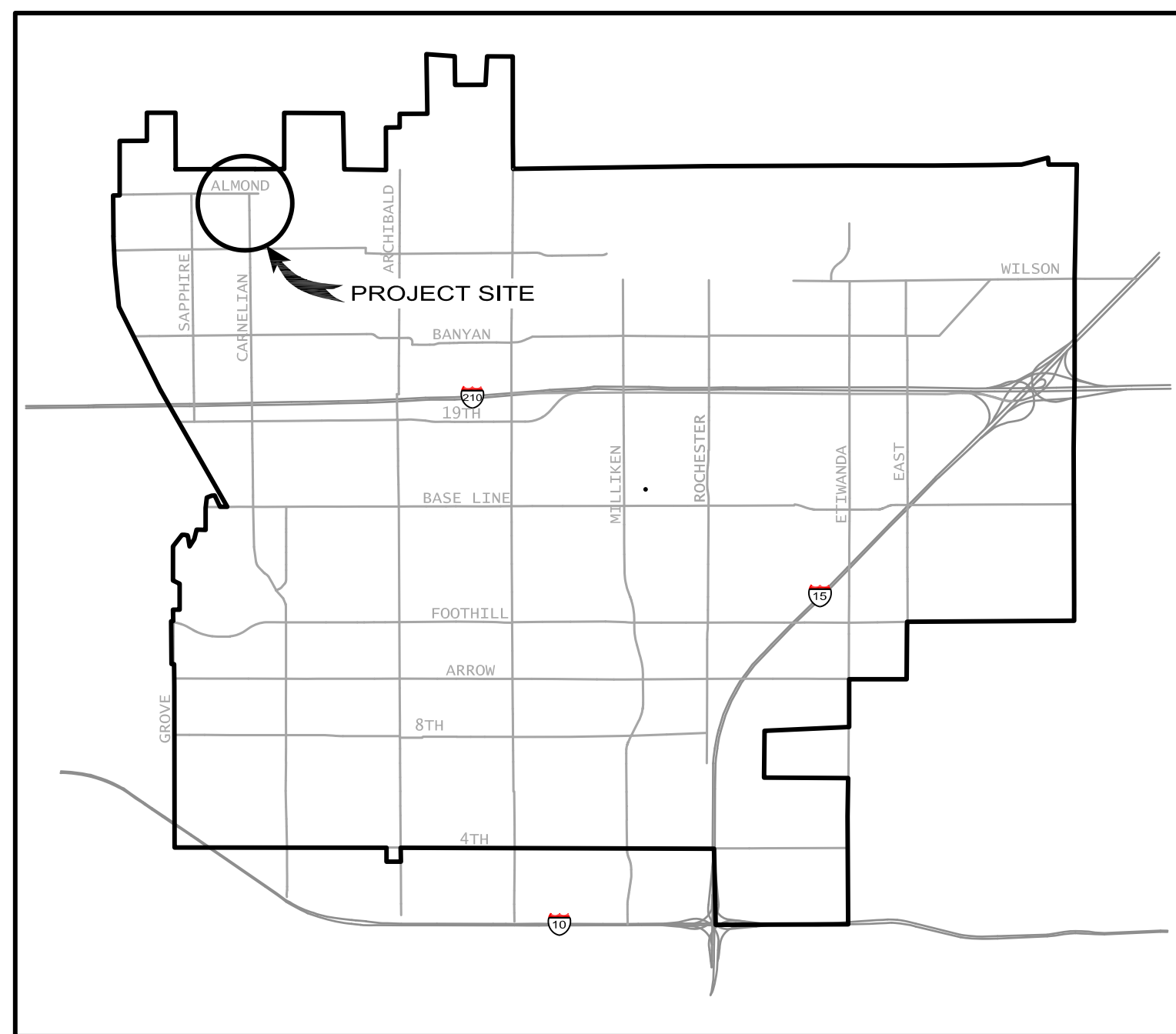




Cucamonga Valley Water District

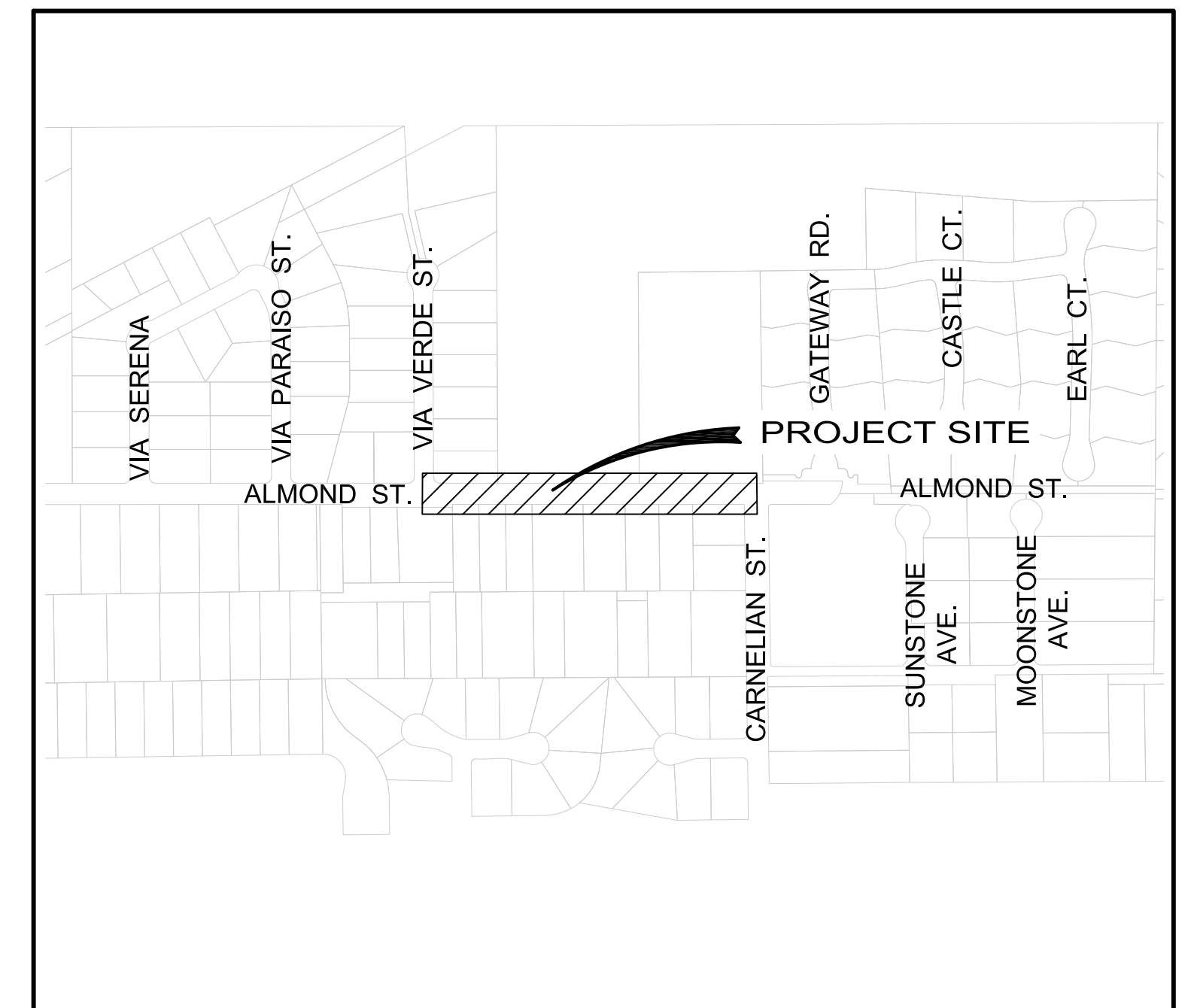
CONSTRUCT WATERLINE IN ALMOND ST. FROM VIA VERDE ST. TO CARNELIAN ST. CP26031 JANUARY 2026



VICINITY MAP
N.T.S.

SHEET INDEX

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LOCATION MAP
N.T.S.

NOTICE TO CONTRACTOR

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF AVAILABLE RECORDS, TO THE BEST OF OUR KNOWLEDGE. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN ON THESE DRAWINGS. THE CONTRACTOR FURTHER ASSUMES ALL LIABILITY AND RESPONSIBILITY FOR THE UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN OR NOT SHOWN ON THESE DRAWINGS.

THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OR CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.

CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND SHALL REPORT ALL DISCREPANCIES TO THE OWNER PRIOR TO THE COMMENCEMENT OF WORK.

Lastsaved: TYLERB Q:\CADD\CADD Drawings\CADD Drawings\Cp-26031 (Construct Waterline in Almond St from Via Verde to Carnelian)\dwg\CP26031 - Plan and Profile.dwg 1/14/2026 4:46 PM

REV.	DESCRIPTION	DATE	APP'D

Underground Service Alert
Call: TOLL FREE
811
TWO WORKING DAYS BEFORE YOU DIG



PLANS APPROVED BY:
Tuan Truong
TUAN TRUONG, P.E.,
ENGINEERING MANAGER (CAPITAL & DEVELOPMENT)
DATE: 1-14-26 R.C.E. 80604 EXP. 03-31-27

DESIGNED BY: TUAN T.
DRAWN BY: TYLER B.
CHECKED BY: TUAN T.
DATE: 12/10/25
BAR SCALE BELOW IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.

