JURUPA COMMUNITY SERVICES DISTRICT

RIVERSIDE, CALIFORNIA

ADDENDUM NO. 3

TO THE PLANS AND SPECIFICATIONS FOR RECYCLED WATER PROGRAM – SEGMENT 2 FINAL DESIGN JCSD P.N. C215078

Bidders are advised that the plans and specifications for the above-referenced contract are hereby amended in the following manner and the following manner only:

A. GENERAL

All provisions of this Addendum No. 3 are hereby incorporated into the Contract Documents and bidders shall account for all provisions pursuant to this Addendum No. 3 in submitting their bid proposals. Each Bidder shall include a dated and signed copy of this Addendum No. 3 acknowledgment sheet with his sealed bid proposal.

B. PLANS

All plan and profile sheets have been updated to reflect the corresponding Bid Schedule that the subject sheet refers to.

Additionally, the callout at the terminus of the proposed 65th Street recycled waterline has been revised to account for the existing Segment 3 18-inch cross and 18-inch butterfly valves that will be installed prior to Segment 2 construction. As a result, the stationing has been revised to indicate that the terminus of the Segment 2 waterline is STA 109+05.82, which has been updated in both plan and profile, as well as it's Sheet Title reference on Sheet 14 and Sheet 2.

All updated Plans can be found in their entirety in **Attachment A.**

C. SPECIFICATIONS

BIDDING INSTRUCTIONS:

The following paragraph of the Bidding Instructions has been revised as follows:

1. Qualified Bidders

Bidders are advised that in selecting a Contractor, the Owner shall award the Contract for the work to the lowest responsive, responsible bidder. The Owner reserves the right to reject any or all bids or to waive any irregularities or informalities in any bids or in the bidding process. The use of substitute bid forms other than clear and correct

photocopies of those provided by the Owner will not be permitted. The Owner requires that each bidder be properly licensed and sign and submit with their proposal the attached statement of their experience, current financial condition, and references.

Bidders are required to demonstrate previous similar experience for projects of a type similar in magnitude and character to that contemplated under this Contract. Bidder is required to have performed, as the Prime Contractor a minimum of 15,000 linear feet in total recycled water and/or potable water pipeline installation for a minimum of 8-inch diameter, completed since January 1, 2020. The reference projects submitted by the Bidder must demonstrate previous direct experience performing activities within the public street rights-of-way, including but not limited to asphalt removal/replacement, striping, utility conflicts, traffic control, and public coordination. Additionally, at least one of the reference projects submitted for experience must include the installation of a minimum of 5,000 linear feet of 8-inch diameter or larger of C900/C909 PVC pipe in the public street rights-of-way. Bidder's experience shall be provided on Page P-6 of the Proposal Documents.

Please note that similar information is required in the attached Bidder's Plan for Construction with respect to any proposed subcontractor. **Prospective bidders are encouraged to submit completed and signed Plan Holder's Information Form.** Failure to provide completed and signed Plan Holder's Information Form may result in late / no notification. Addenda and other updates will be issued via facsimile, email, District website or any combination thereof, and only to perspective bidders that provide the required information.

PROPOSAL DOCUMENTS:

Proposal Documents have been revised to include additional Contractor requirements details on page P-6 and a bid item (Bid Item No. 113) for "Modifications to Existing Recycled Water Air/Vac Assemblies has been added. Additionally, the description for Bid Item No. 140 has been revised to "Furnish, install, and maintain one (1) project sign" rather than "Furnish, install, and maintain two (2) project signs". The revised Proposal Documents section can be found in its entirety in **Attachment B**.

SPECIAL REQUIREMENTS:

The following sections of the Special Requirements have been revised. The revised Special Requirements section can be found in its entirety in **Attachment C.**

- 34. PROJECT SIGNAGE
- 44. COORDINATION WITH SCHOOL DISTRICT
- 47. STAGING AREA
- 48. <u>MODIFICATIONS TO EXISTING RECYCLED WATER AIR VAC ASSEMBLIES</u>

APPENDICIES:

Appendix M has been added and can be found in Attachment D.

Appendix H has been updated with revised Traffic Control Plans for Bid Schedule III – Limonite Extension. Appendix H can be found in **Attachment E**.

D. QUESTIONS

1. Can you provide a copy of presentation from the pre-bid meeting? Can you provide a copy of the attendees to the mandatory pre-bid meeting?

Answer: Yes, a PDF of the presentation is included in **Attachment F**, and the mandatory pre-bid meeting attendee list is included in **Attachment G**.

2. If we hire DBE, is there a percentage (%) of the job/project that has to go the DBE business?

Answer: There is no DBE percentage (%) requirement, only a Good Faith Outreach requirement during bidding to hire DBE for the project.

When can the documents for proof of publishing be submitted to JCSD?

Answer: The 4500 forms and their backup documents may be submitted to JCSD prior to the bid due date, with the bid proposal documents, or within 24 hours after the bid due date/time.

4. Is the Form 4500-2 required if it is not applicable?

Answer: Form 4500-2 is not required to be submitted. Form 4500-2 is for DBE subcontractor to submit during construction.

5.	Is the contractor required to pressure bridge? Will the contractor have to dis		
	Answer: Yes, the Contractor shall vide exposed one end and before starting the with JCSD team so condition of the pipe Contractor will be responsible for prese connections from new pipe to the exist repairs necessary to the existing pipe	ne connection work. Ye can be assessed a sure testing, disinfect ting pipe. JCSD will	Video should be shared nd confirmed adequate. ction of the line, and the
By: Sh	ane Bloomfield (Engineer of Record)	Date:	4/21/25
	ADDENDUM NO. 3 AC	KNOWLEDGEMEN	<u>T</u>
bid pro P.N. C No. 3	r hereby acknowledges receipt of Adde oposal for: RECYCLED WATER PROG C215078 and bidders shall account for . This acknowledgement page shall roposal Packet.	RAM – SEGMENT 2 all provisions pursu	2 FINAL DESIGN JCSD uant to this Addendum
Contra	actor:	By: (Contractor's Auth	norized Representative)
Date:_		Title:	

ATTACHMENT A

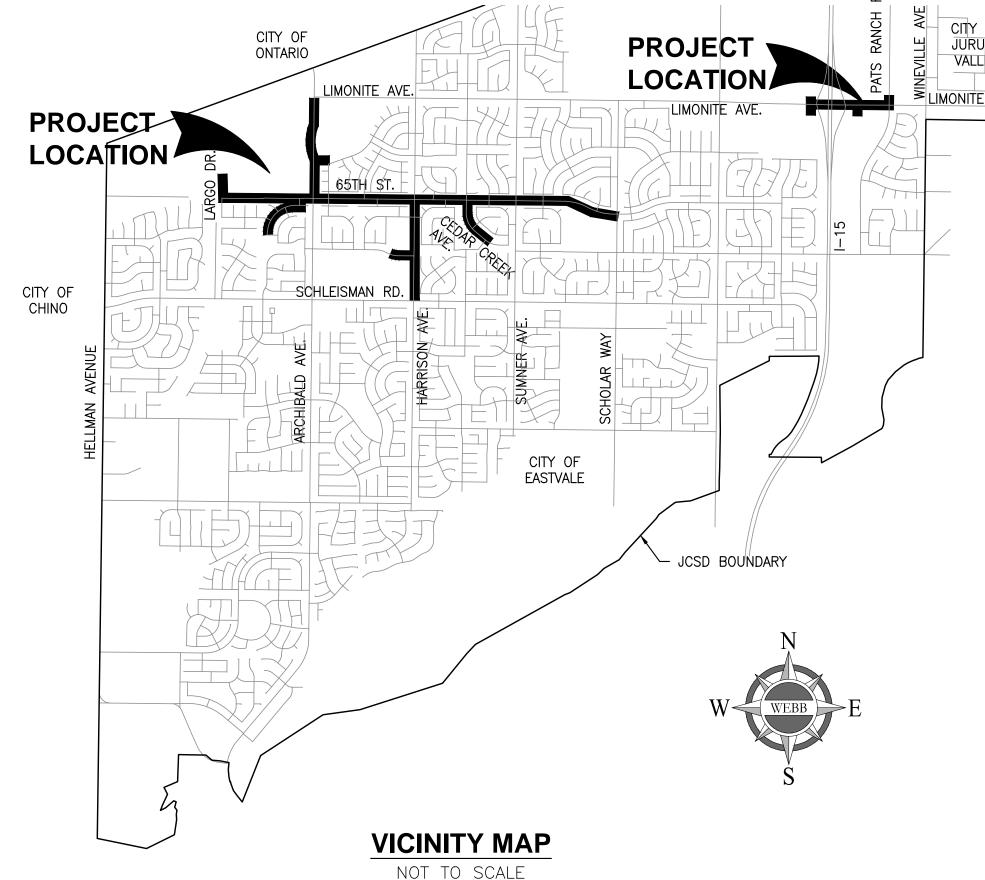
GENERAL NOTES AND REQUIREMENTS:

- 1. THE CONTRACTOR SHALL NOTIFY J.C.S.D. AT LEAST TEN (10) WORKING DAYS PRIOR TO CONSTRUCTION.
- 2. ALL CONSTRUCTION UNDER THIS CONTRACT SHALL CONFORM WITH ALL PROVISIONS OF THE SPECIAL REQUIREMENTS, BASIC SPECIFICATIONS, TECHNICAL SPECIFICATIONS AND CONSTRUCTION DRAWINGS ALL INCLUSIVE UNDER THIS CONTRACT.
- 3. SEPARATION REQUIREMENTS BETWEEN WATER AND SEWER/RECYCLED WATER LINES (4' MINIMUM, 5' FOR LATERALS) SHALL CONFORM TO THE COUNTY OF RIVERSIDE HEALTH DEPARTMENT AND THE STATE WATER RESOURCES CONTROL BOARD REQUIREMENTS. THE AGENCY'S SPECIFICATIONS THAT ARE MORE RESTRICTIVE SHALL GOVERN IN ALL CASES.
- 4. ALL CONSTRUCTION AND MATERIALS SHALL COMPLY WITH J.C.S.D. STANDARDS, SPECIFICATIONS, AND LIST OF APPROVED MANUFACTURED MATERIALS. ANY CONSTRUCTION AND/OR MATERIALS NOT COVERED IN J.C.S.D. STANDARDS AND LIST OF MANUFACTURED MATERIALS SHALL BE APPROVED BY THE DISTRICT PI TO CONSTRUCTION
- 5. PRIOR TO CONSTRUCTION OF THE WATER, SEWER AND/OR RECYCLED WATER LINES, THE CONTRACTOR SHALL EXPOSE THE EXISTING RECYCLED WATER LINES WHERE CONNECTIONS WILL OCCUR AND VERIFY THEIR ELEVATION AND LOCATION. APPROVAL OF J.C.S.D. OF A PROPOSED CONNECTION TO A J.C.S.D. FACILITY
- 6. CONTRACTOR SHALL NOT BACKFILL TRENCH UNTIL THE INSPECTOR HAS OBTAINED AS—BUILT STATIONING ON ALL STRUCTURES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ACCURATE "RECORD DRAWINGS" TO THE DISTRICT IMMEDIATELY AFTER CONSTRUCTION.
- 7. APPROVAL BY J.C.S.D. IMPLIES NO PERMISSION OTHER THAN THAT WITHIN THE DISTRICT'S JURISDICTION. ALL PERMITS REQUIRED BY LAW NOT ALREADY ACQUIRED BY J.C.S.D. SHALL BE ACQUIRED BY THE CONTRACTOR. REQUIREMENTS OF J.C.S.D. SHALL TAKE PRECEDENCE OVER REQUIREMENTS OF OTHER AGENCIES ONLY WHERE J.C.S.D. REQUIREMENTS ARE MORE STRINGENT.
- 8. CONTRACTOR SHALL SHORE ALL TRENCHES AND CONDUCT ALL CONSTRUCTION AND OPERATIONS IN ACCORDANCE WITH CAL—OSHA REQUIREMENTS AND HAVE A ENCROACHMENT AND EXCAVATION PERMITS PRIOR TO THE START OF WORK.
- 10. THE PROPOSED WORK SHALL BE SUBORDINATED TO ANY OPERATIONS J.C.S.D. MAY CONDUCT, AND SHALL BE COORDINATED WITH SUCH OPERATIONS AS DIED BY J.C.S.D.
- 11. A PREJOB MEETING SHALL OCCUR PRIOR TO CONSTRUCTION. ATTENDEES SHALL INCLUDE A DISTRICT INSPECTOR, REPRESENTATIVE FROM J.C.S.D. OPERATION DEPARTMENT, CITY REPRESENTATIVE AND THE CONTRACTOR WHO WILL PERFORM THE WORK.
- 12. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (U.S.A.) AND HAVE ALL UNDERGROUND UTILITIES MARKED TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, PER U.S.A. REQUIREMENTS.
- 13. CONTRACTOR SHALL FURNISH AND INSTALL ALL FACILITIES IN ACCORDANCE WITH THE DISTRICT'S STANDARD SPECIFICATIONS AND STANDARD DRAWINGS FOR RECYCLED WATER FACILITIES (LATEST REVISION). THE SPECIFICATIONS AND STANDARD DRAWINGS ARE AVAILABLE FROM THE DISTRICT. CONTRACTOR SHALL BE POSSESSION OF DISTRICT'S SPECIFICATIONS AND STANDARD DRAWINGS ON THE JOB SITE AT ALL TIMES.
- 14. ALL PERMITS REQUIRED BY LAW SHALL BE ACQUIRED BY THE APPLICANT OR THEIR CONTRACTOR. COPIES OF THE EXCAVATION AND ENCROACHMENT PERMITS W BE GIVEN TO J.C.S.D. PRIOR TO THE PREJOB.

 15. ALL CONSTRUCTION SHALL CONFORM TO CURRENT CAL OSHA SAFETY REQUIREMENTS.
- 16. CONTRACTOR SHALL DESIGNATE A QUALIFIED SUPERINTENDENT WITH FULL AUTHORITY TO ACT ON BEHALF OF THE CONTRACTOR. SAID SUPERINTENDENT SHALL BE
- ON THE JOB SITE AT ALL TIMES.

 17. IMMEDIATELY UPON COMPLETION OF CONSTRUCTION OF THE WATER, SEWER AND/OR RECYCLED WATER PIPELINES, THE CONTRACTOR SHALL HIRE A DISTRICT APPROVED VIDEO COMPANY TO VIDEO THE PIPELINES IN THE PRESENCE OF A DISTRICT REPRESENTATIVE IN DVD FORMAT (VIDEO FILE FORMAT TO BE VIEWABLE ON A STANDARD DVD PLAYER/COMPUTER AND/OR AS APPROVED BY THE DISTRICT). DISTRICT OR DISTRICT REPRESENTATIVE SHALL REVIEW SAID DVD'S FOR POTENTIAL CONSTRUCTION DEFECTS PRIOR TO ACCEPTANCE OF THE PROJECT.
- 18. INSCRIBE AN "RW" ON THE FACE OF THE CURB TO INDICATE WHERE RECYCLED WATER SERVICES CROSS THE CURBLINE.
- 19. COMPACTION TESTS FOR WATER, SEWER AND RECYCLED WATER FACILITIES SHALL BE PERFORMED BY A GEOTECHNICAL FIRM PAID FOR BY J.C.S.D.. ALL COMPACTION TESTS SHALL BE MADE IN ACCORDANCE WITH DISTRICT SPECIFICATIONS. SOILS TESTING RESULTS SHALL BE GIVEN TO THE DISTRICT INSPECTOR ON A DAILY BASIS. AT THE CONCLUSION OF THE PROJECT, A FINAL COMPACTION REPORT SHALL BE GIVEN TO THE DISTRICT.
- 20. REPLACEMENT PAVING IN ALL PAVED ROADS, TRAFFIC CONTROL, RESTRIPING, SPECIAL TRENCH BACKFILL, SPECIAL AGGREGATE BASE REQUIREMENTS, ETC. SHALL BE IN ACCORDANCE WITH THE CITY OF EASTVALE PERMIT REQUIREMENTS. THE CONTRACTOR SHALL NOTIFY THE CITY PUBLIC WORKS DEPARTMENT AT (951) 703—4470 AT LEAST 48 HOURS PRIOR TO STARTING CONSTRUCTION. IF THE PROPOSED PIPELINE CROSSES A PAVED STREET AT AN ANGLE OTHER THAN 90 DEGREES, THE LIMITS OF PAVEMENT OVERLAY SHALL BE AT RIGHT ANGLES TO THE STREET CENTERLINE AND SHALL ENCOMPASS THE ENTIRE TRENCH PAVING
- 21. THE CONTRACTOR SHALL RESTORE PAVED ROADS, DRIVEWAYS, SIDEWALKS, CURB AND GUTTER, ETC. OF THE PRIVATE ROADS WITHIN THE PROJECT LIMITS. ALL REPLACEMENT PAVING, TRAFFIC CONTROL, RESTRIPING, SPECIAL TRENCH BACKFILL, SPECIAL CLASS 2 BASE REQUIREMENTS, ETC. OF PAVED ROADS SHALL BE IN ACCORDANCE WITH THE CITY OF EASTVALE STANDARDS.
- 22. ANY CONTRACTOR/SUBCONTRACTOR PERFORMING WORK ON THIS PROJECT SHALL FAMILIARIZE THEMSELVES WITH THE SITE AND SHALL BE SOLELY RESPONSIBLE FOR ANY DAMAGE TO EXISTING FACILITIES RESULTING DIRECTLY OR INDIRECTLY FROM THEIR OPERATIONS. SAID EXISTING IMPROVEMENTS SHALL INCLUDE BUT NOT BE LIMITED TO BERMS, DITCHES, DRIVEWAYS, FENCES, AND PLANTS. ANY REMOVAL OR DAMAGE TO EXISTING IMPROVEMENTS SHALL BE REPLACED OR REPAIRED TO EXISTING OR BETTER CONDITION BY THE CONTRACTOR AT THEIR EXPENSE AND SHALL BE APPROVED BY THE DISTRICT.
- 23. THE CONTRACTOR/SUBCONTRACTOR SHALL EXAMINE CAREFULLY THE SITE OF THE WORK CONTEMPLATED AS WELL AS THE PLANS AND SPECIFICATIONS. THE SUBMISSION OF A BID PROPOSAL SHALL BE CONCLUSIVE EVIDENCE THAT THE CONTRACTOR/SUB CONTRACTOR HAS INVESTIGATED THE PROJECT SITE AND IS SATISFIED AS TO THE CONDITIONS TO BE ENCOUNTERED, AS TO THE CHARACTER, QUALITY, AND SCOPE OF THE WORK TO BE PERFORMED, AS TO THE QUANTITIES OF MATERIAL TO BE FURNISHED, AND AS TO THE REQUIREMENTS OF THE BID PROPOSAL, PLANS AND GENERAL SPECIFICATIONS.
- 24. LINEAR FEET OF PIPE SHOWN ON THE DRAWINGS ARE HORIZONTAL MEASUREMENTS AND EXTEND THROUGH VALVES, BENDS, AND OTHER APPURTENANCES.

 25. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL AND MAINTAIN ALL CONSTRUCTION, REGULATORY, GUIDE AND WARNING SIGNS WITHIN THE PROJECT LIMITS AND ITS SURROUNDINGS, AND TO PROVIDE SAFE PASSAGE FOR THE TRAVELING PUBLIC AND WORKERS UNTIL THE FINAL COMPLETION AND ACCEPTANCE OF THE PROJECT BY THE DISTRICT. IN AREAS WHERE CONSTRUCTION ACTIVITIES RESTRICT NORMAL ACCESS TO PROPERTIES, THE CONTRACTOR SHALL PROVIDE/MAINTAIN ALTERNATE ACCESS ROUTES WHICH ARE SUBJECT TO APPROVAL BY THE CITY OF EASTVALE.
- 26. TEST PRESSURE SHALL BE 175 PSI. MINIMUM TEST DURATION IS 4 HOURS. DISTRICT INSPECTOR WILL INSPECT TEST USING CONTRACTOR PROVIDED PRESSURE GAUGE. ALL INSPECTOR TIME SPENT INSPECTING AND REQUIRED RETESTS (INCLUDING RATE AND OVERHEAD) SHALL BE AT THE EXPENSE OF THE CONTRACTOR. FOR TESTING PURPOSES ALL PIPE SHALL BE CONSIDERED CLASS 235.
- 27. CONNECTION TO EXISTING WATERLINES SHALL BE REQUESTED TWO (2) WEEKS IN ADVANCE. ACTUAL CONNECTIONS SHALL BE DONE IN THE PRESENCE OF THE DISTRICT INSPECTOR.
- 28. IN THE EVENT OF TRAFFIC STRIPING AND/OR LANE MARKINGS ARE OBLITERATED, THEY SHALL BE REPLACED IN KIND AS DIRECTED BY THE CITY OF EASTVALE.
 29. ALL TRENCH BACKFILL SHALL BE CONTINUALLY INSPECTED, TESTED, AND CERTIFIED BY A SOILS ENGINEER. THE SOILS ENGINEER SHALL SUBMIT A CERTIFIED
- REPORT TO THE CITY ENGINEER SUMMARIZING ALL TESTS TAKEN.
 30. DURING THE WORK DAY, TRENCHES MAY BE LEFT OPEN ACROSS ONLY ONE CROSS STREET AT A TIME. NO TRENCHES SHALL BE LEFT OPEN OVERNIGHT UNLESS AUTHORIZED IN WRITING BY THE CITY OF EASTVALE.
- 31. ALL TRAFFIC PLATES LEFT MUST BE RECESSED, NO EXCEPTIONS AND BE INSPECTED AND APPROVED BY THE CITY OF EASTVALE.
- 32. PERFORM AND PROVIDE PRE-CONSTRUCTION AUDIO/VIDEO PER SPECIFICATIONS. SUBMIT PRE-CONSTRUCTION AUDIO/VIDEO TO DISTRICT FOR REVIEW PRIOR TO START OF CONSTRUCTION TO ENSURE QUALITY FOR POST WORK FOLLOW UP.



PLANS APPROVED BY: JURUPA COMMUNITY SERVICES DISTRICT

BY:CHRIS BERCH, P.E. — GENERAL MANAGER	DATE
BY:	DATE
BY:	DATE
BY:	DATE

GENERAL NOTES AND REQUIREMENTS (RECYCLED WATER):

- 1. MINIMUM COVER OVER THE RECYCLED WATER MAIN SHALL BE 60-INCHES, UNLESS OTHERWISE APPROVED IN WRITING BY THE DISTRIC
- 2. PIPE SHALL BE HANDLED SO AS TO PROTECT PIPE JOINTS, LINING, AND COATING, AND CAREFULLY BEDDED TO PROVIDE CONTINUOUS BEARING AND PREVENT SETTLEMENT. PIPE SHALL BE PROTECTED AGAINST FLOTATION AT ALL TIMES. OPEN ENDS SHALL BE SEALED AT ALL TIMES WHEN CONSTRUCTION IS IN PROGRESS.
- 3. ALL APPURTENANCES (I.E., AV, BO SERVICES, ETC.) THAT REQUIRE RELOCATION SHALL BE RECONSTRUCTED IN ACCORDANCE WITH CURRENT DISTRICT STANDARDS. ALL ABOVE GRADE APPURTENANCES SHALL BE PAINTED PURPLE. EACH APPURTENANCE TO BE RELOCATED SHALL BE EVALUATED IN THE FIELD OF A CASE BY CASE BASIS AND RECONSTRUCTED AS DIRECTED BY THE DISTRICT. HOWEVER, UNLESS OTHERWISE APPROVED BY THE DISTRICT, RELOCATED APPURTENANCES SHALL BE RECONSTRUCTED FROM THE MAIN TO THE PROPOSED LOCATION.
- 4. LOCATOR WIRE SHALL BE INSTALLED OVER ALL PVC WATERLINES, NON-FERROUS SERVICES AND PIPELINES. LOCATOR WIRE SHALL BE 14-1 SOLID INSULA COPPER WIRE (UF), IN A CONTINUOUS STRAND, PLACED ON TOP THE PIPE AND SECURED WITH TAPE. LOCATOR WIRE SHALL BE BROUGHT TO THE SURFA AT ALL APPURTENANCES (I.E. RECYCLED WATER SERVICES, AIR VALVES, BLOWOFFS, ETC.), THUS PROVIDING CONTINUOUS "LOOPING" BETWEEN THE APPURTENANCES AND THE WATER MAIN. ALL SPLICES TO LOCATOR WIRE SHALL BE MADE WITH DIRECT BURY CONNECTORS.

BASIS OF BEARINGS

"THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA STATE PLANE COORDINATE SYSTEM, CCS83, ZONE 6, BASED LOCALLY ON CONTROL STATIONS "CNPP", AND "NOCO" NAD 83(NSRS2011) EPOCH 2010.00 AS SHOWN HEREON. ALL BEARINGS SHOWN ON THIS MAP ARE GRID. QUOTED BEARINGS AND DISTANCES FROM REFERENCE MAPS OR DEEDS ARE AS SHOWN PER THAT RECORD REFERENCE. ALL DISTANCES SHOWN ARE GROUND DISTANCES UNLESS SPECIFIED OTHERWISE. GRID DISTANCES, MAY BE OBTAINED BY MULTIPLYING THE GROUND DISTANCE BY A COMBINATION FACTOR

OF 0.999990123083. CALCULATIONS ARE MADE AT PT. NO. 1 WITH COORDINATES OF: N: 2290562.880, E: 6148584.217, USING AN ELEVATION OF 562.813.

BENCHMARK DATA:

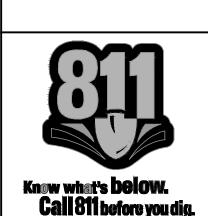
COUNTY/STATE: RIVERSIDE/CA STATION ID; Z 13971 DATUM: NAVD 88 ELEV: 663.50

1" IP W/ TAG LS 4131 DN. 0.04', CL WINEVILLE AVE. \pm 70' S'LY OF 63RD ST.

NOTICE TO CONTRACTOR:

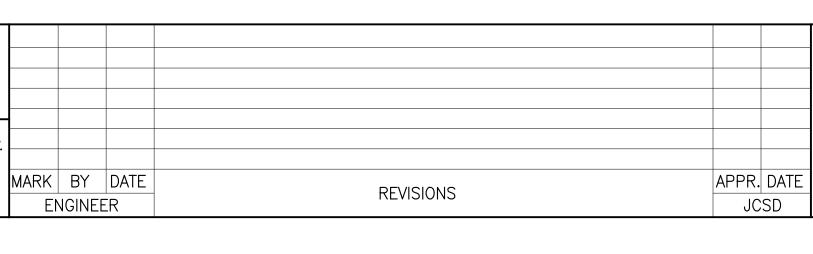
- 1. CONTRACTOR TO VERIFY BY POTHOLING THE EXISTING ELEVATION AND HORIZONTAL LOCATION OF ALL POINTS OF CONNECTIONS AND CROSSINGS PRIOR TO CONSTRUCTION. THE ENGINEER MUST BE NOTIFIED OF ANY DISCREPANCY IMMEDIATELY.
- 2. THE EXISTENCE AND LOCATIONS OF ALL UNDERGROUND UTILITIES (UTILITY PIPES, STRUCTURES, ETC.) SHOWN ON THESE PLANS (MAIN LINES ONLY NO SERVICE LATERALS) WERE ASCERTAINED BY A REVIEW OF RECORDS PROVIDED BY THESE MEMBER AGENCIES AND ARE APPROXIMATE. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY FOR UTILITIES NOT SHOWN OR NOT IN THE LOCATION SHOWN.
- 3. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS. LOCATIONS OF UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- 4. THE QUANTITY ESTIMATE SHOWN HEREON IS FOR THE USE OF GOVERNING AGENCIES IN DETERMINING BOND AMOUNTS AND/OR FEES AND IS NOT TO BE USED FOR BID PURPOSES.

AGENCY OR UTILITY	TELEPHONE NO. OR E-MAIL
	Name: Ms. Susan Blackburn
T&T - Distribution	Phone: 714-507-3526
D.O	Name: Stacy Allee
P Communications - Fontana	Phone: 760-985-2438
land Empire Utilities Agency	Name: Mr. Matthew Poeske
EUA)	Phone: 909-993-1600
urupa Community Services	Name: Mr. Anthony Marricco
istrict (JCSD)	Phone: 951-685-7434
roun Cootle I A 9 Von	Name: Fiber Dig
rown Castle - LA & Ven	Phone: 888-632-0931
anta Ana Watershed Project	Name: Mr. Carlos Quintero
uthority (SAWPA)	Phone: 951-354-4234
oCalGas - Distribution - Corona	Name: Mr. Geary Ambers
ocaldas - Distribution - Corona	e-mail: SCGSERegionRedlandsUtilityRequest@semprautilities.com
nostrum Diverside	Name: Mr. Mike Pagano
pectrum - Riverside	Phone: 951-406-1690
o. Calif. Edison - Metro East	Name: Map Request Team
egion	Phone: 909-548-7249
iverside County Flood Control &	Name: Mr. Rudy Tabares, Jr.
later Conservation District	Phone: 951-955-0087
ity of Eastwale	Name: Public Works Department
City of Eastvale	Phone: 951-703-4470



WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER JCSD APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY JCSD.







PREPARED UNDER THE SUPERVISION OF:

A S S O C I A T E S

FAX (951) 788-1256

DESIGNED BY: TV CHECKED BY: SB

R.C.E. NO.: C77435

DATE: 3/20/2025

ENCHMARK: SEE ABOVE	JURUPA COMMUNITY	SERVICES	DISTRICT	SHEET NO.
	CITY OF EASTVALE/JUR	UPA VALLEY	, CALIFORNIA	4
	JCSD RECYCLED WAT			
	SEGMENT 2			
		CHEET		of 26 _{SHEETS}
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ALE: RIZONTAL: <u>1" = 500'</u> VERTICAL: <u>1" = 500'</u>	FOR: J.C.S.D.	W.O. 22-0187	CITY FILE NO. PW22-1	0010

PLAN SHEETS\BLUE\21-0050-C-01-TITLE-BLUE.DWG 4/16/2025 2:01:07 PM



- INSTALL 18" DIA. RECYCLED WATER MAIN (C-900 CL 235 PVC). TRENCHING, (1) BEDDING, AND BACKFILL PER JCSD STD. DWG. R/NP-2A, SPEC SECTION F, AND CITY OF EASTVALE PERMIT REQUIREMENTS
- (2) INSTALL 18" DIA. FLANGED DUCTILE IRON 45° BEND W/FL X MJ ADAPTER
- (3) INSTALL 18" DIA. FLANGED DUCTILE IRON 11.25° BEND W/FL X MJ ADAPTER
- INSTALL 8" DIA. RECYCLED WATER MAIN (C-909 CL 235 PVCO). TRENCHING. (4) BEDDING, AND BACKFILL PER JCSD STD. DWG. R/NP-2A, SPEC SECTION F, AND CITY OF EASTVALE PERMIT REQUIREMENTS
- (5) INSTALL 18" DIA. FLANGED DUCTILE IRON 22.5° BEND W/FL X MJ ADAPTER
- 6 INSTALL 3" AIR RELEASE AND VACUUM VALVE ASSEMBLY PER JCSD STD. DWG. R/NP-15A
- (7) INSTALL 4" BLOW-OFF ASSEMBLY PER JCSD STD. DWG. R/NP-17
- INSTALL 2" AIR RELEASE AND VACUUM VALVE ASSEMBLY PER JCSD STD. DWG. 8 R/NP-14/14A DEPENDING ON PIPE MATERIAL
- (9) INSTALL 18" DIA. FLANGED DUCTILE IRON TEE W/FL X MJ ADAPTER
- INSTALL 18" DIA. FL X FL BFV W/FL X MJ ADAPTER PER JCSD STD. DWG. R/NP-7
- (11) INSTALL 18" X 8" DIA. FLANGED DUCTILE IRON TEE W/FL X MJ ADAPTER
- INSTALL 8" DIA. FL X FL RSGV W/FL X MJ ADAPTER PER JCSD STD. DWG. R/NP-6
- (13) INSTALL 8" DIA. FLANGED DUCTILE IRON TEE W/FL X MJ ADAPTER
- (14) INSTALL 8" DIA. FLANGED DUCTILE IRON 90° BEND W/FL X MJ ADAPTER
- GRIND AND OVERLAY 2" ARHM PER CITY OF EASTVALE ENCROACHMENT PERMIT REQUIREMENTS AND SPEC SECTION G
- 16 INSTALL 1" RECYCLED WATER SERVICE LATERAL AND METER BOX PER JCSD STD. DWG. R/NP-8/8A DEPENDING ON PIPE MATERIAL
- 17 INSTALL 1.5" RECYCLED WATER SERVICE LATERAL AND METER BOX PER JCSD STD. DWG. R/NP-9/9A DEPENDING ON PIPE MATERIAL
- INSTALL 2" RECYCLED WATER SERVICE LATERAL AND METER BOX PER JCSD STD. DWG. R/NP-10/10A DEPENDING ON PIPE MATERIAL
- (19) INSTALL 4" RECYCLED WATER SERVICE LATERAL AND METER BOX PER JCSD STD. DWG. R/NP 11/A DEPENDING ON PIPE MATERIAL
- INSTALL 6" RECYCLED WATER SERVICE LATERAL AND METER BOX PER JCSD STD. DWG. R/NP-12/A DEPENDING ON PIPE MATERIAL

(21) INSTALL 8" X 6" DIA. FLANGED DUCTILE IRON TEE W/FL X MJ ADAPTER

- (22) INSTALL 18" DIA. FLANGED DUCTILE IRON 90° BEND W/FL X MJ ADAPTER
- INSTALL 4" DIA. FL X FL RSGV W/FL X MJ ADAPTER PER JCSD STD. DWG. R/NP-6 AND 4" PIPING WITH CAP TO LOCATION SHOWN
- (24) INSTALL 6" BLOW-OFF ASSEMBLY PER JCSD STD. DWG. R/NP-18A
- INSTALL 6" DIA. FL X FL RSGV W/FL X MJ ADAPTER PER JCSD STD. DWG. 25) R/NP-6 AND 6" PIPING TO LOCATION SHOWN FOR CONNECTION TO PROPOSED BACKFLOW DEVICE PER DETAIL 17A ON SHEET 17
- (26) INSTALL 18" X 8" DIA. FLANGED DUCTILE IRON CROSS W/FL X MJ ADAPTER
- (27) ABANDON EXISTING WATER SERVICE LINE PER JCSD STD. DWG. D-9
- (28) INSTALL 8" X 4" FLANGED DUCTILE IRON TEE W/FL X MJ ADAPTER
- (29) INSTALL 18" BLIND FLANGE
- (30) INSTALL 8" X 4" DIA. FLANGED DUCTILE IRON CROSS W/FL X MJ ADAPTER
- (31) INSTALL 8" DIA. FLANGED DUCTILE IRON 45° BEND W/FL X MJ ADAPTER
- (32) INSTALL 8" DIA. FLANGED DUCTILE IRON 11.25° BEND W/FL X MJ ADAPTER
- (33) INSTALL 18" DIA. FLANGED DUCTILE IRON CROSS W/FL X MJ ADAPTER
- (34) INSTALL 8" BLIND FLANGE
- INSTALL 18" X 8" DIA. FLANGED DUCTILE IRON REDUCER W/FL X MJ ADAPTER
- (36) INSTALL END CAP AND THRUST BLOCK PER JCSD STD. DWG. C-1 OR C-2

LEGEND

PROPOSED PIPELINE (SIZE NOTED) PROPOSED INLINE GATE VALVE OR BUTTERFLY VALVE (LINE SIZE)

PROPOSED AIR VALVE PROPOSED BLOW-OFF

NEW WATER SERVICE AND METER

—— 42" S ——

EXISTING UNDERGROUND ELECTRIC LINE EXISTING SEWER MAIN (SIZE NOTED) EXISTING STORM DRAIN (SIZE NOTED) EXISTING GAS LINE (SIZE NOTED)

EXISTING UNDERGROUND TELEPHONE LINE EXISTING WATERLINE (SIZE NOTED) EXISTING CURB AND GUTTER _____

> EXISTING PROPERTY/LOT LINE EXISTING WATER VALVE (GENERAL)

EXISTING RIGHT-OF-WAY LINE

EXISTING BLOW-OFF EXISTING FIRE HYDRANT

> FLOWLINE DRAINAGE SWALE OR DITCH EXISTING TELEPHONE RISER EXISTING MAILBOX EXISTING MONUMENT

EXISTING EDGE OF PAVEMENT

EXISTING SEWER MANHOLE EXISTING WATER SERVICE AND METER

PROPOSED GRIND AND OVERLAY

12345 PROPERTY ADDRESS

SHEET INDEX

TITLE SHEET NOTES, LEGEND, ABBREVIATIONS, AND INDEX SHEET LARGO DRIVE STA. 9+35.89 TO STA. 17+00.00 65TH STREET STA. 17+00.00 TO STA. 25+00.00 65TH STREET STA. 25+00.00 TO STA. 33+00.00 65TH STREET STA. 33+00.00 TO STA. 42+00.00 65TH STREET STA. 42+00.00 TO STA. 51+00.00 65TH STREET STA. 51+00.00 TO STA. 60+00.00 65TH STREET STA. 60+00.00 TO STA. 69+00.00 65TH STREET STA. 69+00.00 TO STA. 78+00.00 65TH STREET STA. 78+00.00 TO STA. 87+00.00 65TH STREET STA. 87+00.00 TO STA. 96+00.00

65TH STREET STA. 96+00.00 TO STA. 105+00.00 65TH STREET STA. 105+00.00 TO STA. (109+05,82) SETTLER'S RIDGE CT STA. 10+00.00 TO STA. 15+00.00 SETTLER'S RIDGE CT STA. 15+00.00 TO STA. 23+98.59

- ARCHIBALD AVE STA. 10+00.00 TO STA. 20+00.00 HARRISON AVE STA. 10+00.00 TO STA. 20+00.00 19. HARRISON AVE STA. 20+00.00 TO STA. 30+00.00
- HARRISON AVE STA. 30+00.00 TO STA. 35+47.67 WHISPERING HILLS DR STA. 10+00.00 TO STA. 16+12.45 22. CEDAR CREEK RD STA. 10+00.00 TO STA. 19+38.37
- ARCHIBALD AVE STA. 10+00 TO STA. 10+95.94 24. ARCHIBALD AVE STA. 20+00.00 TO STA. 29+00.00 25. ARCHIBALD AVE STA. 29+00.00 TO STA. 31+75.72
- 26. POTABLE WATER ABANDONMENT LOCATIONS PHOTO SHEET

AIR VALVE AND BLOW-OFF NOTE:

- 1. STATION CALL-OUT FOR PROPOSED AIR VALVES AND BLOW-OFFS ARE TYPICALLY SHOWN AT THE NEAREST VPI. ACTUAL LOCATION OF PROPOSED AIR VALVES AND BLOW-OFFS SHALL BE ADJUSTED IN THE FIELD TO ACCOMMODATE CONSTRUCTION. AIR VALVES SHALL BE INSTALLED AT THE HIGHEST LOCATION POSSIBLE AND BLOW-OFFS SHALL BE INSTALLED AT THE LOWEST LOCATION POSSIBLE
- 2. ADDITIONAL HIGH POINTS AND LOW POINTS INCURRED BY THE CONTRACTOR MEANS AND METHODS MAY REQUIRE ADDITIONAL AIR VALVES AND BLOW-OFFS AND SUCH LOCATIONS DETERMINED TO BE REQUIRED SHALL BE PROVIDED AT NO COST TO THE DISTRICT.
- 3. ACTUAL LOCATIONS OF THE AIR VALVE ASSEMBLY AND BLOW-OFF ASSEMBLY SHALL BE COORDINATED WITH THE DISTRICT INSPECTOR AND NOT IMPEAD ON ANY EXISTING SIDEWALK, WALKWAY, OR BIKE PATHS.

PIPE RESTRAINTS AND PIPE DEFLECTION NOTE:

1. DUE TO THE REQUIREMENT OF USING PIPE RESTRAINT ON ALL PIPE JOINTS, DEFLECTIONS (HORIZONTAL OR VERTICAL) SHOWN ON THE PLANS MAY NOT BE ACHIEVED WITH STANDARD PIPE JOINT RESTRAINTS. CONTRACTOR SHALL PULL THE JOINTS AS NECESSARY OR UTILIZE RESTRAINED HIGH DEFLECTION COUPLINGS. COSTS FOR HIGH DEFLECTION COUPLINGS SHALL BE INCLUDED IN THE APPROPRIATE BID ITEMS FOR HIGH DEFLECTION COUPLINGS.

CONTROL DENSITY FILL NOTE:

CONTRACTOR SHALL INSTALL CONTROL DENSITY FILL IN LOCATIONS WHERE MECHANICAL COMPACTION ABOVE OR BELOW EXISTING UTILITIES IS NOT POSSIBLE.

