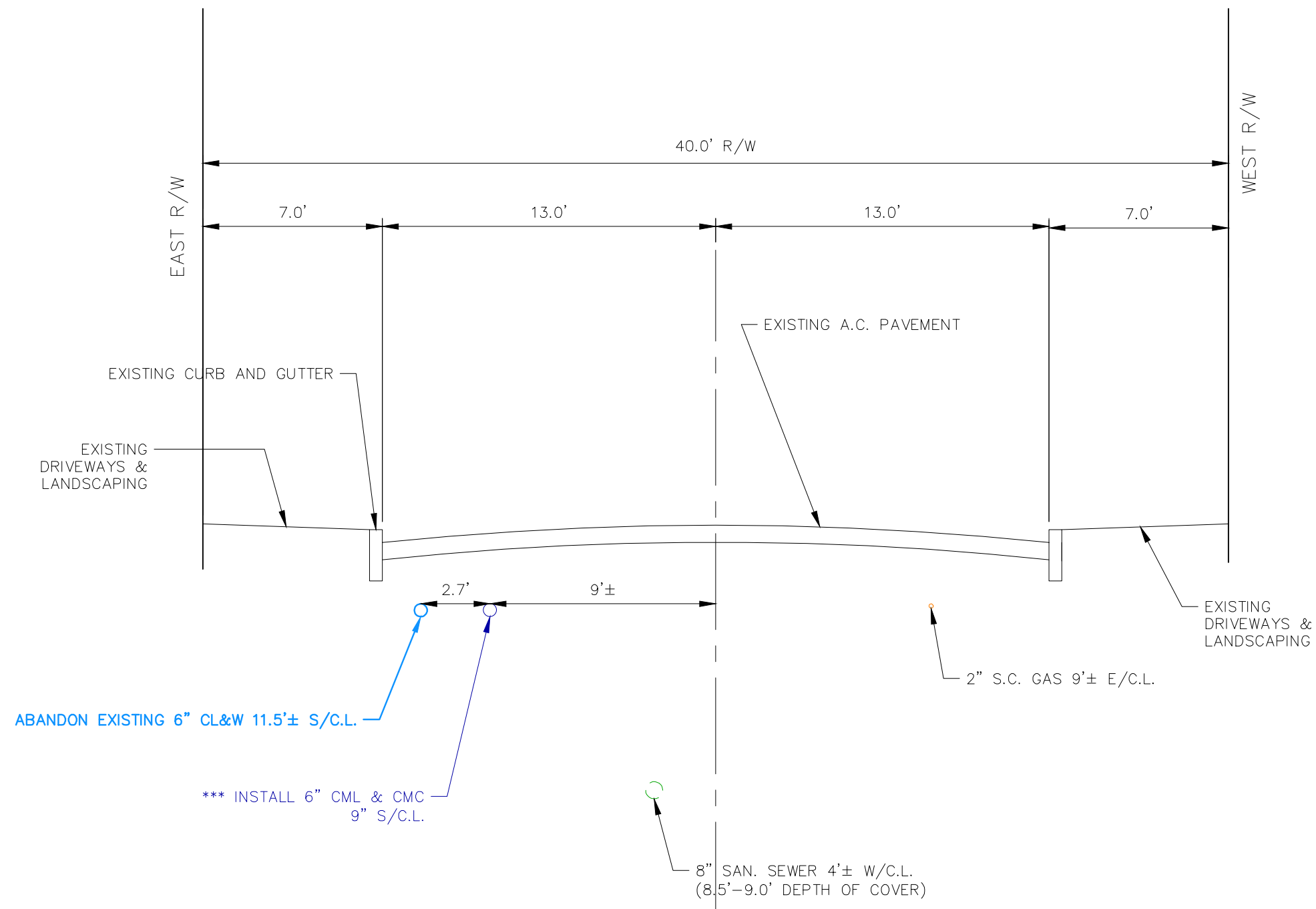
BLOCK NO. 2700 ORANGE AVE - SECTION "A"
SCALE: 1" = 5'



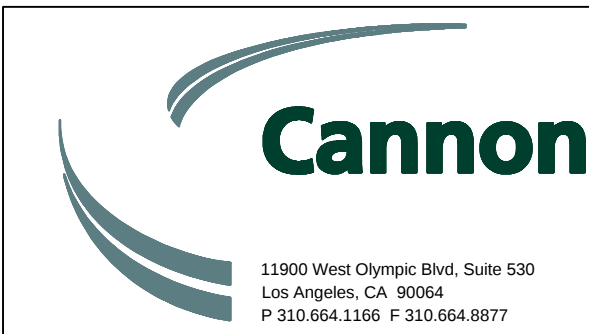
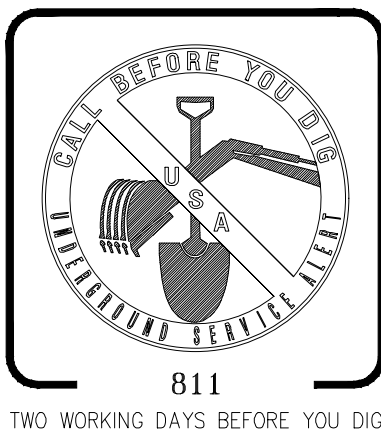
BLOCK NO. 2600 ORANGE AVE - SECTION "B"
SCALE: 1" = 5'



BLOCK NO. 5000 EL ADOBE LN - SECTION "C"
SCALE: 1" = 5'



BLOCK NO. 5000 EL ADOBE LN - SECTION "D"
SCALE: 1" = 5'



CA. PROJ. NO.
220706
THESE DRAWINGS ARE
INSTRUMENTS OF
SERVICE AND ARE THE
PROPERTY OF CANNON
ALL DESIGNS AND
INFORMATION ON THESE
DRAWINGS ARE FOR USE
OF THE SPECIFIED
PROJECT AND SHALL
NOT BE USED FOR
OTHERWISE OR
REPRODUCED WITHOUT
THE EXPRESSED
WRITTEN PERMISSION OF
CANNON

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 this project.

REV.	DATE	REVISION
A	09/01/22	50% SUBMITTAL
B	09/20/22	100% SUBMITTAL
C	12/01/22	FINAL SUBMITTAL

REV.	CHKD.	APP'D.
TPF	TTK	TTK
TPF	TTK	TTK

SCALE:	1" = 5'	DATE
DRAWN BY:	TF	12/01/2022
CHECKED BY:	TK	12/01/2022
APPROVED:	TK	12/01/2022
AS BUILT:		

CRESCENTA VALLEY WATER DISTRICT	CWWD
---------------------------------	------

12" WATER MAIN INSTALLATION ON ORANGE AVE
FROM LA CRESCENTA AVE TO ROSEMONT AVE
(TYPICAL STREET CROSS SECTIONS)

L.A.C.D.P.W. PERMIT NO.	
SHT. 6 OF 6 SHTS.	
JOB NO. E-1046	FILE NO. C-474