16" WATERLINES IN ALMOND ST
CP26031 - PLAN AND PROFILE
TITLE SHEET

G-1
AB
SHT. 1 OF 8

W.O. CP26031

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WATER GENERAL NOTES

- ALL WORK TO BE PERFORMED ON THIS PROJECT SHALL MEET WITH THE APPROVAL OF THE CUCAMONGA VALLEY WATER DISTRICT'S INSPECTOR AND SHALL COMPLY WITH THE LATEST EDITION OF THE CONTRACT DRAWINGS, CUCAMONGA VALLEY WATER DISTRICT'S STANDARD DRAWINGS, STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION (GREENBOOK), AND CITY'S STANDARD SPECIFICATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR SECURING FROM THE CUCAMONGA VALLEY WATER DISTRICT COPIES OF THE LATEST PLANS, SPECIFICATIONS AND STANDARD DRAWING PRIOR TO START OF CONSTRUCTION. ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS MUST BE ACCEPTED BY THE OWNER OR ENGINEER IN WRITING PRIOR TO THE WORK BEING DONE. ANY DEVIATIONS PERFORMED WITHOUT WRITTEN ACCEPTANCE WILL NOT BE PAID AND MAYBE REQUIRED TO BE REDONE AT THE CONTRACTOR'S EXPENSE.
- MATERIALS TO BE PROVIDED BY CVWD ARE LISTED IN THE DRAWINGS OR SPECIFICATIONS. THE CONTRACTOR SHALL REVIEW THE LIST OF MATERIALS TO BE PROVIDED. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE AND INSTALL ANY AND ALL ITEMS NOT SHOWN ON THE LIST AS NECESSARY TO FURNISH A FULL, COMPLETE AND OPERATING PROJECT AS INTENDED BY THE CONTRACT DOCUMENTS AND ALL MATERIAL SHALL BE NEW AND IN ACCORDANCE TO CVWD'S STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL RETURN ALL UNUSED MATERIAL AND SALVAGED MATERIAL FROM THE JOB SITE TO THE CUCAMONGA VALLEY WATER DISTRICT WAREHOUSE OR YARD WITHIN 5 WORKING DAYS AFTER COMPLETION OF WORK ON THIS PROJECT. THE CVWD INSPECTOR SHALL INDICATE THOSE ITEMS TO BE SALVAGED, IN ADDITION TO THOSE SPECIFIED IN THESE DRAWINGS.
- THE CONTRACTOR PERFORMING WORK ON THIS PROJECT SHALL FAMILIARIZE THEMSELVES WITH THE PROJECT SITE AND THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL VERIFY ALL EXISTING ITEMS WITHIN OR ADJACENT TO THE LIMITS OF WORK AND SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT THE EXISTING IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE FROM DAMAGE. ALL IMPROVEMENTS DAMAGED BY CONTRACTOR'S OPERATIONS WHETHER DIRECTLY OR INDIRECTLY OR WHETHER OR NOT SHOWN ON THESE PLANS SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY AND SHALL BE EXPEDITIOUSLY REPAIRED OR RECONSTRUCTED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE WITHOUT ADDITIONAL COMPENSATION.
- RIGHT-OF-WAY LINES ARE APPROXIMATE AND ARE ONLY INTENDED FOR GENERAL REFERENCES. NO RECORD OF SURVEY WAS CONDUCTED OR IMPLIED. THE CONTRACTOR IS RESPONSIBLE TO VERIFY ANY AND ALL PROPERTY OR EASEMENT DATA DEEMED NECESSARY TO PERFORM THE WORK AS SHOWN.
- ALL UTILITIES SHOWN ON THESE DRAWINGS WERE LOCATED PER AS-BUILT INFORMATION PROVIDED TO THE ENGINEER. WHILE REASONABLE EFFORTS WERE EXPENDED IN MAKING SURE THAT THE INFORMATION SHOWN IS CORRECT BASED ON SUPPLIED INFORMATION SHOWN, THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD LOCATING ALL UTILITIES ALONG THE PROPOSED ALIGNMENT AND SHALL BE RESPONSIBLE FOR PROTECTING OR RELOCATING THOSE UTILITIES IN ACCORDANCE WITH THE ENGINEERS DIRECTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY UNDERGROUND SERVICE ALERT (811) AT LEAST TWO WORKING DAYS (48 HOURS) PRIOR TO START OF CONSTRUCTION AND ALL POTHOLING NECESSARY TO VERIFY THE ELEVATIONS AND LOCATIONS OF ALL EXISTING UTILITIES THAT MAY POTENTIALLY CONFLICT WITH THE SCOPE OF WORK AND THAT ARE WITHIN THE LIMITS OF WORK PRIOR TO ANY CONSTRUCTION OF FACILITIES. THE CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS AND COSTS REQUIRED FOR POTHOLING. ANY NECESSARY CHANGES OF THE PROPOSED PIPE ALIGNMENT TO AVOID EXISTING UTILITIES SHALL BE REPORTED TO THE DISTRICT ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONTINUANCE OF CONSTRUCTION.
- THE CONTRACTOR MUST OBTAIN ALL RELEVANT PERMITS FROM THE CITY AND RELEVANT AGENCIES AND IS RESPONSIBLE FOR PAYING FOR ALL PERMIT FEES. CONTRACTOR SHOULD BE PREPARED THAT TRAFFIC CONTROL PLANS MAY BE REQUIRED AND SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR TRAFFIC CONTROL PLANS, IF REQUIRED BY THE CITY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND COMPLYING WITH THE NPDES PERMIT.
- NORMAL INSPECTION HOURS ARE 7:30 A.M. TO 4:00 PM, MONDAY THROUGH FRIDAY EXCEPT LEGAL HOLIDAYS OR AS REQUIRED BY CITY PERMIT, WHICHEVER IS MORE RESTRICTIVE. REQUESTS FOR INSPECTION AT OTHER TIMES OR ON OTHER DAYS MUST BE SUBMITTED TO THE CVWD ENGINEERING DEPARTMENT AND THE CITY A MINIMUM OF 5 WORKING DAYS BEFORE THE INSPECTION IS REQUIRED. THE CONTRACTOR MUST BEAR THE COST OF SUCH OVERTIME INSPECTIONS AND WILL BE BILLED ACCORDINGLY. NORMAL OVERTIME RATES ARE 1.5 TIMES THE BASE RATE PLUS OVERHEAD. OVERTIME INSPECTIONS WILL BE MADE SOLELY AT THE DISCRETION OF THE CITY AND BASED ON STAFF AVAILABILITY.
- CONTRACTOR SHALL NOTIFY ALL AFFECTED BUSINESSES, RESIDENCES, AND PUBLIC FACILITIES BY USING DOOR HANGERS, AND ROADWAY SIGNS 48-HOUR PRIOR TO THE START OF CONSTRUCTION ACTIVITIES. IN ADDITION, THE CONTRACTOR MUST MAINTAIN SAFE AND CONTINUOUS ACCESS TO ALL BUSINESSES, RESIDENCES, AND PUBLIC FACILITIES WITH REFERENCE TO THE W.A.T.CH. MANUAL ALONG THE LIMITS OF WORK. DURING THE PERIOD OF CONSTRUCTION THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN WARNINGS SUCH AS SIGNAGE, SIGNAL BARRICADES, AND OTHER SAFETY MEASURES AS DIRECTED BY THE CITY OF RANCHO CUCAMONGA WITH REFERENCE TO THE W.A.T.CH MANUAL.
- DUST SHALL BE CONTROLLED AT ALL TIMES BY APPROVED METHODS AND THE PUBLIC STREETS SHALL BE KEPT CLEAN AND FREE FROM DIRT AND/OR DEBRIS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS INCURRED FOR DUST CONTROL AND IN STREET CLEANING NECESSITATED BY HIS OPERATION.
- ALL REMOVALS IN PAVED AREAS SHALL BE SAWCUT ON A NEAT AND STRAIGHT LINE. THE CUT EDGE SHALL BE PROTECTED FROM CRUSHING AND ALL BROKEN EDGES SHALL BE RE-CUT PRIOR TO PAVING OPERATIONS. ALL SIDEWALK CONCRETE REMOVALS SHALL BE TO NEAREST CONTROL CONSTRUCTION JOINT.
- THE MINIMUM SEPARATION BETWEEN WATER LINES, RECYCLED WATER LINES AND SANITARY SEWER LINES SHALL CONFORM TO THE STATE OF CALIFORNIA ENVIRONMENTAL HEALTH CODE, TITLE 22, SECTION 64572 OR AS SHOWN IN THE CVWD STANDARD DRAWINGS AS THE CASE APPLIED.
- THE MINIMUM COVER FOR 6-INCH OR SMALLER WATER LINES SHALL BE 30 INCHES, UP TO 10-INCH WATER LINES SHALL BE 36 INCHES, UP TO 12-INCH WATER LINES SHALL BE 42 INCHES, AND UP TO 16-INCH WATER LINES AND ABOVE SHALL BE 48 INCHES.
- ALL JOINTS SHALL BE WELDED UNLESS OTHERWISE NOTED ON THE PLANS. ALL BURIED WATER PIPE SHALL BE CEMENT MORTAR LINED & COATED (CML & C) AND ALL ABOVE GROUND WATER PIPE SHALL BE CEMENT MORTAR LINED & PAINTED UNLESS OTHERWISE NOTED ON THE PLANS. FIELD JOINTS AND REPAIRS TO PIPE LINING AND COATING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ANSI/AWWA C205 AND C206. ALL BARE PIPING SHALL BE PAINTED PER CVWD STANDARDS.
- CONNECTIONS BETWEEN DIFFERENT CLASSES OF PIPE SHALL BE MADE WITH A CONNECTION RATED FOR THE HIGHER PRESSURE CLASS.
- UTILIZE DIELECTRIC COUPLINGS AND SIMILAR INSULATION BETWEEN DISSIMILAR METALS, INCLUDING BETWEEN BUT NOT LIMITED TO STEEL, STAINLESS STEEL, DUCTILE IRON AND COPPER.