ABBREVIATIONS

ABAND ABANDON AHEAD STATION AMERICAN NATIONAL STANDARDS INSTITUTE AMERICAN SOCIETY FOR TESTING MATERIALS AIR VALVE AMERICAN WATER WORKS ASSOCIATION AWWA BEGIN CURVE BFV BUTTERFLY VALVE BACK STATION BLIND FLANGE BLOW OFF BOTTOM CHINO BASIN DESALTER AUTHORITY CTS CATHODIC TEST STATION C.O. CLEAN OUT CEMENT MORTAR LINED/CEMENT MORTAR COATED COUPLING DUCTILE IRON PIPE END CURVE ELECTRICAL EASEMENT

ESMT EX. **EXIST** FIRE HYDRAN FLANGE OR FLANGED FLOWLINE FIBER OPTIC GAS LINE OR SERVICE GALLONS PER MINUTE GATE VALVE

HORIZONTAL POINT OF INTERSECTION IRON PIPE SIZE JURUPA COMMUNITY SERVICES DISTRICT MAILBOX MANHOLE MECHANICAL JOINT POLYVINYL CHLORIDE REDUCER

RESTRAINED JOINT RESILIENT SEATED GATE VALVE SANITARY SEWER SEWER MAIN OR HOUSE LATERAL STORM DRAIN STREET LIGHT

SEWER TELEPHONE CABLE OR CONDUIT UNDERGROUND VITRIFIED CLAY PIPE VERTICAL POINT OF INTERSECTION

WATER MAIN OR SERVICE WELDED STEEL PIPE

9+78.55 P-W6B W/ QUICK READ PORT LID J&R Concrete Badger E-Series 2-inch 2-inch 2-inch 46011425 9+85.52 P-W6B W/ QUICK READ PORT LID Badger E-Series J&R Concrete 2-inch 2-inch 46011425 28+09.89 P-W6B W/ QUICK READ PORT LID 33671150 Badger E-Series J&R Concrete 2-inch 2-inch 2-inch Badger E-Series 30+42.28 P-W6B W/ QUICK READ PORT LID J&R Concrete 1.5-inch 1.5-inch 35746202 42+49.89 P-W6B W/ QUICK READ PORT LID J&R Concrete 2-inch 46011387 Badger E-Series 2-inch 2-inch Badger E-Series 57+70.00 P-W6B W/ QUICK READ PORT LID J&R Concrete 2-inch 2-inch 43057082 2-inch 10 76+18.22 Badger E-Series 1.5-inch P-W6B W/ QUICK READ PORT LID J&R Concrete 1.5-inch 1.5-inch 43057084 11 81+10.00 P-W6B W/ QUICK READ PORT LID 1.5-inch Badger E-Series 1.5-inch J&R Concrete 1.5-inch 34049291 Badger E-Series 11 81+43.06 1.5-inch P-W6B W/ QUICK READ PORT LID J&R Concrete 1.5-inch 1.5-inch 35767675 12 95+95.00 P-W6B W/ QUICK READ PORT LID 35767673 Badger E-Series 1.5-inch J&R Concrete 1.5-inch 1.5-inch 13 100+43.35 N/A N/A N/A N/A N/A 6-inch N/A Badger E-Series P-W6B W/ QUICK READ PORT LID 15 10+01.00 N/A 3-inch 2-inch 34049543 2-inch Badger E-Series G2 17 10+83.22 1-inch P-W6B W/ QUICK READ PORT LID J&R Concrete 1-inch 1-inch 47652165 17 11+05.00 P-W6B W/ QUICK READ PORT LID 1.5-inch 46509315 Badger E-Series 2-inch J&R Concrete 2-inch N/A 17 N/A N/A N/A N/A 16+83.85 6-inch Badger E-Series G2 17 19+09.19 N/A 6' x 8' 4-inch 34049539 6-inch 4-inch Badger E-Series P-W6B W/ QUICK READ PORT LID J&R Concrete 18 11+01.94 1.5-inch 1.5-inch 1.5-inch 40484768 20 31+66.14 P-W6B W/ QUICK READ PORT LID J&R Concrete 1-inch 33653210 Badger E-Series 1-inch 1-inch Badger E-Series 20 31+71.14 1.5-inch P-W6B W/ QUICK READ PORT LID J&R Concrete 1.5-inch 1.5-inch 43057097 21 10+01.22 N/A N/A N/A N/A 34034836 4-inch 3-inch 21 10+01.22 N/A N/A 3-inch N/A 34038643 N/A 4-inch 22 P-W6B W/ QUICK READ PORT LID Badger E-Series 10+85.27 J&R Concrete 3-inch 2-inch 43057088 2-inch 22 15+24.27 Badger E-Series 2-inch P-W6B W/ QUICK READ PORT LII 3-inch 2-inch 34036347 24 26+79.37 P-W6B W/ QUICK READ PORT LID N/A Badger E-Series 2-inch J&R Concrete New Meter 2-inch P-W6B W/ QUICK READ PORT LID Badger E-Series G2 24 26+89.43 J&R Concrete New Meter 1-inch N/A 1-inch 24 N/A N/A 27+02.15 4-inch N/A N/A N/A N/A Badger E-Series G2 New Meter 25 29+39.87 P-W6B W/ QUICK READ PORT LID J&R Concrete 1-inch N/A 1-inch Badger E-Series G2 N/A 25 29+88.87 P-W6B W/ QUICK READ PORT LID J&R Concrete New Meter 1-inch 25 30+30.21 P-W6B W/ QUICK READ PORT LID N/A Badger E—Series G2 J&R Concrete New Meter 1-inch 1-inch Badger E-Series G2 N/A 25 31+50.22 1-inch P-W6B W/ QUICK READ PORT LID J&R Concrete New Meter 1-inch

J&R Concrete

New Meter

2-inch

LATERAL INDEX

Manufacturer

Proposed Meter

Existing Meter Size

Existing Meter

N/A

Badger E-Series

FILE NO. PW22-10010

22-0187

Number

Meter Model No.

Vault Size (Internal Dim) -

(Provided by Contractor)

ateral/Service |

Sheet

Station

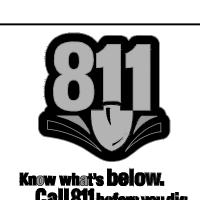
31+75.72

2-inch

*All meters to be provided with Badger Meter ORION Cellular C endpoint

HUBER PARK _ıPARK 65TH STREET SHEET 10 SHEET 4 SHEET 6 SHEET 7 SHEET 9 SHEET 8 SHEET 1 SHEET 12 SHEET 14 65TH STREET HARADA HERITAGE ROSA PARKIS ELEMENTARY SUMNER SCHOOL CEDAR CREEK PARK DEER CREEK PARK SHEET 21 WHISPERING HILLS DR. AUGUSTINE RAMIREZ INTERMEDIATE EASTVALE COMMUNITY CENTER 0

P-W6B W/ QUICK READ PORT LID



WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED.

HE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR SSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER JCSD APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY JCSD.

	\triangle	SLB	4/17/25	ADDENDUM NO. 3 REVISION FOR STATIONING PER SEGMENT 3 VALVE INSTALLATION		
_						
	MARK	BY	DATE	DEVICIONIC	APPR.	DATE
ENGINEER		ĒR	REVISIONS		JCSD	
	-					

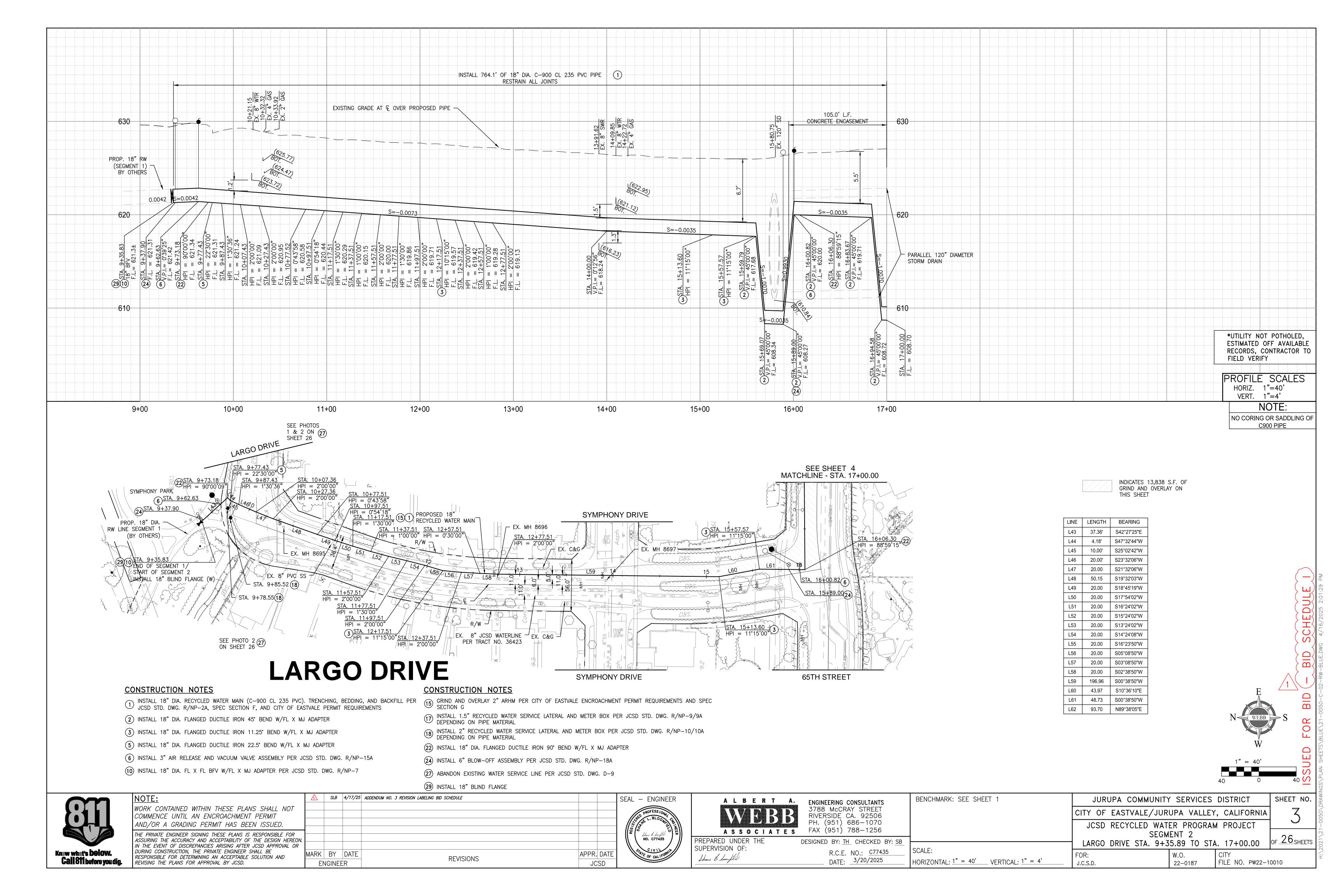


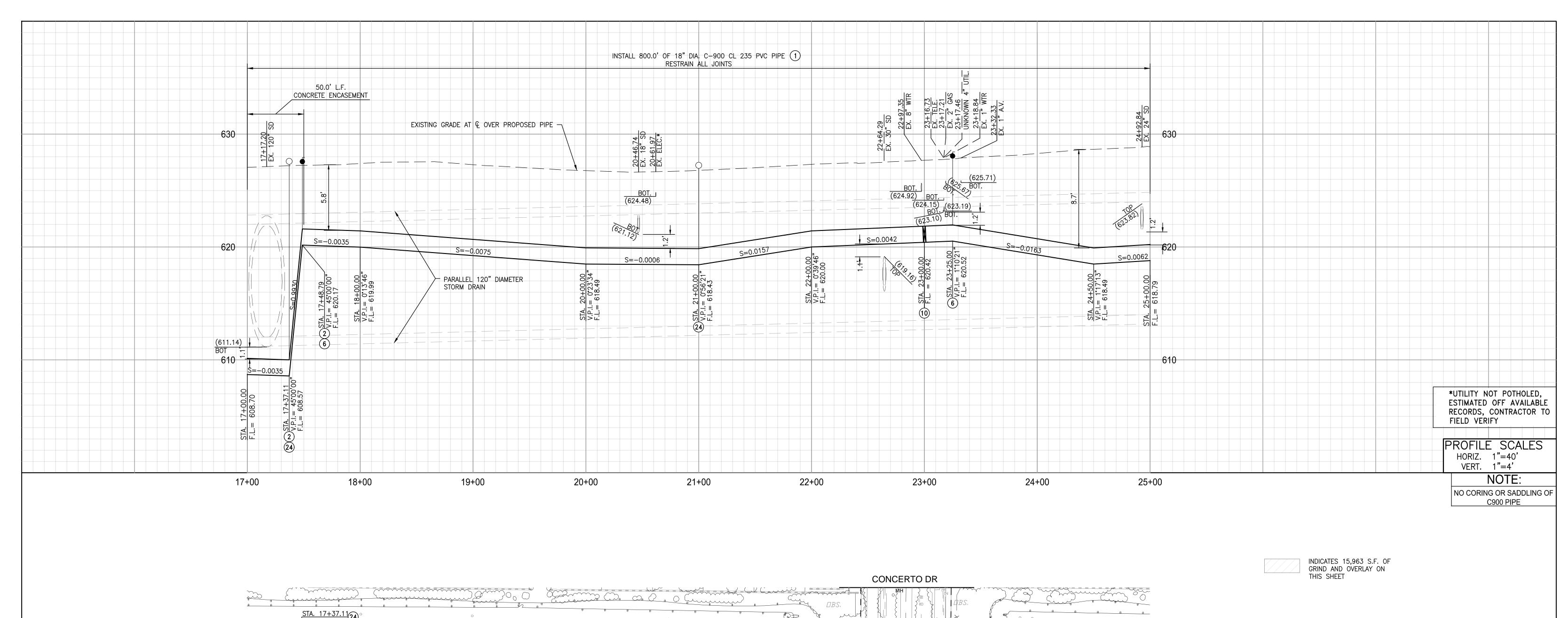


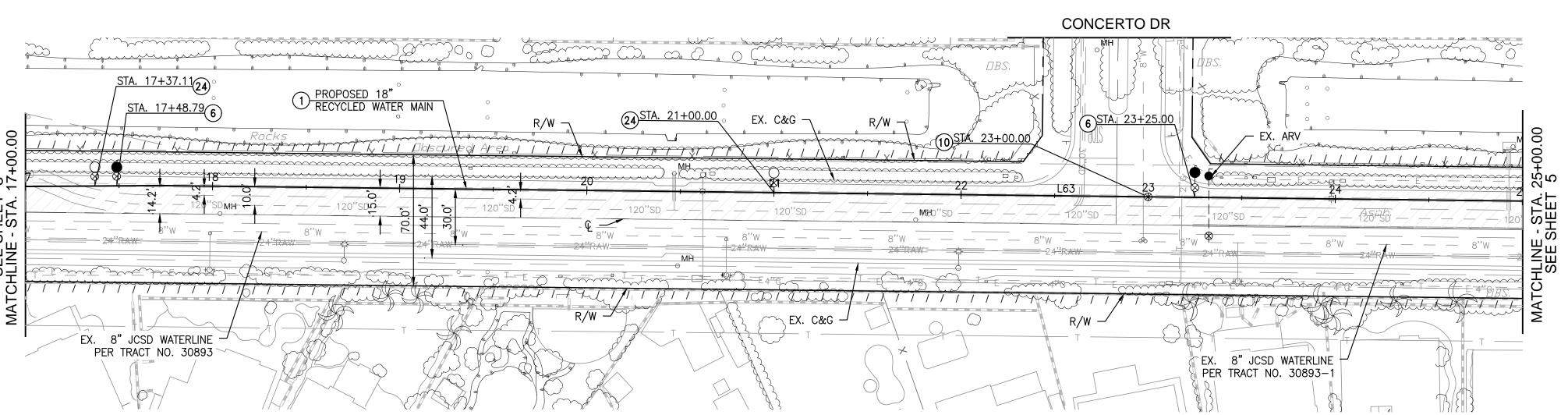
ENGINEERING CONSULTANTS 3788 McCRAY STREET RIVERSIDE CA. 92506 PH. (951) 686-1070 FAX (951) 788-1256

PREPARED UNDER THE DESIGNED BY: TV CHECKED BY: SB SUPERVISION OF: R.C.E. NO.: <u>C77435</u> Shame B limited DATE: 3/20/2025

JURUPA COMMUNITY SERVICES DISTRICT SHEET NO. BENCHMARK: SEE SHEET 1 CITY OF EASTVALE/JURUPA VALLEY, CALIFORNIA JCSD RECYCLED WATER PROGRAM PROJECT SEGMENT 2 NOTES, LEGEND, ABBREVIATIONS 26_{SHEETS} AND INDEX SHEET W.O.







LINE LENGTH BEARING L63 | 896.60' | S89°21'00"E

65TH STREET

CONSTRUCTION NOTES

- INSTALL 18" DIA. RECYCLED WATER MAIN (C-900 CL 235 PVC). TRENCHING, BEDDING, AND BACKFILL PER JCSD STD. DWG. R/NP-2A, SPEC SECTION F, AND CITY OF EASTVALE PERMIT REQUIREMENTS
- 2 INSTALL 18" DIA. FLANGED DUCTILE IRON 45° BEND W/FL X MJ ADAPTER
- (6) INSTALL 3" AIR RELEASE AND VACUUM VALVE ASSEMBLY PER JCSD STD. DWG. R/NP-15A
- (10) INSTALL 18" DIA. FL X FL BFV W/FL X MJ ADAPTER PER JCSD STD. DWG. R/NP-7
- (24) INSTALL 6" BLOW-OFF ASSEMBLY PER JCSD STD. DWG. R/NP-18A

FORNIA

SHEET NO

REVISING THE PLANS FOR APPROVAL BY JCSD.

WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED HE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR SSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER JCSD APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND

\triangle	SLB	4/17/25	ADDENDUM NO. 3 REVISION LABELING BID SCHEDULE		
MARK	BY	DATE	DEVICIONIC	APPR	. DATE
ENGINEER		R	REVISIONS		SD



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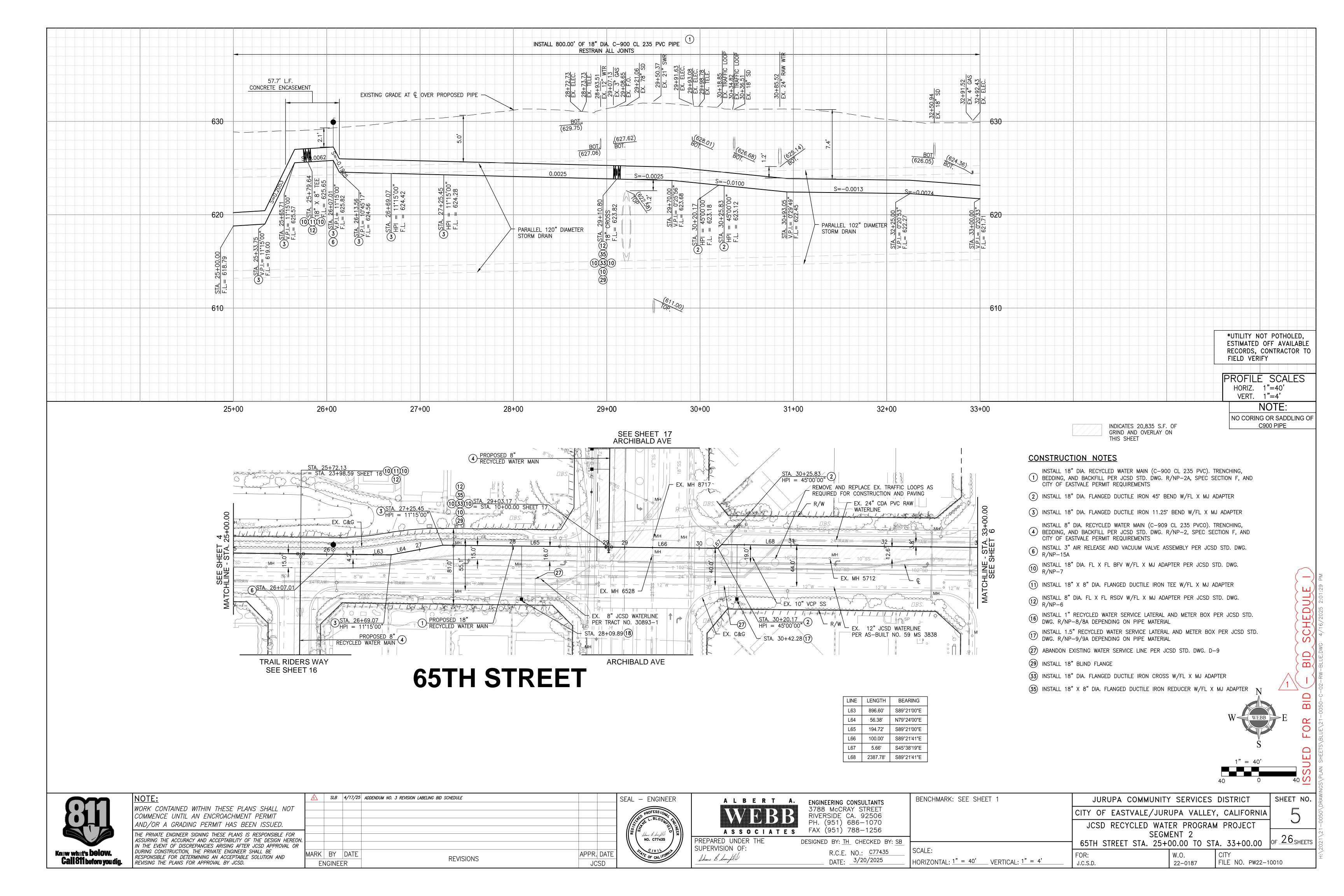
ENGINEERING CONSULTANTS 3788 McCRAY STREET RIVERSIDE CA. 92506 PH. (951) 686-1070 FAX (951) 788-1256

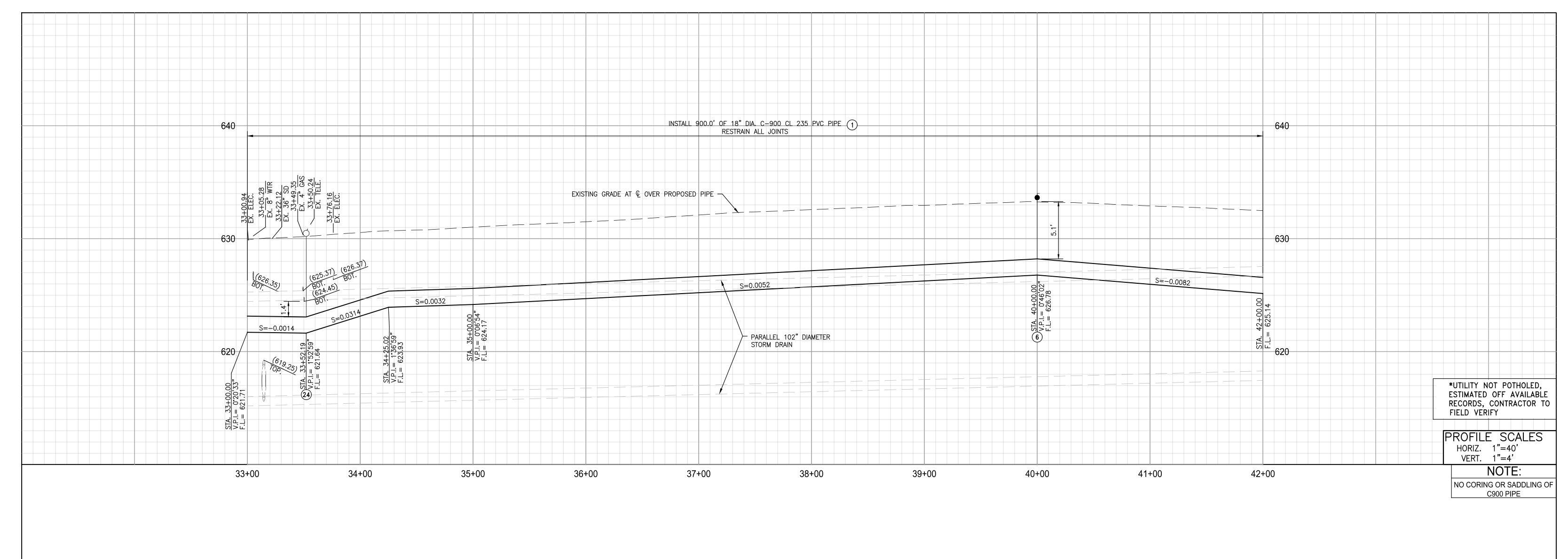
PREPARED UNDER THE DESIGNED BY: TH CHECKED BY: SB SUPERVISION OF: R.C.E. NO.: <u>C77435</u> Shame Blingle DATE: 3/20/2025

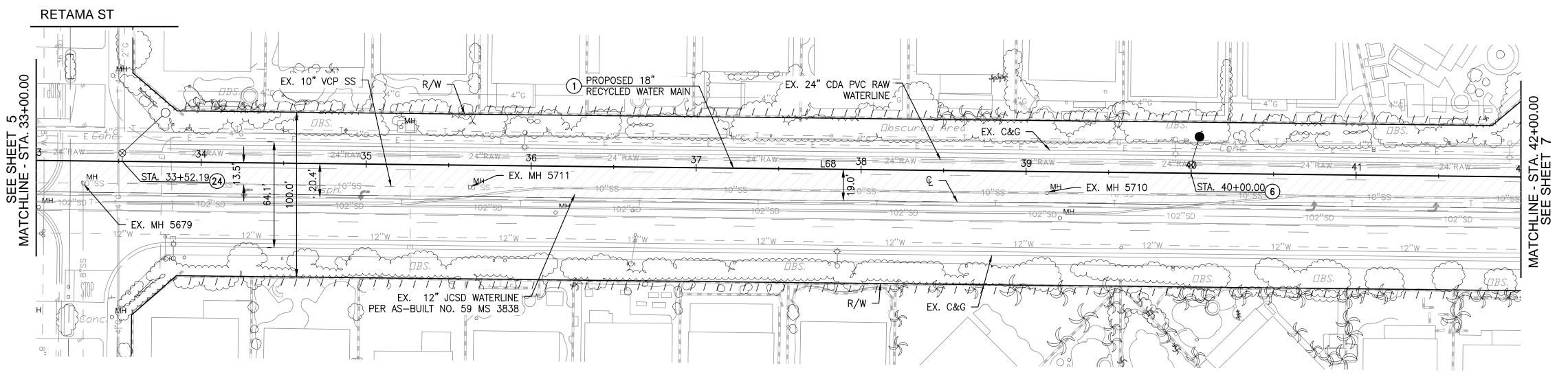
BENCHMARK: SEE SHEET 1	JURUPA COMMUNITY SERVICES DISTRIC
	CITY OF EASTVALE/JURUPA VALLEY, CALIFO
	JCSD RECYCLED WATER PROGRAM PROJE
	SEGMENT 2
COALE.	65TH STREET STA. 17+00.00 TO STA. 25+0

HORIZONTAL: 1" = 40' VERTICAL: 1" = 4'

00.00 OF 26 SHEETS FILE NO. PW22-10010 22-0187

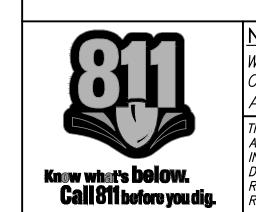




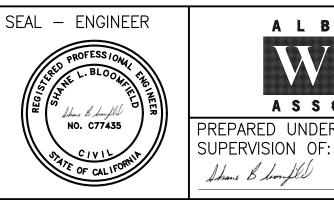


CONSTRUCTION NOTES

- INSTALL 18" DIA. RECYCLED WATER MAIN (C-900 CL 235 PVC). TRENCHING, 1 BEDDING, AND BACKFILL PER JCSD STD. DWG. R/NP-2A, SPEC SECTION F, AND CITY OF EASTVALE PERMIT REQUIREMENTS
- 6 INSTALL 3" AIR RELEASE AND VACUUM VALVE ASSEMBLY PER JCSD STD. DWG. R/NP-15A
- (24) INSTALL 6" BLOW-OFF ASSEMBLY PER JCSD STD. DWG. R/NP-18A



SLB 4/17/25 ADDENDUM NO. 3 REVISION LABELING BID SCHEDULE WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED. THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR SSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER JCSD APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE MARK BY DATE APPR. DATE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISIONS REVISING THE PLANS FOR APPROVAL BY JCSD. JCSD ENGINEER





ENGINEERING CONSULTANTS 3788 McCRAY STREET RIVERSIDE CA. 92506 PH. (951) 686-1070 FAX (951) 788-1256

DESIGNED BY: TH CHECKED BY: SB R.C.E. NO.: <u>C77435</u> DATE: 3/20/2025 HORIZONTAL: 1" = 40' VERTICAL: 1" = 4'

BENCHMARK: SEE SHEET 1

J.C.S.D.

JURUPA COMMUNITY SERVICES DISTRICT CITY OF EASTVALE/JURUPA VALLEY, CALIFORNIA JCSD RECYCLED WATER PROGRAM PROJECT SEGMENT 2 65TH STREET STA. 33+00.00 TO STA. 42+00.00

W.O.

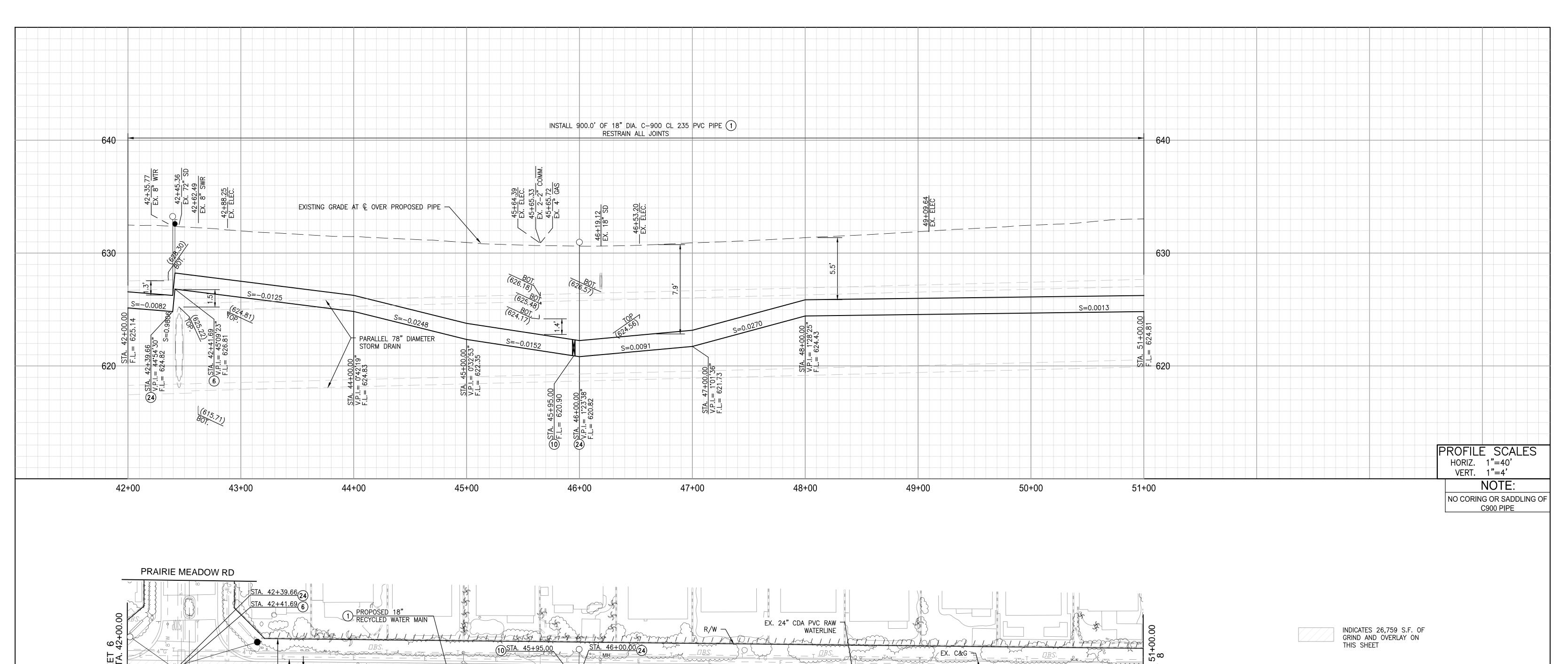
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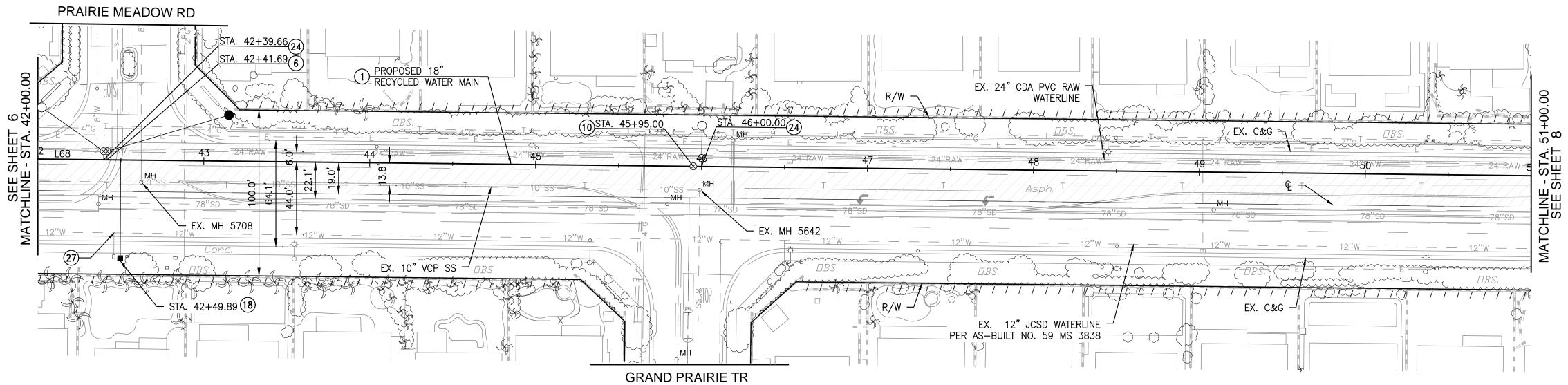
OF 26 SHEETS FILE NO. PW22-10010

SHEET NO.

INDICATES 26,720 S.F. OF GRIND AND OVERLAY ON THIS SHEET

LINE LENGTH BEARING L68 | 2387.78' | S89°21'41"E

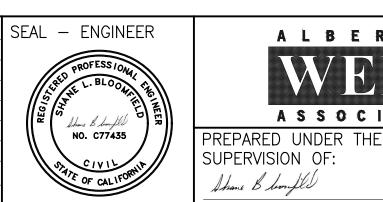




CONSTRUCTION NOTES

- INSTALL 18" DIA. RECYCLED WATER MAIN (C-900 CL 235 PVC). TRENCHING, BEDDING, AND BACKFILL PER JCSD STD. DWG. R/NP-2A, SPEC SECTION F, AND CITY OF EASTVALE PERMIT REQUIREMENTS
- 6 INSTALL 3" AIR RELEASE AND VACUUM VALVE ASSEMBLY PER JCSD STD. DWG. R/NP-15A
- (10) INSTALL 18" DIA. FL X FL BFV W/FL X MJ ADAPTER PER JCSD STD. DWG. R/NP-7
- 18 INSTALL 2" RECYCLED WATER SERVICE LATERAL AND METER BOX PER JCSD STD. DWG. R/NP-10/10A DEPENDING ON PIPE MATERIAL
- 24 INSTALL 6" BLOW-OFF ASSEMBLY PER JCSD STD. DWG. R/NP-18A
- 27) ABANDON EXISTING WATER SERVICE LINE PER JCSD STD. DWG. D-9

SLB 4/17/25 ADDENDUM NO. 3 REVISION LABELING BID SCHEDULE WORK CONTAINED WITHIN THESE PLANS SHALL NOT THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR SSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER JCSD APPROVAL OR APPR. DATE MARK BY DATE REVISIONS ENGINEER JCSD





ENGINEERING CONSULTANTS 3788 McCRAY STREET RIVERSIDE CA. 92506 PH. (951) 686-1070 FAX (951) 788-1256

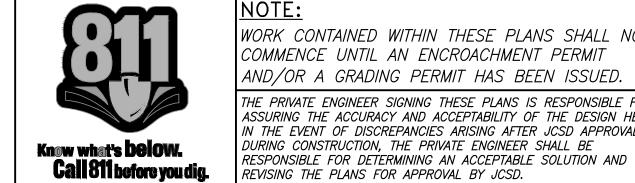
DESIGNED BY: TH CHECKED BY: SB R.C.E. NO.: <u>C77435</u> DATE: 3/20/2025 HORIZONTAL: 1" = 40' VERTICAL: 1" = 4'

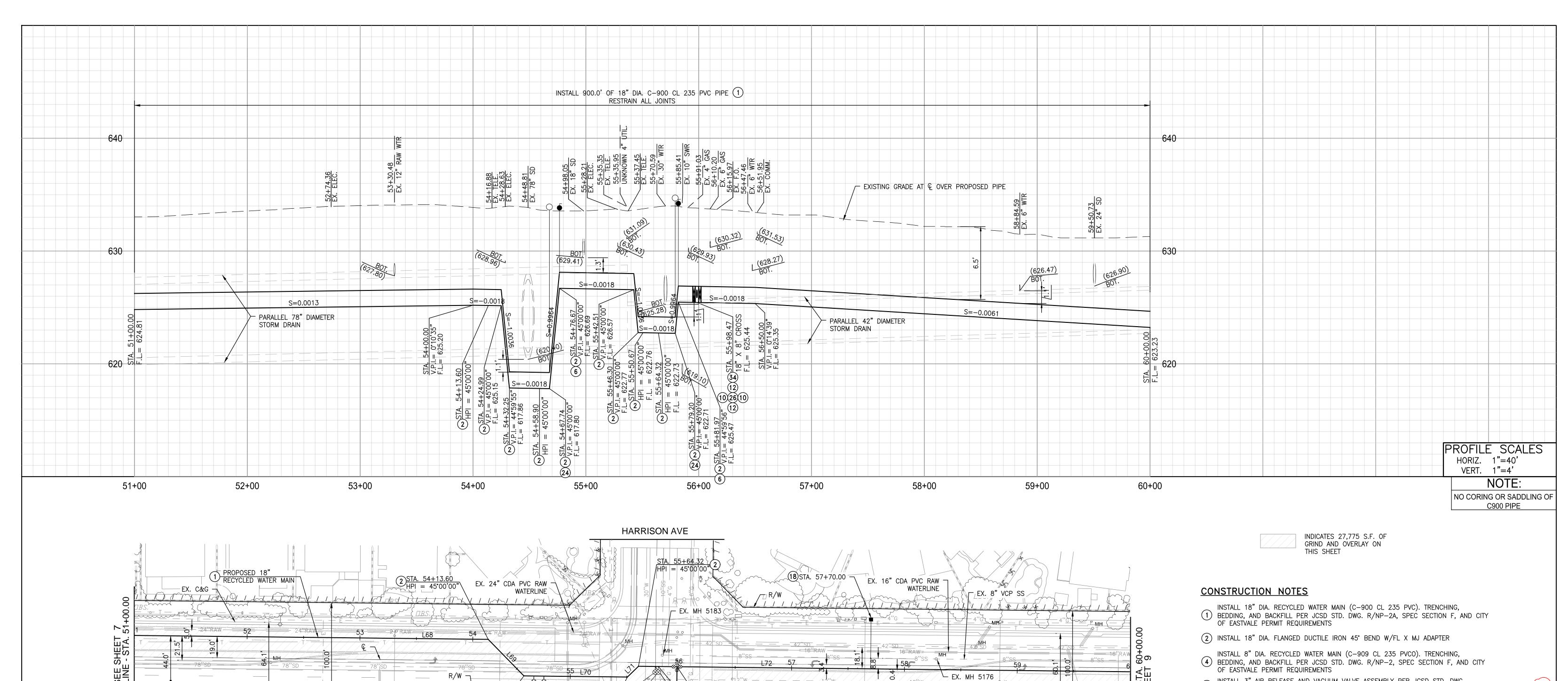
BENCHMARK: SEE SHEET 1 SEGMENT 2

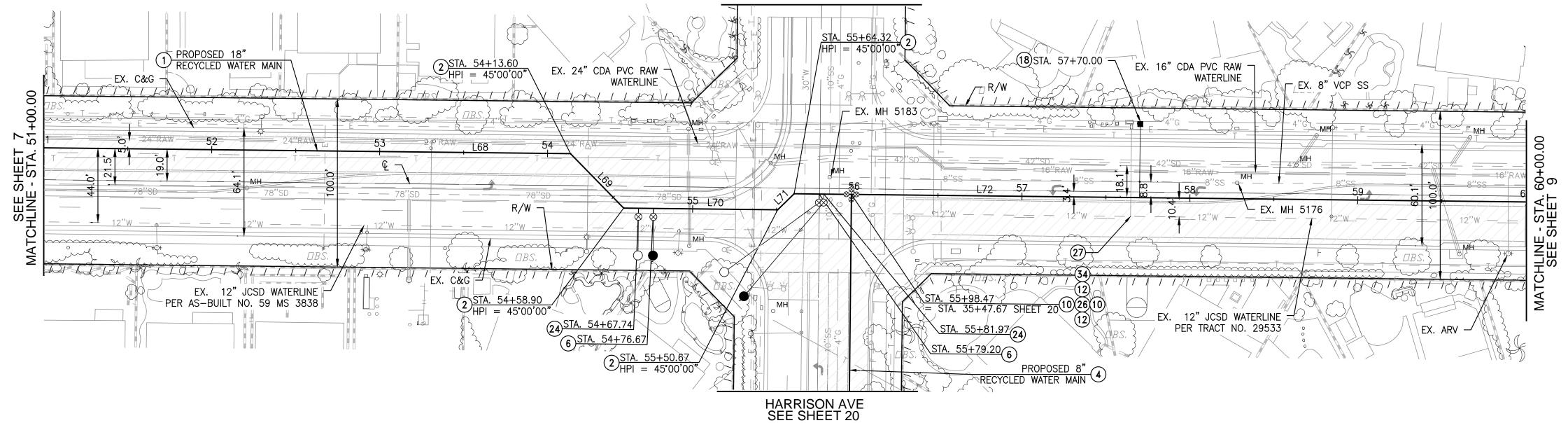
SHEET NO JURUPA COMMUNITY SERVICES DISTRICT CITY OF EASTVALE/JURUPA VALLEY, CALIFORNIA JCSD RECYCLED WATER PROGRAM PROJECT 65TH STREET STA. 42+00.00 TO STA. 51+00.00 OF 26 SHEETS

LINE LENGTH BEARING L68 | 2387.78' | S89°21'41"E

> FILE NO. PW22-10010 22-0187

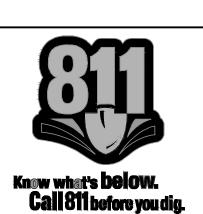






LINE	LENGTH	BEARING
L68	2387.78'	S89°21'41"E
L69	45.30'	S44°21'41"E
L70	91.77'	S89°21'41"E
L71	13.65'	N45°38'21"E
L72	1313.92'	S89°21'41"E

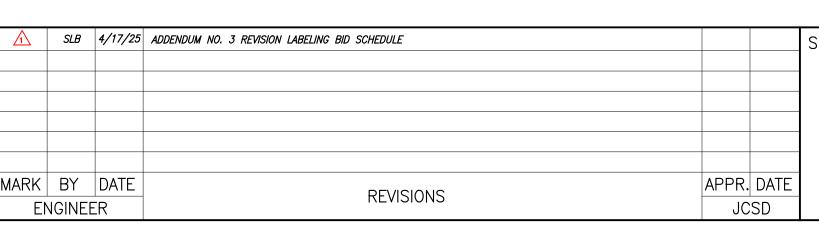
- 6 INSTALL 3" AIR RELEASE AND VACUUM VALVE ASSEMBLY PER JCSD STD. DWG. R/NP-15A
- (10) INSTALL 18" DIA. FL X FL BFV W/FL X MJ ADAPTER PER JCSD STD. DWG. R/NP-7
- (12) INSTALL 8" DIA. FL X FL RSGV W/FL X MJ ADAPTER PER JCSD STD. DWG. R/NP-6
- 18 INSTALL 2" RECYCLED WATER SERVICE LATERAL AND METER BOX PER JCSD STD. DWG. R/NP-10/10A DEPENDING ON PIPE MATERIAL
- (24) INSTALL 6" BLOW-OFF ASSEMBLY PER JCSD STD. DWG. R/NP-18A
- (26) INSTALL 18" X 8" DIA. FLANGED DUCTILE IRON CROSS W/FL X MJ ADAPTER
- (27) ABANDON EXISTING WATER SERVICE LINE PER JCSD STD. DWG. D-9
- (34) INSTALL 8" BLIND FLANGE

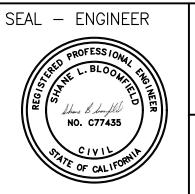


WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED. THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR SSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER JCSD APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE

RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND

REVISING THE PLANS FOR APPROVAL BY JCSD.







SUPERVISION OF:

Shame Blingle

ENGINEERING CONSULTANTS 3788 McCRAY STREET RIVERSIDE CA. 92506 PH. (951) 686-1070 FAX (951) 788-1256

DESIGNED BY: TH CHECKED BY: SB R.C.E. NO.: <u>C77435</u> DATE: 3/20/2025 HORIZONTAL: 1" = 40' VERTICAL: 1" = 4'

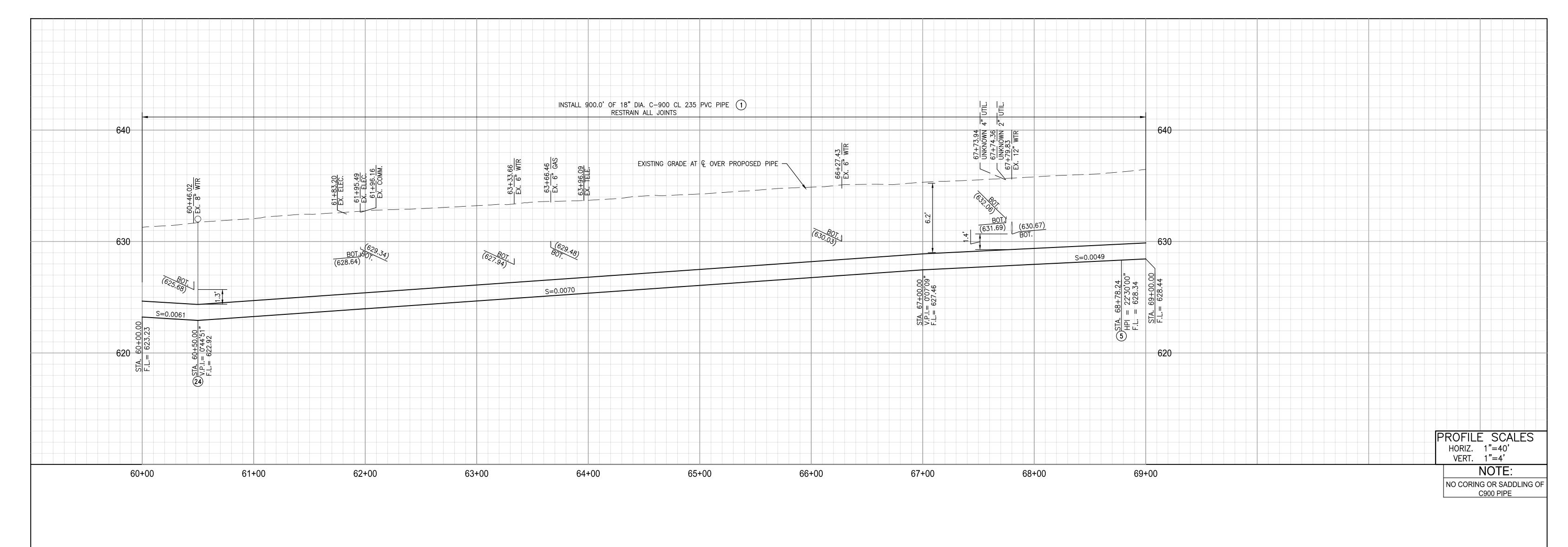
BENCHMARK: SEE SHEET 1	JURUPA COMMUNITY SERVICES DISTRICT
	CITY OF EASTVALE/JURUPA VALLEY, CALIFORNIA
	JCSD RECYCLED WATER PROGRAM PROJECT
	SEGMENT 2
	H ASTU STREET STA SILOO OO TO STA AOLOO OO $oldsymbol{I}$

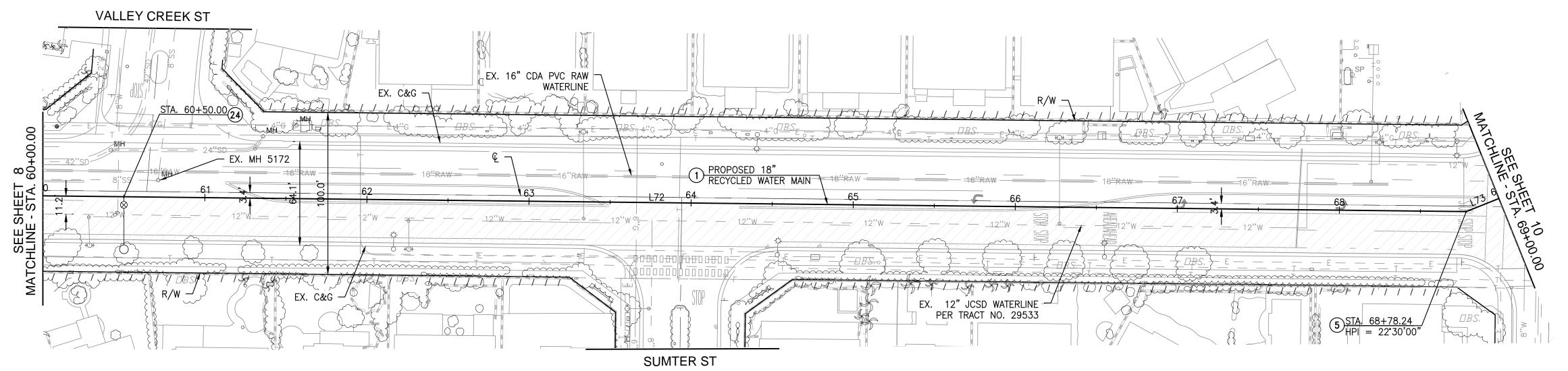
J.C.S.D.

PROJECT OF 26 SHEETS 65TH STREET STA. 51+00.00 TO STA. 60+00.00 FILE NO. PW22-10010

22-0187

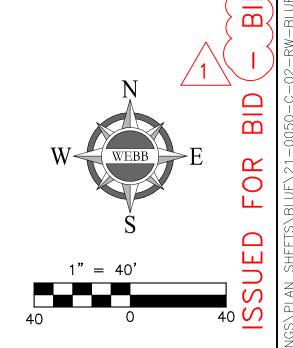
SHEET NO





CONSTRUCTION NOTES

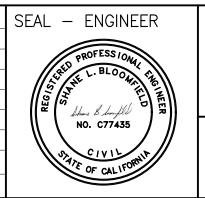
- INSTALL 18" DIA. RECYCLED WATER MAIN (C-900 CL 235 PVC). TRENCHING, BEDDING, AND BACKFILL PER JCSD STD. DWG. R/NP-2A, SPEC SECTION F, AND CITY OF EASTVALE PERMIT REQUIREMENTS
- (5) INSTALL 18" DIA. FLANGED DUCTILE IRON 22.5° BEND W/FL X MJ ADAPTER
- (24) INSTALL 6" BLOW-OFF ASSEMBLY PER JCSD STD. DWG. R/NP-18A



ΩΠ
Know what's below. Call 811 before you dig

NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED. THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER JCSD APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY JCSD.

$\overline{\mathbf{V}}$	SLB	4/17/25	ADDENDUM NO. 3 REVISION LABELING BID SCHEDULE			
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ENGINEER		:R	REVISIONS		SD	l





ENGINEERING CONSULTANTS 3788 McCRAY STREET RIVERSIDE CA. 92506 PH. (951) 686-1070 FAX (951) 788-1256 DESIGNED BY: TH CHECKED BY:

<u>SB</u>	SCALE:	
	HORIZONTAL: $1" = 40'$	VERTICAL: <u>1" = 4</u>
	-	

BENCHMARK: SEE SHEET 1

JURUPA COMMUNITY SERVICES DISTRICT
CITY OF EASTVALE/JURUPA VALLEY, CALIFORN
JCSD RECYCLED WATER PROGRAM PROJECT
SEGMENT 2
65TH STREET STA. 60+00.00 TO STA. 69+00.00

W.O.

22-0187

INDICATES 26,824 S.F. OF GRIND AND OVERLAY ON THIS SHEET

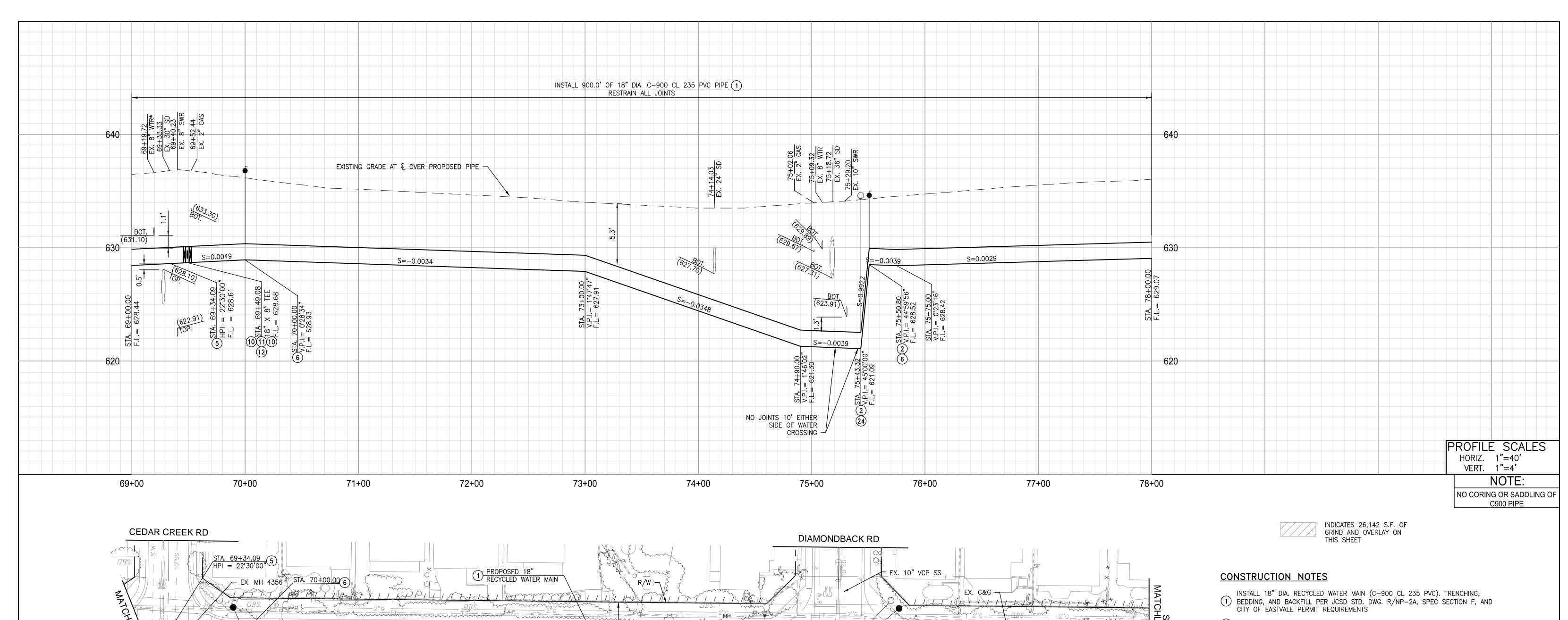
LINE LENGTH BEARING L72 | 1313.92' | S89°21'41"E L73 55.85' N68°08'19"E

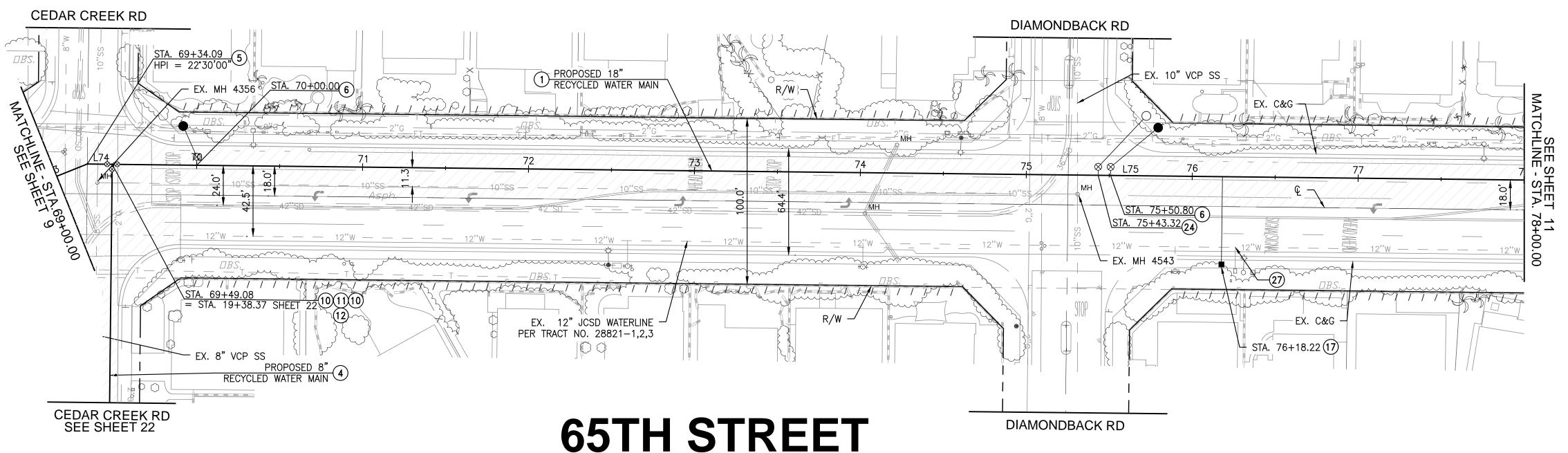
FILE NO. PW22-10010

SHEET NO

SUPERVISION OF: R.C.E. NO.: <u>C77435</u> Shame Bloodle DATE: 3/20/2025

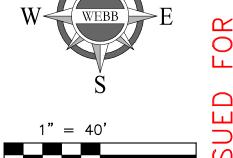
J.C.S.D.





LINE LENGTH BEARING L73 | 55.85' | N68°08'19"E L74 | 15.00' | S89°21'41"E L75 1273.37' | S89°21'41"E

- (2) INSTALL 18" DIA. FLANGED DUCTILE IRON 45° BEND W/FL X MJ ADAPTER
- INSTALL 8" DIA. RECYCLED WATER MAIN (C-909 CL 235 PVCO). TRENCHING, 4 BEDDING, AND BACKFILL PER JCSD STD. DWG. R/NP-2, SPEC SECTION F, AND CITY OF EASTVALE PERMIT REQUIREMENTS
- (5) INSTALL 18" DIA. FLANGED DUCTILE IRON 22.5° BEND W/FL X MJ ADAPTER
- 6 INSTALL 3" AIR RELEASE AND VACUUM VALVE ASSEMBLY PER JCSD STD. DWG. R/NP-15A
- 10 INSTALL 18" DIA. FL X FL BFV W/FL X MJ ADAPTER PER JCSD STD. DWG. R/NP-7
- (11) INSTALL 18" X 8" DIA. FLANGED DUCTILE IRON TEE W/FL X MJ ADAPTER
- (12) INSTALL 8" DIA. FL X FL RSGV W/FL X MJ ADAPTER PER JCSD STD. DWG. R/NP-6
- 17 INSTALL 1.5" RECYCLED WATER SERVICE LATERAL AND METER BOX PER JCSD STD. DWG. R/NP-9/9A DEPENDING ON PIPE MATERIAL
- (24) INSTALL 6" BLOW-OFF ASSEMBLY PER JCSD STD. DWG. R/NP-18A
- (27) ABANDON EXISTING WATER SERVICE LINE PER JCSD STD. DWG. D-9

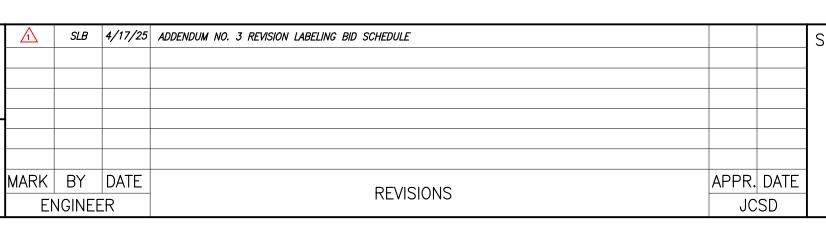


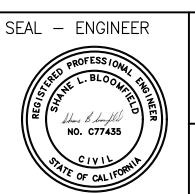
Know what's **below. Call 811** before you dig.

WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED. THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR SSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER JCSD APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE

RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND

REVISING THE PLANS FOR APPROVAL BY JCSD.







SUPERVISION OF:

Shame Blingle

FAX (951) 788-1256 DESIGNED BY: TH CHECKED BY: SB R.C.E. NO.: <u>C77435</u> DATE: 3/20/2025

ENGINEERING CONSULTANTS

3788 McCRAY STREET

RIVERSIDE CA. 92506

PH. (951) 686-1070

SCALE:

HORIZONTAL: 1" = 40' VERTICAL: 1" = 4'

BENCHMARK: SEE SHEET 1

JURUPA COMMUNITY SERVICES DISTRICT
CITY OF EASTVALE/JURUPA VALLEY, CALIFOR
JCSD RECYCLED WATER PROGRAM PROJECT
SEGMENT 2
65TH STREET STA. 69+00.00 TO STA. 78+00.0

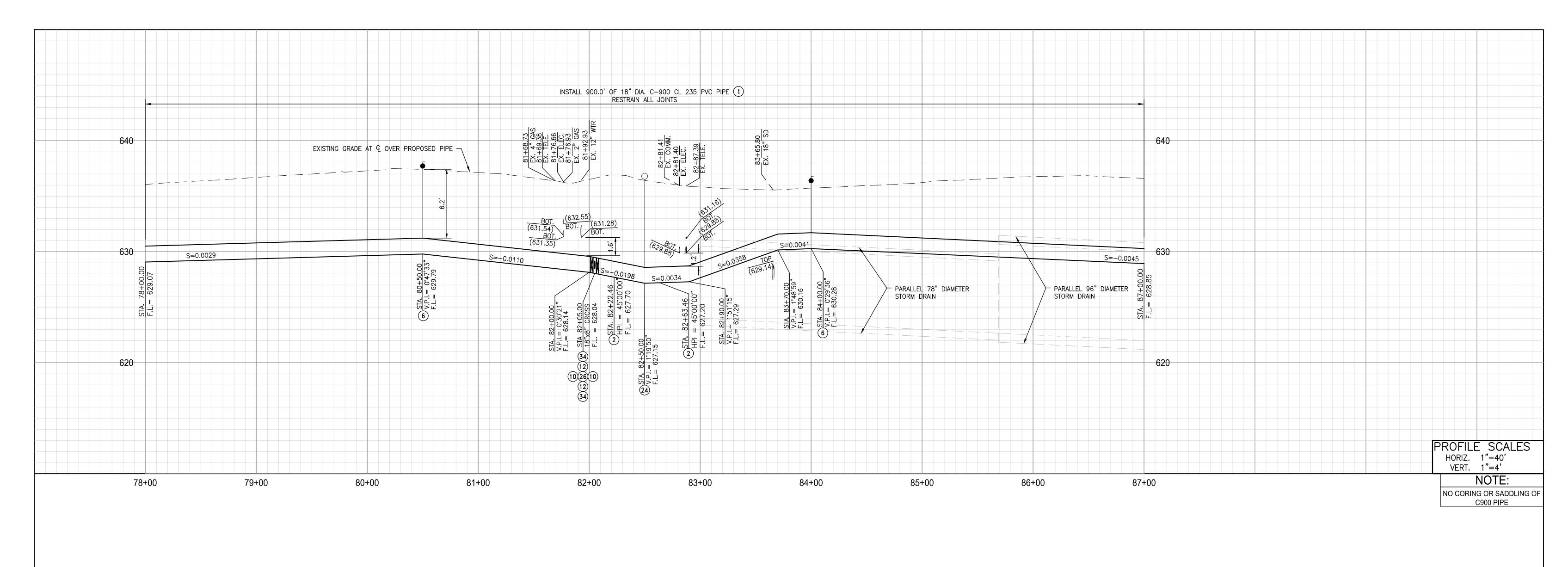
W.O.

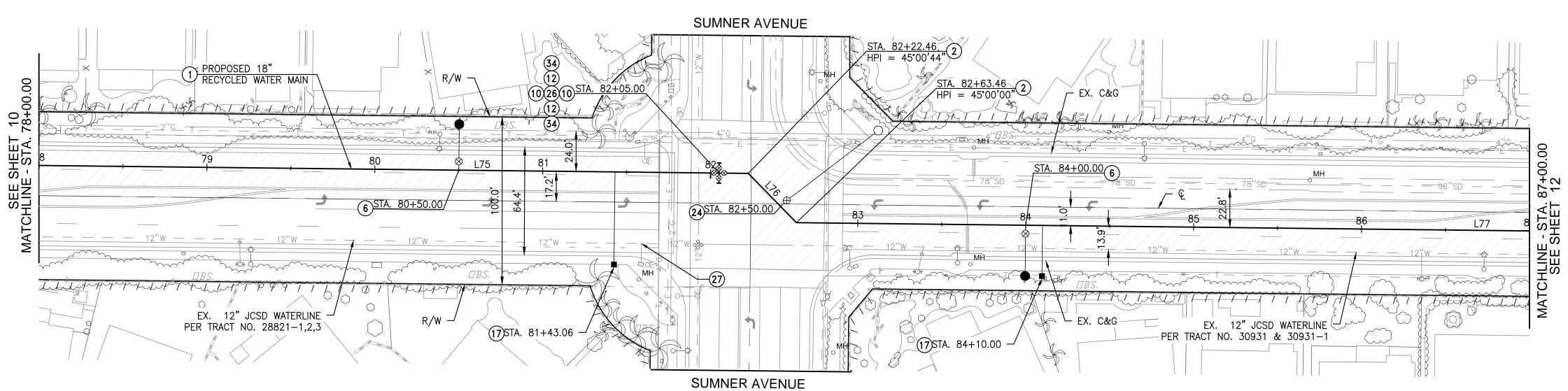
22-0187

DRNIA 0.00 OF 26 SHEETS

SHEET NO

FILE NO. PW22-10010





INDICATES 28,675 S.F. OF GRIND AND OVERLAY ON THIS SHEET

LINE	LENGTH	BEARING
L75	1273.37'	S89°21'41"E
L76	41.00'	S44°20'57"E
L77	1212.06'	S89°20'57"E

65TH STREET

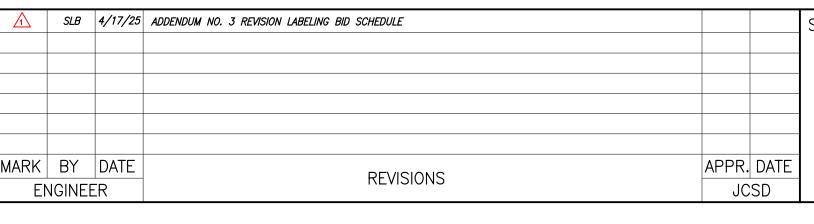
CONSTRUCTION NOTES

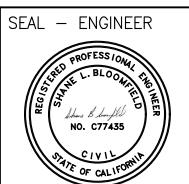
- INSTALL 18" DIA. RECYCLED WATER MAIN (C-900 CL 235 PVC). TRENCHING, BEDDING, AND BACKFILL PER JCSD STD. DWG. R/NP-2A, SPEC SECTION F, AND CITY OF EASTVALE PERMIT REQUIREMENTS
- 2 INSTALL 18" DIA. FLANGED DUCTILE IRON 45° BEND W/FL X MJ ADAPTER
- 6 INSTALL 3" AIR RELEASE AND VACUUM VALVE ASSEMBLY PER JCSD STD. DWG. R/NP-15A
- (10) INSTALL 18" DIA. FL X FL BFV W/FL X MJ ADAPTER PER JCSD STD. DWG. R/NP-7
- (12) INSTALL 8" DIA. FL X FL RSGV W/FL X MJ ADAPTER PER JCSD STD. DWG. R/NP-6 (34) INSTALL 8" BLIND FLANGE
- 17 INSTALL 1.5" RECYCLED WATER SERVICE LATERAL AND METER BOX PER JCSD STD. DWG. R/NP-9/9A DEPENDING ON PIPE MATERIAL
- (24) INSTALL 6" BLOW-OFF ASSEMBLY PER JCSD STD. DWG. R/NP-18A
- (26) INSTALL 18" X 8" DIA. FLANGED DUCTILE IRON CROSS W/FL X MJ ADAPTER
- 27) ABANDON EXISTING WATER SERVICE LINE PER JCSD STD. DWG. D-9



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REVISING THE PLANS FOR APPROVAL BY JCSD.







SUPERVISION OF:

Shame Blenfle

3788 McCRAY STREET RIVERSIDE CA. 92506 PH. (951) 686-1070 FAX (951) 788-1256

ENGINEERING CONSULTANTS

DESIGNED BY: TH CHECKED BY: SB R.C.E. NO.: <u>C77435</u> DATE: 3/20/2025

ENCHMARK:	SEE	SHEET	1		

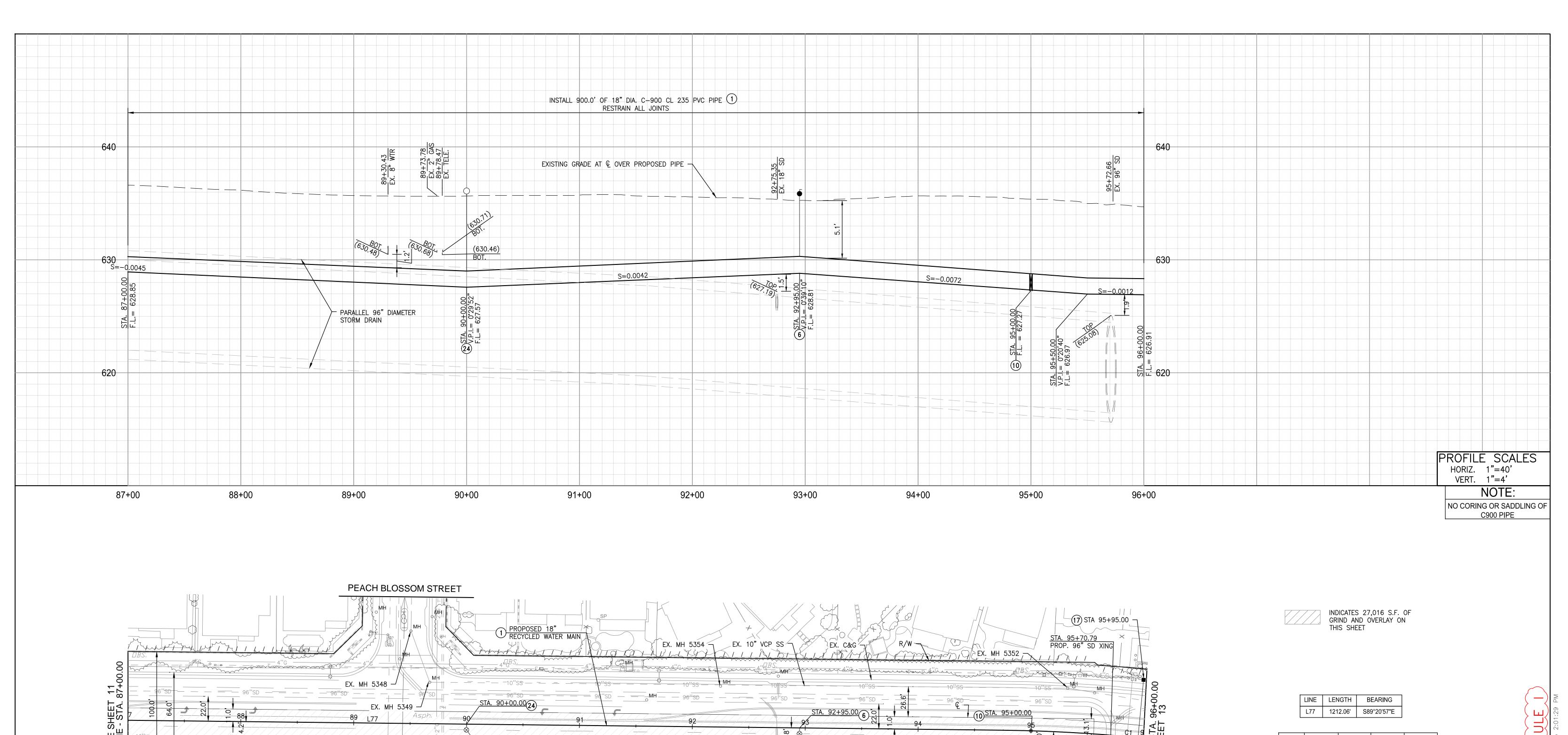
JURUPA COMMUNITY SERVICES DISTRICT CITY OF EASTVALE/JURUPA VALLEY, CALIFORNIA

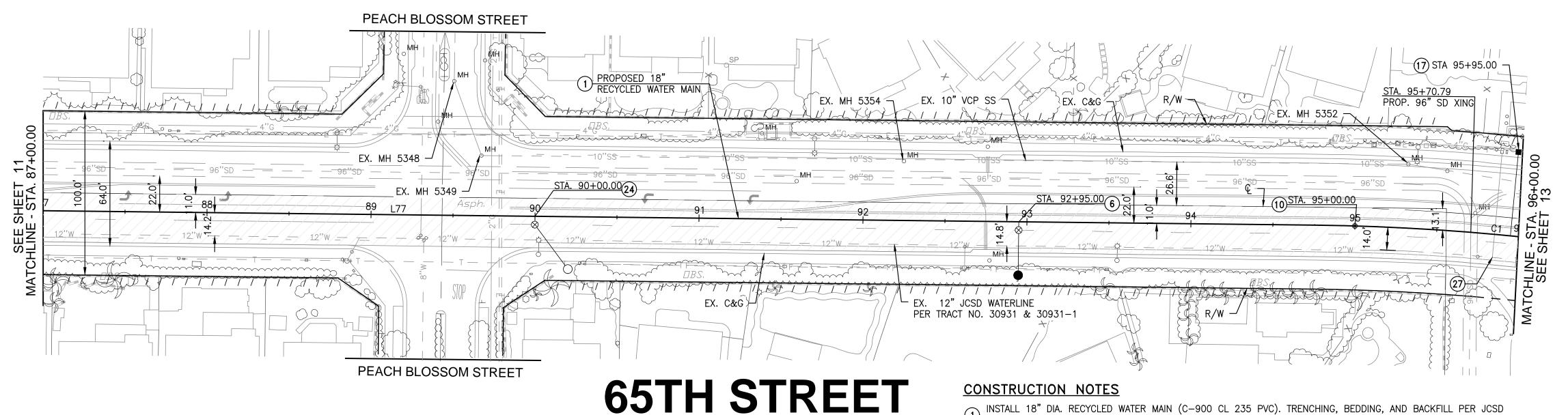
JCSD RECYCLED WATER PROGRAM PROJECT SEGMENT 2

OF 26 SHEETS W.O.

SHEET NO

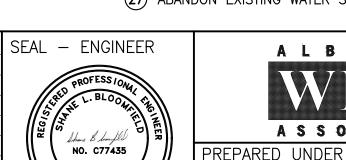
65TH STREET STA. 78+00.00 TO STA. 87+00.00 HORIZONTAL: 1" = 40' VERTICAL: 1" = 4'FILE NO. PW22-10010 J.C.S.D. 22-0187





CURVE | RADIUS | DELTA | LENGTH | TANGENT C1 | 1388.99' | 13°49'53" | 335.30' | 168.47'

- 1 INSTALL 18" DIA. RECYCLED WATER MAIN (C-900 CL 235 PVC). TRENCHING, BEDDING, AND BACKFILL PER JCSD STD. DWG. R/NP-2A, SPEC SECTION F, AND CITY OF EASTVALE PERMIT REQUIREMENTS
- (6) INSTALL 3" AIR RELEASE AND VACUUM VALVE ASSEMBLY PER JCSD STD. DWG. R/NP-15A
- (10) INSTALL 18" DIA. FL X FL BFV W/FL X MJ ADAPTER PER JCSD STD. DWG. R/NP-7
- 17 INSTALL 1.5" RECYCLED WATER SERVICE LATERAL AND METER BOX PER JCSD STD. DWG. R/NP-9/9A DEPENDING ON PIPE MATERIAL
- (24) INSTALL 6" BLOW-OFF ASSEMBLY PER JCSD STD. DWG. R/NP-18A
- 27 ABANDON EXISTING WATER SERVICE LINE PER JCSD STD. DWG. D-9





ENGINEERING CONSULTANTS 3788 McCRAY STREET RIVERSIDE CA. 92506 PH. (951) 686-1070 FAX (951) 788-1256

R.C.E. NO.: <u>C77435</u>

BENCHMARK: SEE SHEET 1

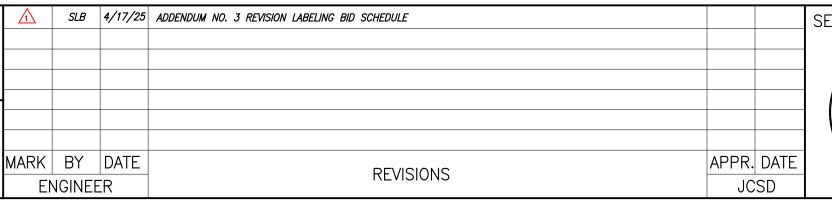
JURUPA COMMUNITY SERVICES DISTRICT CITY OF EASTVALE/JURUPA VALLEY, CALIFORNIA JCSD RECYCLED WATER PROGRAM PROJECT SEGMENT 2

OF 26 SHEETS

SHEET NO

Know what's **below. Call 811** before you dig.

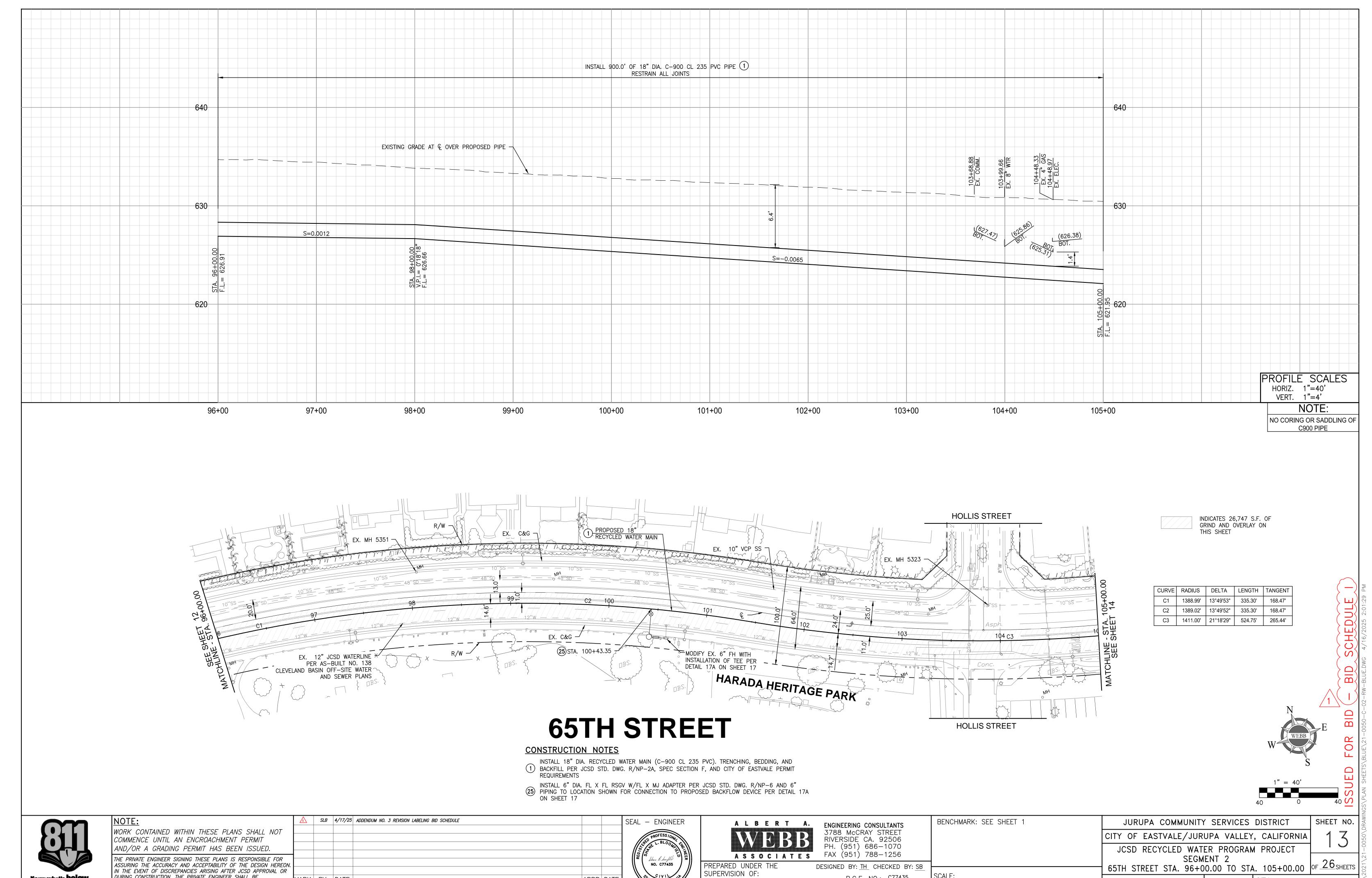
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DESIGNED BY: TH CHECKED BY: SB PREPARED UNDER THE SUPERVISION OF: Shome Blonfle DATE: 3/20/2025

HORIZONTAL: 1" = 40' VERTICAL: 1" = 4'J.C.S.D.

65TH STREET STA. 87+00.00 TO STA. 96+00.00 W.O. FILE NO. PW22-10010 22-0187



NO. C77435

APPR. DATE

JCSD

REVISIONS

PREPARED UNDER THE

SUPERVISION OF:

Shame Blenfle

DESIGNED BY: TH CHECKED BY: SB

R.C.E. NO.: <u>C77435</u>

HORIZONTAL: 1" = 40' VERTICAL: 1" = 4'

J.C.S.D.

DATE: 3/20/2025

SSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON.