- THE ENGINEERING DEPARTMENT WILL REVIEW CONTRACTOR-SUPPLIED COMPACTION TESTS AND OBTAIN APPROVAL FROM PUBLIC WORKS PRIOR TO ALLOWING ANY PLACEMENT OF CONCRETE OR ASPHALT.
- SAND BEDDING AND SAND BACKFILL IN THE PIPE ZONE IS REQUIRED UNLESS NATIVE MATERIALS ARE CONSIDERED SUITABLE AS SUCH BY THE DISTRICT ENGINEER.
- ANY UNDERCUT SEWERS WILL REQUIRE A ONE-SACK SAND SLURRY BACKFILL UP TO THE SPRING LINE OF THE SEWER PIPE.
- TRENCH RESTORATION AND PAVEMENT REPAIR SHALL BE IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE APPROPRIATE LOCAL AGENCY.
- THE CONTRACTOR SHALL ADJUST ALL GATE VALVE COVERS TO GRADE AFTER FINAL PAVING IS COMPLETED.
- THE CONTRACTOR SHALL NOT MAKE ANY CONNECTION TO THE EXISTING CVWD DISTRIBUTION SYSTEM WITHOUT FIRST GAINING WRITTEN PERMISSION FROM THE WATER DEPARTMENT ENGINEER. IN THE EVENT THAT PERMISSION IS GRANTED, A CVWD INSPECTOR MUST BE PRESENT ON SITE TO WITNESS SAID CONNECTION(S).
- PRIOR TO ACTIVATION AND ACCEPTANCE BY CVWD OF ANY NEWLY CONSTRUCTED WATER LINES, OR ANY CONNECTIONS TO EXISTING SYSTEMS, THE CONTRACTOR SHALL HYDROSTATICALLY TEST AND DISINFECT THE LINES IN ACCORDANCE WITH THE LATEST ADOPTED VERSIONS OF AWWA STANDARDS C604, C651, AND AWWA MANUAL M11 AND SHALL COMPLY WITH THE NPDES PERMIT REQUIREMENTS. ALL TESTING AND DISINFECTION SHALL BE MADE IN THE PRESENCE OF THE CVWD INSPECTOR AND THE CONTRACTOR SHALL NOTIFY THE ENGINEER NO LESS THAN TWENTY-FOUR (24) HOURS IN ADVANCE OF THE ACTUAL TIME OF TESTING AND/OR DISINFECTION SO THAT THE ENGINEER OR DESIGNEE MAY OBSERVE THE PROCEDURE. IF THE PRESSURE TEST, CHLORINATION OR BACTERIOLOGICAL TEST FAILS TO MEET THE REQUIREMENT OF THE SPECIFICATIONS OR NPDES PERMIT, THE CONTRACTOR SHALL MAKE NECESSARY REPAIRS, REPLACEMENTS OR REPETITION OF PROCEDURES UNTIL THE TEST PASSES AT HIS OWN EXPENSE.
- ALL FLUSHING, CHLORINATION, AND TESTING SHALL BE PERFORMED EITHER BY (A) WATER TRUCK, OR (B) HYDRANT-TO HYDRANT CONNECTION THROUGH AN APPROVED BACKFLOW PREVENTION ASSEMBLY.
- THE CONTRACTOR SHALL RESTORE EXISTING ASPHALT PAVEMENT PER CITY OF RANCHO CUCAMONGA STANDARD PLAN NO 120, TRENCH REPAIR.

CONTRACTOR SUPPLIED MATERIALS

THE CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS REQUIRED TO CONSTRUCT ALL PHASES OF THE WATERLINE PROJECT COMPLETE AND IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS OF THE CUCAMONGA VALLEY WATER DISTRICT. A LIST OF MATERIALS, INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS AND SPECIFICATIONS, SHALL BE SUBMITTED TO THE DISTRICT FOR THE WATERLINE FACILITIES SHOWN WITHIN THESE PLANS.

CONSTRUCTION NOTIFICATION

CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE WRITTEN NOTIFICATION TO ALL PROPERTY AND BUSINESS OWNERS 48 HOURS IN ADVANCE PRIOR TO ANY CONSTRUCTION ACTIVITY, INCLUDING POTHOLING AND SHUT-DOWN THE PROJECT.

DEVIATIONS FROM STANDARDS

- THERE ARE NO DEVIATIONS FROM APPLICABLE CVWD STANDARDS. UNLESS STATED IN THE SPECIFICATIONS.

CONTRACT DOCUMENTS AND SPECIFICATIONS

THE CONTRACTOR IS HEREBY NOTIFIED THAT ESSENTIAL AND PERTINENT INFORMATION REGARDING THE CONSTRUCTION AND COMPLETION OF WORK FOR THIS PROJECT IS CONTAINED IN THE CONTRACT DOCUMENTS AND SPECIFICATIONS; IT IS THE CONTRACTOR'S RESPONSIBILITY TO READ AND REVIEW THIS INFORMATION TO THEIR OWN SATISFACTION PRIOR TO PERFORMING ANY WORK. DEFICIENT, INCOMPLETE, OR INCORRECT WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REDONE TO MEET THE REQUIREMENTS AT THE CONTRACTOR'S SOLE EXPENSE.

SAFETY

NEITHER THE OWNER NOR THE ENGINEER OF WORK WILL ENFORCE SAFE MEASURES OR REGULATIONS. THE CONTRACTOR SHALL DESIGN, CONSTRUCT, AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE, AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.

THE CONTRACTOR SHALL HAVE SHORING PLANS PREPARED BY A PROFESSIONAL ENGINEER AND SHALL SUBMIT THE PLANS TO THE DISTRICT.

SAFETY AND RESPONSIBILITY

CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. CONTRACTOR FURTHER AGREES THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THE PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

PROPERTY LINES

LOCATION OF PROPERTY BOUNDARIES, RIGHT OF WAY, AND EASEMENTS SHOWN ON THE DRAWINGS ARE APPROXIMATE AND BASED ON RECORD DOCUMENTS. IF NO FIELD BOUNDARY OR EASEMENT SURVEY HAS BEEN PERFORMED, CONTRACTOR IS RESPONSIBLE TO VERIFY ANY AND ALL PROPERTY OR EASEMENT DATA DEEMED NECESSARY TO PERFORM THE WORK AS SHOWN.

UTILITY MARKOUT

THE CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT (U.S.A.) AT 1-800-227-2600 FOR MARKOUT OF EXISTING UTILITIES A MINIMUM OF 48 HOURS PRIOR TO ANY WORK OR EXCAVATION.

EXPLORATORY EXCAVATIONS

THE LOCATION AND ELEVATION OF BOTH NEW AND EXISTING IMPROVEMENTS TO BE MET BY WORK TO BE DONE, AND ALL OF NEW OR EXISTING BURIED UNDERGROUND UTILITIES AND STRUCTURES SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING ANY CITY OF RANCHO CUCAMONGA PUBLIC WORKS PERMITS PRIOR TO ANY EXPLORATORY EXCAVATIONS IN THE STREET. CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISION OF THE PLANS. SHOULD REVISIONS BE NECESSARY DUE TO THE ACTUAL LOCATION OF FACILITIES.

MONUMENTATION

PRIOR TO CONSTRUCTION, THE CONTRACTOR'S LICENSED SURVEYOR SHALL TIE OUT ALL AFFECTED STREET AND PROPERTY MONUMENTS WHICH MAY BE DISTURBED AS PART OF THE WORK. RE-ESTABLISHMENT AND FILING OF CORNER RECORDS AND OR A RECORD OF SURVEY FOR ALL DISTURBED / REMOVED REPLACED MONUMENTS WILL BE REQUIRED PRIOR TO ACCEPTANCE OF THE WORK. WORK SHALL BE PERFORMED TO THE SATISFACTION OF AGENCIES HAVING JURISDICTION AND SHALL BE PERFORMED AT THE CONTRACTOR'S SOLE EXPENSE.

DAMAGED IMPROVEMENTS

ALL EXISTING IMPROVEMENTS, BOTH PUBLIC AND PRIVATE, INTENTIONALLY OR UNINTENTIONALLY DISTURBED, DESTROYED, OR REMOVED AS PART OF CONSTRUCTION, SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER AT THE CONTRACTOR'S EXPENSE.

SURVEYING

CONTRACTOR SHALL EMPLOY THE SERVICES OF A LICENSED LAND SURVEYOR FOR PROJECT LAYOUT, CONSTRUCTION STAKING AND CONTROL.

PERMITS

CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED TO COMPLETE THE WORK INCLUDING, BUT NOT LIMITED TO, COUNTY AND CITY TRAFFIC CONTROL PERMITS, STREET CUT AND OSHA.

UTILITY NOTES

- CONTRACTOR SHALL NOTIFY UTILITY COMPANIES PRIOR TO STARTING WORK NEAR COMPANY FACILITIES AND COORDINATE WORK WITH COMPANY REPRESENTATIVES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE UTILITY COMPANIES, ADVISE THEM OF THE PROPOSED IMPROVEMENTS AND BEAR THE COST OF RELOCATION, IF NEEDED.
- LOCATION AND ELEVATION OF IMPROVEMENTS TO BE MET BY WORK TO BE DONE SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO PREPARATION OF SHOP DRAWINGS CONSTRUCTION OF NEW WORK.
- CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN HEREON AND ANY OTHER EXISTING LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.

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PLANS APPROVED BY:

 TUAN TRUONG, P.E.,
 ENGINEERING MANAGER (CAPITAL & DEVELOPMENT)
 DATE: 1-14-26 R.C.E. 80604 Exp. 03-31-27

DESIGNED BY: TUAN T.
 DRAWN BY: TYLER B.
 CHECKED BY: TUAN T.
 DATE: 12/10/25
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Cucamonga Valley Water District
 10440 ASHFORD STREET,
 RANCHO CUCAMONGA, CA 91729 (909) 987-2591

16" WATERLINES IN ALMOND ST
 CP26031 - PLAN AND PROFILE
 GENERAL NOTES

G-2
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W.C. CP26031

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POINT DESIGNATION	DESCRIPTION	COORDINATES		ELEVATION
		NORTHING	EASTING	
1	FD PK&WSH LS6932 FLUSH SET TGT	1881556.7130	6677673.4780	2146.46'
2	N&T LS4932 FLUSH	1881556.3630	6676643.3240	2135.64'
3	FD 1.25IN IP W/TAG LS4452 FLUSH	1881556.7280	6677891.0240	2146.81'

SURVEY INFORMATION

SURVEYOR

KRIEGER & STEWART, INC.
3890 ORANGE STREET #1509
RIVERSIDE, CA 92502
PHONE: (951) 684-6900

BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA STATE PLANE COORDINATE SYSTEM, CCS83, ZONE 5, NAD_83 (NSRF2007) AS DETERMINED LOCALLY BY A LINE BETWEEN K&S CONTROL POINT 9209 AND CONTINUOUS OPERATING REFERENCE STATION (CORS) EWPP (DH7046) BEING S. 55°06'20.5" E. DERIVED FROM NATIONAL GEODETIC SURVEY (NGS) PUBLISHED POSITIONS AND COORDINATE VALUES COMPUTED BY NGS OPUS.