MARK BY DATE

ENGINEER

IN THE EVENT OF DISCREPANCIES ARISING AFTER JCSD APPROVAL OR

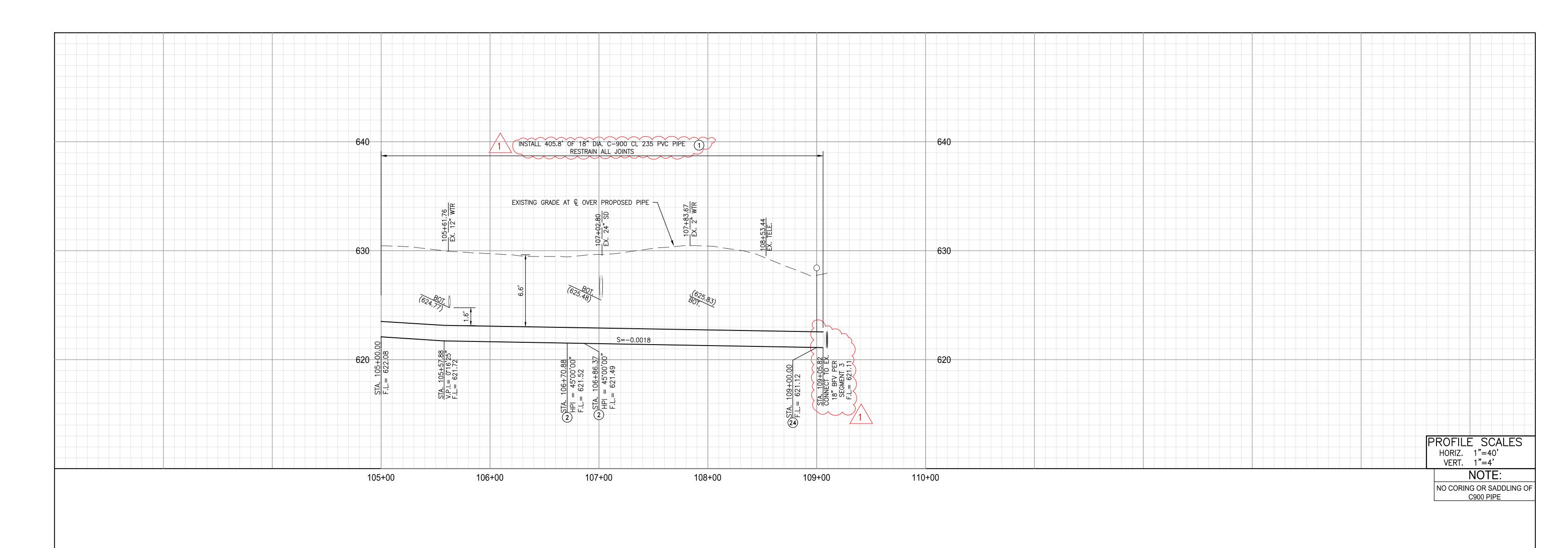
DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE

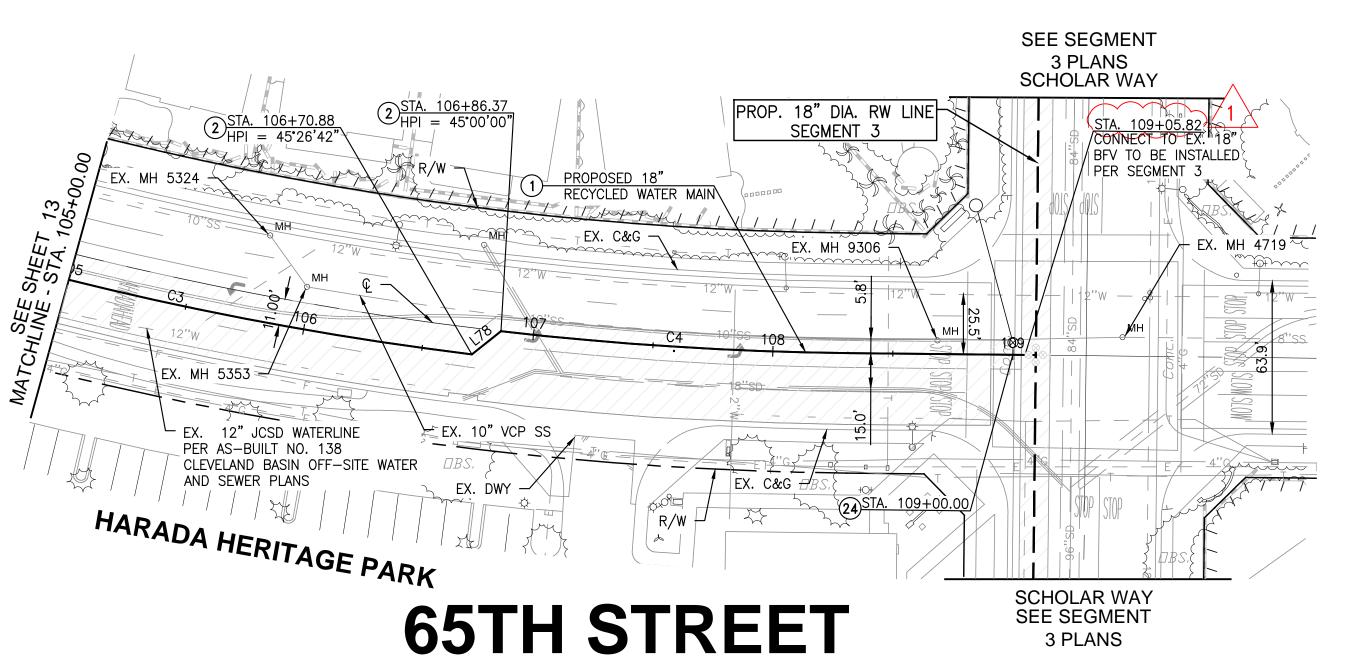
REVISING THE PLANS FOR APPROVAL BY JCSD.

RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND

Know what's **below. Call 811** before you dig.

FILE NO. PW22-10010







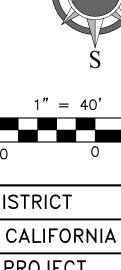
INDICATES 12,930 S.F. OF GRIND AND OVERLAY ON THIS SHEET

LINE	LENGTH	BEARING
L78	15.50'	N51°33'36"E

CURVE	RADIUS	DELTA	LENGTH	TANGENT
C3	1411.00'	21°18'29"	524.75'	265.44'
C4	1400.00'	5°55'46"	144.88'	72.51'

CONSTRUCTION NOTES

- INSTALL 18" DIA. RECYCLED WATER MAIN (C-900 CL 235 PVC). TRENCHING, BEDDING, AND BACKFILL PER JCSD STD. DWG. R/NP-2A, SPEC SECTION F, AND CITY OF EASTVALE PERMIT REQUIREMENTS
- 2 INSTALL 18" DIA. FLANGED DUCTILE IRON 45° BEND W/FL X MJ ADAPTER
- (24) INSTALL 6" BLOW-OFF ASSEMBLY PER JCSD STD. DWG. R/NP-18A



FILE NO. PW22-10010

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REVISING THE PLANS FOR APPROVAL BY JCSD.

	\triangle	SLB	4/17/25	ADDENDUM NO. 3 REVISION LABELING BID SCHEDULE & STATIONING PER SEGMENT 3 VALVE INSTALLATION			SE
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SUPERVISION OF:

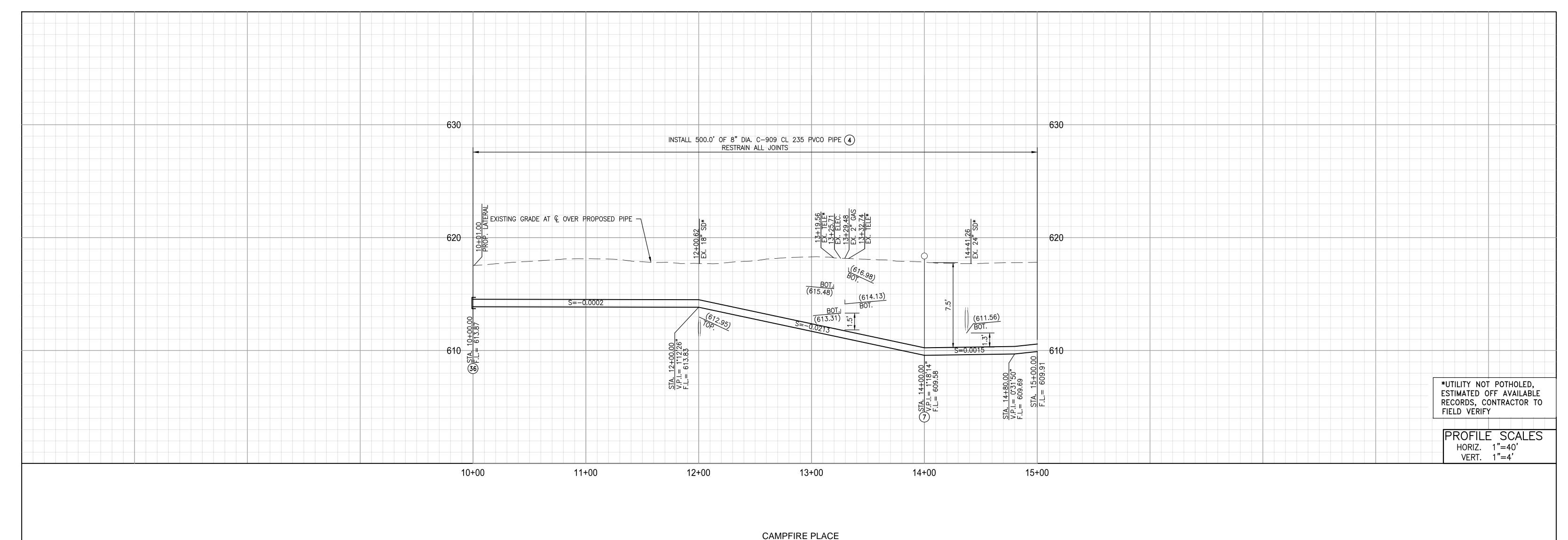
Shame Blimfle

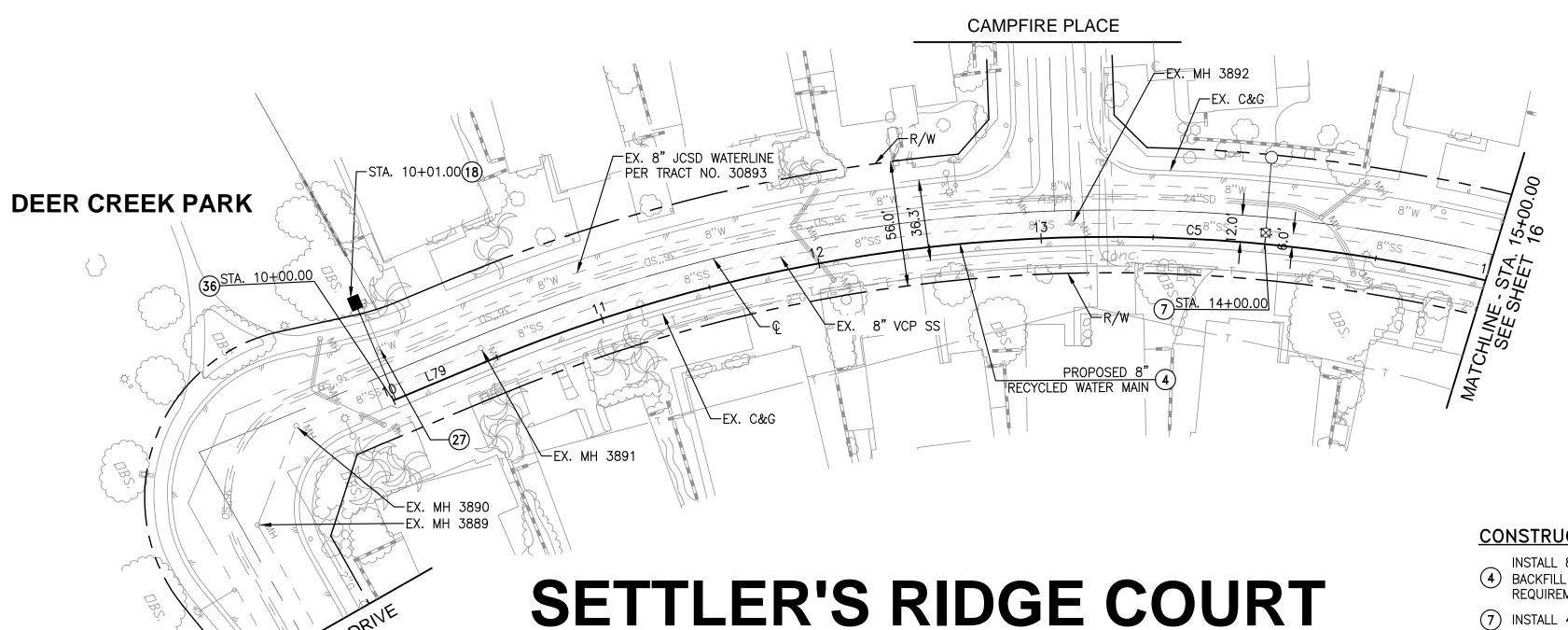
ENGINEERING CONSULTANTS
3788 McCRAY STREET
RIVERSIDE CA. 92506 PH. (951) 686-1070 FAX (951) 788-1256

DESIGNED BY: TH CHECKED BY: SB R.C.E. NO.: <u>C77435</u> DATE: 3/20/2025

BENCHMARK: SEE SHEET 1	JURUPA COMMUNITY	' SERVICES	DIS
	CITY OF EASTVALE/JUR	UPA VALLEY	, C
	JCSD RECYCLED WATE	ER PROGRAM ENT 2	1 PF
	65TH STREET STA. 105+(00.00 TO ST	A. 1
SCALE: HORIZONTAL: $1" = 40'$ VERTICAL: $1" = 4'$	FOR: J.C.S.D.	W.O. 22-0187	CITY FILE

SHEET NO. 109+05.82 OF 26 SHEETS





INDICATES 7,989 S.F. OF GRIND AND OVERLAY ON THIS SHEET

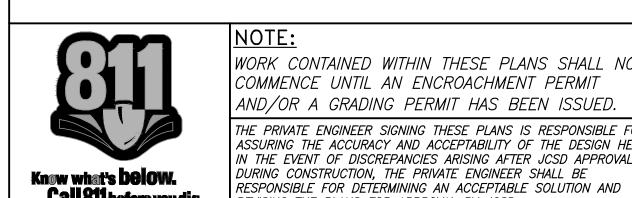
L79 44.06' N07°22'31"E

CURVE RADIUS DELTA LENGTH TANGENT C5 727.99' 53°39'32" 681.78' 368.21'

CONSTRUCTION NOTES

- INSTALL 8" DIA. RECYCLED WATER MAIN (C-909 CL 235 PVCO). TRENCHING, BEDDING, AND BACKFILL PER JCSD STD. DWG. R/NP-2A, SPEC SECTION F, AND CITY OF EASTVALE PERMIT REQUIREMENTS
- 7) INSTALL 4" BLOW-OFF ASSEMBLY PER JCSD STD. DWG. R/NP-17
- 18 INSTALL 2" RECYCLED WATER SERVICE LATERAL AND METER BOX PER JCSD STD. DWG. R/NP-10/10A DEPENDING ON PIPE MATERIAL
- 27) ABANDON EXISTING WATER SERVICE LINE PER JCSD STD. DWG. D-9
- 36 INSTALL END CAP AND THRUST BLOCK PER JCSD STD. DWG. C-1 OR C-2

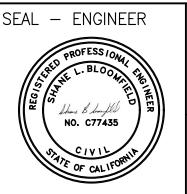
HORIZONTAL: 1" = 40' VERTICAL: 1" = 4'



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REVISING THE PLANS FOR APPROVAL BY JCSD.

Λ	SLB	4/17/25	ADDENDUM NO. 3 REVISION LABELING BID SCHEDULE			SE
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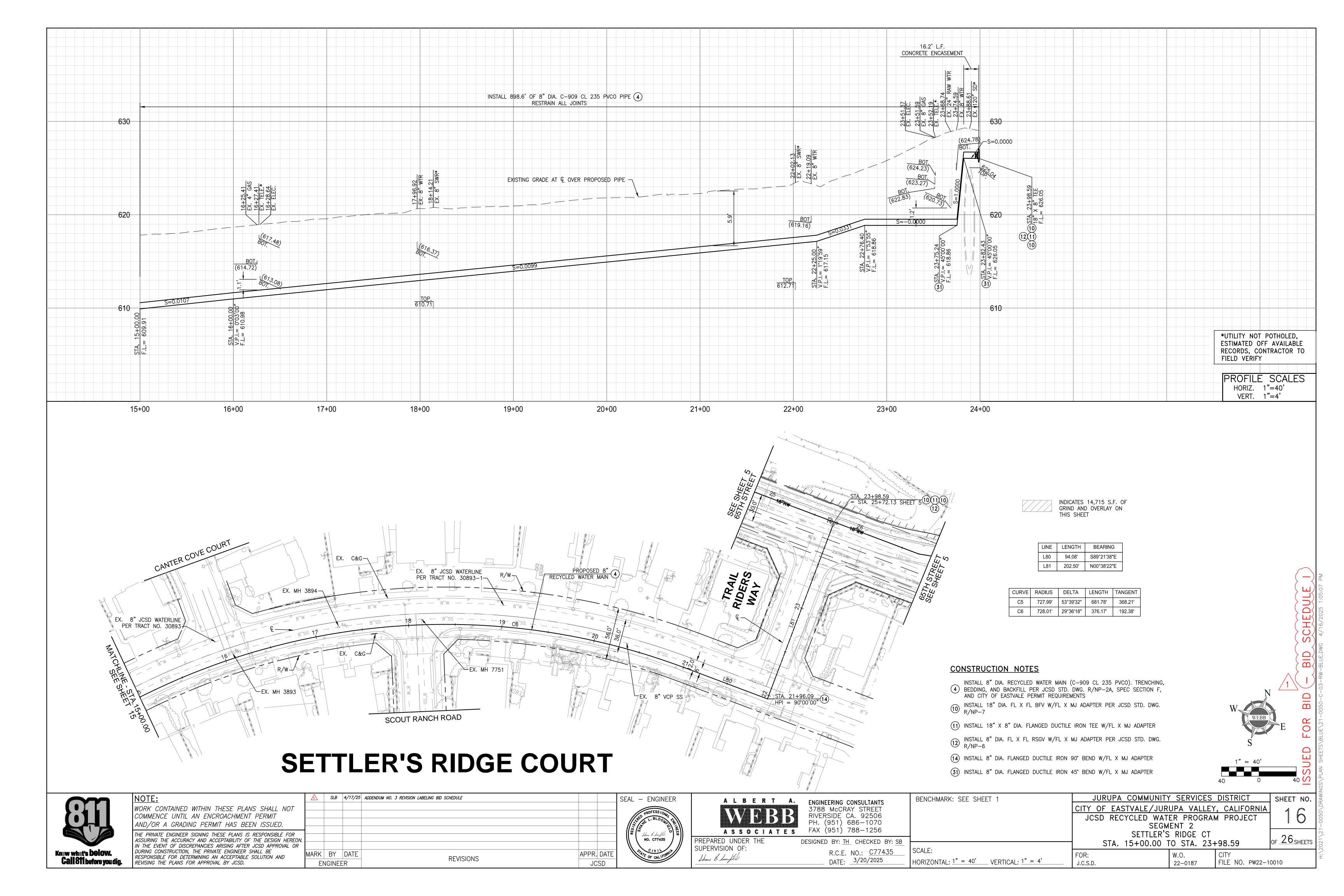
ENGINEERING CONSULTANTS 3788 McCRAY STREET RIVERSIDE CA. 92506 PH. (951) 686-1070 FAX (951) 788-1256 DESIGNED BY: TH CHECKED BY: SB

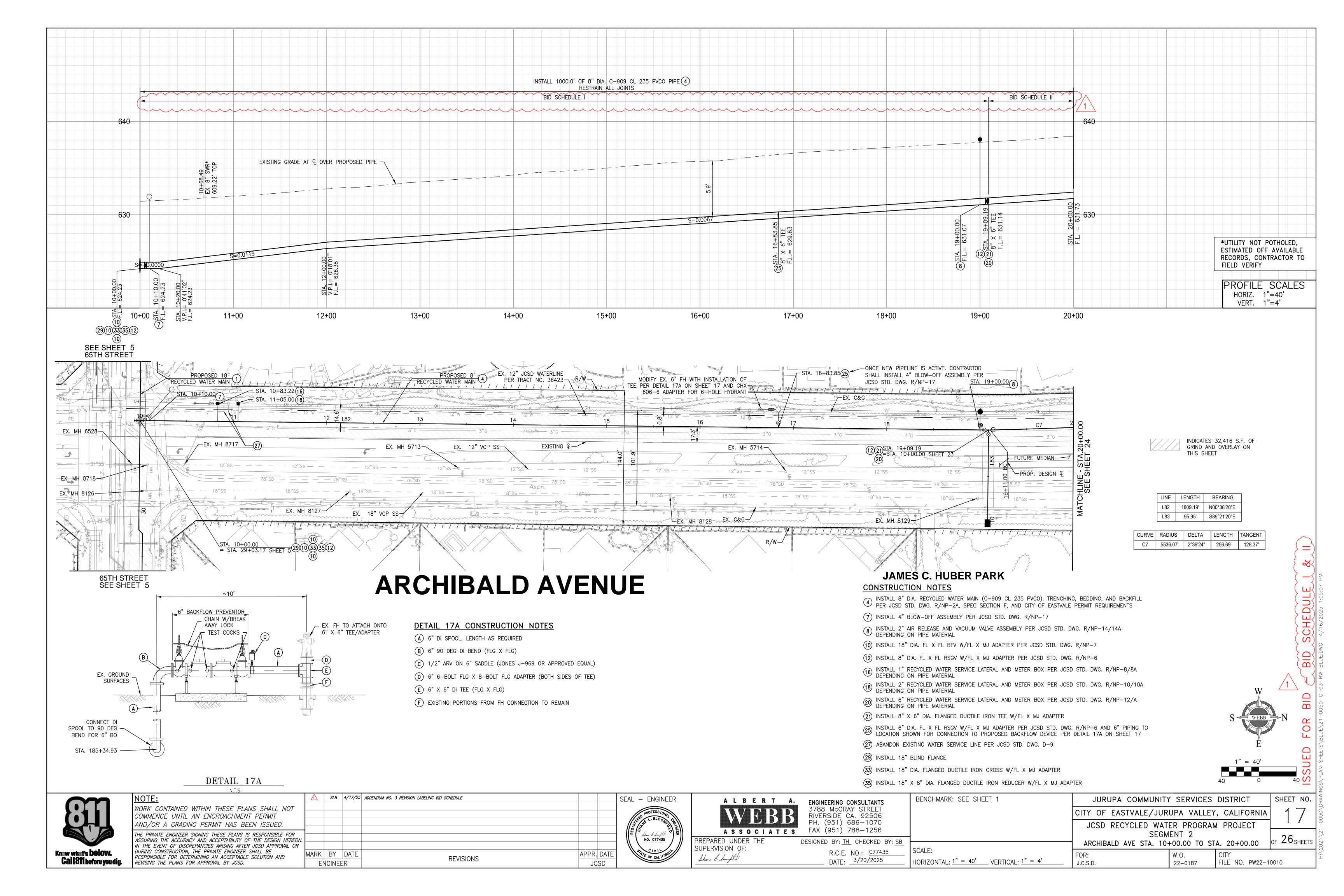
R.C.E. NO.: <u>C77435</u> DATE: <u>3/20/2025</u>

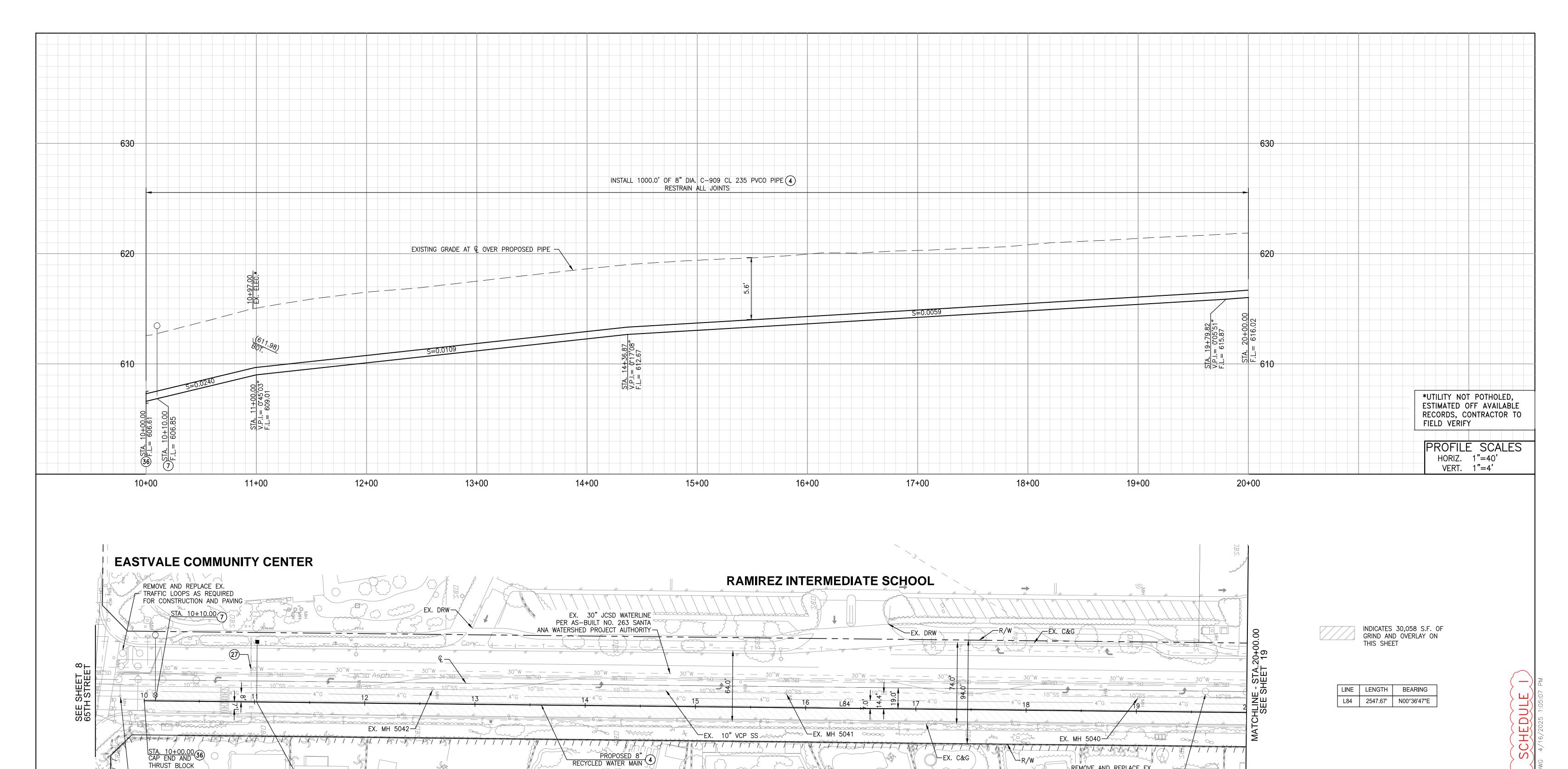
CHMARK: SEE SHEET 1	JURUPA COMMUNITY	SERVICES	DISTRICT
	CITY OF EASTVALE/JUR	UPA VALLEY	, CALIFOR
	JCSD RECYCLED WAT		/ PROJECT
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	SETTLER'S RIDGE CT STA. 1	10+00.00 10	STA. 15+00.
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FILE NO. PW22-10010 22-0187







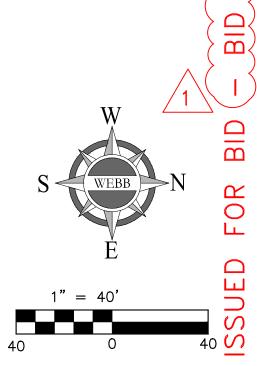
HARRISON AVENUE

CONSTRUCTION NOTES

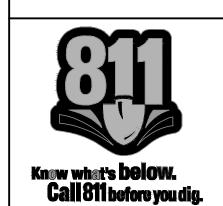
- INSTALL 8" DIA. RECYCLED WATER MAIN (C-909 CL 235 PVCO). TRENCHING, BEDDING, AND BACKFILL PER JCSD STD. DWG. R/NP-2A, SPEC SECTION F, AND CITY OF EASTVALE PERMIT REQUIREMENTS
- (7) INSTALL 4" BLOW-OFF ASSEMBLY PER JCSD STD. DWG. R/NP-17
- 17 INSTALL 1.5" RECYCLED WATER SERVICE LATERAL AND METER BOX PER JCSD STD. DWG. R/NP-9/9A DEPENDING ON PIPE MATERIAL
- (27) ABANDON EXISTING WATER SERVICE LINE PER JCSD STD. DWG. D-9
- (36) INSTALL END CAP AND THRUST BLOCK PER JCSD STD. DWG. C-1 OR C-2

ENGINEERING CONSULTANTS

3788 McCRAY STREET



FILE NO. PW22-10010

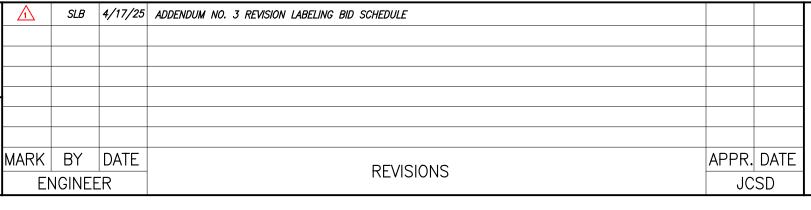


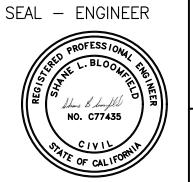
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REVISING THE PLANS FOR APPROVAL BY JCSD.







SUPERVISION OF:

Shame B brought

RIVERSIDE CA. 92506
PH. (951) 686-1070
FAX (951) 788-1256

DESIGNED BY: TH CHECKED BY: SB

(951) 788–1256

D BY: TH CHECKED BY: SB

R.C.E. NO.: C77435
DATE: 3/20/2025

HORIZONTAL: 1" = 40' VERTICAL: 1" = 4'

REMOVE AND REPLACE EX.
TRAFFIC LOOPS AS REQUIRED FOR CONSTRUCTION AND PAVING

BENCHMARK: SEE SHEET 1

JURUPA COMMUNITY SERVICES DISTRICT

CITY OF EASTVALE/JURUPA VALLEY, CALIFORNIA

JCSD RECYCLED WATER PROGRAM PROJECT

SEGMENT 2

HARRISON AVE

STA. 10+00.00 TO STA. 20+00.00

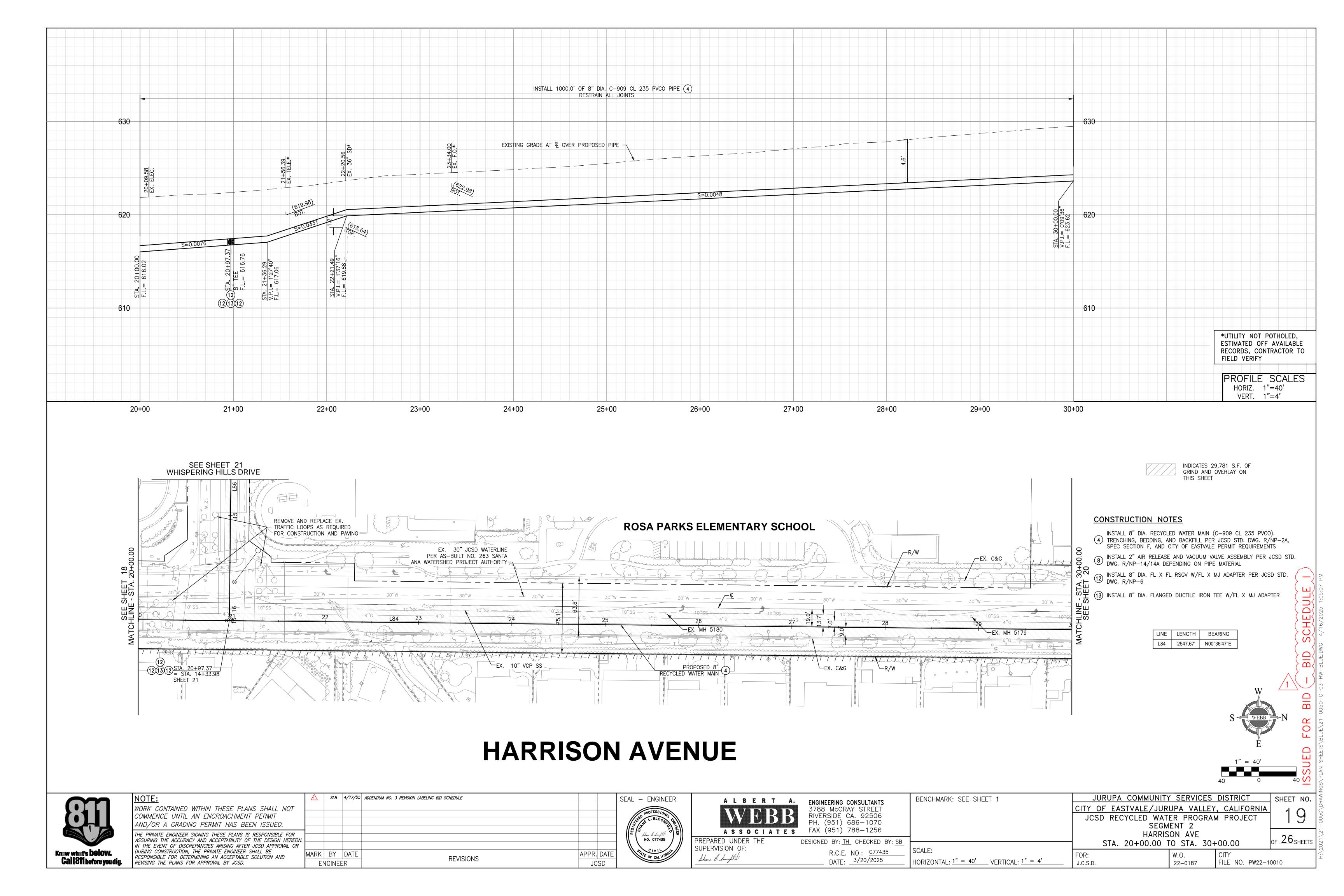
FOR:

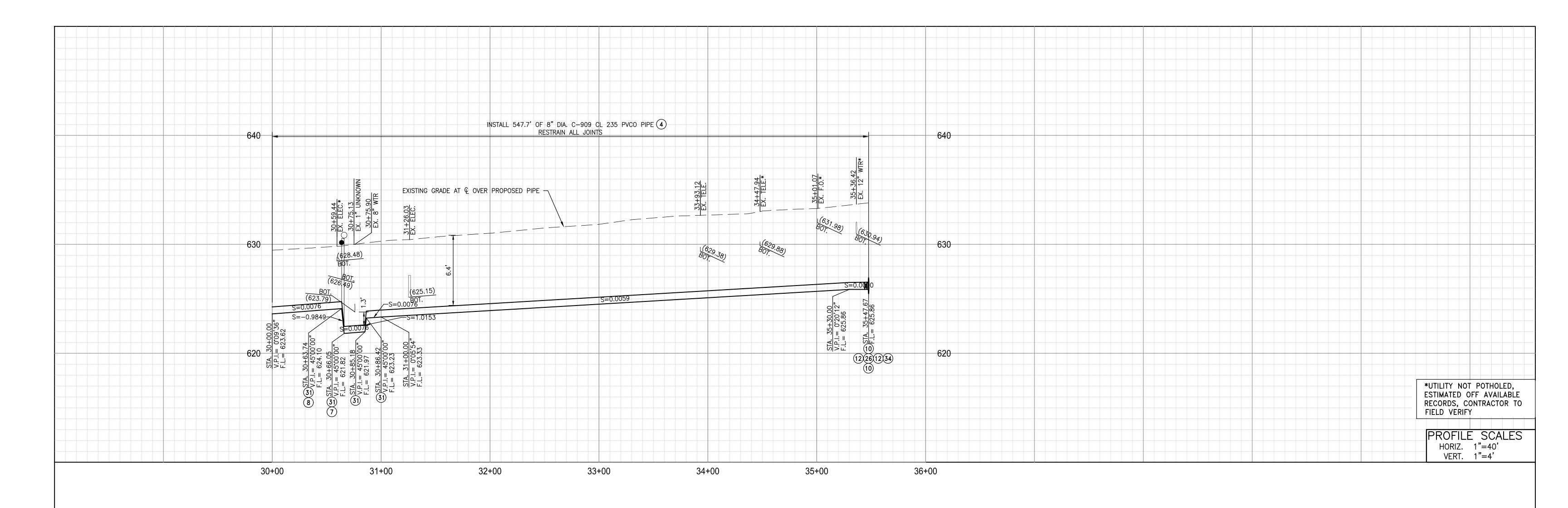
SHEET NO.

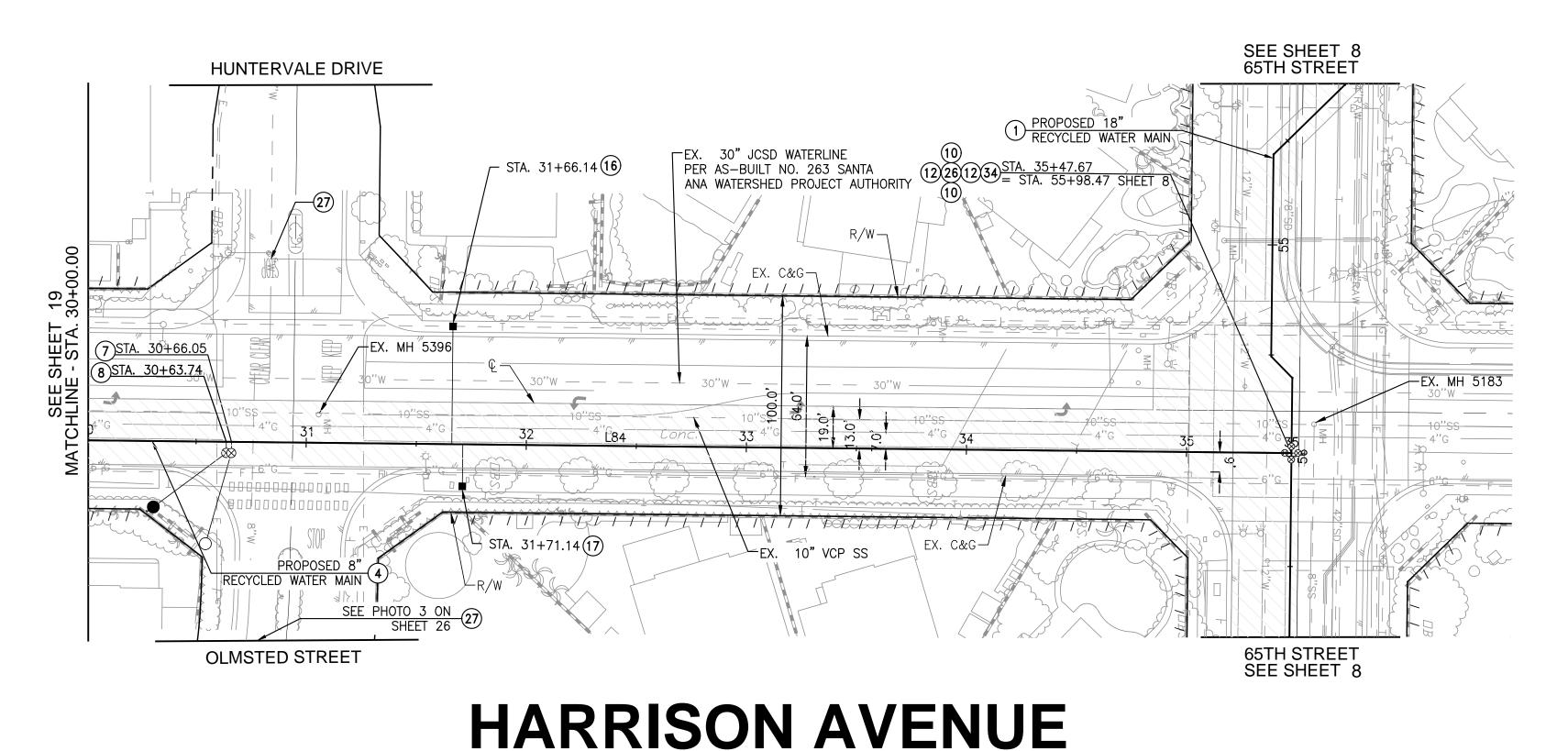
26
SHEETS

22-0187

J.C.S.D.