9209(OPUS GRID) NORTH: 1,880,550.20 EAST: 6,676,739.64 K&S CP SET 1/2"REBAR & CAP.

207046 (SPC GRID) NORTH: 1,860,639.44 EAST: 6,705,287.10 EWPP DH7046

BASIS OF COORDINATES

COORDINATES SHOWN ARE BASED ON THE CALIFORNIA STATE PLANE COORDINATE SYSTEM, CCS83 ZONE 5, NAD_83 (2011) (EPOCH: 2010.000) CONVERTED TO NAD_83 (NSRS2007) USING NGS COORDINATE CONVERSION AND TRANSFORMATION TOOL (NCAT)

ALL BEARINGS SHOWN ON THIS MAP ARE GRID. ALL DISTANCES SHOWN ARE GROUND DISTANCES UNLESS SPECIFIED OTHERWISE. GRID DISTANCES MAY BE OBTAINED BY MULTIPLYING THE GRID DISTANCE BY A COMBINATION FACTOR OF 0.99987734. CALCULATED AT K&S CP 9209, USING A MEAN PROJECT ORTHOMETRIC ELEVATION OF 2150 SFT.

ELEVATION DATUM

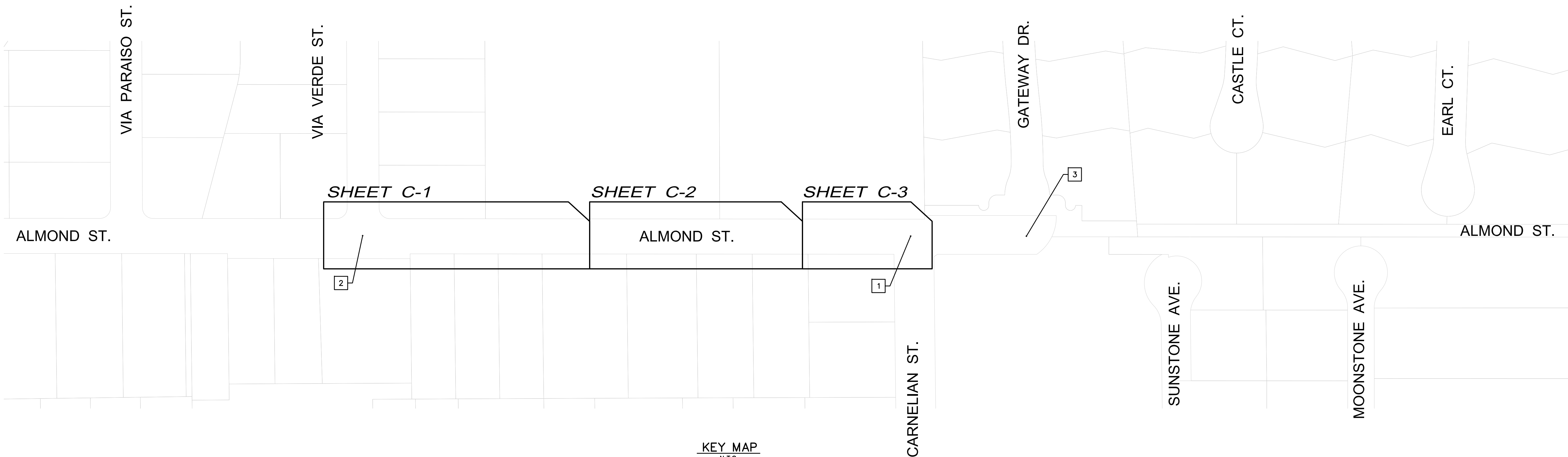
THE ELEVATION DATUM FOR THIS SURVEY IS BASED ON NGVD29. VERTICAL CONTROL WAS ESTABLISHED BASED ON STATIC GPS MEASUREMENTS TO THE BENCHMARK SHOWN HEREON.

BENCHMARK

CITY OF RANCHO CUCAMONGA BM 10108

FOUND 2" DIA. BRASS DISK STAMPED "CITY OF RANCHO CUCAMONGA BM 10108 1987" DISK SET ON TOP OF CURB AT THE SOUTHEAST CORNER OF HILLSIDE ROAD AND CARNELIAN STREET AT THE END OF THE CURB RETURN.

ELEVATION = 1943.723 SFT (NGVD29)



KEY MAP
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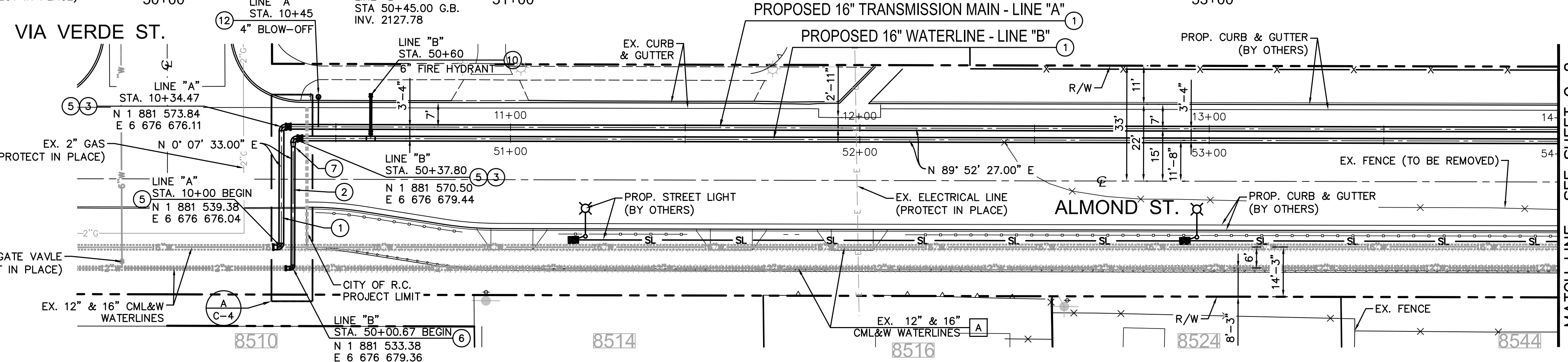
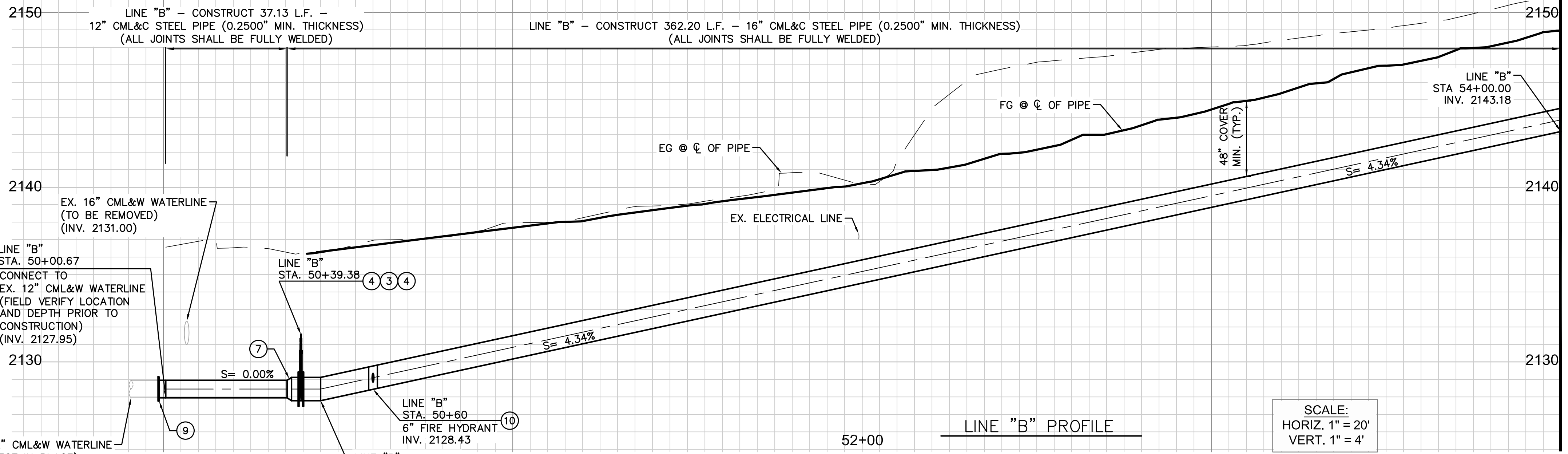
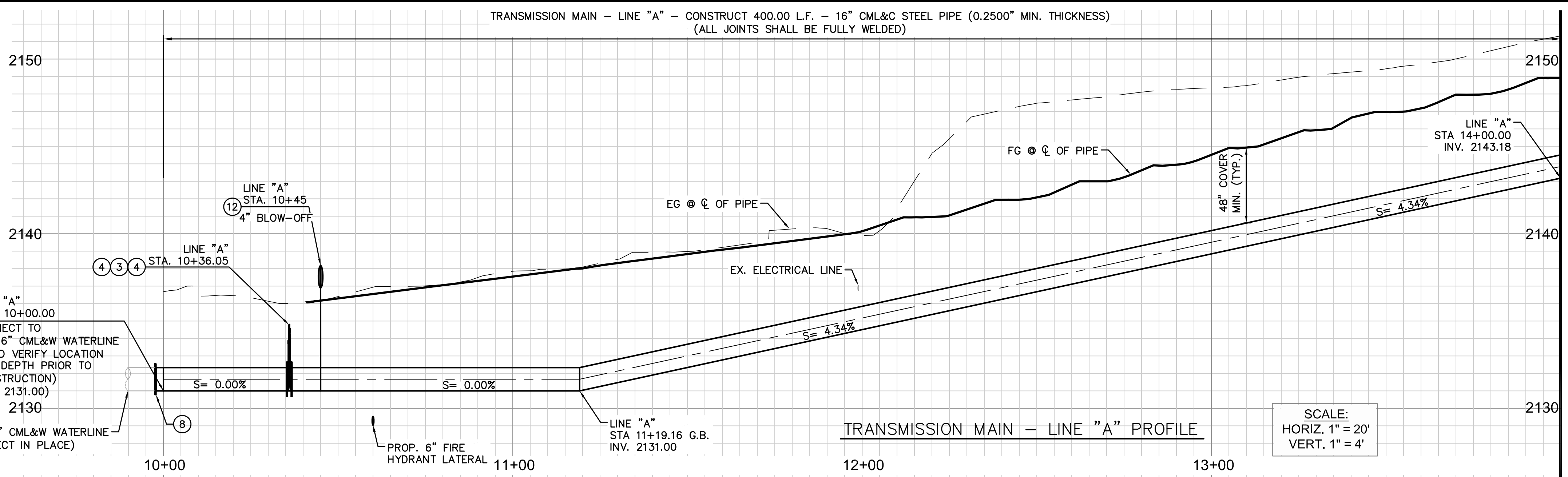
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NOTE:
CONTRACTOR TO POTHOLE AND VERIFY ELEVATION OF UTILITIES PRIOR TO CONSTRUCTION.