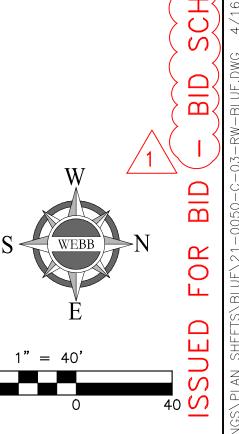


INDICATES 17,220 S.F. OF GRIND AND OVERLAY ON THIS SHEET

LINE	LENGTH	BEARING
L84	2547.67'	N00°36'47"E

CONSTRUCTION NOTES

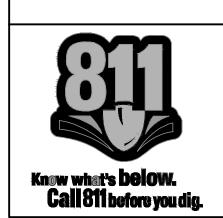
- INSTALL 8" DIA. RECYCLED WATER MAIN (C-909 CL 235 PVCO). TRENCHING, BEDDING, AND BACKFILL PER JCSD STD. DWG. R/NP-2A, SPEC SECTION F, AND CITY OF EASTVALE PERMIT REQUIREMENTS
- 7 INSTALL 4" BLOW-OFF ASSEMBLY PER JCSD STD. DWG. R/NP-17
- 8 INSTALL 2" AIR RELEASE AND VACUUM VALVE ASSEMBLY PER JCSD STD. DWG. R/NP-14/14A DEPENDING ON PIPE MATERIAL
- 10 INSTALL 18" DIA. FL X FL BFV W/FL X MJ ADAPTER PER JCSD STD. DWG. R/NP-7
- (12) INSTALL 8" DIA. FL X FL RSGV W/FL X MJ ADAPTER PER JCSD STD. DWG. R/NP-6
- (16) INSTALL 1" RECYCLED WATER SERVICE LATERAL AND METER BOX PER JCSD STD. DWG. R/NP-8/8A DEPENDING ON PIPE MATERIAL
- 17) INSTALL 1.5" RECYCLED WATER SERVICE LATERAL AND METER BOX PER JCSD STD. DWG. R/NP-9/9A DEPENDING ON PIPE MATERIAL
- (26) INSTALL 18" X 8" DIA. FLANGED DUCTILE IRON CROSS W/FL X MJ ADAPTER
- 27) ABANDON EXISTING WATER SERVICE LINE PER JCSD STD. DWG. D-9
- (31) INSTALL 8" DIA. FLANGED DUCTILE IRON 45° BEND W/FL X MJ ADAPTER
- (34) INSTALL 8" BLIND FLANGE



SHEET NO

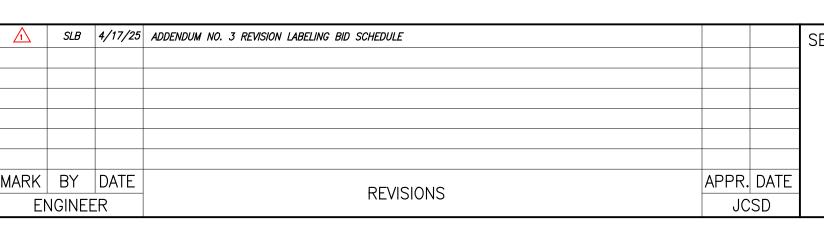
OF 26 SHEETS

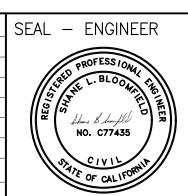
FILE NO. PW22-10010



WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED. THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR SSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER JCSD APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND

REVISING THE PLANS FOR APPROVAL BY JCSD.







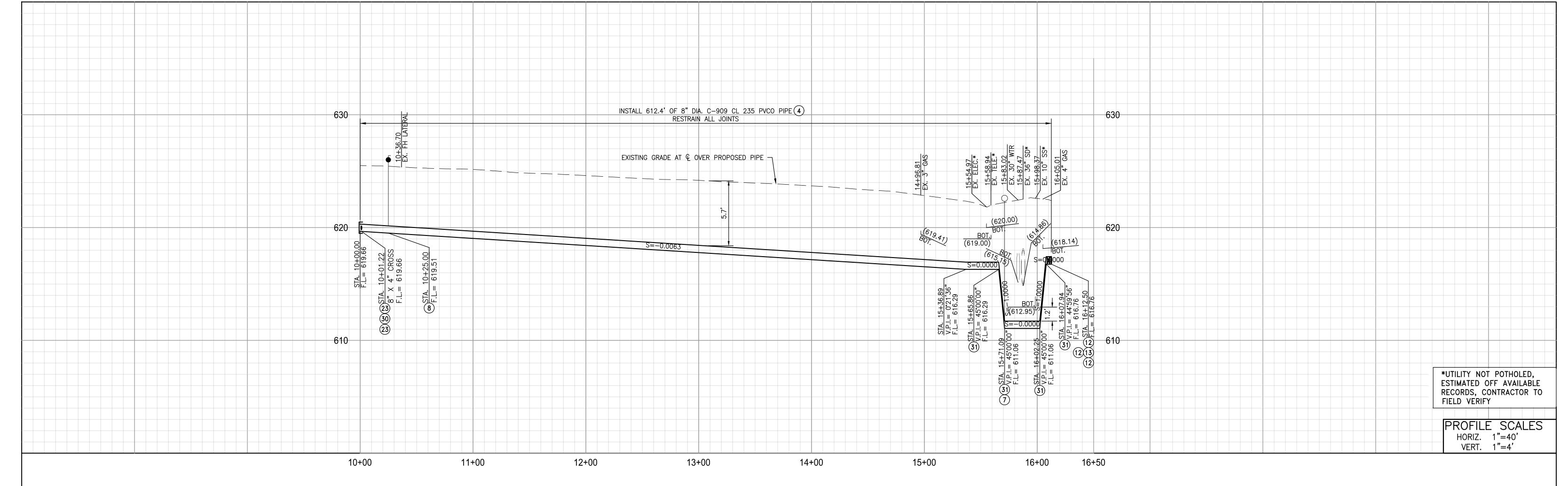
FAX (951) 788-1256 PREPARED UNDER THE DESIGNED BY: TH CHECKED BY: SB SUPERVISION OF: R.C.E. NO.: <u>C77435</u> Shome Blonfle DATE: 3/20/2025

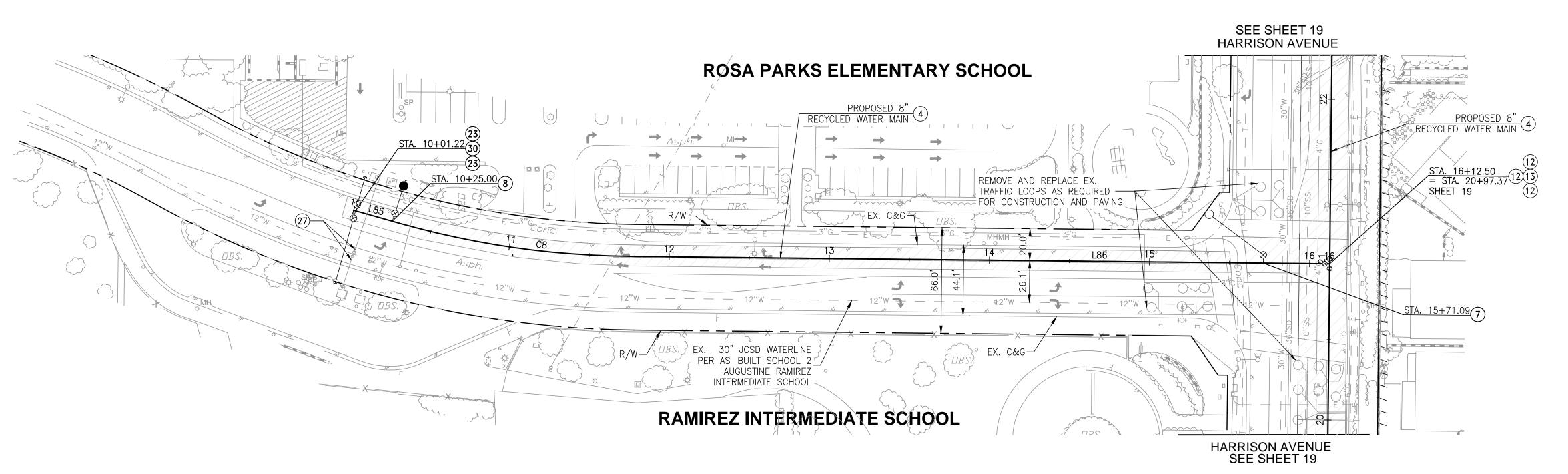
ENGINEERING CONSULTANTS

3788 McCRAY STREET

RIVERSIDE CA. 92506 PH. (951) 686-1070

BENCHMARK: SEE SHEET 1	JURUPA COMMUNITY SERVICES DISTRICT
	CITY OF EASTVALE/JURUPA VALLEY, CALIFORN
	JCSD RECYCLED WATER PROGRAM PROJECT
	SEGMENT 2
4	HARRISON AVE
2011 5	STA. 30+00.00 TO STA. 35+47.67
SCALE:	FOR: W.O. CITY
HORIZONTAL: $1" = 40'$ VERTICAL: $1" = 4'$	J.C.S.D. 22-0187 FILE NO. PW





INDICATES 7,354 S.F. OF GRIND AND OVERLAY ON THIS SHEET

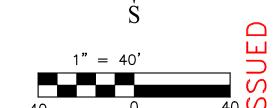
LINE	LENGTH	BEARING
L85	19.00'	S74°14'48"E
L86	433.98'	S89°23'17"E

CURVE	RADIUS	DELTA	LENGTH	TANGENT
C8	550.00'	15°08'29"	145.35'	73.10'

CONSTRUCTION NOTES

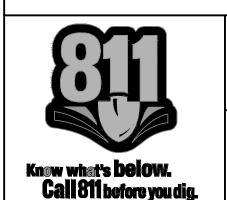
- INSTALL 8" DIA. RECYCLED WATER MAIN (C-909 CL 235 PVCO). TRENCHING, BEDDING, AND BACKFILL PER JCSD STD. DWG. R/NP-2A, SPEC SECTION F, AND CITY OF EASTVALE PERMIT REQUIREMENTS
- (7) INSTALL 4" BLOW-OFF ASSEMBLY PER JCSD STD. DWG. R/NP-17
- 8 INSTALL 2" AIR RELEASE AND VACUUM VALVE ASSEMBLY PER JCSD STD. DWG. R/NP-14/14A DEPENDING ON PIPE MATERIAL
- 12 INSTALL 8" DIA. FL X FL RSGV W/FL X MJ ADAPTER PER JCSD STD. DWG. R/NP-6
- (13) INSTALL 8" DIA. FLANGED DUCTILE IRON TEE W/FL X MJ ADAPTER
- 23 INSTALL 4" DIA. FL X FL RSGV W/FL X MJ ADAPTER PER JCSD STD. DWG. R/NP-6 AND 4" PIPING WITH CAP TO LOCATION SHOWN
- (27) ABANDON EXISTING WATER SERVICE LINE PER JCSD STD. DWG. D-9
- (30) INSTALL 8" X 4" DIA. FLANGED DUCTILE IRON CROSS W/FL X MJ ADAPTER

(31) INSTALL 8" DIA. FLANGED DUCTILE IRON 45° BEND W/FL X MJ ADAPTER



SHEET NO

WHISPERING HILLS DRIVE



WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR SSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER JCSD APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND

REVISING THE PLANS FOR APPROVAL BY JCSD.

\triangle	SLB	4/17/25	ADDENDUM NO. 3 REVISION LABELING BID SCHEDULE			SE
MARK	BY	DATE	REVISIONS	APPR.	DATE	
ENGINEER		ER	REVISIONS		SD	





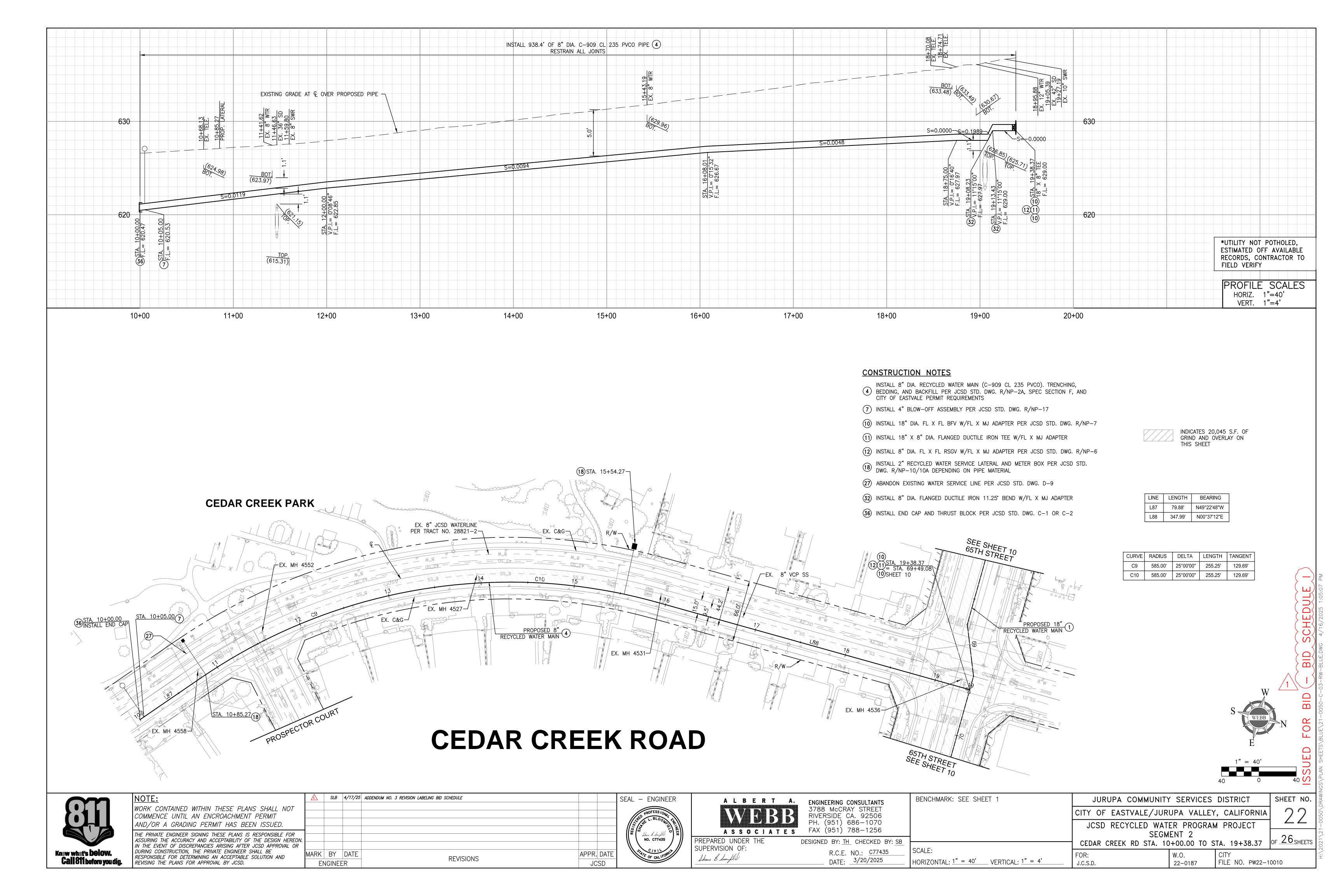
FAX (951) 788-1256 DESIGNED BY: TH CHECKED BY: SB SUPERVISION OF: R.C.E. NO.: <u>C77435</u> Shame Blingle DATE: 3/20/2025

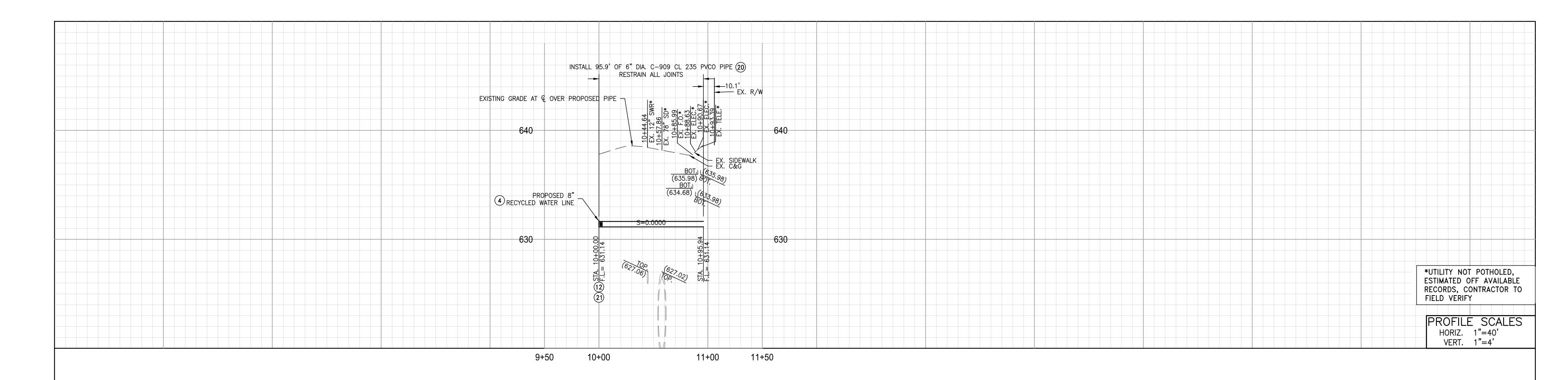
ENGINEERING CONSULTANTS 3788 McCRAY STREET RIVERSIDE CA. 92506 PH. (951) 686-1070

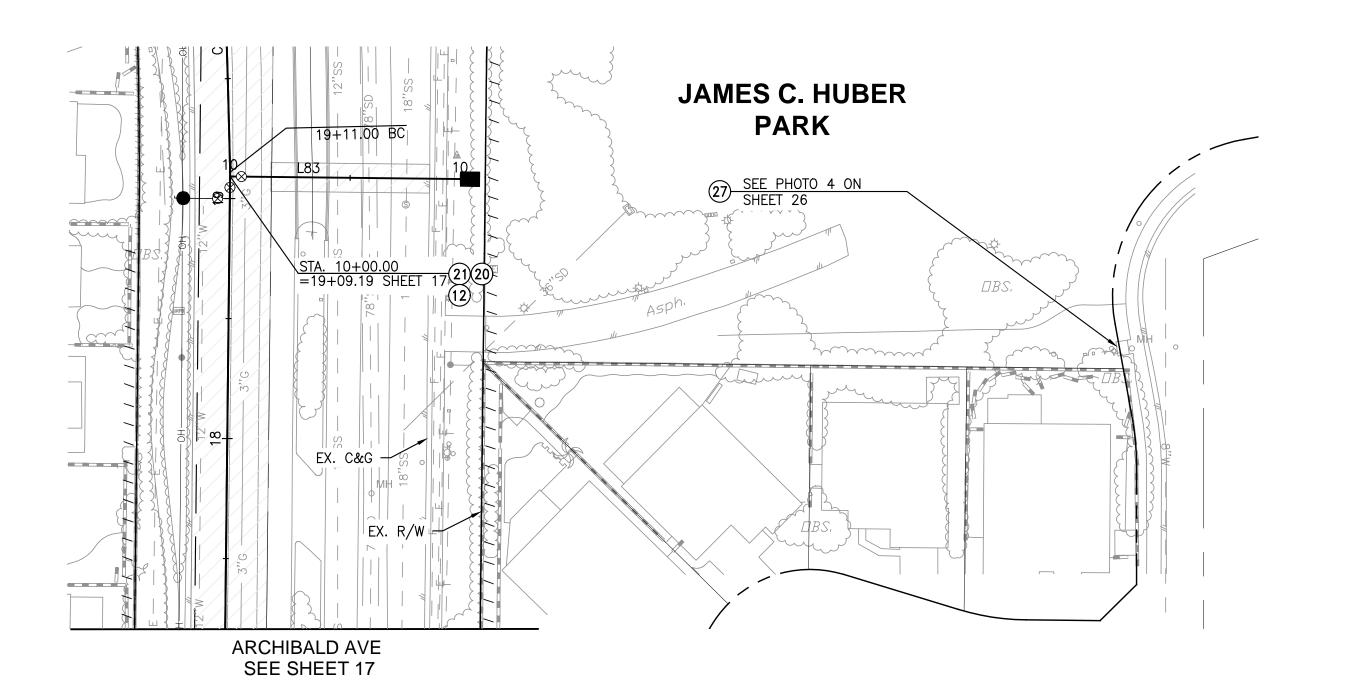
NCHMARK: SEE SHEET 1	JURUPA COMMUNITY SERVICES DISTRICT
	CITY OF EASTVALE/JURUPA VALLEY, CALIFORI
	JCSD RECYCLED WATER PROGRAM PROJECT
	SEGMENT 2
	WHISPERING HILLS DR
. –	STA. 10+00.00 TO STA. 16+12.45
JF:	

HORIZONTAL: 1" = 40' VERTICAL: 1" = 4'

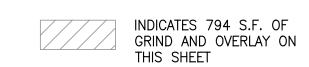
LEY, CALIFORNIA RAM PROJECT OF 26 SHEETS 16+12.45 FILE NO. PW22-10010 22-0187







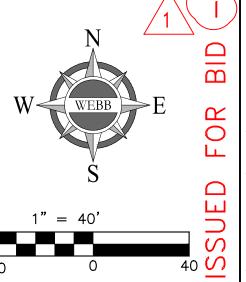


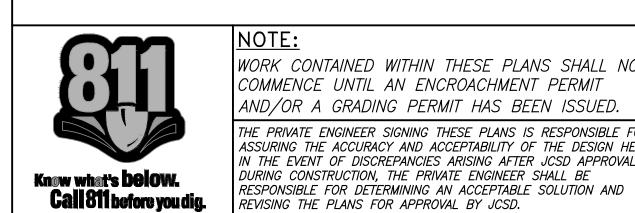


LINE	LENGTH	BEARING
L83	95.95'	S89°21'20"E

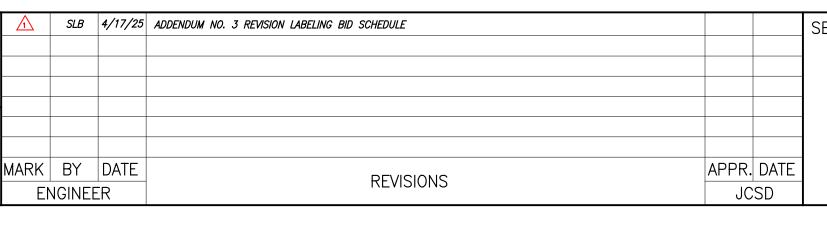
CONSTRUCTION NOTES

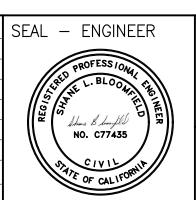
- INSTALL 8" DIA. RECYCLED WATER MAIN (C-909 CL 235 PVCO). TRENCHING, BEDDING, AND BACKFILL PER JCSD STD. DWG. R/NP-2A, SPEC SECTION F, AND CITY OF EASTVALE PERMIT REQUIREMENTS
- 12) INSTALL 8" DIA. FL X FL RSGV W/FL X MJ ADAPTER PER JCSD STD. DWG. R/NP-6
- 20 INSTALL 6" RECYCLED WATER SERVICE LATERAL AND METER BOX PER JCSD STD. DWG. R/NP-12/A DEPENDING ON PIPE MATERIAL
- (21) INSTALL 8" X 6" DIA. FLANGED DUCTILE IRON TEE W/FL X MJ ADAPTER
- 27) ABANDON EXISTING WATER SERVICE LINE PER JCSD STD. DWG. D-9





WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED. THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR SSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE







Shame Blimfle

ENGINEERING CONSULTANTS
3788 McCRAY STREET
RIVERSIDE CA. 92506
PH. (951) 686-1070
FAX (951) 788-1256 DESIGNED BY: TH CHECKED BY: SB R.C.E. NO.: <u>C77435</u> DATE: <u>3/20/2025</u>

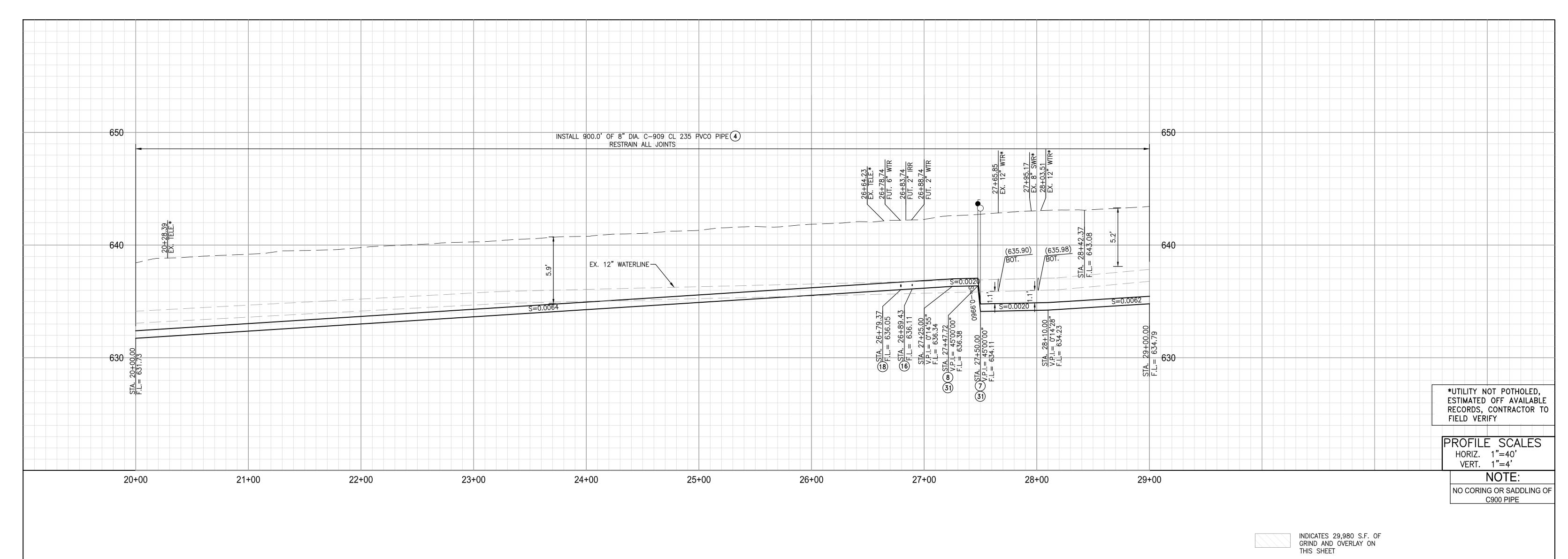
HORIZONTAL: 1" = 40' VERTICAL: 1" = 4'22-0187

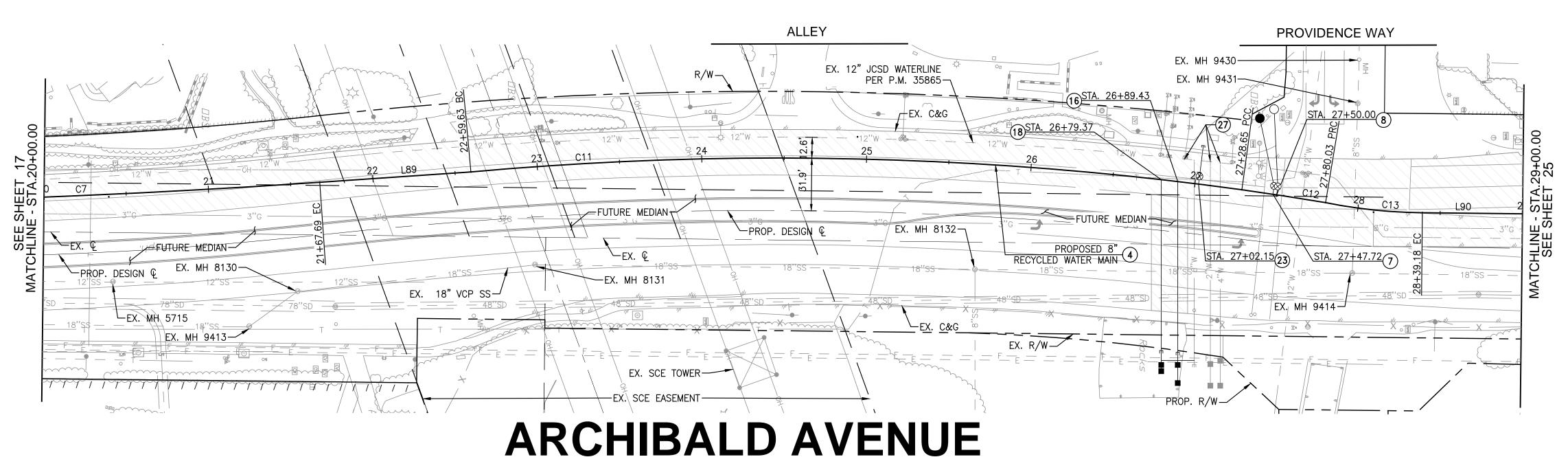
BENCHMARK: SEE SHEET 1

JURUPA COMMUNITY SERVICES DISTRICT CITY OF EASTVALE/JURUPA VALLEY, CALIFORNIA JCSD RECYCLED WATER PROGRAM PROJECT SEGMENT 2 ARCHIBALD AVE STA. 10+00 TO STA. 10+95.94

of 26 SHEETS FILE NO. PW22-10010

SHEET NO.





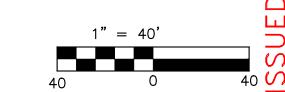
LINE	LENGTH	BEARING
L89	91.94	N03°53'42"W
L90	336.54	N00°38'41"E

CURVE	RADIUS	DELTA	LENGTH	TANGE
C7	5536.07'	2°39'24"	256.69'	128.3
C11	2067.32'	12°59'55"	469.01'	235.5
C12	2151.27'	1°22'07"	51.39'	25.69
C13	314.73'	10°46'02"	59.14'	29.66

CONSTRUCTION NOTES

- INSTALL 8" DIA. RECYCLED WATER MAIN (C-909 CL 235 PVCO). TRENCHING, BEDDING, AND BACKFILL PER JCSD STD. DWG. R/NP-2A, SPEC SECTION F, AND CITY OF EASTVALE PERMIT REQUIREMENTS
- 7) INSTALL 4" BLOW-OFF ASSEMBLY PER JCSD STD. DWG. R/NP-17
- 8 INSTALL 2" AIR RELEASE AND VACUUM VALVE ASSEMBLY PER JCSD STD. DWG. R/NP-14/14A DEPENDING ON PIPE MATERIAL
- 16 INSTALL 1" RECYCLED WATER SERVICE LATERAL AND METER BOX PER JCSD STD. DWG. R/NP-8/8A DEPENDING ON PIPE MATERIAL
- 18 INSTALL 2" RECYCLED WATER SERVICE LATERAL AND METER BOX PER JCSD STD. DWG. R/NP-10/10A DEPENDING ON PIPE MATERIAL
- INSTALL 4" DIA. FL X FL RSGV W/FL X MJ ADAPTER PER JCSD STD. DWG. R/NP-6 AND 4" PIPING WITH CAP TO LOCATION SHOWN
- (27) ABANDON EXISTING WATER SERVICE LINE PER JCSD STD. DWG. D-9





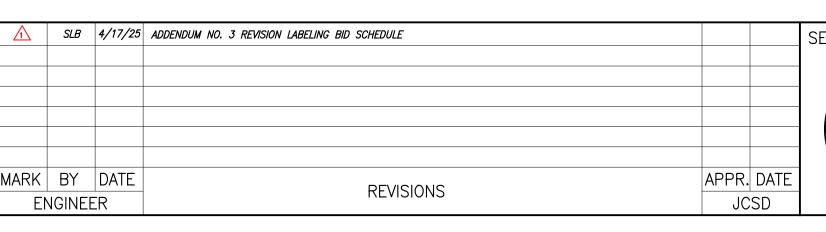
SHEET NO

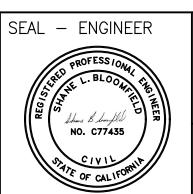


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SUPERVISION OF:

Shame Blenfle

3788 McCRAY STREET RIVERSIDE CA. 92506 PH. (951) 686-1070 FAX (951) 788-1256

DESIGNED BY: TH CHECKED BY: SB R.C.E. NO.: <u>C77435</u> DATE: 3/20/2025

ENGINEERING CONSULTANTS

BENCHMARK: SEE SHEET 1

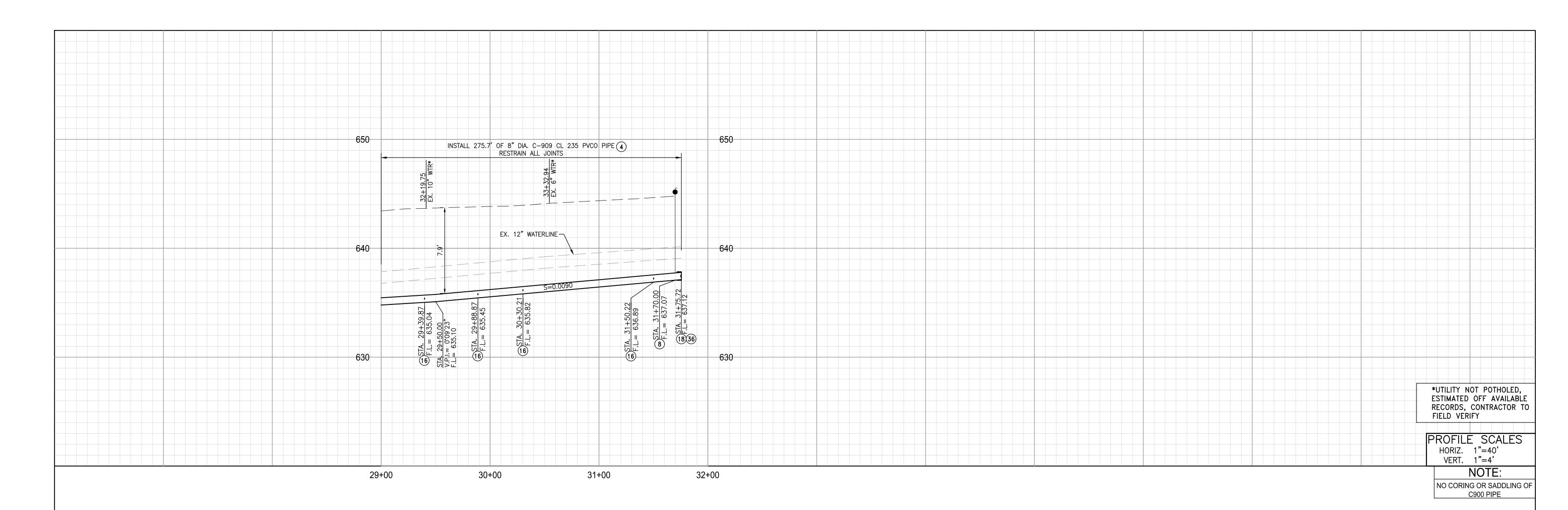
HORIZONTAL: 1" = 40' VERTICAL: 1" = 4'

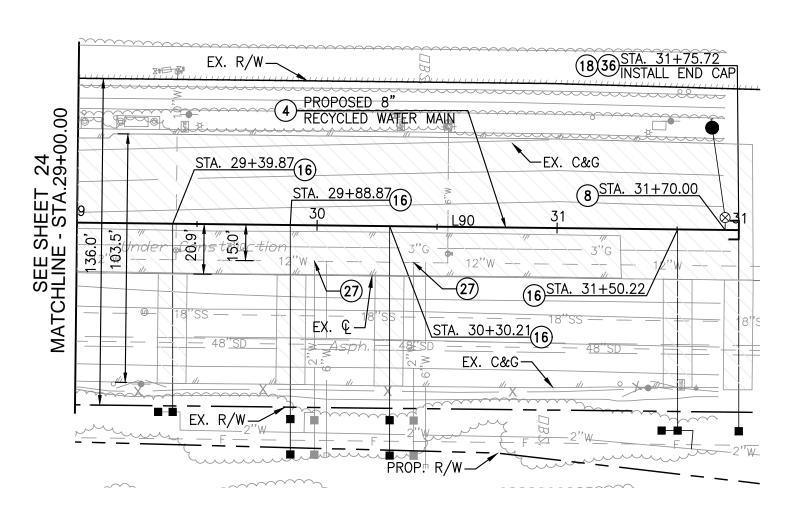
JURUPA COMMUNITY SERVICES DISTRICT CITY OF EASTVALE/JURUPA VALLEY, CALIFORNIA SEGMENT 2

JCSD RECYCLED WATER PROGRAM PROJECT ARCHIBALD AVE STA. 20+00.00 TO STA. 29+00.00 OF 26 SHEETS

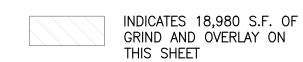
22-0187

FILE NO. PW22-10010





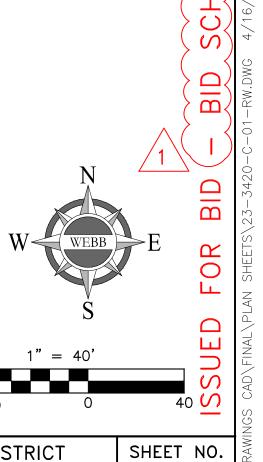
ARCHIBALD AVENUE

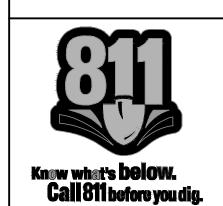


LINE	LENGTH	BEARING
L90	336.54'	N00°38'41"E

CONSTRUCTION NOTES

- INSTALL 8" DIA. RECYCLED WATER MAIN (C-909 CL 235 PVCO). TRENCHING, BEDDING, AND BACKFILL PER JCSD STD. DWG. R/NP-2A, SPEC SECTION F, AND CITY OF EASTVALE PERMIT REQUIREMENTS
- 8 INSTALL 2" AIR RELEASE AND VACUUM VALVE ASSEMBLY PER JCSD STD. DWG. R/NP-14/14A DEPENDING ON PIPE MATERIAL
- 16 INSTALL 1" RECYCLED WATER SERVICE LATERAL AND METER BOX PER JCSD STD. DWG. R/NP-8/8A DEPENDING ON PIPE MATERIAL
- 18 INSTALL 2" RECYCLED WATER SERVICE LATERAL AND METER BOX PER JCSD STD. DWG. R/NP-10/10A DEPENDING ON PIPE MATERIAL
- 27) ABANDON EXISTING WATER SERVICE LINE PER JCSD STD. DWG. D-9
- (36) INSTALL END CAP AND THRUST BLOCK PER JCSD STD. DWG. C-1 OR C-2

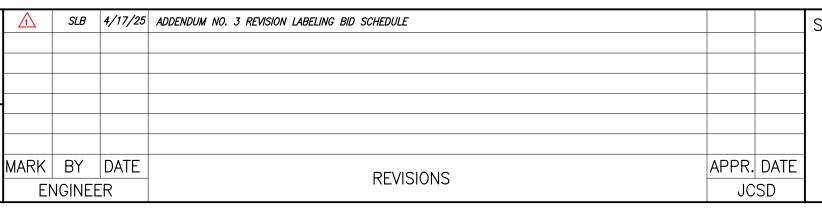


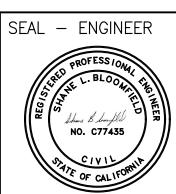


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ALBERT A. ASSOCIATES

PH. (951) 686-1070 FAX (951) 788-1256 PREPARED UNDER THE DESIGNED BY: TH CHECKED BY: SB SUPERVISION OF: R.C.E. NO.: <u>C77435</u> Shame Blimfle DATE: 3/20/2025

ENGINEERING CONSULTANTS

3788 McCRAY STREET RIVERSIDE CA. 92506

HORIZONTAL: 1" = 40' VERTICAL: 1" = 4'

JURUPA COMMUNITY SERVICES DISTRICT BENCHMARK: SEE SHEET 1 CITY OF EASTVALE/JURUPA VALLEY, CALIFORNIA SEGMENT 2

J.C.S.D.