- DEMOLITION NOTES**
- A ABANDON EXISTING PIPE IN PLACE. TO REMAIN IN SERVICE UNTIL NEW WATERLINE IS INSTALLED.

- CONSTRUCTION NOTES**
- 1 FURNISH AND INSTALL 16" CML&C STEEL PIPE
 - 2 FURNISH AND INSTALL 12" CML&C STEEL PIPE
 - 3 FURNISH AND INSTALL 16" RESILIENT-WEDGE GATE VALVE PER CVWD STD DWG. NO. 115
 - 4 FURNISH AND INSTALL 16" S.O.W. FLANGE
 - 5 FURNISH AND INSTALL 16" CML&C - 90° BEND (P.E.)
 - 6 FURNISH AND INSTALL 12" CML&C - 90° BEND (P.E.)
 - 7 FURNISH AND INSTALL 16" X 12" REDUCER (P.E.)
 - 8 FURNISH AND INSTALL 16" BUTTSTRAP WITH HAND HOLES
 - 9 FURNISH AND INSTALL 12" BUTTSTRAP WITH HAND HOLES
 - 10 FURNISH AND INSTALL FIRE HYDRANT ASSEMBLY PER CVWD STD. DWG. NO. 113
 - 12 FURNISH AND INSTALL 4" BLOW-OFF ASSEMBLY PER CVWD STD. DWG. NO. 119

MATCH LINE - SEE SHEET C-2
LINE "A" STA. 14+00
LINE "B" STA. 54+00

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Cucamonga Valley Water District
10440 ASHFORD STREET,
RANCHO CUCAMONGA, CA 91729 (909) 987-2591

16" WATERLINES IN ALMOND ST
CP26031 - PLAN AND PROFILE
PLAN AND PROFILE

C-1
AB
SHT. 5 OF 8

W.C. CP26031

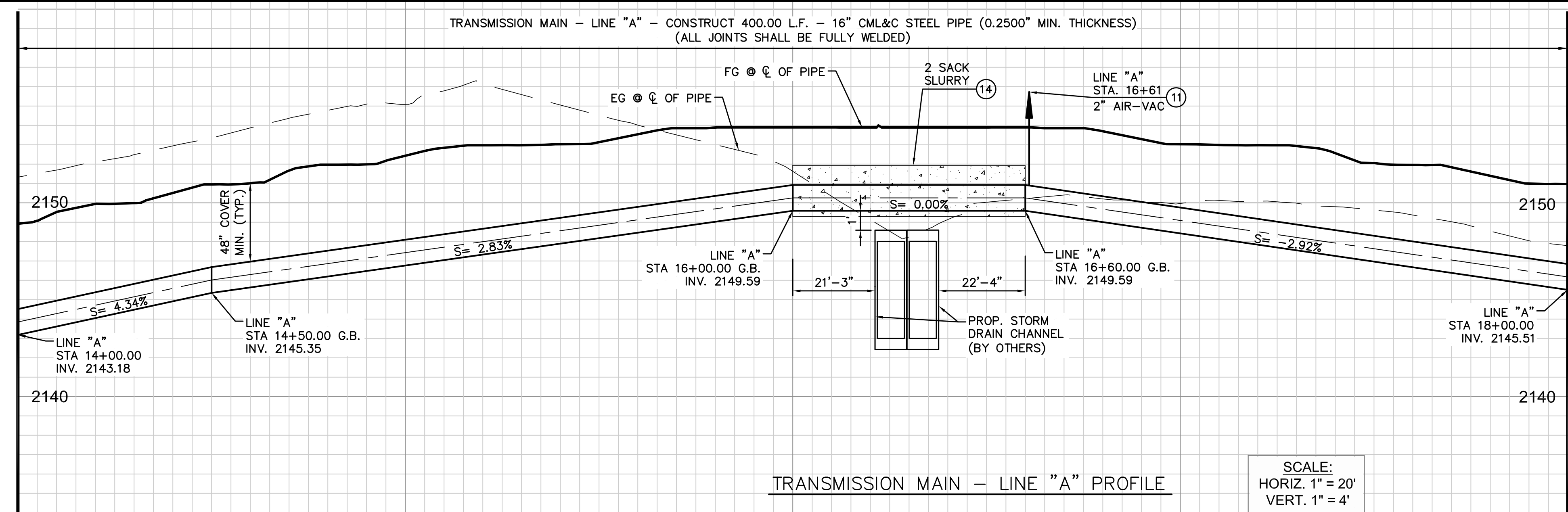
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MATCH LINE - SEE SHEET C-1
LINE "A" STA. 14+00
LINE "B" STA. 54+00

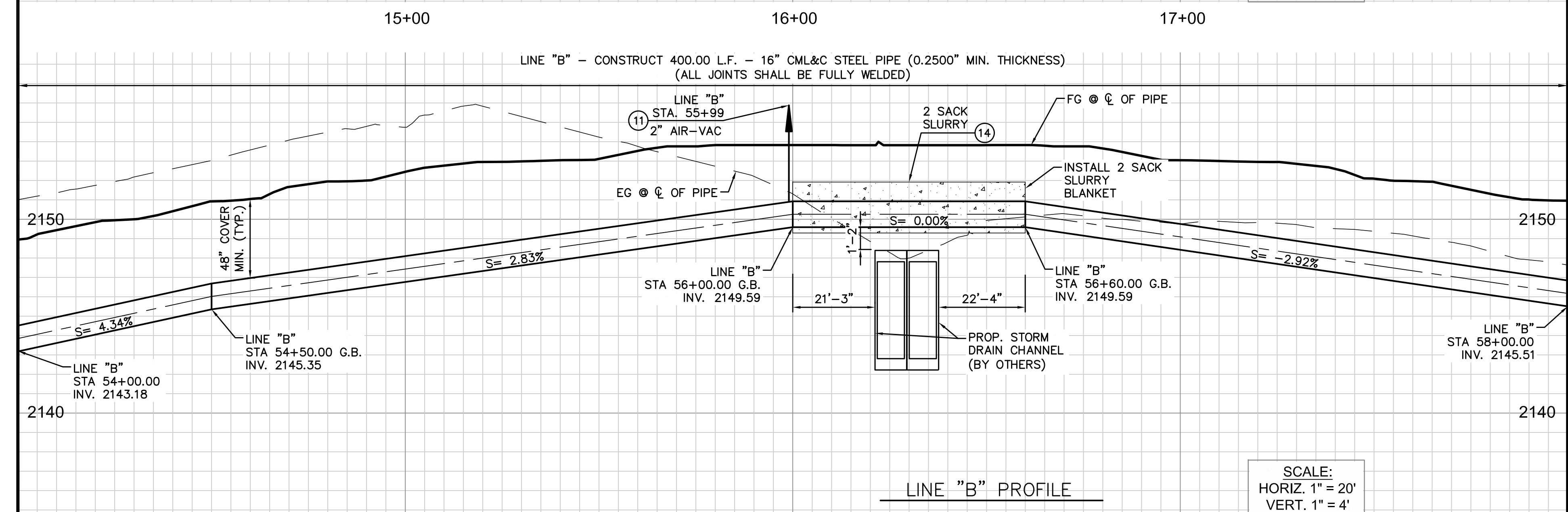
MATCH LINE - SEE SHEET C-1
LINE "A" STA. 14+00
LINE "B" STA. 54+00

MATCH LINE - SEE SHEET C-3
LINE "A" STA. 18+00
LINE "B" STA. 58+00

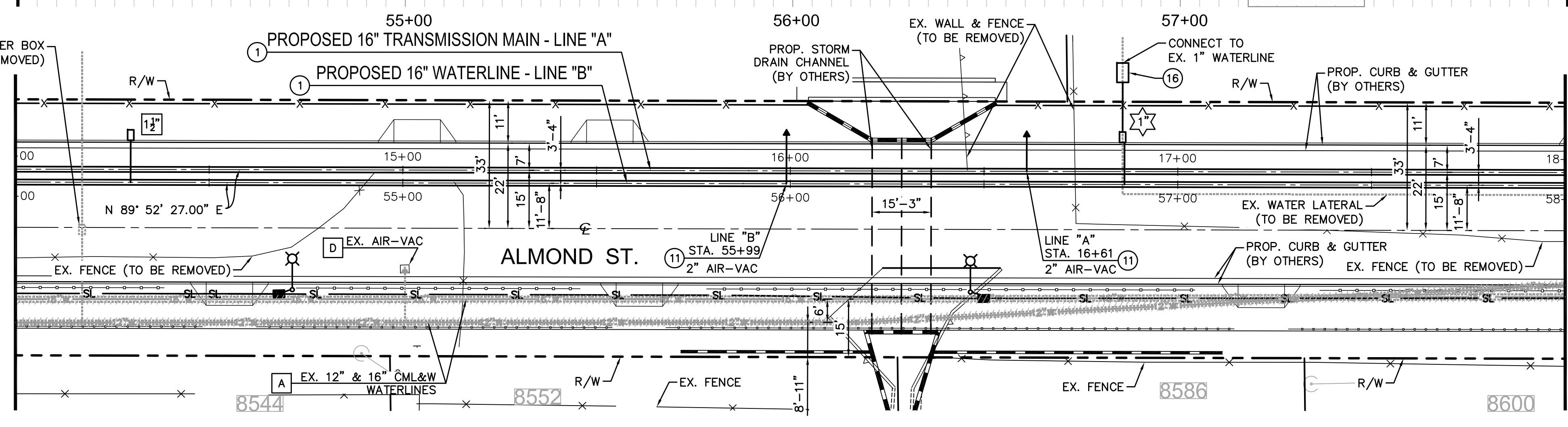
MATCH LINE - SEE SHEET C-3
LINE "A" STA. 18+00
LINE "B" STA. 58+00



TRANSMISSION MAIN - LINE "A" PROFILE
SCALE:
HORIZ. 1" = 20'
VERT. 1" = 4'



LINE "B" PROFILE
SCALE:
HORIZ. 1" = 20'
VERT. 1" = 4'



NOTE:
CONTRACTOR TO POT HOLE AND VERIFY ELEVATION OF UTILITIES PRIOR TO CONSTRUCTION.

DEMOLITION NOTES

- A ABANDON EXISTING PIPE IN PLACE. TO REMAIN IN SERVICE UNTIL NEW WATERLINE IS INSTALLED.
- D REMOVE EXISTING AIR VAC ASSEMBLY AND RETURN TO YARD.

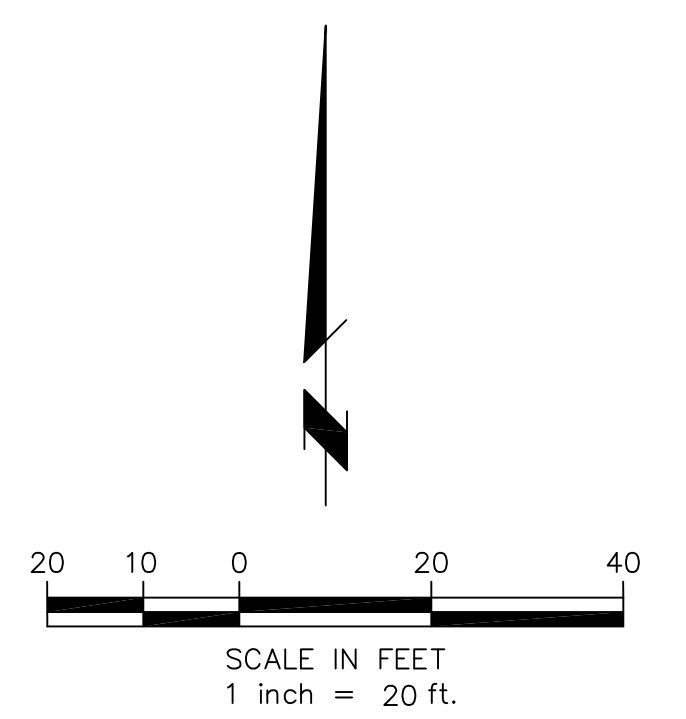
CONSTRUCTION NOTES

- ① FURNISH AND INSTALL 16" CML&C STEEL PIPE
- ⑪ FURNISH AND INSTALL 2" AIR VACUUM RELEASE VALVE PER CVWD STD. DWG. 120
- ⑭ FURNISH AND INSTALL 2 SACK SLURRY FOR ENTIRE PIPE ZONE
- ⑯ FURNISH AND INSTALL BACKFLOW PER CVWD STD. DWG. 111

SERVICE NOTES

FURNISH & INSTALL 1" DOMESTIC COPPER SERVICE, INCLUDING RELOCATE DISTRICT FURNISHED AMI READY METER (SIZE AS NOTED) & NEW METER BOX AND CONNECT PER CVWD STD. DWG. 102A. SHOWN PLAN ONLY.

FURNISH & INSTALL 2" IRRIGATION COPPER SERVICE, INCLUDING INSTALL DISTRICT FURNISHED AMI READY METER (SIZE AS NOTED) & NEW METER BOX AND CONNECT PER CVWD STD. DWG. 103. SHOWN PLAN ONLY.



REV.	DESCRIPTION	DATE	APP'D

Underground Service Alert
Call: TOLL FREE
811
TWO WORKING DAYS BEFORE YOU DIG

PLANS APPROVED BY:
Tuan Truong
TUAN TRUONG, P.E.,
ENGINEERING MANAGER (CAPITAL & DEVELOPMENT)
DATE: 1-14-26 R.C.E. 80604 EXP. 03-31-27



DESIGNED BY: TUAN T.
DRAWN BY: TYLER B.
CHECKED BY: TUAN T.
DATE: 12/10/25
BAR SCALE BELOW IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.

Cucamonga Valley Water District
10440 ASHFORD STREET,
RANCHO CUCAMONGA, CA 91729 (909) 987-2591

16" WATERLINES IN ALMOND ST
CP26031 - PLAN AND PROFILE
PLAN AND PROFILE

C-2
AB
SHT. 6 OF 8

W.C. CP26031

Lastsaved: TYLERB
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NOTE:
 CONTRACTOR TO POT HOLE AND VERIFY
 ELEVATION OF UTILITIES PRIOR TO CONSTRUCTION.

DEMOLITION NOTES

- A ABANDON EXISTING PIPE IN PLACE. TO REMAIN IN SERVICE UNTIL NEW WATERLINE IS INSTALLED.
- B REMOVE INTERFERING PORTIONS OF EXISTING PIPE.
- C REMOVE EXISTING F.H. HEAD AND RETURN TO YARD.