JCSD RECYCLED WATER PROGRAM PROJECT ARCHIBALD AVE STA. 29+00.00 TO STA. 31+75.72 OF 26 SHEETS

W.O. FILE NO. PW22-10010 22-0187

ABANDON EXISTING - WATER SERVICE PER JCSD STD. DWG. D-9

PHOTO 1: CADENZA DRIVE

SEE SHEET 3

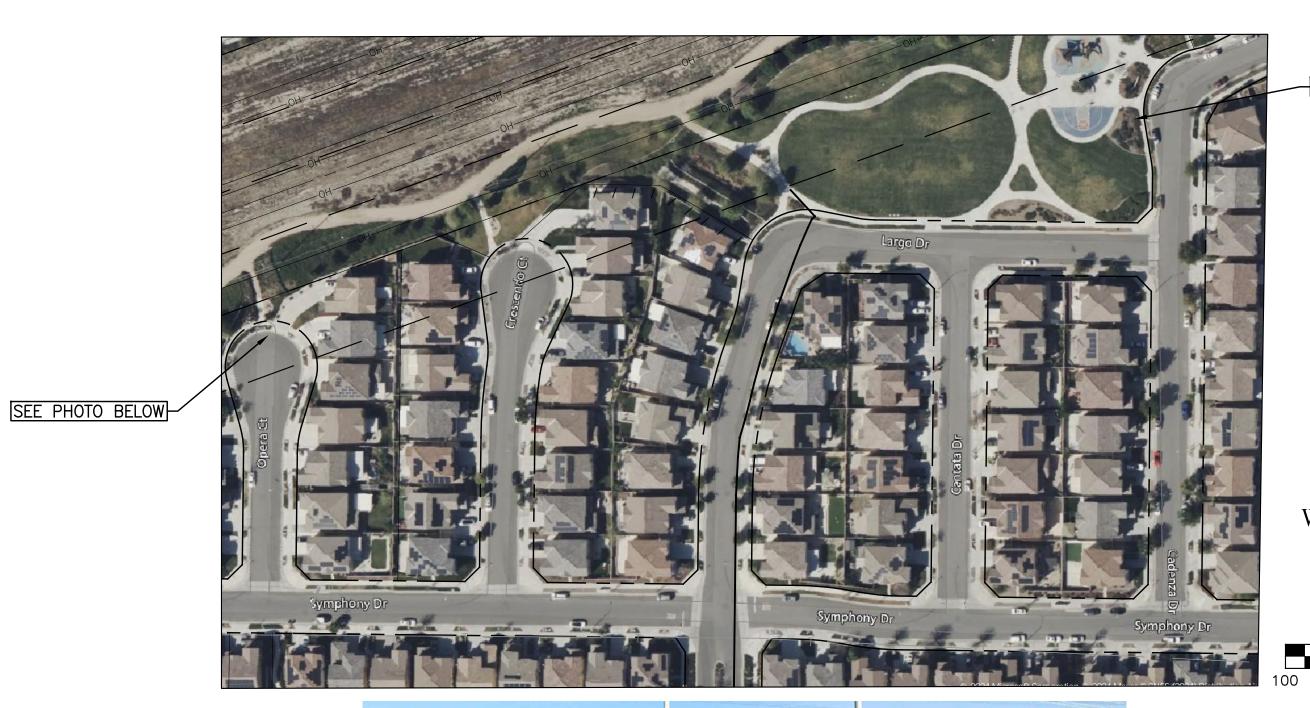




PHOTO 2: OPERA COURT

SEE SHEET 3

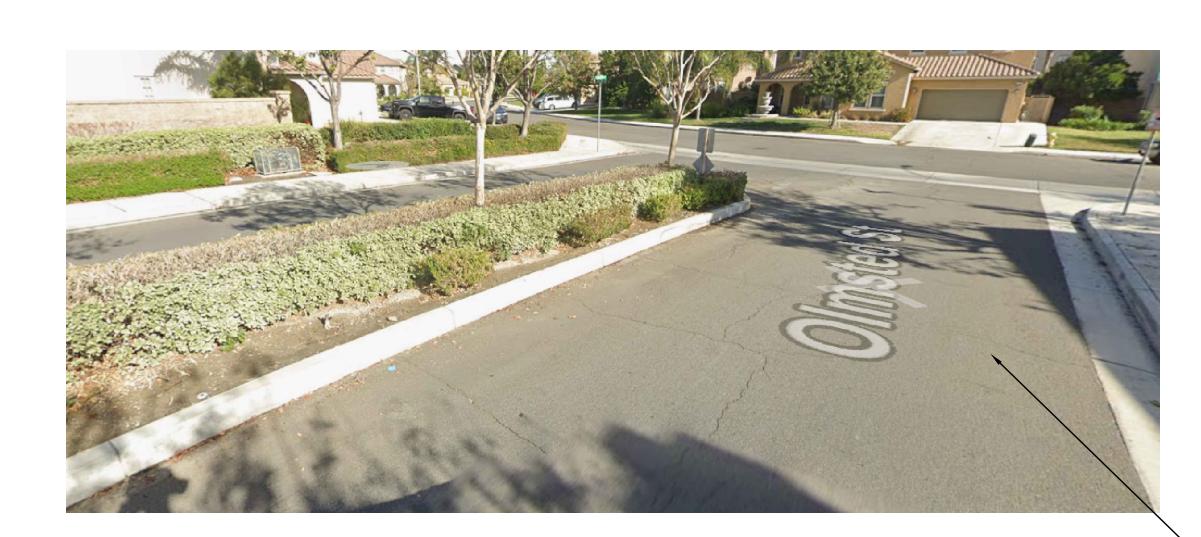


PHOTO 3: OLMSTEAD STREET

SEE SHEET 20

ABANDON EXISTING
WATER SERVICE PER
JCSD STD. DWG. D-9

ABANDON EXISTING -WATER SERVICE PER JCSD STD. DWG. D-9

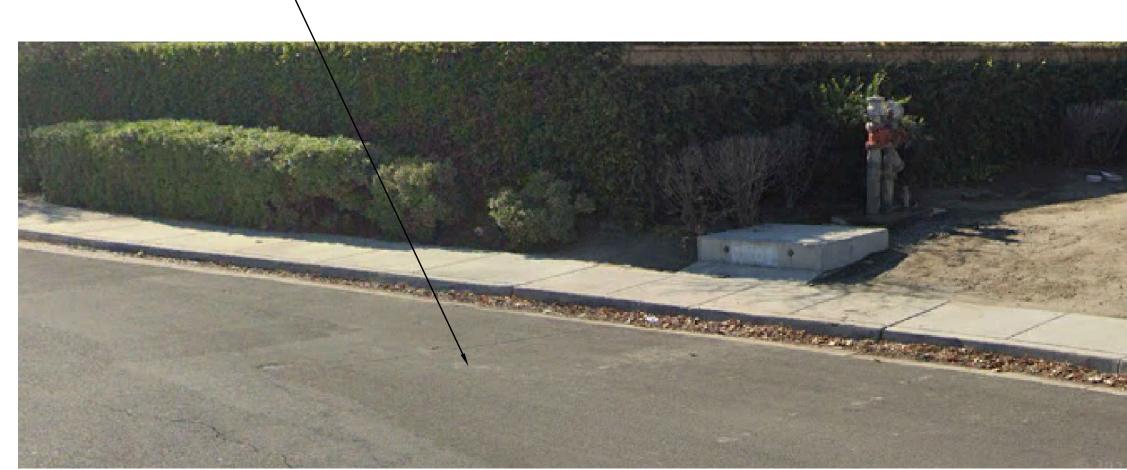
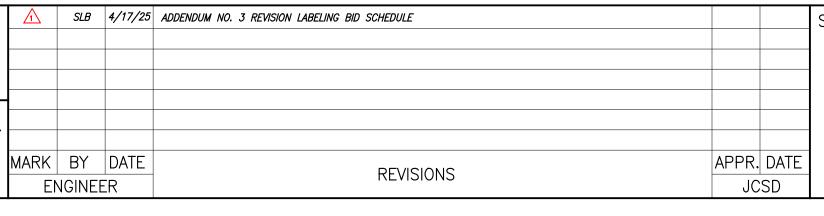


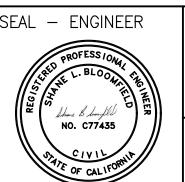
PHOTO 4: LONG BRANCH STREET

SEE SHEET 23

VERTICAL: _

ABANDON EXISTING
WATER SERVICE PER JCSD STD. DWG. D-9





PREPARED UNDER THE SUPERVISION OF:

ENGINEERING CONSULTANTS 3788 McCRAY STREET RIVERSIDE CA. 92506 PH. (951) 686-1070 FAX (951) 788-1256 DESIGNED BY: TH CHECKED BY: SB R.C.E. NO.: <u>C77435</u> DATE: <u>3/20/2025</u>

HORIZONTAL: __

JURUPA COMMUNITY SERVICES DISTRICT BENCHMARK: SEE SHEET 1 CITY OF EASTVALE/JURUPA VALLEY, CALIFORNIA JCSD RECYCLED WATER PROGRAM PROJECT SEGMENT 2 POTABLE WATER ABANDONMENT LOCATIONS PHOTO SHEETS

CITY FILE NO. PW22-10010

SHEET NO

JURUPA COMMUNITY SERVICES DISTRICT EASTVALE, CALIFORNIA LIMONITE AVE RECYCLED WATER EXTENSION

GENERAL NOTES AND REQUIREMENTS:

- 1. THE CONTRACTOR SHALL NOTIFY J.C.S.D. AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION.
- 2. ALL CONSTRUCTION UNDER THIS CONTRACT SHALL CONFORM WITH ALL PROVISIONS OF THE SPECIAL REQUIREMENTS, BASIC SPECIFICATIONS, TECHNICAL SPECIFICATIONS AND CONSTRUCTION DRAWINGS ALL INCLUSIVE UNDER THIS CONTRACT.
- 3. SEPARATION REQUIREMENTS BETWEEN WATER AND SEWER/RECYCLED WATER LINES (4' MINIMUM, 5' FOR LATERALS) SHALL CONFORM TO THE COUNTY OF RIVERSIDE HEALTH DEPARTMENT AND THE STATE WATER RESOURCES CONTROL BOARD REQUIREMENTS. THE AGENCY'S SPECIFICATIONS THAT ARE MORE RESTRICTIVE SHALL GOVERN IN ALL CASES.
- 4. ALL CONSTRUCTION AND MATERIALS SHALL COMPLY WITH J.C.S.D. STANDARDS AND SPECIFICATIONS. ANY CONSTRUCTION AND/OR MATERIALS NOT COVERED J.C.S.D. STANDARDS SHALL BE APPROVED BY THE DISTRICT PRIOR TO CONSTRUCTION.
- 5. PRIOR TO CONSTRUCTION OF THE WATER, SEWER AND/OR RECYCLED WATER LINES, THE CONTRACTOR SHALL EXPOSE THE EXISTING RECYCLED WATER LINES WHERE CONNECTIONS WILL OCCUR AND VERIFY THEIR ELEVATION AND LOCATION. APPROVAL OF J.C.S.D. OF A PROPOSED CONNECTION TO A J.C.S.D. FACILITY DOES NOT IMPLY APPROVAL OF THE CORRECTNESS OF THE ELEVATION AND/OR LOCATION SHOWN ON THE PLANS.
- 6. CONTRACTOR SHALL NOT BACKFILL TRENCH UNTIL THE INSPECTOR HAS OBTAINED AS—BUILT STATIONING ON ALL STRUCTURES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ACCURATE "RECORD DRAWINGS" TO THE DISTRICT IMMEDIATELY AFTER CONSTRUCTION.
- 7. APPROVAL BY J.C.S.D. IMPLIES NO PERMISSION OTHER THAN THAT WITHIN THE DISTRICT'S JURISDICTION. ALL PERMITS REQUIRED BY LAW NOT ALREADY ACQUIRED BY J.C.S.D. SHALL BE ACQUIRED BY THE CONTRACTOR. REQUIREMENTS OF J.C.S.D. SHALL TAKE PRECEDENCE OVER REQUIREMENTS OF OTHER AGENCIES ONLY WHERE J.C.S.D. REQUIREMENTS ARE MORE STRINGENT.
- 8. CONTRACTOR SHALL SHORE ALL TRENCHES AND CONDUCT ALL CONSTRUCTION AND OPERATIONS IN ACCORDANCE WITH CAL-OSHA REQUIREMENTS AND HAVE ALL ENCROACHMENT AND EXCAVATION PERMITS PRIOR TO THE START OF WORK.
- 9. PIPE JOINTS SHALL NOT BE PULLED AT ANY ANGLE GREATER THAN ONE—HALF THE MAXIMUM ANGLE RECOMMENDED BY THE PIPE MANUFACTURER.

 10. THE PROPOSED WORK SHALL BE SUBORDINATED TO ANY OPERATIONS J.C.S.D. MAY CONDUCT, AND SHALL BE COORDINATED WITH SUCH OPERATIONS AS DIRECTED
- 11. A PREJOB MEETING SHALL OCCUR PRIOR TO CONSTRUCTION. ATTENDEES SHALL INCLUDE A DISTRICT INSPECTOR, REPRESENTATIVE FROM J.C.S.D. OPERATIONS
- DEPARTMENT, CITY REPRESENTATIVE AND THE CONTRACTOR WHO WILL PERFORM THE WORK.

 12. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (U.S.A.) AND HAVE ALL UNDERGROUND UTILITIES MARKED TWO (2) WORKING DAYS PRIOR TO
- 13. CONTRACTOR SHALL FURNISH AND INSTALL ALL FACILITIES IN ACCORDANCE WITH THE DISTRICT'S STANDARD SPECIFICATIONS AND STANDARD DRAWINGS FOR RECYCLED WATER FACILITIES (LATEST REVISION). THE SPECIFICATIONS AND STANDARD DRAWINGS ARE AVAILABLE FROM THE DISTRICT. CONTRACTOR SHALL BE IN POSSESSION OF DISTRICT'S SPECIFICATIONS AND STANDARD DRAWINGS ON THE JOB SITE AT ALL TIMES.
- 14. ALL PERMITS REQUIRED BY LAW SHALL BE ACQUIRED BY THE APPLICANT OR THEIR CONTRACTOR. COPIES OF THE EXCAVATION AND ENCROACHMENT PERMITS WILL BE GIVEN TO J.C.S.D. PRIOR TO THE PREJOB.
- 15. ALL CONSTRUCTION SHALL CONFORM TO CURRENT CAL OSHA SAFETY REQUIREMENTS.
 16. CONTRACTOR SHALL DESIGNATE A QUALIFIED SUPERINTENDENT WITH FULL AUTHORITY TO ACT ON BEHALF OF THE CONTRACTOR. SAID SUPERINTENDENT SHALL BE
- ON THE JOB SITE AT ALL TIMES.

 17. IMMEDIATELY UPON COMPLETION OF CONSTRUCTION OF THE WATER, SEWER AND/OR RECYCLED WATER PIPELINES, THE DEVELOPER SHALL HIRE A DISTRICT APPROVED VIDEO COMPANY TO VIDEO THE PIPELINES IN THE PRESENCE OF A DISTRICT REPRESENTATIVE IN DVD FORMAT (VIDEO FILE FORMAT TO BE VIEWABLE ON A STANDARD DVD PLAYER/COMPUTER AND/OR AS APPROVED BY THE DISTRICT). DISTRICT OR DISTRICT REPRESENTATIVE SHALL REVIEW SAID DVD'S FOR
- POTENTIAL CONSTRUCTION DEFECTS PRIOR TO ACCEPTANCE OF THE PROJECT.

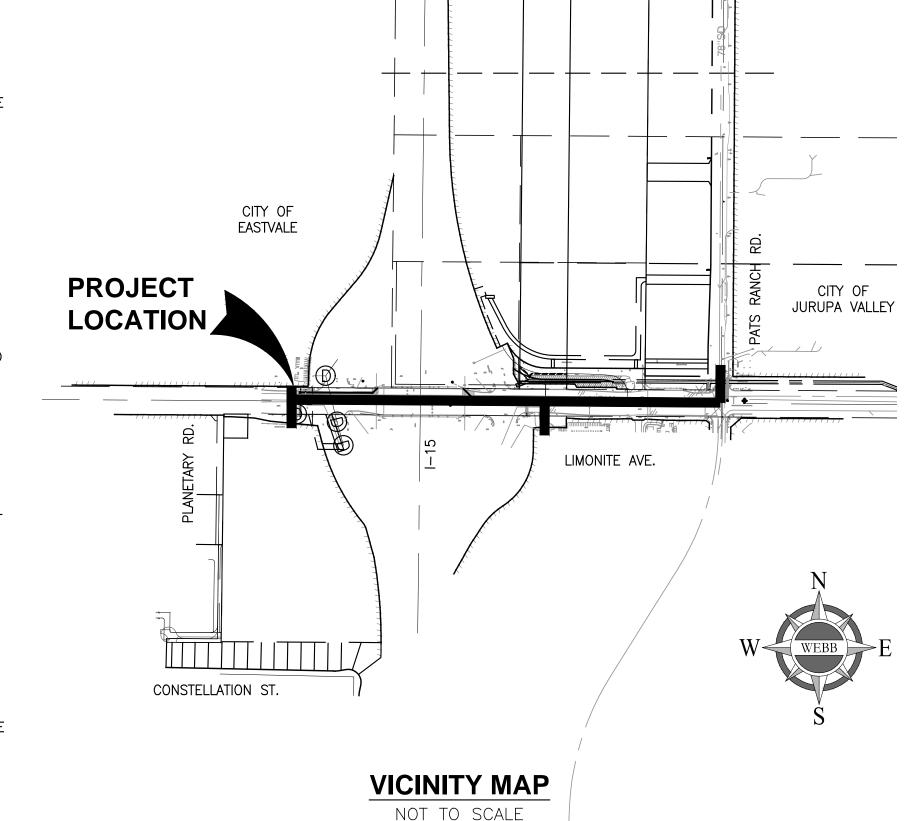
 18. INSCRIBE AN "RW" ON THE FACE OF THE CURB TO INDICATE WHERE RECYCLED WATER SERVICES CROSS THE CURBLINE.
- 19. COMPACTION TESTS FOR WATER, SEWER AND RECYCLED WATER FACILITIES SHALL BE PERFORMED BY A GEOTECHNICAL FIRM PAID FOR BY J.C.S.D.. ALL COMPACTION TESTS SHALL BE MADE IN ACCORDANCE WITH DISTRICT SPECIFICATIONS. SOILS TESTING RESULTS SHALL BE GIVEN TO THE DISTRICT INSPECTOR ON A DAILY BASIS. AT THE CONCLUSION OF THE PROJECT, A FINAL COMPACTION REPORT SHALL BE GIVEN TO THE DISTRICT.
- 20. REPLACEMENT PAVING IN ALL PAVED ROADS, TRAFFIC CONTROL, RESTRIPING, SPECIAL TRENCH BACKFILL, SPECIAL CLASS 2 BASE REQUIREMENTS, ETC. SHALL BE IN ACCORDANCE WITH THE CITY OF EASTVALE PERMIT REQUIREMENTS. THE CONTRACTOR SHALL NOTIFY THE CITY PERMIT SECTION AT (951) 332-6464 AT LEAST 48 HOURS PRIOR TO STARTING CONSTRUCTION. IF THE PROPOSED PIPELINE CROSSES A PAVED STREET AT AN ANGLE OTHER THAN 90 DEGREES, THE LIMITS OF PAVEMENT OVERLAY SHALL BE AT RIGHT ANGLES TO THE STREET CENTERLINE AND SHALL ENCOMPASS THE ENTIRE TRENCH PAVING
- 21. THE CONTRACTOR SHALL RESTORE PAVED ROADS, DRIVEWAYS, SIDEWALKS, CURB AND GUTTER, ETC. OF THE PRIVATE ROADS WITHIN THE PROJECT LIMITS. ALL REPLACEMENT PAVING, TRAFFIC CONTROL, RESTRIPING, SPECIAL TRENCH BACKFILL, SPECIAL CLASS 2 BASE REQUIREMENTS, ETC. OF PAVED ROADS SHALL BE IN ACCORDANCE WITH THE CITY OF EASTVALE STANDARDS.
- 22. ANY CONTRACTOR/SUBCONTRACTOR PERFORMING WORK ON THIS PROJECT SHALL FAMILIARIZE THEMSELVES WITH THE SITE AND SHALL BE SOLELY RESPONSIBLE FOR ANY DAMAGE TO EXISTING FACILITIES RESULTING DIRECTLY OR INDIRECTLY FROM THEIR OPERATIONS. SAID EXISTING IMPROVEMENTS SHALL INCLUDE BUT NOT BE LIMITED TO BERMS, DITCHES, DRIVEWAYS, FENCES, AND PLANTS. ANY REMOVAL OR DAMAGE TO EXISTING IMPROVEMENTS SHALL BE REPLACED OR REPAIRED TO EXISTING OR BETTER CONDITION BY THE CONTRACTOR AT THEIR EXPENSE AND SHALL BE APPROVED BY THE DISTRICT.
- 23. THE CONTRACTOR/SUBCONTRACTOR SHALL EXAMINE CAREFULLY THE SITE OF THE WORK CONTEMPLATED AS WELL AS THE PLANS AND SPECIFICATIONS. THE SUBMISSION OF A BID PROPOSAL SHALL BE CONCLUSIVE EVIDENCE THAT THE CONTRACTOR/SUB CONTRACTOR HAS INVESTIGATED THE PROJECT SITE AND IS SATISFIED AS TO THE CONDITIONS TO BE ENCOUNTERED, AS TO THE CHARACTER, QUALITY, AND SCOPE OF THE WORK TO BE PERFORMED, AS TO THE QUANTITIES
- OF MATERIAL TO BE FURNISHED, AND AS TO THE REQUIREMENTS OF THE BID PROPOSAL, PLANS AND GENERAL SPECIFICATIONS.

 24. LINEAR FEET OF PIPE SHOWN ON THE DRAWINGS ARE HORIZONTAL MEASUREMENTS AND EXTEND THROUGH VALVES, BENDS, AND OTHER APPURTENANCES.

 25. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL AND MAINTAIN ALL CONSTRUCTION, REGULATORY, GUIDE AND WARNING SIGNS WITHIN THE PROJECT LIMITS AND ITS SURROUNDINGS, AND TO PROVIDE SAFE PASSAGE FOR THE TRAVELING PUBLIC AND WORKERS UNTIL THE FINAL COMPLETION AND ACCEPTANCE OF THE PROJECT BY THE DISTRICT. IN AREAS WHERE CONSTRUCTION ACTIVITIES RESTRICT NORMAL ACCESS TO PROPERTIES, THE CONTRACTOR SHALL
- PROVIDE/MAINTAIN ALTERNATE ACCESS ROUTES WHICH ARE SUBJECT TO APPROVAL BY THE CITY OF EASTVALE.

 26. TEST PRESSURE SHALL BE 175 PSI. MINIMUM TEST DURATION IS 4 HOURS. DISTRICT INSPECTOR WILL INSPECT TEST USING CONTRACTOR PROVIDED PRESSURE GAUGE. ALL INSPECTOR TIME SPENT INSPECTING AND REQUIRED RETESTS (INCLUDING RATE AND OVERHEAD) SHALL BE AT THE EXPENSE OF THE CONTRACTOR.
- FOR TESTING PURPOSES ALL PIPE SHALL BE CONSIDERED CLASS 235.

 27. CONNECTION TO EXISTING WATERLINES SHALL BE REQUESTED TWO (2) WEEKS IN ADVANCE. ACTUAL CONNECTIONS SHALL BE DONE IN THE PRESENCE OF THE DISTRICT INSPECTOR.
- 28. IN THE EVENT OF TRAFFIC STRIPING AND/OR LANE MARKINGS ARE OBLITERATED, THEY SHALL BE REPLACED IN KIND AS DIRECTED BY THE CITY OF EASTVALE.
 29. ALL TRENCH BACKFILL SHALL BE CONTINUALLY INSPECTED, TESTED, AND CERTIFIED BY A SOILS ENGINEER. THE SOILS ENGINEER SHALL SUBMIT A CERTIFIED REPORT TO THE CITY ENGINEER SUMMARIZING ALL TESTS TAKEN.
- 30. DURING THE WORK DAY, TRENCHES MAY BE LEFT OPEN ACROSS ONLY ONE CROSS STREET AT A TIME. NO TRENCHES SHALL BE LEFT OPEN OVERNIGHT UNLESS AUTHORIZED IN WRITING BY THE CITY OF EASTVALE.
- 31. ALL TRAFFIC PLATES LEFT MUST BE RECESSED, NO EXCEPTIONS AND BE INSPECTED AND APPROVED BY THE CITY OF EASTVALE
- 32. PERFORM AND PROVIDE PRE—CONSTRUCTION AUDIO/VIDEO PER SPECIFICATIONS. SUBMIT PRE—CONSTRUCTION AUDIO/VIDEO TO DISTRICT FOR REVIEW PRIOR TO START OF CONSTRUCTION TO ENSURE QUALITY FOR POST WORK FOLLOW UP.



GENERAL NOTES AND REQUIREMENTS (RECYCLED WATER):

- 1. MINIMUM COVER OVER THE RECYCLED WATER MAIN SHALL BE 60-INCHES, UNLESS OTHERWISE APPROVED IN WRITING BY THE DISTRICT
- 2. PIPE SHALL BE HANDLED SO AS TO PROTECT PIPE JOINTS, LINING, AND COATING, AND CAREFULLY BEDDED TO PROVIDE CONTINUOUS BEARING AND PREVENT SETTLEMENT. PIPE SHALL BE PROTECTED AGAINST FLOTATION AT ALL TIMES. OPEN ENDS SHALL BE SEALED AT ALL TIMES WHEN CONSTRUCTION IS IN PROGRESS.
- 3. ALL APPURTENANCES (I.E., AV, BO SERVICES, ETC.) THAT REQUIRE RELOCATION SHALL BE RECONSTRUCTED IN ACCORDANCE WITH CURRENT DISTRICT STANDARDS. ALL ABOVE GRADE APPURTENANCES SHALL BE PAINTED PURPLE. EACH APPURTENANCE TO BE RELOCATED SHALL BE EVALUATED IN THE FIELD ON A CASE BY CASE BASIS AND RECONSTRUCTED AS DIRECTED BY THE DISTRICT. HOWEVER, UNLESS OTHERWISE APPROVED BY THE DISTRICT, RELOCATED APPURTENANCES SHALL BE RECONSTRUCTED FROM THE MAIN TO THE PROPOSED LOCATION.
- 4. LOCATOR WIRE SHALL BE INSTALLED OVER ALL PVC WATERLINES, NON—FERROUS SERVICES AND PIPELINES. LOCATOR WIRE SHALL BE 14—1 SOLID INSULATED COPPER WIRE (UF), IN A CONTINUOUS STRAND, PLACED ON TOP THE PIPE AND SECURED WITH TAPE. LOCATOR WIRE SHALL BE BROUGHT TO THE SURFACE AT ALL APPURTENANCES (I.E. RECYCLED WATER SERVICES, AIR VALVES, BLOWOFFS, ETC.), THUS PROVIDING CONTINUOUS "LOOPING" BETWEEN THE APPURTENANCES AND THE WATER MAIN. ALL SPLICES TO LOCATOR WIRE SHALL BE MADE WITH DIRECT BURY CONNECTORS.

BASIS OF BEARINGS:

"THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA STATE PLANE COORDINATE SYSTEM, CCS83, ZONE 6, BASED LOCALLY ON CONTROL STATIONS "WLFP" "EWPP", AND "NOCO" NAD 83(NSRS2011) AS SHOWN HEREON. ALL BEARINGS SHOWN ON THIS MAP ARE GRID. QUOTED BEARINGS AND DISTANCES FROM REFERENCE MAPS OR DEEDS ARE AS SHOWN PER THAT RECORD REFERENCE. ALL DISTANCES SHOWN ARE GROUND DISTANCES UNLESS SPECIFIED OTHERWISE. GRID DISTANCES, MAY BE OBTAINED BY MULTIPLYING THE GROUND DISTANCE BY A COMBINATION FACTOR OF 0.999991464. CALCULATIONS ARE MADE AT POINT #1 WITH COORDINATES OF: N: 2306052.339, E: 6170039.656, USING AN ELEVATION OF 694.279.

STATION ID; Z 13971
DATUM: NAVD 88
ELEV: 663.50
DESC.: 1" IP W/

BENCHMARK DATA:

COUNTY/STATE: RIVERSIDE/CA

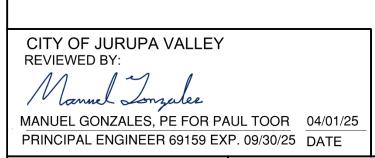
DESC.: 1" IP W/ TAG LS 4131 DN. 0.04', CL WINEVILE AVE. ± 70' S'LY OF 63RD ST.

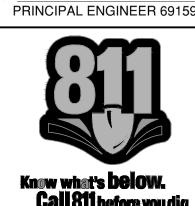
THE CONVERGENCE ANGLE AT POINT #1 IS -000°42"35.76"

NOTICE TO CONTRACTOR:

- 1. CONTRACTOR TO VERIFY BY POTHOLING THE EXISTING ELEVATION AND HORIZONTAL LOCATION OF ALL POINTS OF CONNECTIONS AND CROSSINGS PRIOR TO CONSTRUCTION. THE ENGINEER MUST BE NOTIFIED OF ANY DISCREPANCY IMMEDIATELY.
- 2. THE EXISTENCE AND LOCATIONS OF ALL UNDERGROUND UTILITIES (UTILITY PIPES, STRUCTURES, ETC.) SHOWN ON THESE PLANS (MAIN LINES ONLY NO SERVICE LATERALS) WERE ASCERTAINED BY A REVIEW OF RECORDS PROVIDED BY THESE MEMBER AGENCIES AND ARE APPROXIMATE. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY FOR UTILITIES NOT SHOWN OR NOT IN THE LOCATION SHOWN
- 3. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS. LOCATIONS OF UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- 4. THE QUANTITY ESTIMATE SHOWN HEREON IS FOR THE USE OF GOVERNING AGENCIES IN DETERMINING BOND AMOUNTS AND/OR FEES AND IS NOT TO BE USED FOR BID PURPOSES.

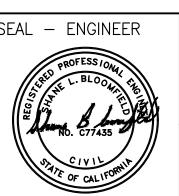
AGENCY OR UTILITY	TELEPHONE NO. OR E-MAIL
	Name: Ms. Susan Blackburn
AT&T - Distribution	Phone: 714-507-3526
IID C	Name: Stacy Allee
HP Communications - Fontana	Phone: 760-985-2438
Inland Empire Utilities Agency	Name: Mr. Matthew Poeske
(IEUA)	Phone: 909-993-1600
Jurupa Community Services	Name: Mr. Anthony Marricco
District (JCSD)	Phone: 951-685-7434
Crown Castle - LA & Ven	Name: Fiber Dig
Crown Castle - LA & Ven	Phone: 888-632-0931
Santa Ana Watershed Project	Name: Mr. Carlos Quintero
Authority (SAWPA)	Phone: 951-354-4234
SoCalGas - Distribution - Corona	Name: Mr. Geary Ambers
Socaldas - Distribution - Corona	e-mail: SCGSERegionRedlandsUtilityRequest@semprautilities.com
Spectrum - Riverside	Name: Mr. Mike Pagano
Spectrum - Kiverside	Phone: 951-406-1690
So. Calif. Edison - Metro East	Name: Map Request Team
Region	Phone: 909-548-7249
Riverside County Flood Control &	Name: Mr. Rudy Tabares, Jr.
Water Conservation District	Phone: 951-955-0087
City of Eastwale	Name: Public Works Department
City of Eastvale	Phone: 951-703-4470





NOIE:	<u> </u>	•
WORK CONTAINED WITHIN THESE PLANS SHALL NOT		
COMMENCE UNTIL AN ENCROACHMENT PERMIT		
AND/OR A GRADING PERMIT HAS BEEN ISSUED.		
THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON.		
IN THE EVENT OF DISCREPANCIES ARISING AFTER JCSD APPROVAL OR		
DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE	MARK	Е
RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY JCSD.	FN	\ \IC
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ENGINEER		ER	INEVISIONS	JCS	JCSD	





B ENGINEERING CONSULTANTS
3788 McCRAY STREET
RIVERSIDE CA. 92506
PH. (951) 686-1070
FAX (951) 788-1256

PREPARED UNDER THE DESIGNED BY: TH CHECKED BY: SLB SUPERVISION OF:

R.C.E. NO.: C77435

DATE: 3/20/25

City of Eastvale	rearrie.	Tublic Works Department			S
City of Eastvale	Phone:	951-703-4470			<u>0</u> ,
BENCHMARK: SEE ABOVE		JURUPA COMMUNIT	Y SERVICES	DISTRICT	SHEET NO.
		CITY OF EASTVALE/JUR	UPA VALLEY	, CALIFORNIA	1
		LIMONITE	EXTENSION		l l
00415		TITLE	SHEET		OF 5 SHEETS
SCALE: HORIZONTAL: $1" = 40'$ VERTICAL: $1" = 4'$		FOR: XX	W.O. 22-0187	CITY FILE NO. XX	

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CONSTRUCTION NOTES

INSTALL 18" DIA. RECYCLED WATER MAIN (C-900 CL 235 PVC). TRENCHING, (1) BEDDING, AND BACKFILL PER JCSD STD. DWG. R/NP-2, SPEC SECTION F, AND CITY OF EASTVALE PERMIT REQUIREMENTS.

SHEET INDEX

TITLE SHEET

NOTES, LEGEND, ABBREVIATIONS, AND INDEX SHEET

LIMONITE AVE STA. 10+00.00 TO STA. 20+00.00

LIMONITE AVE STA. 20+00.00 TO STA. 29+00.00

5. LIMONITE AVE STA. 29+00.00 TO STA. 33+58.39

- 2 INSTALL 4" DIA. RECYCLED WATER SERVICE LATERAL PER JCSD STD. DWG. R/NP-12
- (3) INSTALL 18" DIA. FLANGED DUCTILE IRON 90° BEND W/ FL X MJ ADAPTER
- (4) INSTALL 18" DIA. FLANGED DUCTILE IRON 45° BEND W/ FL X MJ ADAPTER
- (5) INSTALL 18" X 6" DIA. FLANGED DUCTILE IRON TEE W/ FL X MJ ADAPTER
- (6) INSTALL 6" BLOW-OFF ASSEMBLY PER JCSD STD. DWG. R/NP-17
- (7) INSTALL 6" X 4" DIA. FL X FL DUCTILE IRON REDUCER
- 8 INSTALL 4" DIA. FL X FL RSGV W/ FL X MJ ADAPTER PER JCSD STD. DWG. R/NP-6
- (9) INSTALL 18" BLIND FLANGE
- (10) INSTALL 18" X 8" DIA. MJ X MJ DUCTILE IRON REDUCER
- (11) INSTALL 18" DIA. DUCTILE IRON BUTTERFLY VALVE

LEGEND

PROPOSED PIPELINE (SIZE NOTED) PROPOSED INLINE GATE VALVE PER JCSD STD. NO. B-1 (LINE SIZE)

PROPOSED AIR VALVE PROPOSED BLOW-OFF

NEW WATER SERVICE AND METER

EXISTING UNDERGROUND ELECTRIC LINE EXISTING SEWER MAIN (SIZE NOTED) ——24" SD —— EXISTING STORM DRAIN (SIZE NOTED)

> EXISTING GAS LINE (SIZE NOTED) EXISTING UNDERGROUND TELEPHONE LINE

EXISTING WATERLINE (SIZE NOTED) EXISTING CURB AND GUTTER EXISTING RIGHT-OF-WAY LINE

EXISTING PROPERTY/LOT LINE EXISTING WATER VALVE (GENERAL)

EXISTING AIR VALVE EXISTING BLOW-OFF CENTERLINE

₩ — — EXISTING FIRE HYDRANT EXISTING EDGE OF PAVEMENT

FLOWLINE DRAINAGE SWALE OR DITCH EXISTING TELEPHONE RISER

EXISTING MONUMENT

EXISTING SEWER MANHOLE EXISTING WATER SERVICE AND METER

EXISTING MAILBOX

PROPOSED BUTTERFLY VALVE

CITY OF EASTVALE SURFACE REPAIR NOTES

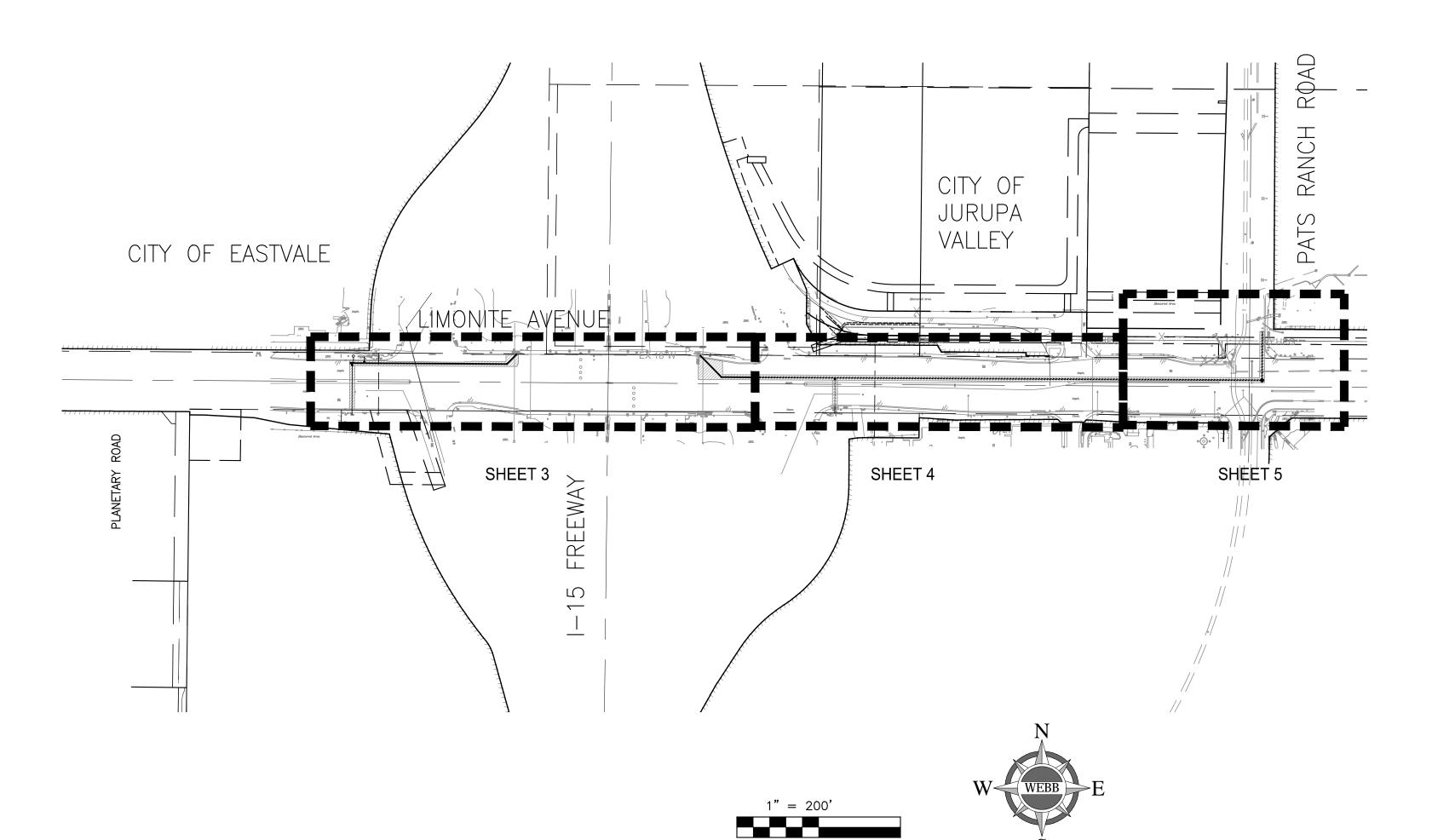
- 1. PAVEMENT RESTORATION FOR WORK WITHIN THE CITY OF EASTVALE SHALL BE IN ACCORDANCE WITH CITY OF EASTVALE STANDARDS.
- REPLACEMENT ASPHALT CONCRETE TO PAVEMENT SHALL BE 1 INCH GREATER THAN EXISTING AC PAVEMENT THICKNESS OR 5 INCHES THICK WHICHEVER IS GREATER. THE DEPTH OF THE COMPACTED LIFT SHALL NOT BE GREATER THAN 4 INCHES.
- AFTER THE EXCAVATION HAS BEEN BACKFILLED THE EXISTING PAVEMENT SHALL BE REMOVED TO A LINE AT LEAST 12 INCHES BACK OF THE FIRM BANKS OF THE TRENCH "T-CUT". EXISTING CMB OR CAB BASE MATERIAL IN THIS AREA SHALL BE COMPACTED TO 95% RELATIVE DENSITY AND NEW BASE MATERIAL SHALL BE PROVIDED WITH CAB. WHERE NO BASE MATERIAL EXISTS IN THIS AREA, THE NEW BASE MATERIAL SHALL EXTEND BEYOND THE TRENCH WIDTH TO COVER THE ENTIRE "T-CUT" AREA. IF THE EDGE OF THE *T-CUT* IS LESS THAN 5 FEET FROM THE GUTTER LIP, A FULL SECTION OF AC PAVEMENT SHALL BE REMOVED AND REPLACED PER REQUIREMENT 2 HEREIN.
- 4. NEW BASE MATERIAL OF CAB SHALL MATCH THE EXISTING BASE THICKNESS, OR 7 INCHES WHICHEVER IS GREATER AND SHALL BE COMPACTED TO 95% RELATIVE DENSITY. THIS REQUIREMENT SHALL ALSO APPLY OVER THE SLURRY BACKFILLS UNLESS OTHERWISE APPROVED BY THE ENGINEER. "T-CUT" IS NOT REQUIRED IF AN APPROVED SLURRY MIX BACKFILL IS USED, UNLESS UNDERMINING OF ADJACENT PAVEMENT IS PRESENT. IF SLURRY TRENCH WIDTH IS LESS THAN 12 INCHES, EXISTING PAVEMENT SHALL BE REMOVED TO PROVIDE AT LEAST A 12 INCH WIDE TRENCH SECTION FOR PROPER COMPACTION OF THE BASE MATERIAL.
- 5. ASPHALT CONCRETE PAVING WILL OCCUR NO SOONER THAN 42 HOURS AFTER SLURRY BACKFILL OF TRENCH.
- 6. EXISTING ASPHALT CONCRETE SHALL BE GROUND DOWN 2 INCHES, OR ONE HALF THE EXISTING PAVEMENT THICKNESS, WHICHEVER IS LESS, TO THE "T-CAP" LIMITS.
- 7. ALL CAP AC PAVEMENT SHALL BE ARHM-GG-C WITH PG 64-16 AND IS SUBJECT TO THE ENGINEERS APPROVAL AC USED FOR PERMANENT RESURFACING SHALL BE C2-PG 70-10 FOR THE CAP WHERE RUBBERIZED ASPHALT IS NOT REQUIRED. ALL AC MIXES ARE SUBJECT TO APPROVAL BY THE ENGINEER.
- 8. "T-CAP" LIMITS SHALL EXTEND AT LEAST 4 FEET BEYOND THE TRENCH SECTION ("T-CUT" LIMITS). "T-CAP" LIMITS SHALL INCREASE IN A HALF-LANE INCREMENTS. CHANGES TO OVERLAY WIDTHS AND AREA MAY BECOME NECESSARY DUE TO DISCREPANCIES BETWEEN PLANS AND EXISTING FIELD CONDITIONS, PROPOSED EXCAVATION ENCROACHING UPON ADDITIONAL ROAD LANES, UNANTICIPATED DAMAGE TO A ROAD CAUSED BY CONTRACTOR AND OTHER SIMILAR CONSIDERATIONS. ANY AND ALL SUCH ADDITIONAL PAVING REQUIREMENTS DEEMED NECESSARY BY THE CITY WILL BE PERFORMED AT THE FULL EXPENSE OF THE PERMITTEE.
- 9. "T-CUT" AND CORRESPONDING "T-CAP" (AS APPLICABLE) IS REQUIRED FOR ALL EXCAVATIONS.
- 10. WHERE LIMITS OF "T-CUTS", "T-CAPS", POT HOLES OR CORED HOLES OR CORED HOLES ARE WITHIN 10 FEET OF EACH OTHER, THE PAVEMENT SURFACE RESTORATION SHALL BE COMBINED, BLENDED AND SQUARED USING "T-CAPS". "T-CAP" LIMITS FOR POT HOLES AND CORE HOLES SHALL EXTEND A MINIMUM IF 2 FEET ALL AROUND BEYOND THE HOLES.
- 11. PAVEMENT SHALL BE LEVEL WITH ADJACENT ROADWAY ELEVATIONS AND SHALL PROVIDE A SMOOTH SURFACE PER GREENBOOK SECTION 302-5.6.2. FINAL PAVEMENT BELOW THE EXISTING SURFACE WILL NOT BE ACCEPTED. FINISH COURSE WITH DEVIATIONS EXCEEDING THE ABOVE REQUIREMENTS SHALL BE REMOVED AND REPLACED.
- 12. "T-CAP" AND PERMANENT BASE PAVING MAY BE PERFORMED ON THE SAME DAY WHEN FEASIBLE.
- 13. IF EXISTING STRIPING AND PAVEMENT MARKINGS ARE DISTURBED. THEY SHALL BE RESTORED TO MATCH EXISTING.