CONSTRUCTION NOTES

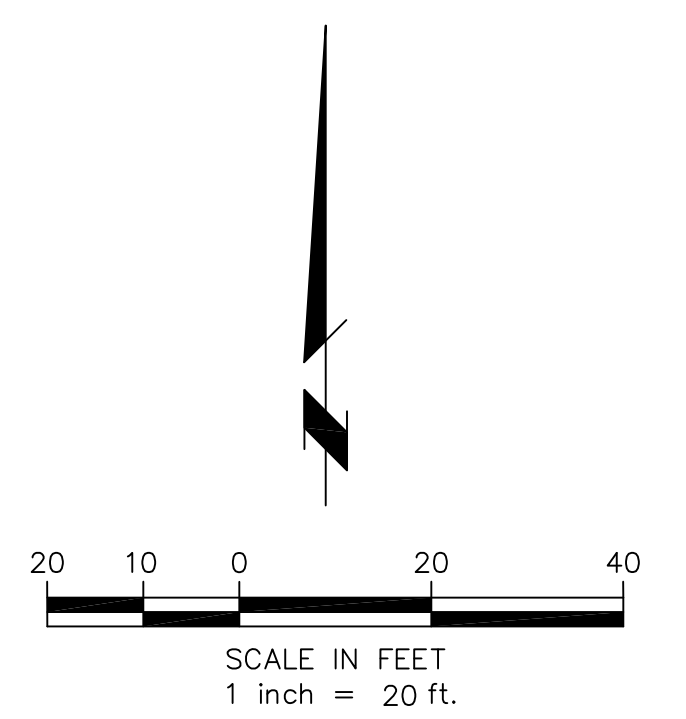
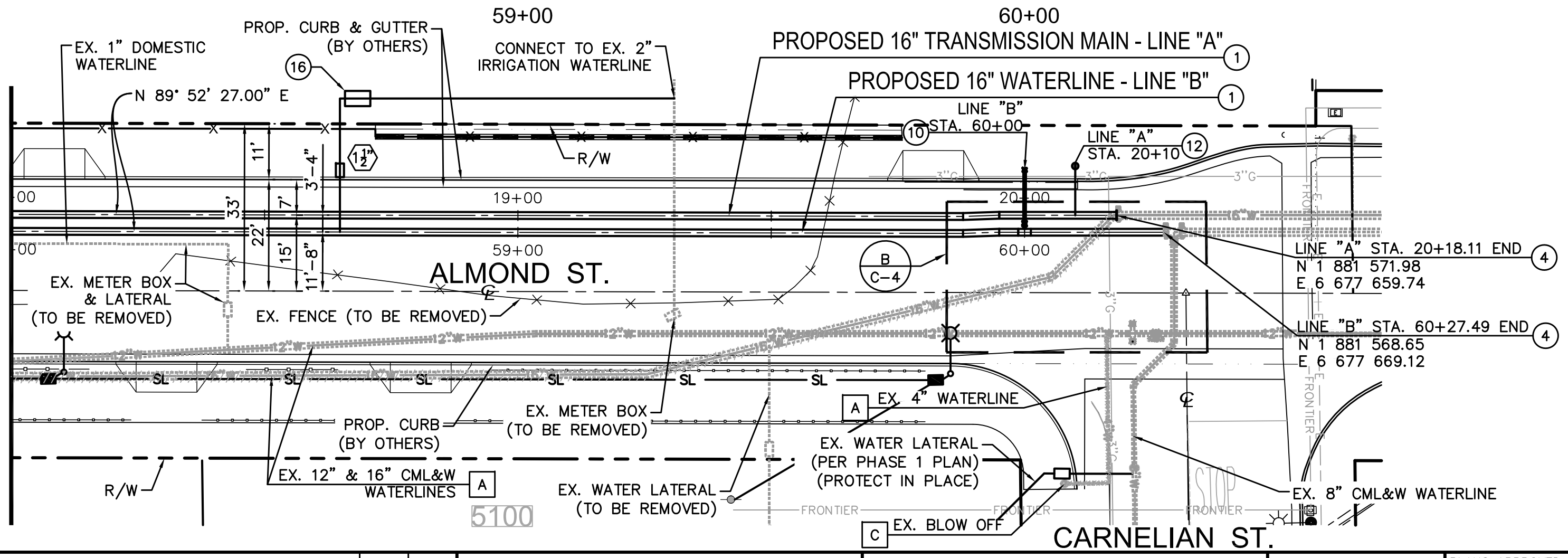
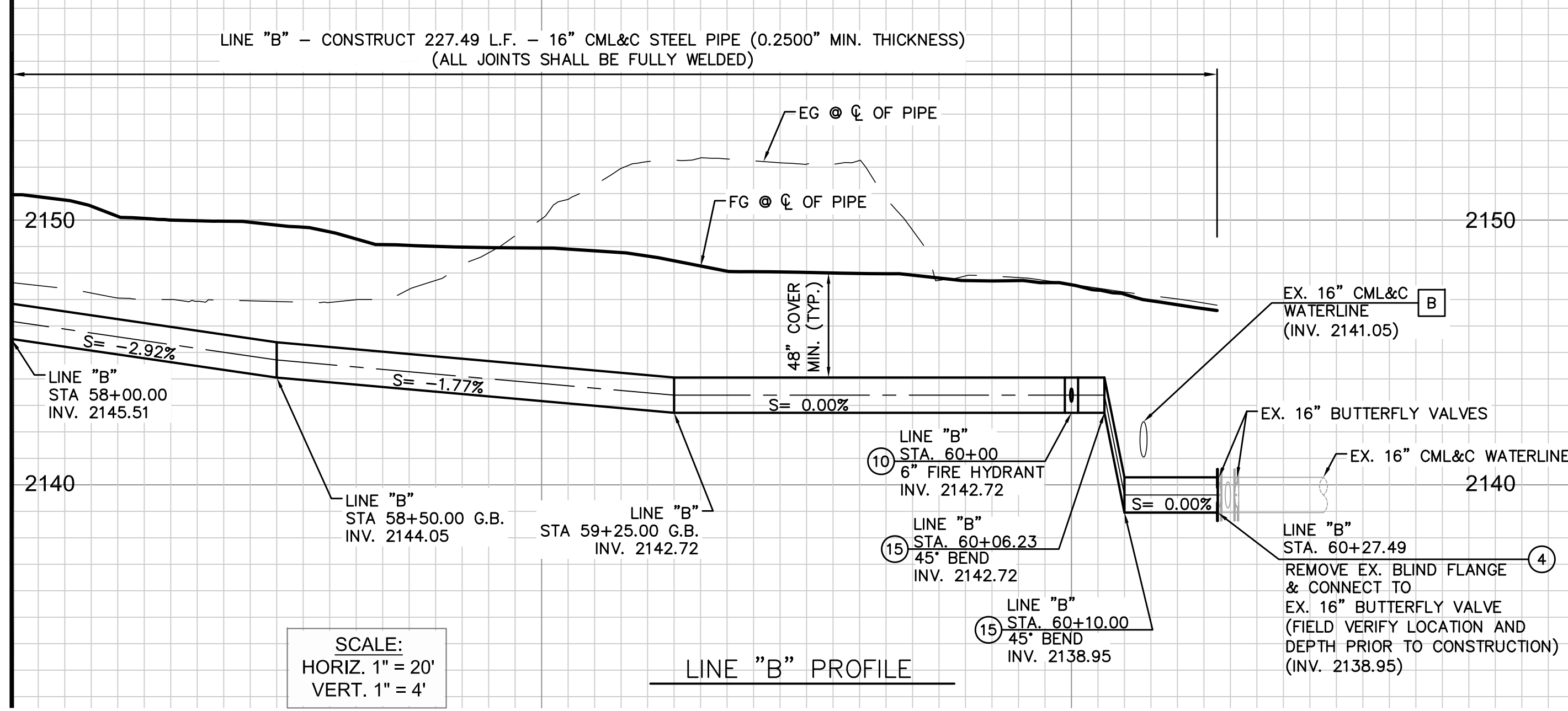
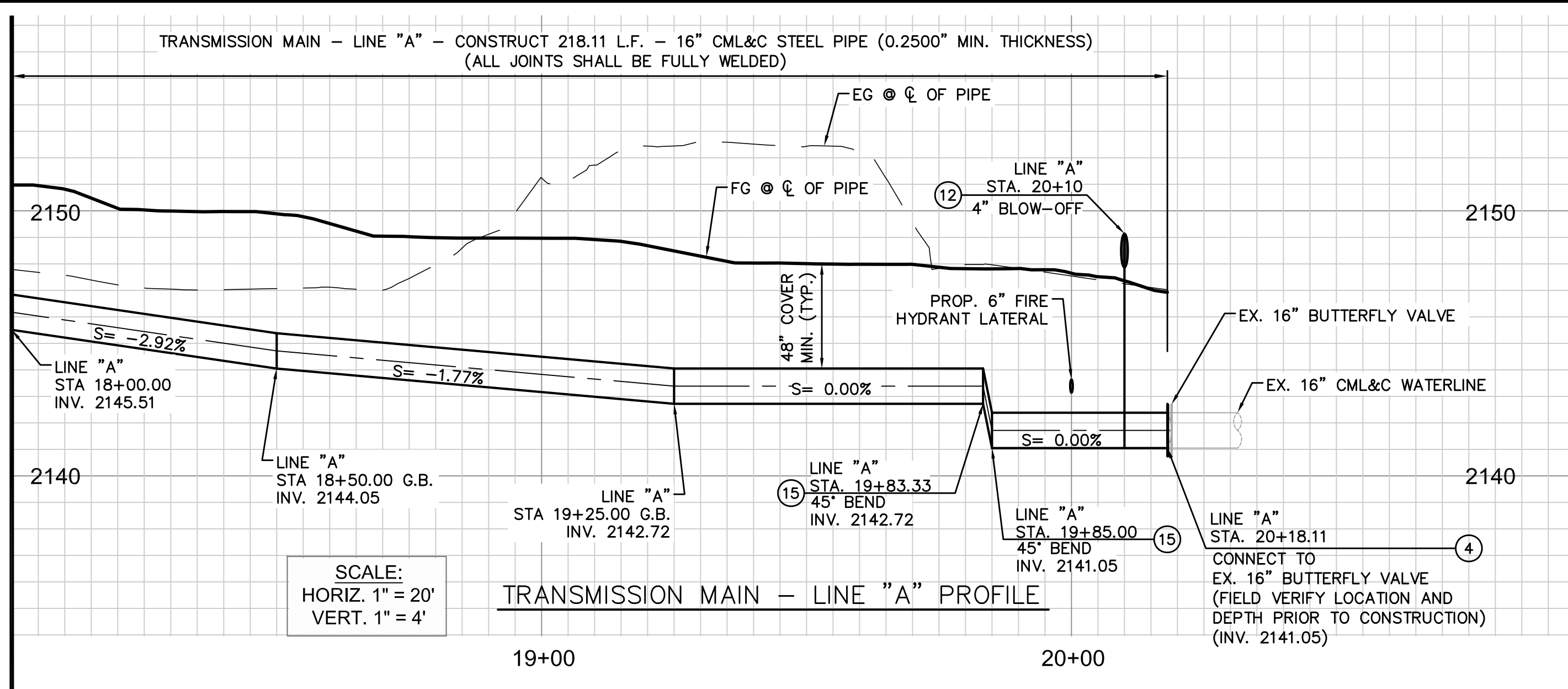
- 1 FURNISH AND INSTALL 16" CML&C STEEL PIPE
- 4 FURNISH AND INSTALL 16" S.O.W. FLANGE
- 10 FURNISH AND INSTALL FIRE HYDRANT ASSEMBLY PER CVWD STD. DWG. NO. 113
- 12 FURNISH AND INSTALL 4" BLOW-OFF ASSEMBLY PER CVWD STD. DWG. NO. 119
- 13 FURNISH AND INSTALL 12" BLIND FLANGE
- 14 FURNISH AND INSTALL 2 SACK SLURRY FOR ENTIRE PIPE ZONE
- 15 FURNISH AND INSTALL 16" CML&C - 45' BEND (P.E.)
- 16 FURNISH AND INSTALL BACKFLOW PER CVWD STD. DWG. 111

SERVICE NOTES

FURNISH & INSTALL 2" IRRIGATION COPPER SERVICE, INCLUDING RELOCATE DISTRICT FURNISHED AMI READY METER (SIZE AS NOTED) & NEW METER BOX AND CONNECT PER CVWD STD. DWG. 103. SHOWN PLAN ONLY.