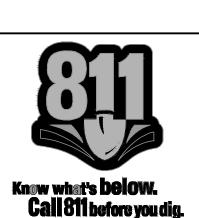
GENERAL SURFACE REPAIR NOTES

- 1. ALL WORK IS TO BE ACCOMPLISHED WITHIN CITY OF JURUPA VALLEY ROAD RIGHT OF WAY ONLY. WHENEVER CONSTRUCTION EXTENDS WITHIN PRIVATE PROPERTY, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SECURE PERMISSION FROM ABUTTING PROPERTY OWNERS PRIOR TO STARTING WORK. WRITTEN NOTICE OF APPROVAL IS REQUIRED.
- 2. CLEATED TRACK LAYING CONSTRUCTION EQUIPMENT & MECHANICAL OUTRIGGERS SHALL NOT BE PERMITTED TO OPERATE ON ANY PAVED SURFACE UNLESS FITTED WITH SMOOTH FACED STREET PADS/RUBBER STREET SHOES. ONLY RUBBER TIRED EQUIPMENT SHALL BE USED IN BACKFILL OPERATIONS IN PAVED AREAS.
- 3. ALL STREET CROSSINGS SHALL BE CUT IN HALF-STREET SECTIONS TO FACILITATE THE FLOW OF TRAFFIC. UNDER NO CIRCUMSTANCES SHALL WORK BE PERFORMED ON THESE CROSSINGS ON WEEKENDS OR HOLIDAYS, UNLESS OTHERWISE SPECIFIED, ALL TRAFFIC PLATES LEFT MUST BE NON-SLIP RATED PLATES AND
- 4. OPEN TRENCHES SHALL BE ATTENDED AND PROTECTED BY CONTRACTOR'S PERSONNEL AT ALL TIMES. AT THE CLOSE OF EACH WORK DAY, ALL EXCAVATIONS WITHIN THE PAVED AREAS SHALL BE BACKFILLED. COMPACTED. & SURFACED PAVED WITH TWO INCHES OF SC800 TEMPORARY ASPHALT, UNLESS OTHERWISE APPROVED BY THE CITY. THE CITY MAY ALSO APPROVE PROTECTION OF APPROPRIATE AREAS OF TRENCH BY PLATE BRIDGING AND/OR PROTECTIVE FENCING.
- 5. THE CONTRACTOR SHALL REMOVE ANY SURPLUS MATERIAL RESULTING FROM BACKFILL/EXCAVATION OPERATIONS FROM THE RIGHT OF WAY AND BROOM CLEAN ALL PAVED SURFACES OF EARTH & OTHER OBJECTIONABLE MATERIALS IMMEDIATELY AFTER BACKFILL & COMPACTION. THE CONTRACTOR SHALL ACCEPT FULL RESPONSIBILITY FOR COMPLYING WILL ALL NDPES LAWS, REGULATIONS, AND REQUIREMENTS.
- 6. AC CAPS SHALL BE 0.12-FOOT MINIMUM THICKNESS AND SHALL BE PERFORMANCE GRADE (PG) ASPHALT PER RIVERSIDE COUNTY ORDINANCE 461, SECTION 11. ASPHALT DIKES SHALL BE PG 70-10 PAVING ASPHALT, 3/8-INCH MAXIMUM, MEDIUM GRADING.
- 7. THE CONTRACTOR SHALL INSTALL A SEAL ARMOR COAT CONSISTING OF APPLICATION BINDER & SCREENING FOR ALL PATCH AREAS WITH EXISTING SEAL COAT, APPLIED AS SPECIFIED IN RIVERSIDE COUNTY ORDINANCE 461, SECTION 13. A CHIP SEAL ARMOR COAT CONSISTING OF APPLICATION BINDER AND SCREENING SHALL BE APPLIED FOR ALL PATCH AREAS WITH EXISTING CHIP SEAL COAT, APPLIED AS SPECIFIED IN SECTION 37, CALIFORNIA STANDARD SPECIFICATIONS, LATEST ED.
- 8. IF THE EXISTING PAVEMENT ADJACENT TO THE TRENCH IS SCARRED, SPALLED, BROKEN, OR REMOVED DURING CONSTRUCTION, THE CONTRACTOR IS REQUIRED TO REMOVE AND REPLACE THE PAVEMENT IN ACCORDANCE WITH THE PAVEMENT SPECIFICATIONS OF THE PERMIT. AND PLACE A 0.12-FOOT OVERLAY (& SEAL COAT) THE ENTIRE WIDTH OF ONE TRAFFIC LANE. IF THE WORK ENCROACHES OVER MORE THAN ONE LANE. THE ENTIRE WIDTH OF EACH LANE SHALL RECEIVE THE PAVING CAP: ALL AT NO ADDITIONAL COST TO OWNER.
- 9. SHOULD EXISTING ROLLED BERM OR AC DIKE BE DISTURBED, THE CONTRACTOR SHALL REPLACE AS DIRECTED BY CITY INSPECTOR, IN ACCORDANCE WITH ORDINANCE 461.
- 10. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO RESTORE ALL TRAFFIC SIGNING AND STRIPING/PAVEMENT MARKINGS DISTURBED AS A RESULT OF CONSTRUCTION. TRAFFIC SIGNING & STRIPING SHALL BE COMPLETED BY THE CONTRACTOR, UNLESS OTHERWISE APPROVED BY THE CITY, WITH ALL INCURRED COSTS BORNE BY THE CONTRACTOR.
- 11. CONTRACTOR SHALL ADHERE TO ALL ADDITIONAL REQUIREMENTS STATED IN APPLICABLE CITY OF EASTVALE

ABBREVIATIONS

ABAND ABANDON AH. AHEAD STATION AMERICAN NATIONAL STANDARDS INSTITUTE ANSI AMERICAN SOCIETY FOR TESTING MATERIALS A.V AIR VALVE AMERICAN WATER WORKS ASSOCIATION AWWA B.C. BEGIN CURVE BFV BUTTERFLY VALVE BK. BACK STATION BLD FLG BLIND FLANGE B.0. BLOW OFF BOT воттом CIP CURED IN PLACE CIPP CURED IN PLACE PIPE CATHODIC TEST STATION CTS CLEAN OUT CML/CMC CEMENT MORTAR LINED/CEMENT MORTAR COATED COUPLING DIP DUCTILE IRON PIPE E.C. END CURVE ELECTRICAL ESMT. EASEMENT EX. EXIST FΗ FIRE HYDRANT FLG. FLANGE OR FLANGED **FLOWLINE** FO FIBER OPTIC GAS LINE OR SERVICE GPM GALLONS PER MINUTE GV GATE VALVE HORIZONTAL POINT OF INTERSECTION IPS IRON PIPE SIZE JURUPA COMMUNITY SERVICES DISTRICT MB MAILBOX МН MANHOLE POINT OF COMPOUND CURVE POINT OF REVERSE CURVE P.E. POLYETHYLENE PVC POLYVINYL CHLORIDE RED REDUCER RJ RESTRAINED JOINT SEWER MAIN OR HOUSE LATERAL SD STORM DRAIN ST. LT. STREET LIGHT





SWR

VCP

VPI

SEWER

UNDERGROUND

VITRIFIED CLAY PIPE

WELDED STEEL PIPE

WATER MAIN OR SERVICE

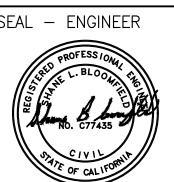
TELEPHONE CABLE OR CONDUIT

VERTICAL POINT OF INTERSECTION

WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED.

HE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR SSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON IN THE EVENT OF DISCREPANCIES ARISING AFTER JCSD APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY JCSD.

Λ	SLB	4/17/25	ADDENDUM NO. 3 REVISION LABELING BID SCHEDULE			SE
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SUPERVISION OF:

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ENGINEERING CONSULTANTS 3788 McCRAY STREET RIVERSIDE CA. 92506 PH. (951) 686-1070 FAX (951) 788-1256

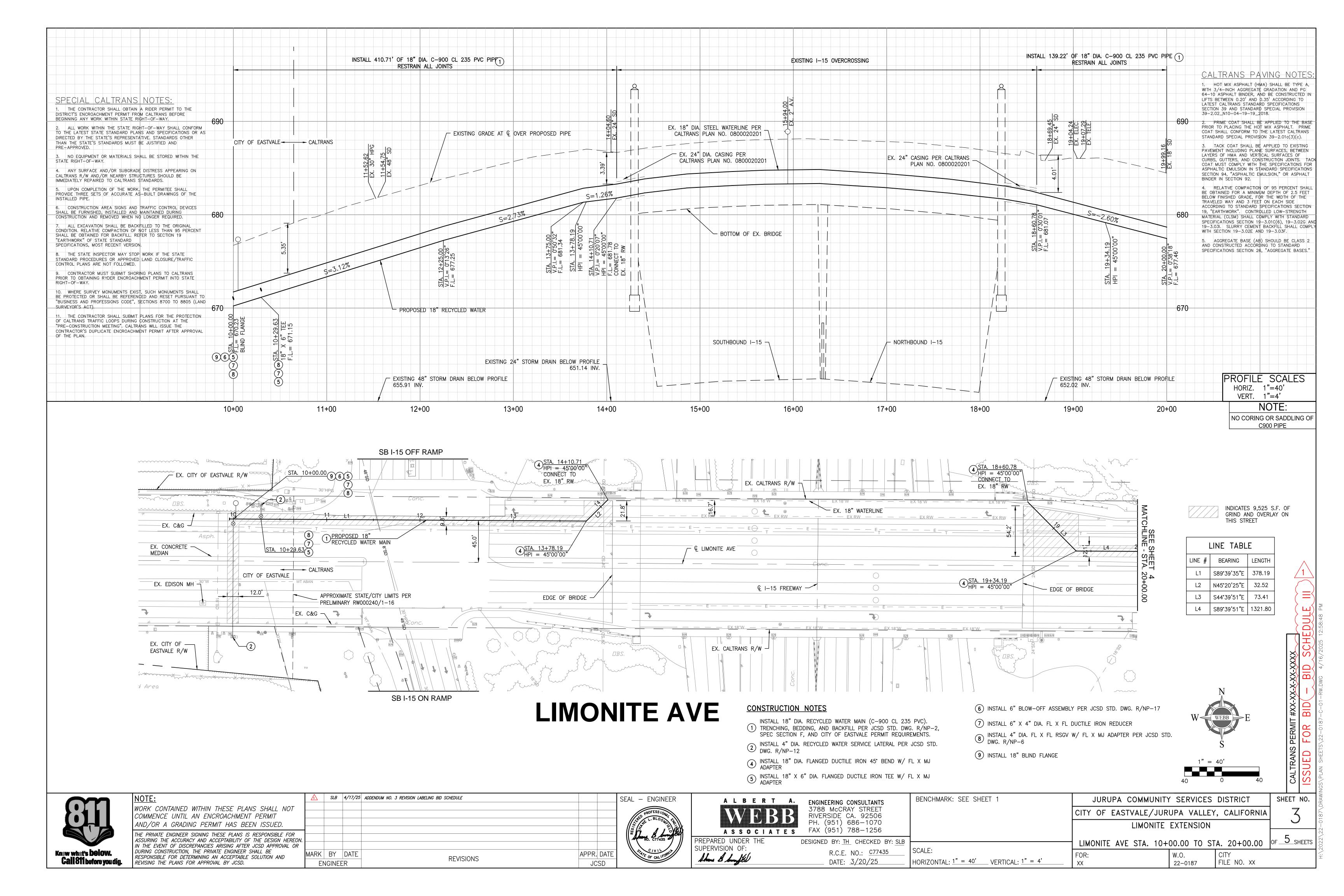
DESIGNED BY: TH CHECKED BY: SLB R.C.E. NO.: <u>C77435</u> DATE: 3/20/25HORIZONTAL: 1" = 40' VERTICAL: 1" = 4'

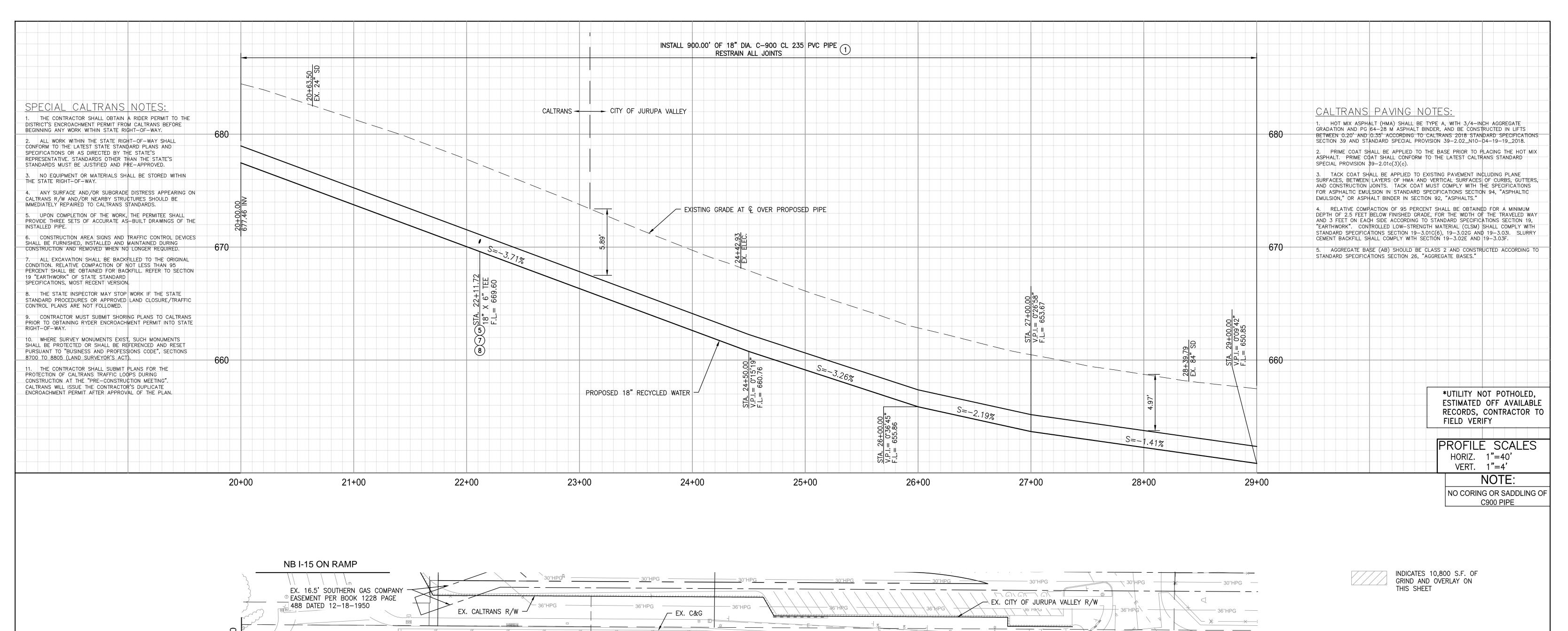
BENCHMARK: SEE SHEET 1 JURUPA COMMUNITY SERVICES DISTRICT CITY OF EASTVALE/JURUPA VALLEY, CALIFORNIA LIMONITE EXTENSION NOTES, LEGEND, ABBREVIATIONS, AND INDEX SHEET OF SHEETS

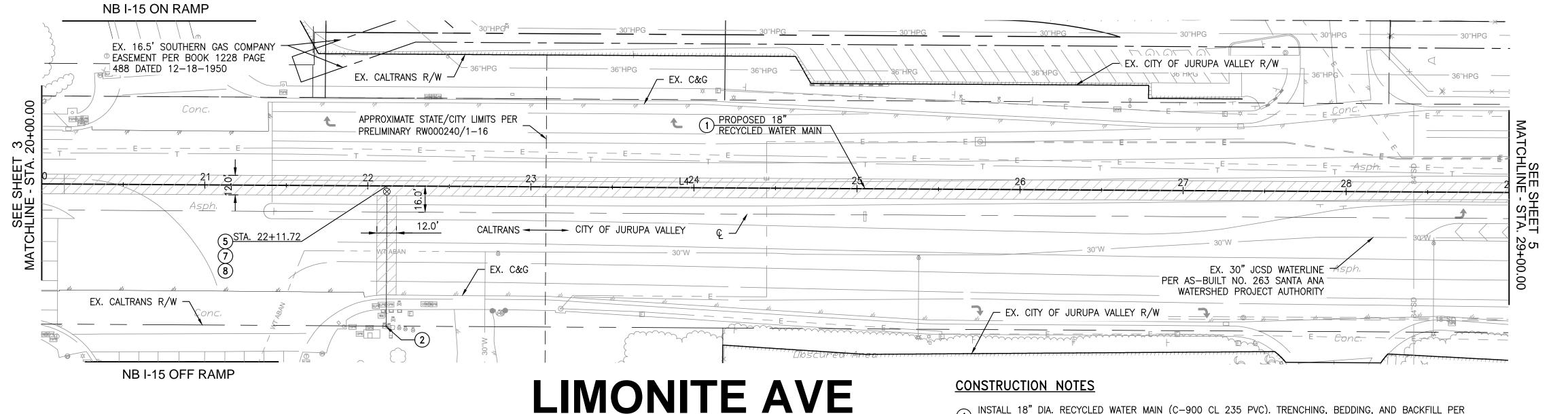
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SHEET NO.

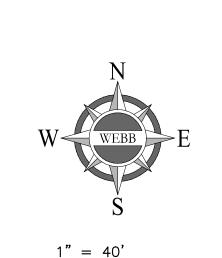
FILE NO. XX







- INSTALL 18" DIA. RECYCLED WATER MAIN (C-900 CL 235 PVC). TRENCHING, BEDDING, AND BACKFILL PER JCSD STD. DWG. R/NP-2, SPEC SECTION F, AND CITY OF EASTVALE PERMIT REQUIREMENTS.
- (2) INSTALL 4" DIA. RECYCLED WATER SERVICE LATERAL PER JCSD STD. DWG. R/NP-12
- (5) INSTALL 18" X 6" DIA. FLANGED DUCTILE IRON TEE W/ FL X MJ ADAPTER
- 7) INSTALL 6" X 4" DIA. FL X FL DUCTILE IRON REDUCER
- (8) INSTALL 4" DIA. FL X FL RSGV W/ FL X MJ ADAPTER PER JCSD STD. DWG. R/NP-6

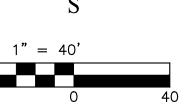


LINE TABLE

BEARING

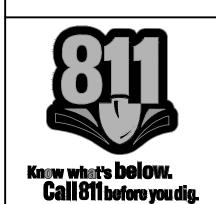
S89°39'51"E | 1321.80

LENGTH



FILE NO. XX

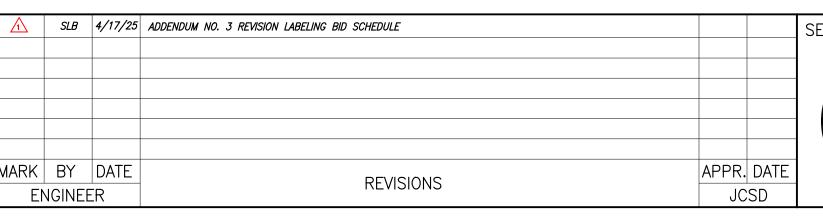
SHEET NO.



WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT NND/OR A GRADING PERMIT HAS BEEN ISSUED HE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR SURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER JCSD APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE

RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND

REVISING THE PLANS FOR APPROVAL BY JCSD.







Show B boufled

RIVERSIDE CA. 92506 PH. (951) 686-1070 FAX (951) 788-1256 DESIGNED BY: TH CHECKED BY: SLB

ENGINEERING CONSULTANTS

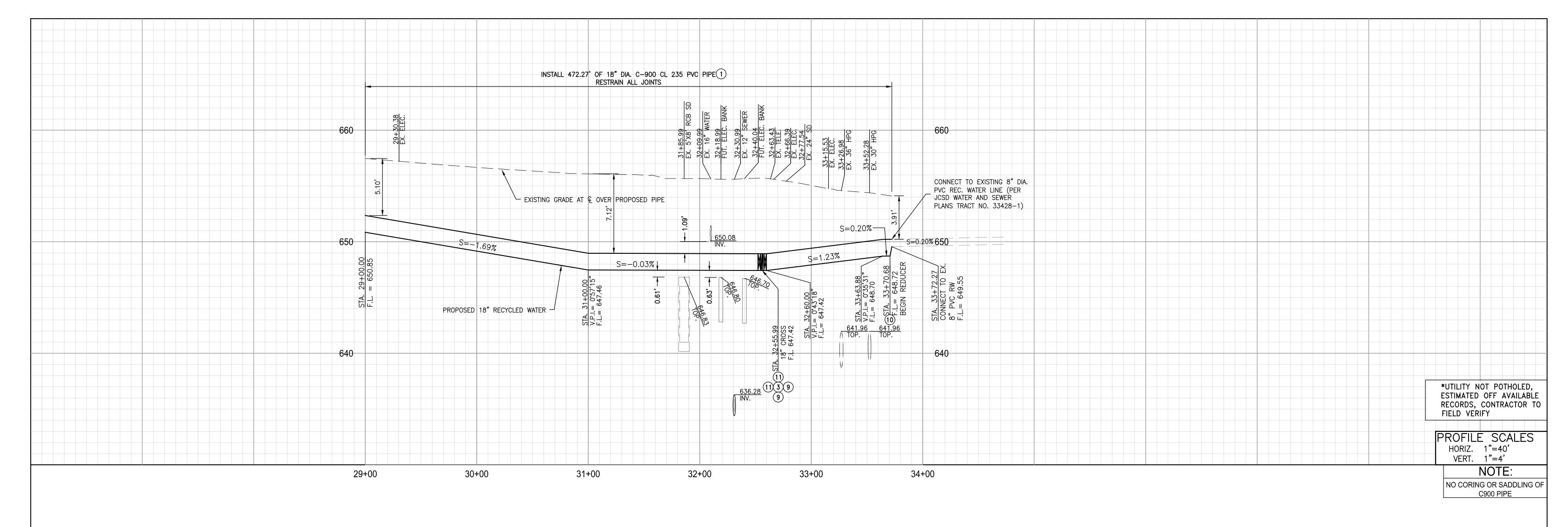
3788 McCRAY STREET

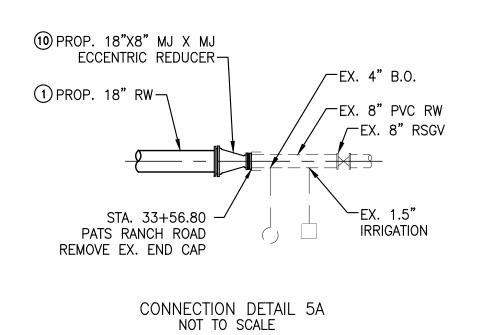
HORIZONTAL: 1" = 40' VERTICAL: 1" = 4'

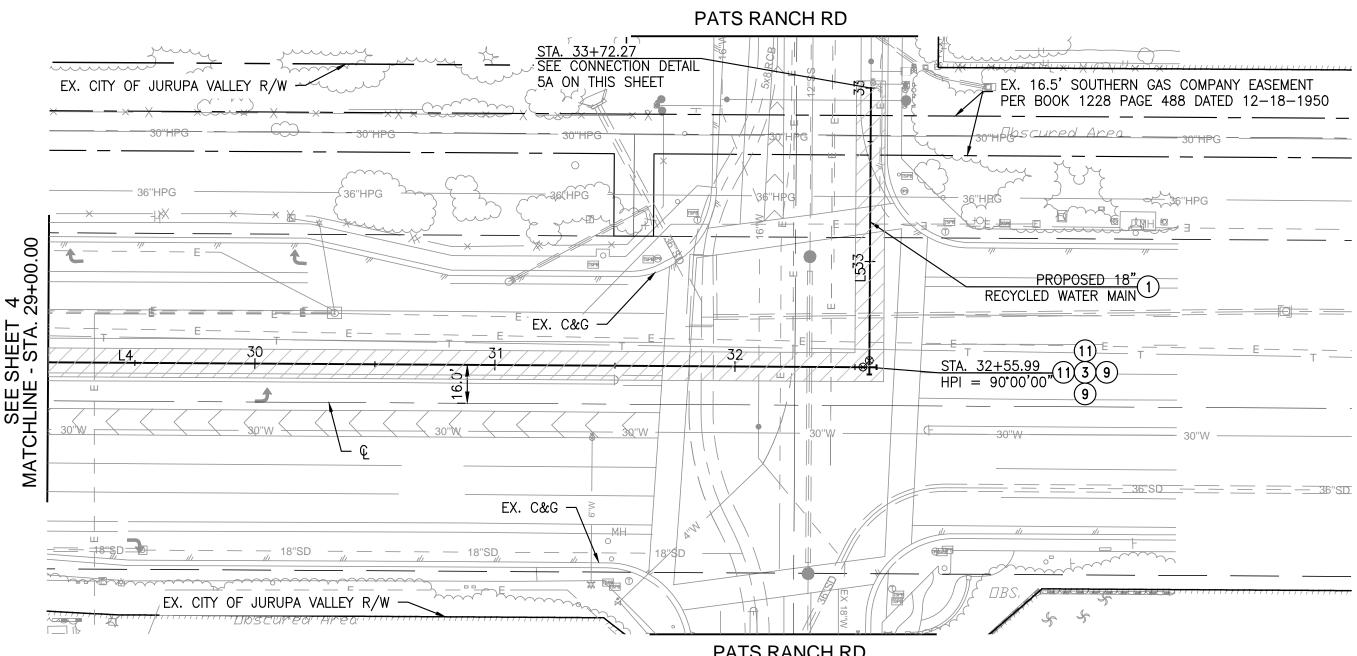
BENCHMARK: SEE SHEET 1	JURUPA COMMUNITY SERVICES DISTRICT
	CITY OF EASTVALE/JURUPA VALLEY, CALIFORNI
	LIMONITE EXTENSION

LIMONITE AVE STA. 20+00.00 TO STA. 29+00.00 OF 5 SHEETS

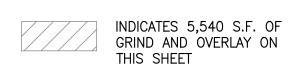
R.C.E. NO.: <u>C77435</u> DATE: 3/20/25







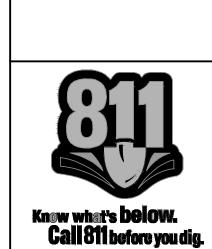
LIMONITE AVE.



LINE TABLE				
LINE #	BEARING	LENGTH		
L4	S89°39'51"E	1321.80		
L5	N00°20'09"E	116.27		

CONSTRUCTION NOTES

- INSTALL 18" DIA. RECYCLED WATER MAIN (C-900 CL 235 PVC). TRENCHING, BEDDING, AND BACKFILL PER JCSD STD. DWG. R/NP-2, SPEC SECTION F, AND CITY OF EASTVALE PERMIT REQUIREMENTS.
- (3) INSTALL 18" DIA. FLANGED DUCTILE IRON CROSS W/ FL X MJ ADAPTER
- (9) INSTALL 18" BLIND FLANGE
- (10) INSTALL 18" X 8" DIA. MJ X MJ DUCTILE IRON REDUCER
- (1) INSTALL 18" DIA. DUCTILE IRON BUTTERFLY VALVE

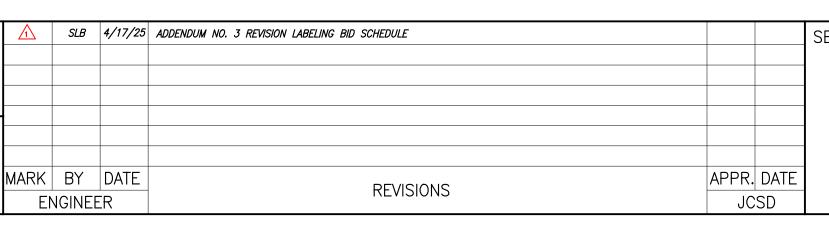


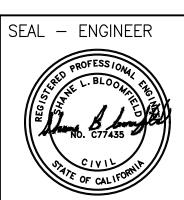
WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED.

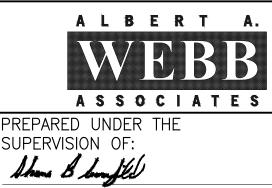
THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER JCSD APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE

RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND

REVISING THE PLANS FOR APPROVAL BY JCSD.







ENGINEERING CONSULTANTS
3788 McCRAY STREET
RIVERSIDE CA. 92506
PH. (951) 686-1070
FAX (951) 788-1256

DESIGNED BY: TH CHECKED B

DESIGNED BY: <u>TH</u> CHECKED BY: <u>SLB</u>

R.C.E. NO.: <u>C77435</u>

DATE: <u>3/20/25</u>

HORIZONTAL: <u>1" = 40'</u> VERTICAL: <u>1" = 4'</u>

CHMARK: SEE SHEET 1	JURUPA COMMUNITY SERVICES DISTRICT
	CITY OF EASTVALE/JURUPA VALLEY, CALIFORNIA
	LIMONITE EXTENSION
	LIMONITE AVE STA. 29+00.00 TO STA. 33+58.39

OF SHEETS SOED FO

CITY FILE NO. XX

ATTACHMENT B

PROPOSAL DOCUMENTS

TABLE OF CONTENTS OF BIDDING DOCUMENTS

			<u>Page</u>
В.	BIDDER	'S PROPOSAL WITH SUPPORTING DOCUMENTS	P-1
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	2.	Bidder's Plan for Construction	P-3
	3.	Bidder's Statement of Experience, Financial Condition and References	P-6
	4.	Bidding Sheet	P-7
		Bid Item Schedule	P-8
	5.	Bidder's Statement	P-29
	6.	Non-Collusion Declaration	P-31
	7.	Bid Bond	P-33
	8.	Iran Contracting Act Certification	P-34
	9	Executive Order N-6-22 Certification	P-35

BIDDER'S PROPOSAL WITH SUPPORTING DOCUMENTS

JURUPA COMMUNITY SERVICES DISTRICT RECYCLED WATER PROGRAM – SEGMENT 2 JCSD PROJECT NO. C215078

TO THE PRESIDENT OF THE BOARD OF DIRECTORS, JURUPA COMMUNITY SERVICES DISTRICT ("THE OWNER")

PROPOSAL

The undersigned proposes to furnish all labor, materials, (except those materials to be furnished by Owner) equipment and methods necessary to properly construct and complete for the Owner the <u>Jurupa Community Services District Recycled Water</u> Program – Segment 2 DPN C215078

as set forth in the Bidding Sheet, and in accordance with Bidder's Plan for Construction accompanying this proposal and incorporated herein by reference. The undersigned also declares that, as bidder, we have carefully examined the location of the proposed work, and have read and examined the Contract (including the Special Requirements, Basic Specifications, Technical Specifications, and Drawings and other documents incorporated therein by reference).

The undersigned hereby declares, as bidder, that the only persons or parties interested in this proposal as principals are those named herein, that this bid is made without any connection with any other person or persons making a bid for the same purposes; except for any other division of the undersigned which may submit an independent bid; that the bid is in all respects fair and without collusion or fraud; that the bidder has read the Notice Inviting Bids and the Instruction to Bidders and agrees to all the stipulations contained therein; that the bidder has examined the form of Contract, (including the Special Requirements, Basic Specifications, Technical Specifications, and Drawings and other documents incorporated therein by reference); that in exchange for consideration of their bid proposal by the Owner the bidder proposes, in the event their bid as submitted on the attached and incorporated Bidding Documents be accepted by the Owner, to contract in the said form to furnish and provide the items mentioned in this proposal and in the said form of Contract and in the Special Requirements, Basic

Specifications, Technical Specifications, and Drawings, and to furnish and provide the same within the time stipulated therein; and the bidder will accept as full payment therefor the prices named in said Bidding Sheet.

The Bidder further agrees that they shall execute such Contract within ten (10) days from the date of mailing to them of written notice of the Owner's acceptance of this proposal and within same time shall furnish the required faithful performance bond or securities as permitted by Code of Civil Procedure Section 995.710, the labor and material payment bond, and certificates of insurance and endorsements, and that upon failure to do so within said time, then the proposal guarantee accompanying this proposal shall become the property of the Owner as liquidated damages for such failure or refusal and shall be deposited as monies belonging to the Owner; provided, that if said Bidder shall execute the Contract and furnish the required bonds and certificates of insurance and endorsements within the time aforesaid, their proposal guarantee shall be returned to them upon request within ten (10) days thereafter or otherwise destroyed if so requested.

In submitting a bid to a public purchasing body, the bidder offers and agrees that if the bid is accepted, it will assign to the purchasing body all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Section 15) or under the Cartwright Act (Chapter 2 of Part 2 of Division 7 of the Business and Professions Code), arising from purchases of goods, materials, or services by the bidder for sale to the purchasing body pursuant to the bid. Such assignments shall be made and become effective at the time the purchasing body tenders final payment to the bidder.

2. BIDDER'S PLAN FOR CONSTRUCTION

Replies to these inquiries must be full and explicit.

Δ

Each hidder is required to inspect this proposed work. When, by whom, and in

what	manner was this proposed work inspected on behalf of the Bidder:
В.	Explain your plan or layout for performing the proposed work, including
desci	ription of any proposed construction plan and detail construction program
C. abou	List the name and address of each subcontractor who will perform work in o

C. List the name and address of each subcontractor who will perform work in or about the work or improvement, or who will specifically fabricate and install a portion of the work according to detailed drawings contained in the plans and specifications, in excess of one-half of one percent of your total bid, and a statement of the portion of the work which will be done by each subcontractor. Only one subcontractor may be listed for each portion of the work. Each subcontractor must be registered with the Department of Industrial Relations to perform public work. Failure to include a subcontractor's registration number may result in the bid being non-responsive.

Subcontractor (a):	
Name:	
Address:	
Portion of Work:	
License No:	
DIR Registration	
Number:	
Subcontractor (b):	
Name:	
Address:	
Portion of Work:	
License:	
DIR Registration	
Number:	
Subcontractor (c):	
Name:	
Address:	
Portion of Work:	
License:	
DIR Registration	
Number:	
O. d t (d).	
Subcontractor (d):	
Name:	
Address:	
Portion of Work:	
License:	
DIR Registration	
Number:	

D. For each subcontractor listed under paragraph C herein, provide the following information concerning years and examples of experience of each subcontractor's present organization in similar work:

NAME OF SUBCONTRACTOR	YRS OF EXPERIENCE OF SUBCONTRACTOR PRESENT ORGANIZATION	DATE OF COMPLETION OF SIMILAR JOBS (AT LEAST 2 COMPLETED) WITHIN PAST 3 YRS	NAMES AND ADDRESSES OF OWNERS OF LISTED SIMILAR JOBS
a	Yrs.	Job #1	
		Job #2	
b	Yrs.	Job #1	
		Job #2	
c	Yrs.	Job #1	
		Job #2	
d	Yrs.	Job #1	
		Job #2	

3. <u>BIDDER'S STATEMENT OF EXPERIENCE, FINANCIAL</u> <u>CONDITION AND REFERENCES</u>

How many years of experience in construction work has your organization had? _____

The following outline is a record of the undersigned Bidder's experience as described in Bidding Instructions – "Qualified Bidders" for projects of a type similar in magnitude and character to that contemplated under this Contract. Include the location of each project as well as the name, address, and phone number of the owner, and name of individual to contact.

1. Owner' Name:

1.	Owner' Name:		
	Contact Person:		
	Address of Owner:		
	Phone:		
	Project Description:		
	Pipe Diameter (in.):		
	Type of Pipe Installed:	Total Pipe Installed (ft.):	
	Amount of Contract:	Completion Date:	
_			
2.	Owner' Name:		
	Contact Person:		
	Address of Owner:		
	Phone:		_
	Project Description:		
	Pipe Diameter (in.):		
	Type of Pipe Installed:	Total Pipe Installed (ft.):	
	Amount of Contract:	Completion Date:	
3.	Owner' Name:		
٥.	Contact Person:		
	Address of Owner:		
	Phone:		
	Project Description:		
	Pipe Diameter (in.):		
	Type of Pipe Installed:	Total Pipe Installed (ft.):	
	Amount of Contract:	Completion Date:	

As a part of this supporting document, submit a signed financial statement, financial data, or other information and references sufficiently comprehensive to permit an appraisal of your financial condition. The Bidder may submit this supporting document in a sealed envelope labeled "CONFIDENTIAL".

4. BIDDING SHEET

a. Supplemental Instructions

1. Bidders are advised that:

- a. The Bidders shall submit a price for all bid item numbers under Bid Schedule I.
- b. Award, if made, will be for Bid Schedule I and will be made to one bidder only.
- c. All work under this Contract shall be completed in accordance with the Contract Completion Schedule(s) stated in the Special Requirements; AND THAT THE GENERAL CONDITIONS HEREIN CONTAINS A SECTION TITLED "LIQUIDATED DAMAGES".
- d. All contract construction shall be by an organization which has had successful demonstrable experience in the construction of facilities <u>OF THE TYPE</u> SPECIFIED, OR COMPARABLE.
- e. The Owner reserves the right to <u>vary</u> the amount of work under the Contract, and may add or deduct from the various bid numbers at the unit prices shown on the Bidding Sheet, and as a result of this prerogative, there will be no claim for damages or profits, real or anticipated.
- f. Bid items must include a proportional amount of profit, overhead, etc., within the bid price for each bid item number, since the schedule of bid item numbers under which award is to be made will be determined by Owner after bids have been received.
- g. The Bidder shall submit their proposal on the bidding documents within the separately bounded Bid Proposal Documents booklet (Volume II) containing the Notice Inviting Bids and the Proposal Documents.
- 2. <u>To complete this Bidding Sheet,</u> use the blanks provided to fill in the bid prices at which you propose to furnish the scheduled construction, including all labor, materials, (other than materials supplied by the Owner), equipment, work, and methods necessary to complete the work in accordance with the Contract Completion Schedule located in the Special Requirements. Fill in the figures for the unit prices, extensions and sum of extensions (Total Bid) for all Bid Schedules and/or Bid Items shown on the Bidding Sheet. Figures and words must be inserted for the "Total Bid". If any discrepancy exists, the Owner may recalculate the bid price on the basis of the unit price and bidder agrees to be bound by such recalculation.

b. Bid Item Schedule

The undersigned hereby proposes to furnish and install the following items of construction⁽¹⁾ for the Owner, all in strict accordance with the attached and/or incorporated Special Requirements, Basic Specifications, Technical Specifications, and Drawings, including all labor, materials, equipment, work, method, etc., necessary to complete the work in accordance with the stated completion schedule(s); for the following bid prices:

BID SCHEDULE I

JURUPA COMMUNITY SERVICES DISTRICT RECYCLED WATER PROGRAM – SEGMENT 2 JCSD PROJECT NO. C215078

14	000D 1 R00E01 No. 0210070						
Item <u>No.</u>	Description	<u>Qty.⁽¹⁾</u>	<u>Unit</u>	Unit Bid <u>Price*</u>	Bid <u>Extension*</u>		
101	Mobilization, Demobilization, Insurance, Bonds and Preconstruction Video ⁽²⁾		LS		\$		
102	Pothole existing utilities at all crossings, and adjacent to proposed alignment, confirm connection points and provide pothole report prior to construction	400	EA	\$	\$		
103	18" dia. C-900 PVC recycled purple watermain w/tracer wire, ductile iron fittings, blind flanges and thrust restraints (horizontal station length).	9,975	LF	\$	\$		
104	8" dia. C-909 PVC recycled purple watermain w/tracer wire, ductile iron fittings, blind flanges, and thrust restraints (horizontal station length).	6,400	LF	\$	\$		

⁽¹⁾Quantities (except for "Lump Sum" item numbers) are estimated and are for the purpose of comparing bids only. Payment will be based upon actual quantities furnished, installed or constructed in accordance with the Contract Documents.