MATCH LINE - SEE SHEET C-2
 LINE "A" STA. 18+00
 LINE "B" STA. 58+00

MATCH LINE - SEE SHEET C-2
 LINE "A" STA. 18+00
 LINE "B" STA. 58+00



Underground Service Alert
 Call: TOLL FREE
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 TWO WORKING DAYS BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER
 TUAN TRUONG
 No. 80604
 Exp. 03-31-27
 CIVIL
 STATE OF CALIFORNIA

PLANS APPROVED BY:
 TUAN TRUONG, P.E.,
 ENGINEERING MANAGER (CAPITAL & DEVELOPMENT)
 DATE: 1-14-26 R.C.E. 80604 EXP. 03-31-27

DESIGNED BY: TUAN T.
 DRAWN BY: TYLER B.
 CHECKED BY: TUAN T.
 DATE: 12/10/25

Cucamonga Valley Water District
 10440 ASHFORD STREET,
 RANCHO CUCAMONGA, CA 91729 (909) 987-2591

16" WATERLINES IN ALMOND ST
 CP26031 - PLAN AND PROFILE
 PLAN AND PROFILE

C-3
 AB
 SHT. 7 OF 8

W.O. CP26031

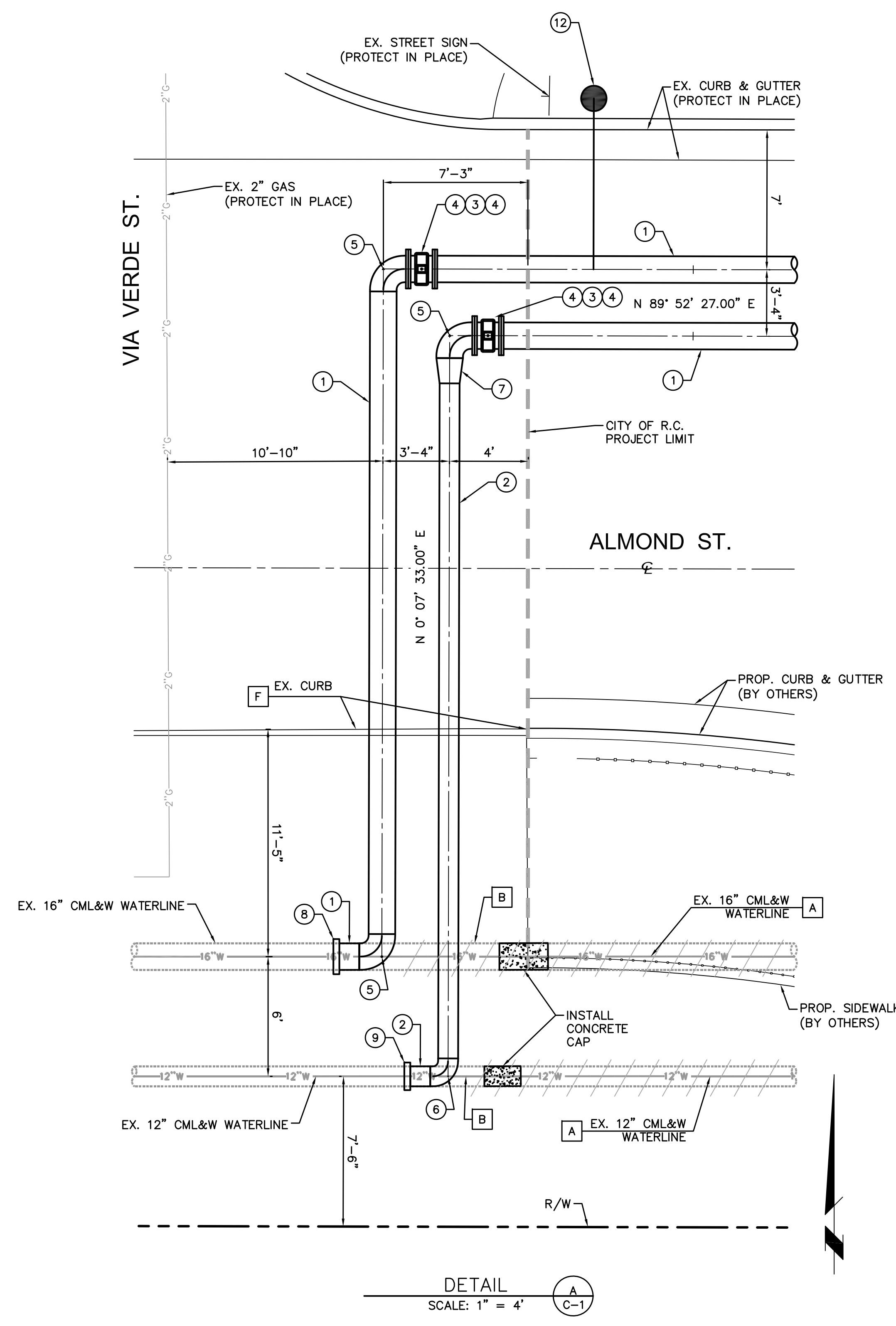
NOTE:
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 ELEVATION OF UTILITIES PRIOR TO CONSTRUCTION.

DEMOLITION NOTES

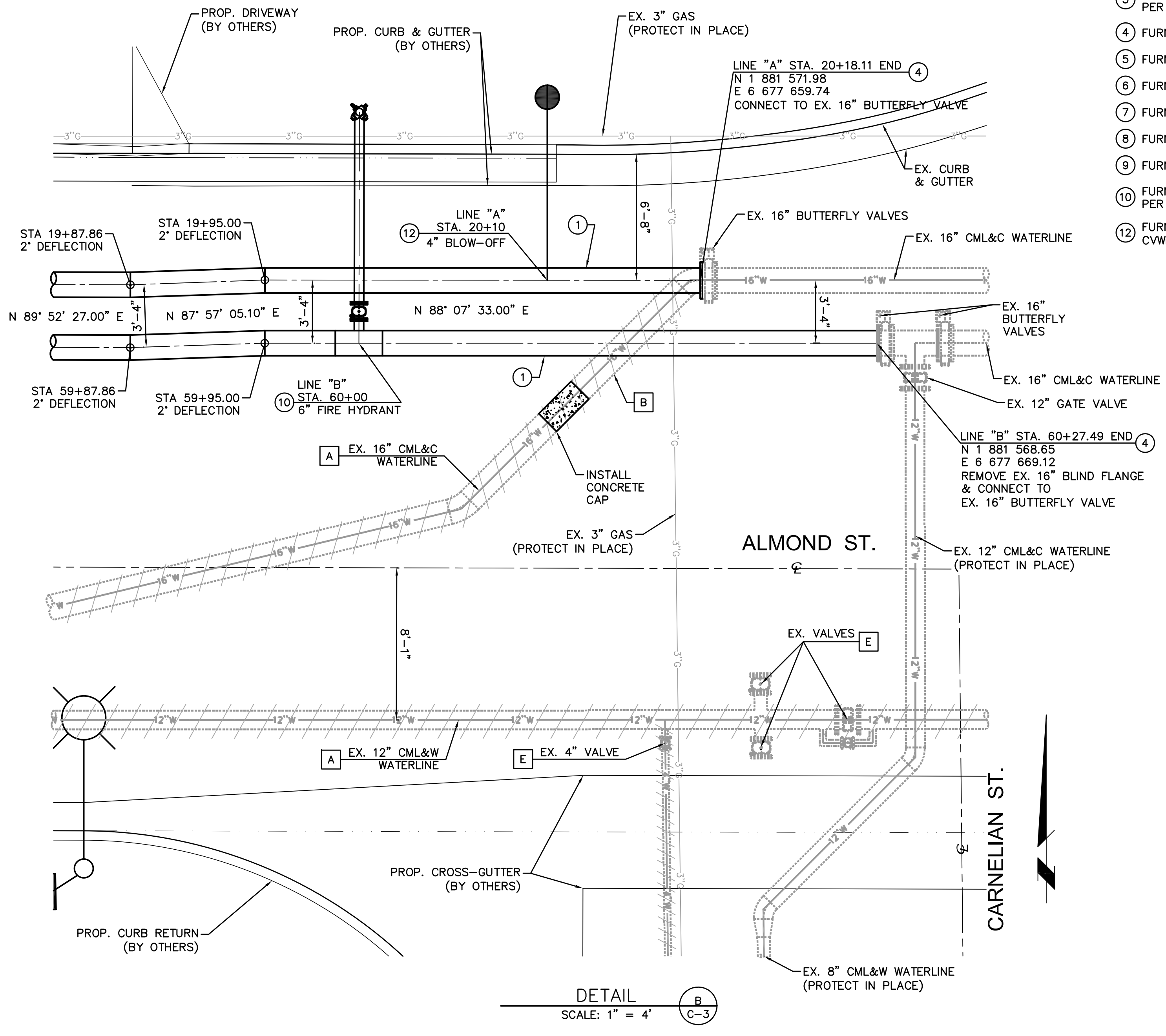
- A** ABANDON EXISTING PIPE IN PLACE. TO REMAIN IN SERVICE UNTIL NEW WATERLINE IS INSTALLED.
- B** REMOVE INTERFERING PORTIONS OF EXISTING PIPE.
- E** REMOVE EXISTING VALVE AND RETURN TO YARD.
- F** REMOVE AND REPLACE EXISTING CURB IN KIND.

CONSTRUCTION NOTES

- 1** FURNISH AND INSTALL 16" CML&C STEEL PIPE
- 2** FURNISH AND INSTALL 12" CML&C STEEL PIPE
- 3** FURNISH AND INSTALL 16" RESILIENT-WEDGE GATE VALVE PER CVWD STD DWG. NO. 115
- 4** FURNISH AND INSTALL 16" S.O.W. FLANGE
- 5** FURNISH AND INSTALL 16" CML&C - 90° BEND (P.E.)
- 6** FURNISH AND INSTALL 12" CML&C - 90° BEND (P.E.)
- 7** FURNISH AND INSTALL 16" X 12" REDUCER (P.E.)
- 8** FURNISH AND INSTALL 16" BUTTSTRAP WITH HAND HOLES
- 9** FURNISH AND INSTALL 12" BUTTSTRAP WITH HAND HOLES
- 10** FURNISH AND INSTALL FIRE HYDRANT ASSEMBLY PER CVWD STD. DWG. NO. 113
- 12** FURNISH AND INSTALL 4" BLOW-OFF ASSEMBLY PER CVWD STD. DWG. NO. 119



DETAIL A
 SCALE: 1" = 4'
 C-1



DETAIL B
 SCALE: 1" = 4'
 C-3

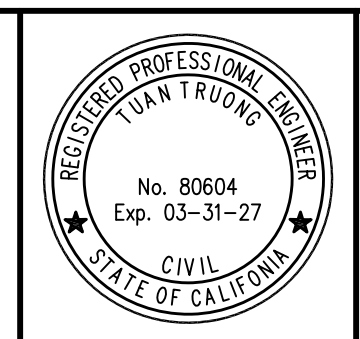
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REV.	DESCRIPTION	DATE	APP'D

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PLANS APPROVED BY:

 TUAN TRUONG, P.E.,
 ENGINEERING MANAGER (CAPITAL & DEVELOPMENT)
 DATE: 1-14-26 R.C.E. 80604 EXP. 03-31-27



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 CP26031 - PLAN AND PROFILE
 DETAILS