^{*}The above prices include any amount payable by the Owner for taxes by reason of this contract.

⁽²⁾Payment shall not exceed 5% of total for Bid Schedule. Initial payment of 50% for mobilization, then payment of 25% upon halfway through the project and the final 25% payment during demobilization.

Item <u>No.</u>	<u>Description</u>	<u>Qty.(1)</u>	<u>Unit</u>	Unit Bid <u>Price*</u>	Bid Extension*
105	Installation of Geotextile Fabric associated with installation of 18" dia. piping.	9,975	LF	\$	\$
106	Installation of Geotextile Fabric associated with installation of 8" dia. piping.	6,400	LF	\$	\$
107	18" dia. Butterfly Valve per JCSD Std. Dwg. No. R/NP-7	15	EA	\$	\$
108	8" dia. R.S. Gate Valve per JCSD Std. Dwg. No. R/NP-6	9	EA	\$	\$
109	18" dia. High Deflection Coupling	25	EA	\$	\$
110	8" dia. High Deflection Coupling	5	EA	\$	\$
111	3" dia. Air Valve Assembly per JCSD Std. Dwg. No. R/NP-13 (including guard posts)	14	EA	\$	\$
112	2" dia. Air Valve Assembly per JCSD Std. Dwg. No. R/NP-12 (including guard posts)	5	EA	\$	\$
113	Modification to existing recycled water air valves, as described in the Special Requirements of these Specifications	5	EA	\$	\$

¹⁾Quantities (except for "Lump Sum" item numbers) are estimated and are for the purpose of comparing bids only. Payment will be based upon actual quantities furnished, installed or constructed in accordance with the Contract Documents.

^{*}The above prices include any amount payable by the Owner for taxes by reason of this contract.

Item <u>No.</u>	<u>Description</u>	<u>Qty.(1)</u>	<u>Unit</u>	Unit Bid <u>Price*</u>	Bid <u>Extension*</u>
114	4" dia. Blow-off per JCSD Std. Dwg. No. R/NP-15 (including guard posts) as needed.	6	EA	\$	\$
115	6" dia. Blow-off per JCSD Std. Dwg. No. R/NP-18 and ductile iron tee outlet (including guard posts) as needed.	14	EA	\$	\$
116	Install 1" Service Lateral, Meter Box, 1" Meter, thrust restraints, traffic control, and dewatering	2	EA	\$	\$
117	Install 1.5" Service Lateral, Meter Box, 1.5" Meter, thrust restraints, traffic control, and dewatering	7	EA	\$	\$
118	Install 2" Service Lateral, Meter Box, 2" Meter, thrust restraints, traffic control, and dewatering	9	EA	\$	\$
119	Install 4" Service Lateral, utilize existing meter box and existing 3" meter, thrust restraints, traffic control, and dewatering	2	EA	\$	\$
120	Install 6" Service Lateral, 4" Meter, new meter vault, thrust restraints, traffic control, and dewatering	1	EA	\$	\$

¹¹Quantities (except for "Lump Sum" item numbers) are estimated and are for the purpose of comparing bids only. Payment will be based upon actual quantities furnished, installed or constructed in accordance with the Contract Documents.

^{*}The above prices include any amount payable by the Owner for taxes by reason of this contract.

Item <u>No.</u>	<u>Description</u>	<u>Qty.⁽¹⁾</u>	<u>Unit</u>	Unit Bid <u>Price*</u>	Bid Extension*
121	Abandon existing water meter service laterals 2 ½ " and smaller per Drawing D-9 including trenching, backfill, fittings, temporary pavement repair, permanent pavement repair, traffic control and shutdown / dewatering	14	EA	\$	\$
122	Abandon existing water meter service laterals 3-in and larger per Drawing D-9 including trenching, backfill, fittings, temporary pavement repair, permanent pavement repair, traffic control and shutdown / dewatering	6	EA	\$	\$
123	65th St Sta. 100+43.55 Potable Water Connection, including piping, backflow device, fittings, thrust restraints, valves, traffic control and dewatering	1	LS	\$	\$
124	Archibald Ave Sta. 16+83.85 Potable Water Connection, including piping, backflow device, fittings, thrust restraints, valves, traffic control and dewatering (Sheet 17)	1	LS	\$	\$
125	Furnish and install additional 8- inch diameter siphon not shown on plans, including 4-45 degree fittings as required to clear existing utility.	5	EA	\$	\$

¹⁾Quantities (except for "Lump Sum" item numbers) are estimated and are for the purpose of comparing bids only. Payment will be based upon actual quantities furnished, installed or constructed in accordance with the Contract Documents.

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Item <u>No.</u>	<u>Description</u>	<u>Qty.(1)</u>	<u>Unit</u>	Unit Bid <u>Price*</u>	Bid Extension*
126	Furnish and install additional 18-inch siphon not shown on plans, including 4-45 degree fittings as required to clear existing utility.	5	EA	\$	\$
127	Owner directed installation of 8-inch diameter pipeline at flowline depth between 1.1 feet and 2.0 feet deeper (additive)/shallower (deductive) than shown at bid time. Variation between 0.1-feet to 1.0 foot is no charge to the District.	1,250	LF	\$	\$
128	Owner directed installation of 8- inch diameter pipeline at flowline depth between 2.1 feet and 3.0 feet deeper (additive)/shallower (deductive)than shown at bid time.	750	LF		\$
129	Owner directed installation of 18-inch diameter pipeline at flowline depth between 1.1 feet and 2.0 feet deeper (additive)/shallower (deductive) than shown at bid time. Variation between 0.1-feet to 1.0 foot is no charge to the District.	1,500	LF		\$
130	Owner directed installation of 18-inch diameter pipeline at flowline depth between 2.1 feet and 3.0 feet deeper (additive)/shallower (deductive)than shown at bid time.	1,000	LF	\$	\$

¹⁾Quantities (except for "Lump Sum" item numbers) are estimated and are for the purpose of comparing bids only. Payment will be based upon actual quantities furnished, installed or constructed in accordance with the Contract Documents.

^{*}The above prices include any amount payable by the Owner for taxes by reason of this contract.

Item <u>No.</u>	<u>Description</u>	Qty.(1)	<u>Unit</u>	Unit Bid <u>Price*</u>	Bid <u>Extension*</u>
131	Backfill, compact, restore mainline	16,375	LF	\$	\$
132	Sand bedding for mainline trench per specifications and modified JCSD Std. Dwg. No. A-1 including import sand, export and disposal of native materials	16,375	LF	\$	\$
133	Trenching, excavation, sheeting, shoring and bracing for protection of life and limb per OSHA Standards	1	LS	\$	\$
134	Pavement removal, disposal and replacement (mainline trench) per City of Eastvale Encroachment Permit and per Specifications	16,375	LF	\$	\$
135	0.10' grind and overlay of asphalt concrete capping of streets per City of Eastvale Encroachment Permit and per Specifications.	530,000	SF	\$	\$
136	Remove and replace existing cross gutters, drains, curbs, driveways, sidewalks, mailboxes in kind	1	LS		\$
137	Replace any impacted traffic loops	1	LS		\$
138	Construction water, and associated piping, fittings, thrust restraints, back-flow assemblies, meter deposits, equipment, valves.	1	LS		\$

¹⁾Quantities (except for "Lump Sum" item numbers) are estimated and are for the purpose of comparing bids only. Payment will be based upon actual quantities furnished, installed or constructed in accordance with the Contract Documents.

^{*}The above prices include any amount payable by the Owner for taxes by reason of this contract.

Item <u>No.</u>	<u>Description</u>	<u>Qty.(1)</u>	<u>Unit</u>	Unit Bid <u>Price*</u>	Bid Extension*
139	Pre-construction survey for pre- construction video/ potholing and final construction staking for all mainlines, laterals and appurtenances as needed.	1	LS		\$
140	Furnish, install, and maintain one (1) project sign	1	LS		\$
141	Prepare engineer signed Traffic Control plans and implement plans for grind and overlay and submit and obtain approval from City of Eastvale	1	LS		\$
142	Traffic Control and Safety per approved Traffic Control Plans as required by City of Eastvale Encroachment Permit, including traffic control for inspection activities	1	LS		\$
143	Monitor and maintenance of traffic control devices	1	LS		\$
144	Flush and pressure testing including temporary blow-offs, all thrust restraints and protection per AWWA and JCSD requirements.	1	LS		\$
145	Chlorination and disinfection of newly installed waterline, Bac-T sample per JCSD's requirements	1	LS		\$
146	Construction Survey	1	LS		\$
147	Maintain updated As-Builts and provide final Record Drawings	1	LS		\$

¹⁾Quantities (except for "Lump Sum" item numbers) are estimated and are for the purpose of comparing bids only. Payment will be based upon actual quantities furnished, installed or constructed in accordance with the Contract Documents.

^{*}The above prices include any amount payable by the Owner for taxes by reason of this contract.

Item <u>No.</u>	<u>Description</u>	<u>Qty.(1)</u>	<u>Unit</u>	Unit Bid <u>Price*</u>	Bid Extension*			
148	Protect and/or replace existing survey monuments	1	LS		\$			
149	Prepare and implement a SWPPP for the project	1	LS		\$			
150	Unknown/unmarked utility undercrossings	1	LS		\$			
151	Replace traffic striping and pavement markings per City of Eastvale Encroachment Permit, Temporary Striping	1	LS		\$			
152	Remove AC, backfill, compaction, restore AC to appurtenances and services (non-mainline trench)	1	LS		\$			
153	Implement Environmental Measures provided in Appendix J	1	LS		\$			
154	All other work in the Contract Documents not outlined in Bid Items 101 thru 153 to make system operational	1	LS		\$			
Total Bid Schedule I:								
					Dollars*			
	(words)							

¹⁾Quantities (except for "Lump Sum" item numbers) are estimated and are for the purpose of comparing bids only. Payment will be based upon actual quantities furnished, installed or constructed in accordance with the Contract Documents.

^{*}The above prices include any amount payable by the Owner for taxes by reason of this contract.

BID SCHEDULE II

JURUPA COMMUNITY SERVICES DISTRICT RECYCLED WATER PROGRAM – SEGMENT 2 JCSD PROJECT NO. C215078

	JCSD PROJECT NO. C2150/6					
Item <u>No.</u>	<u>Description</u>	<u>Qty.(1)</u>	<u>Unit</u>	Unit Bid <u>Price*</u>	Bid <u>Extension*</u>	
201	Pothole existing utilities at all crossings, and adjacent to proposed alignment, confirm connection points and provide pothole report prior to construction	20	EA	\$	\$	
202	8" dia. C-909 PVC recycled purple watermain w/tracer wire, ductile iron fittings, blind flanges, and thrust restraints (horizontal station length).	1,275	LF	\$	\$	
203	Installation of Geotextile Fabric associated with installation of 8" dia. piping.	1,275	LF	\$	\$	
204	8" dia. High Deflection Coupling	5	EA	\$	\$	
205	2" dia. Air Valve Assembly per JCSD Std. Dwg. No. R/NP-12 (including guard posts)	2	EA	\$	\$	
206	4" dia. Blow-off per JCSD Std. Dwg. No. R/NP-15 (including guard posts) as needed.	1	EA	\$	\$	

⁽¹⁾Quantities (except for "Lump Sum" item numbers) are estimated and are for the purpose of comparing bids only. Payment will be based upon actual quantities furnished, installed or constructed in accordance with the Contract Documents.

^{*}The above prices include any amount payable by the Owner for taxes by reason of this contract.

Item <u>No.</u>	<u>Description</u>	<u>Qty.(1)</u>	<u>Unit</u>	Unit Bid <u>Price*</u>	Bid Extension*
207	Install 1" Service Lateral, Meter Box, 1" Meter, thrust restraints, traffic control, and dewatering	5	EA	\$	\$
208	Install 2" Service Lateral, Meter Box, 2" Meter, thrust restraints, traffic control, and dewatering	2	EA	\$	\$
209	Install 4" Service Lateral, utilize existing meter box and existing 3" meter, thrust restraints, traffic control, and dewatering.	1	LF	\$	\$
210	Abandon existing water meter service laterals 2 ½ " and smaller per Drawing D-9 including trenching, backfill, fittings, temporary pavement repair, permanent pavement repair, traffic control and shutdown / dewatering	3	EA	\$	\$
211	Abandon existing water meter service laterals 3-in and larger per Drawing D-9 including trenching, backfill, fittings, temporary pavement repair, permanent pavement repair, traffic control and shutdown / dewatering	2	EA	\$	\$
212	Furnish and install additional 8-inch diameter siphon not shown on plans, including 4-45 degree fittings as required to clear existing utility.	2	EA	\$	\$

¹⁾Quantities (except for "Lump Sum" item numbers) are estimated and are for the purpose of comparing bids only. Payment will be based upon actual quantities furnished, installed or constructed in accordance with the Contract Documents.

^{*}The above prices include any amount payable by the Owner for taxes by reason of this contract.

Item <u>No.</u>	<u>Description</u>	<u>Qty.⁽¹⁾</u>	<u>Unit</u>	Unit Bid <u>Price*</u>	Bid Extension*
213	Owner directed installation of 8-inch diameter pipeline at flowline depth between 1.1 feet and 2.0 feet deeper (additive)/shallower (deductive) than shown at bid time. Variation between 0.1- feet to 1.0 foot is no charge to the District.	100	LF	\$	\$
214	Owner directed installation of 8-inch diameter pipeline at flowline depth between 2.1 feet and 3.0 feet deeper (additive)/shallower (deductive)than shown at bid time.	100	LF	\$	\$
215	Backfill, compact, restore mainline	1,275	LF	\$	\$
216	Sand bedding for mainline trench per specifications and modified JCSD Std. Dwg. No. A-1 including import sand, export and disposal of native materials	1,275	LF	\$	\$
217	Trenching, excavation, sheeting, shoring and bracing for protection of life and limb per OSHA Standards	1	LS		\$
218	Pavement removal, disposal and replacement (mainline trench) per City of Eastvale Encroachment Permit and per Specifications	2	EA	\$	\$

¹⁾Quantities (except for "Lump Sum" item numbers) are estimated and are for the purpose of comparing bids only. Payment will be based upon actual quantities furnished, installed or constructed in accordance with the Contract Documents.

^{*}The above prices include any amount payable by the Owner for taxes by reason of this contract.

Item <u>No.</u>	<u>Description</u>	<u>Qty.(1)</u>	<u>Unit</u>	Unit Bid <u>Price*</u>	Bid Extension*
219	0.10' grind and overlay of asphalt concrete capping of streets per City of Eastvale Encroachment Permit and per Specifications.	58,750	SF	\$	\$
220	Remove and replace existing cross gutters, drains, curbs, driveways, sidewalks, mailboxes in kind	1	LS		\$
221	Replace any impacted traffic loops	1	LS		\$
222	Construction Water and associated piping	1	LS		\$
223	Pre-construction survey for pre-construction video/ potholing and final construction staking for all mainlines, laterals and appurtenances as needed.	1	LS		\$
224	Prepare engineer signed Traffic Control plans and implement plans for grind and overlay and submit and obtain approval from City of Eastvale	1	LS		\$
225	Traffic Control and Safety per approved Traffic Control Plans as required by City of Eastvale Encroachment Permit, including traffic control for inspection activities	1	LS		\$

¹⁾Quantities (except for "Lump Sum" item numbers) are estimated and are for the purpose of comparing bids only. Payment will be based upon actual quantities furnished, installed or constructed in accordance with the Contract Documents.

^{*}The above prices include any amount payable by the Owner for taxes by reason of this contract.

Item <u>No.</u>	<u>Description</u>	<u>Qty.⁽¹⁾</u>	<u>Unit</u>	Unit Bid <u>Price*</u>	Bid <u>Extension*</u>
226	Monitor and maintenance of traffic control devices	1	LS		\$
227	Flush and pressure testing including temporary blow-offs, all thrust restraints and protection per AWWA and JCSD requirements.	1	LS		\$
228	Chlorination and disinfection of newly installed waterline, Bac-T sample per JCSD's requirements	1	LS		\$
229	Construction Survey	1	LS		\$
230	Maintain updated As-Builts and provide final Record Drawings	1	LS		\$
231	Protect and/or replace existing survey monuments	1	LS		\$
232	Prepare and implement a SWPPP for the project	1	LS		\$
233	Unknown/unmarked utility undercrossings	10	EA		\$
234	Replace traffic striping and pavement markings per City of Eastvale Encroachment Permit, Temporary Striping	1	LS		\$
235	Remove AC, backfill, compaction, restore AC to appurtenances and services (non-mainline trench)	1	LS		\$

¹⁾Quantities (except for "Lump Sum" item numbers) are estimated and are for the purpose of comparing bids only. Payment will be based upon actual quantities furnished, installed or constructed in accordance with the Contract Documents.

^{*}The above prices include any amount payable by the Owner for taxes by reason of this contract.

Item <u>No.</u>	<u>Description</u>	<u>Qty.(1)</u>	<u>Unit</u>	Unit Bid <u>Price*</u>	<u>Ext</u>	Bid ension*
236	Implement Environmental Measures provided in Appendix J	1	LS		\$	
237	All other work in the Contract Documents not outlined in Bid Items 201 thru 236 to make system operational	1	LS		\$	
Total	Bid Schedule II:					
						Dollars*
		(words)				

¹⁾Quantities (except for "Lump Sum" item numbers) are estimated and are for the purpose of comparing bids only. Payment will be based upon actual quantities furnished, installed or constructed in accordance with the Contract Documents.

^{*}The above prices include any amount payable by the Owner for taxes by reason of this contract.

BID SCHEDULE III

JURUPA COMMUNITY SERVICES DISTRICT RECYCLED WATER PROGRAM – SEGMENT 2 JCSD PROJECT NO. C215078

Item	000211100	_0	02.00	Unit Bid	Bid
No.	Description	<u>Qty.⁽¹⁾</u>	<u>Unit</u>	Price*	Extension*
301	Mobilization, Demobilization, Insurance, Bonds and Preconstruction Video ⁽²⁾		LS		\$
302	Pothole existing utilities at all crossings, and adjacent to proposed alignment, confirm connection points and provide pothole report prior to construction	30	EA	\$	\$
303	18" dia. C-900 PVC recycled purple watermain w/tracer wire, ductile iron fittings, blind flanges, and thrust restraints (horizontal station length).	1,925	LF	\$	\$
304	Installation of Geotextile Fabric associated with installation of 18" dia. piping.	1,925	LF	\$	\$
305	Furnish and Install 24" I.D. x 1/2" Thick Steel Casing, open cut and place casing, and concrete encasement of casing at deflection points and service outlets as indicated on the Plans	800	LF	\$	\$
306	18" dia. Butterfly Valve per JCSD Std. Dwg. No. R/NP-7	2	EA	\$	\$

⁽¹⁾Quantities (except for "Lump Sum" item numbers) are estimated and are for the purpose of comparing bids only. Payment will be based upon actual quantities furnished, installed or constructed in accordance with the Contract Documents.

^{*}The above prices include any amount payable by the Owner for taxes by reason of this contract.

⁽²⁾ Payment shall not exceed 5% of total for Bid Schedule. Initial payment of 50% for mobilization, then payment of 25% upon halfway through the project and the final 25% payment during demobilization.

Item <u>No.</u>	<u>Description</u>	<u>Qty.(1)</u>	<u>Unit</u>	Unit Bid <u>Price*</u>	Bid Extension*
307	4" dia. R.S. Gate Valve per JCSD Std. Dwg. No. R/NP-6	3	EA	\$	\$
308	6" dia. Blow-off per JCSD Std. Dwg. No. R/NP-18 and ductile iron tee outlet (including guard posts) as needed.	1	EA	\$	\$
309	Install 4" Service Lateral, thrust restraints, traffic control, and dewatering	3	EA	\$	\$
310	Owner directed installation of 18-inch diameter pipeline at flowline depth between 1.1 feet and 2.0 feet deeper (additive)/shallower (deductive) than shown at bid time. Variation between 0.1-feet to 1.0 foot is no charge to the District.	250	LF	\$	\$
311	Owner directed installation of 18-inch diameter pipeline at flowline depth between 2.1 feet and 3.0 feet deeper (additive)/shallower (deductive)than shown at bid time	200	LF	\$	\$
312	Backfill, compact, restore mainline	1,925	LF	\$	\$

*The above prices include any amount payable by the Owner for taxes by reason of this contract.

ItemUnit BidBidNo.DescriptionQty.(1)UnitPrice*Extension*

⁽¹⁾Quantities (except for "Lump Sum" item numbers) are estimated and are for the purpose of comparing bids only. Payment will be based upon actual quantities furnished, installed or constructed in accordance with the Contract Documents.

313	Sand bedding for mainline trench per specifications and modified JCSD Std. Dwg. No. A-1 including import sand, export and disposal of native materials	1,925	LF	\$ \$
314	Trenching, excavation, sheeting, shoring and bracing for protection of life and limb per OSHA Standards	1	LS	 \$
315	Pavement removal, disposal and replacement (mainline trench) per City of Eastvale and Jurupa Valley Encroachment Permit and per Specifications	1,925	LF	\$ \$
316	0.10' grind and overlay of asphalt concrete capping of streets per City of Eastvale, City of Jurupa Valley, and Caltrans Encroachment Permit and per Specifications.	31,000	SF	\$ \$
317	Remove and replace existing cross gutters, drains, curbs, driveways, sidewalks, mailboxes in kind	1	LS	 \$
318	Replace any impacted traffic loops	1	LS	 \$
319	Construction water, and associated piping, fittings, thrust restraints, back-flow assemblies, meter deposits, equipment, valves.	1	LS	 \$

*The above prices include any amount payable by the Owner for taxes by reason of this contract.

Item Unit Bid Bid

No. Description Qty.(1) Unit Price* Extension*

⁽¹⁾Quantities (except for "Lump Sum" item numbers) are estimated and are for the purpose of comparing bids only. Payment will be based upon actual quantities furnished, installed or constructed in accordance with the Contract Documents.

320	Pre-construction survey for pre-construction video/ potholing and final construction staking for all mainlines, laterals and appurtenances as needed.	1	LS	 \$
321	Furnish, install, and maintain two (2) project signs	1	LS	 \$
322	Apply for, Obtain, pay for and comply with City of Eastvale, City of Jurupa Valley, and Caltrans encroachment permit (including all rider permits and extensions), provide and implement BMP's per encroachment permit requirements.	1	LS	 \$
323	Prepare engineer signed Traffic Control plans and implement plans for grind and overlay and submit and obtain approval from City of Eastvale and Jurupa Valley and Caltrans	1	LS	 \$
324	Traffic Control and Safety per approved Traffic Control Plans as required by City of Eastvale, City of Jurupa Valley, and Caltrans Encroachment Permits, including traffic control for inspection activities	1	LS	 \$

*The above prices include any amount payable by the Owner for taxes by reason of this contract.

ItemUnit BidBidNo.DescriptionQty.(1)UnitPrice*Extension*

⁽¹⁾Quantities (except for "Lump Sum" item numbers) are estimated and are for the purpose of comparing bids only. Payment will be based upon actual quantities furnished, installed or constructed in accordance with the Contract Documents.

325	Monitor and maintenance of traffic control devices	1	LS	 \$
326	Flush and pressure testing including temporary blow-offs, all thrust restraints and protection per AWWA and JCSD requirements.	1	LS	 \$
327	Chlorination and disinfection of newly installed waterline, Bac-T sample per JCSD's requirements	1	LS	 \$
328	Construction Survey	1	LS	 \$
329	Maintain updated As-Builts and provide final Record Drawings	1	LS	 \$
330	Protect and/or replace existing survey monuments	1	LS	 \$
331	Prepare and implement a SWPPP for the project	1	LS	 \$
332	Unknown/unmarked utility undercrossings	20	EA	 \$
333	Replace traffic striping and pavement markings per City of Eastvale, City of Jurupa Valley, and Caltrans Encroachment Permits, Temporary Striping	1	LS	 \$

*The above prices include any amount payable by the Owner for taxes by reason of this contract.

Item Unit Bid Bid

No. Description Qty. (1) Unit Price* Extension*

⁽¹⁾Quantities (except for "Lump Sum" item numbers) are estimated and are for the purpose of comparing bids only. Payment will be based upon actual quantities furnished, installed or constructed in accordance with the Contract Documents.

334	Remove AC, backfill, compaction, restore AC to appurtenances and services (non-mainline trench)	1	LS	 \$	
335	Implement Environmental Measures provided in Appendix J	1	LS	 \$	
336	All other work in the Contract Documents not outlined in Bid Items 301 thru 335 to make system operational	1	LS	 \$	
Total	Bid Schedule III:				
					· · · · · · · · · · · · · · · · · · ·
					Dollars*
		(words	3)		

⁽¹⁾Quantities (except for "Lump Sum" item numbers) are estimated and are for the purpose of comparing bids only. Payment will be based upon actual quantities furnished, installed or constructed in accordance with the Contract Documents.

^{*}The above prices include any amount payable by the Owner for taxes by reason of this contract.

PROPOSAL

BIDDING SHEET SUMMARY

(to be filled in by Bidder)

,	
TOTAL BID PRICE FOR BID SCHEDULE I (Nos. 101 thru 154)	\$*
TOTAL BID PRICE FOR BID SCHEDULE II (Nos. 201 thru 237)	\$*
TOTAL BID PRICE FOR BID SCHEDULE III (Nos. 301 thru 336)	\$*
TOTAL BID PRICE FOR SCHEDULES I, II, and III \$	*
	Dollars*
(DOLLAR AMOUNT IN WRITTEN FORM)	
The undersigned agrees that these Proposal/Bid Forms co- Owner which cannot be withdrawn for the number of Caler Notice Inviting Bids from and after the bid opening date, or u is fully executed by the Owner and a third party, whichever also agrees that if there is a discrepancy between the written a the numerical amount of the Bid Price, the written amount sha	ndar Days indicated in the Intil a contract for the Wor is earlier. The undersigne Indication amount of the Bid Price an
Acknowledgement of reading above statement:	
Ву:	
Signature	Date

5. BIDDER'S STATEMENT

OTTICATE OT THE CO	rporation.
officers of the col	rporation.
below has agree	ares that the surety or sureties named in the space provide ed to furnish bonds in the aggregate amounts set forth in th dders, in the event the Contract is awarded on the basis of th
Name(s) and add	dress(es) of surety or sureties agreeing to furnish bond.

Corporation organized under the laws of the State of:	Name of Bidder:	
California Contractor's License No		
	Bidder's Address	
License Expiration Date:		
License Class	Bidder's Phone Number	
	Bidder's Fax Number	
-	of the registration requirements set forth in Labor d is currently registered with the Department of orks.	
DIR Registration Number:		
I declare under penalty of perju the foregoing representations are true a	ry under the laws of the State of California that and correct.	
	By:(Bidder's Signature)	
	(Typed or Printed Name)	
	Title	

6. NON-COLLUSION DECLARATION

TO BE EXECUTED BY BIDDER AND SUBMITTED WITH BID

TI	he undersigned declares:		
	am the going bid.	of	, the party making
partnersing to colluded colluded sham bid price of the bid true. The breakdown thereto, deposito	the bid is not made in the interest hip, company, association, organd is ive or sham. The bidder has redder to put in a false or sham, conspired, connived, or agreed, or to refrain from bidding. The sought by agreement, communication of the bidder or any other bidder or any other bidder or any other bidder has not, directly on the bidder has not, directly on the contents the total any corporation, partners bry, or to any member or agent the baid, and will not pay, any personal.	nization, or corporation. not directly or indirectly bid. The bidder has red with any bidder or a The bidder has not in a unication, or conference or, or to fix any overhead bidder. All statements or indirectly, submitted ereof, or divulged informip, company associatereof to effectuate a co	The bid is genuine and induced or solicited any not directly or indirectly anyone else to put in a any manner, directly or with anyone to fix the d, profit, or cost element contained in the bid are their bid price or any mation or data relative tion, organization, bid llusive or sham bid, and
partners other en	ny person executing this declara hip, joint venture, limited liability tity, hereby represents that they aration on behalf of the bidder.	y company, limited liab	ility partnership, or any
the fore	declare under penalty of perjury egoing is true and correct [date],		ation is executed on
		-	(Signature)
			(Typed Name)
			,
	SUBSCRIBED BEFORE	w⊏ on thisaay of _	, 20
M 6		NO	TARY PUBLIC
WW Com	mission Expires:		

7. BID BOND

The makers of this bond are,			
	_, as	Principal,	and
		, as Sur	ety and
are held and firmly bound unto the Jurupa Community	y Services	s District, here	einafter
called the District, in the penal sum of TEN PERCEN	T (10%) C	OF THE TOTA	AL BID
PRICE of the Principal submitted to DISTRICT for the	work desc	cribed below,	for the
payment of which sum in lawful money of the United Sta	ates, well a	and truly to be	made,
we bind ourselves, our heirs, executors, administrators,	successor	s and assigns	, jointly
and severally, firmly by these presents.			
THE CONDITION OF THIS OBLIGATION	N IS SUC	CH that where	eas the
Principal has submitted the accompanying bid dated		, 2025, foi	r <u>JCSD</u>
Recycled Water Program – Segment 2 Final Design DPN	I C215078	<u>.</u>	

If the Principal does not withdraw its bid within the time specified in the Contract; and if the Principal is awarded the Contract and provides all documents to the District as required by the Contract (including the Special Requirements, Basic Specifications, Technical Specifications, and Drawings and other documents incorporated therein by reference); then this obligation shall be null and void. Otherwise, this bond will remain in full force and effect.

Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract shall in affect its obligation under this bond, and Surety does hereby waive notice of any such changes.

In the event a lawsuit is brought upon this bond by the District and judgment is recovered, the Surety shall pay all litigation expenses incurred by the District in such suit, including reasonable attorneys' fees, court costs, expert witness fees and expenses.

IN WITNESS WHEREOF,	the above-bound parties have executed this
instrument under their several seals this	day of, 20,
the name and corporate seal of each corp	oration.
SURETY:	BIDDER;
By:	By:
Title:	Title:
Attest: (If Corporation)	Attest: (If Corporation)
Title:	Title:
(SEAL)	(SEAL)
STATE OF CALIFORNIA	
COUNTY OF	
On hefere me	Notory Dublic porconally
	<u>Notary Public</u> , personally , who proved to me on the basis of
	whose name(s) is/are subscribed to the within
instrument and acknowledged to me that I	he/she/they executed the same in his/her/their
authorized capacity(ies), and that by his/	her/their signatures(s) on the instrument, the
person(s) or the entity upon behalf of instrument.	f which the person(s) acted, executed the
I certify under penalty of periury under	the laws of the State of California that the
foregoing paragraph is true and correct.	
	WITNESS my hand and official seal.
(SEAL)	
	SIGNATURE OF NOTARY

8. IRAN CONTRACTING ACT CERTIFICATION

(Public Contract Code Section 2200 et seq.)

As required by California Public Contract Code Section 2204, the Contractor certifies subject to penalty for perjury that the option checked below relating to the Contractor's status in regard to the Iran Contracting Act of 2010 (Public Contract Code Section 2200 *et seq.*) is true and correct:

	The C	Contractor is not:
	(i)	identified on the current list of persons and entities engaging in investment activities in Iran prepared by the California Department of General Services in accordance with subdivision (b) of Public Contract Code Section 2203; or
	(ii)	a financial institution that extends, for 45 days or more, credit in the amount of \$20,000,000 or more to any other person or entity identified on the current list of persons and entities engaging in investment activities in Iran prepared by the California Department of General Services in accordance with subdivision (b) of Public Contract Code Section 2203, if that person or entity uses or will use the credit to provide goods or services in the energy sector in Iran.
	Iran (exem	District has exempted the Contractor from the requirements of the Contracting Act of 2010 after making a public finding that, absent the option, the District will be unable to obtain the goods and/or services provided pursuant to the Contract.
		amount of the Contract payable to the Contractor for the Project does xceed \$1,000,000.
Signed:		
Titled:		
Firm:		
Date:		

Note: In accordance with Public Contract Code Section 2205, false certification of this form shall be reported to the California Attorney General and may result in civil penalties equal to the greater of \$250,000 or twice the Contract amount, termination of the Contract and/or ineligibility to bid on contracts for three years.

9. EXECUTIVE ORDER N-6-22 CERTIFICATION

Executive Order N-6-22 issued by Governor Gavin Newsom on March 4, 2022, directs all agencies and departments that are subject to the Governor's authority to (a) terminate any contracts with any individuals or entities that are determined to be a target of economic sanctions against Russia and Russian entities and individuals; and (b) refrain from entering into any new contracts with such individuals or entities while the aforementioned sanctions are in effect.

Executive Order N-6-22 also requires that any contractor that: (1) currently has a contract with the Owner funded through grant funds provided by the State of California; and/or (2) submits a bid or proposal or otherwise proposes to or enter into or renew a contract with the Owner with State of California grant funds, certify that the person is not the target of any economic sanctions against Russia and Russian entities and individuals.

The contractor hereby certifies, SUBJECT TO PENALTY OF PERJURY, that a) the contractor is not a target of any economic sanctions against Russian and Russian entities and individuals as described in Executive Order N-6-22 and b) the person signing below is duly authorized to legally bind the contractor. This certification is made under the laws of the State of California.

ignature:
rinted Name:
itle:
Contractor:
oate:

ATTACHMENT C

SPECIAL REQUIREMENTS

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SPECIAL REQUIREMENTS

FOR

Jurupa Community Services District
Recycled Water Program – Segment 2
JCSD Project No. C215078

1. THE REQUIREMENT

The Contractor shall construct the specified project for the Jurupa Community Services District, Jurupa Valley, California; furnishing all labor, materials (except those materials to be furnished by Owner), equipment, and methods necessary to complete said construction, in order to provide the Owner with complete, correctly operating pipeline facilities with appurtenances, all in accordance with the Contract Documents.

2. LOCATION OF CONTRACT WORK SITE

The contract work site is in the City of Eastvale and City of Jurupa Valley of Riverside County, California Refer to the Index on the Project Drawing.

3. STANDARD MANUAL

The Jurupa Community Services District "Standards Manual", Latest Edition (including all Addendums), is hereby incorporated into these Specifications, and in case of conflict the highest and most stringent requirement shall govern. Copies of the "Standards Manual" are available at the District office for review and/or purchase by prospective bidders.

Contractor shall furnish and install all facilities in accordance with the latest revision of the Jurupa Community Services District's (District) Standard Specifications and Standard Drawings for Water Facilities are available from the District. The Contractor shall be in possession of District's Specifications and Standard Drawings on the job site at all times. Any construction and/or materials not covered in District Standards shall be approved by the District prior to construction.

4. CONTRACT COMPLETION SCHEDULE

All work under Bid Schedule I shall be completed and operational (including all pavement repairs and final clean up) within **Three Hundred and Thirty (330)** calendar days following date Owner provides written "Notice of Award" of contract.

The contract completion schedules are firm and will not change regardless of the

combination of Bid Schedules awarded. Completion time in calendar days includes Saturdays, Sundays, and holidays.

IF CONTRACTOR DOES NOT CONFORM TO THE ABOVE LISTED CONTRACT AND COMPLETION SCHEDULES, THEN THE OWNER WILL ENFORCE THE AGREEMENT IN THE CONTRACT APPENDIX TITLED "LIQUIDATED DAMAGES".

5. CONTRACT DRAWINGS

The Contract work to be executed under these specifications, its location, nature, size and extent, and the form and detail of its various features are shown on the listed Drawings, which are hereby made a part of these Specifications.

JCSD Recycled Water Program – Segment 2 JCSD Project No. C215078

Sheet	No. Sub-Title
1	Title Sheet
2	Notes, Legend, Abbreviations, and Index Sheet
3	Largo Drive Plan and Profile Sta. 9+35.89 to Sta. 17+00
4	65 th Street Plan and Profile Sta. 17+00 to Sta. 25+00
5	65 th Street Plan and Profile Sta. 25+00 to Sta. 33+00
6	65 th Street Plan and Profile Sta. 33+00 to Sta. 42+00
7	65 th Street Plan and Profile Sta. 42+00 to Sta. 51+00
8	65 th Street Plan and Profile Sta. 51+00 to Sta. 60+00
9	65 th Street Plan and Profile Sta. 60+00 to Sta. 69+00
10	65th Street Plan and Profile Sta. 69+00 to Sta. 78+00
11	65th Street Plan and Profile Sta. 78+00 to Sta. 87+00
12	65th Street Plan and Profile Sta. 87+00 to Sta. 96+00
13	65th Street Plan and Profile Sta. 96+00 to Sta. 105+00
14	65th Street Plan and Profile Sta. 105+00 to Sta. 109+05.82
15	Settler's Ridge Plan and Profile Sta. 10+00 to Sta. 15+00
16	Settler's Ridge Plan and Profile Sta. 15+00 to Sta. 23+98.59
17	Archibald Ave. Plan and Profile Sta. 10+00 to Sta. 20+00
18	Harrison Ave. Plan and Profile Sta. 10+00 to Sta. 20+00
19	Harrison Ave. Plan and Profile Sta. 20+00 to Sta. 30+00
20	Harrison Ave. Plan and Profile Sta. 30+00 to Sta. 35+47.67
21	Whispering Hills Dr. Plan and Profile Sta. 10+00 to Sta. 16+12.45
22	Cedar Creek Rd. Plan and Profile Sta. 10+00 to Sta. 19+38.37
23	Archibald Ave. Plan and Profile Sta. 10+00 to Sta. 10+95.94
24	Archibald Ave. Plan and Profile Sta. 20+00 to Sta. 29+00
25	Archibald Ave. Plan and Profile Sta. 29+00 to Sta. 31-43.39
26	Potable Water Abandonment Locations – Photo Sheet

JCSD Recycled Water Program – Segment 2 (Limonite Ave. Extension) JCSD Project No. C215078

Sheet No. Sub-Title

- 1 Title Sheet
- 2 Notes, Legend, Abbreviations, and Index Sheet
- 3 Limonite Ave. Plan and Profile Sta. 10+00 to Sta. 20+00
- 4 Limonite Ave. Plan and Profile Sta. 20+00 to Sta. 29+00
- 5 Limonite Ave. Plan and Profile Sta. 29+00 to Sta. 33+58.39

Record Drawings for the existing 18-inch diameter waterline and 24-inch diameter casing within the existing Caltrans bridge are provided in **Appendix A**.

Together With:

8 1/2" x 11" Recycled Water Standard Drawings; included in **Appendix B**.

6. RIGHTS-OF-WAY / EASEMENTS

A. GENERAL

Construction under this Contract is located upon the land and/or near existing interference facilities under the jurisdiction of the following organizations:

- 1. Jurupa Community Services District
- 2. City of Eastvale
- 3. City of Jurupa Valley
- 4. Southern California Gas Company Distribution
- 5. Southern California Gas Company Transmission
- 6. Southern California Edison Company
- 7. AT&T Distribution
- 8. Riverside County Flood Control
- Charter Communications
- 10. Caltrans

It shall be the Contractor's responsibility to conduct all his operations within the public right-of-way and easements provided for them as shown on the Drawings.

B. JURUPA COMMUNITY SERVICES DISTRICT

The District's existing water and sewer facilities are shown on the contract drawings, in accordance with the aerial survey and/or recorded locations per the District's atlas sheets. In areas outside of existing street right-of-way, the District will obtain temporary construction easements for the Contractor's use.

It shall be the Contractor's responsibility to conduct all his operations within the easements (permanent or temporary) provided for them as shown on the drawings. Additional easements that may be required by the contractor to complete the work as hereby proposed shall be obtained by the Contractor at his own expense.

7. PERMITS AND FEES

A. GENERAL

Contractor shall secure at his own expense all permits (including riders) and/or licenses necessary to the prosecution of the contract work, except for any permits and/or licenses stated herein to have been secured and paid for by the Owner. The Contractor shall also be liable for any expense, of any kind, associated with any permit or license, including those obtained by Owner, in excess of payments made prior to Contract Award.

Contractor shall comply with the applicable requirements of all permits and/or licenses that have been secured by the District, all at no additional cost to the District.

B. RULES AND REGULATIONS OF UTILITIES AND OTHER ORGANIZATIONS

The Contractor shall determine and comply with all the applicable rules and regulations of the utilities and organizations listed in Paragraph "A" of section titled "Rights-of-Way" of these Special Requirements. The Contractor shall contact all of the listed utilities and/or organizations prior to the start of construction so these agencies may make the exact location of their facilities that may be in conflict with this project.

The cost of any work necessitated for the convenience of the Contractor during construction is reimbursable to that particular utility or organization, and the Contractor shall pay such charges to said utility or organization at no additional cost to the District.

C. CITY OF EASTVALE

Contractor shall contact City of Eastvale to determine applicable permit requirements including but not limited to, traffic control, pavement removal and restoration, working areas, staging areas and working hours prior to bid the project, apply for and obtain the Encroachment Permit, all Rider Permits and Extensions. The District will reimburse the Contractor for the cost of the Encroachment Permit fee only. Contractor shall include all such expenses in the bid proposal and no additional compensation will be made for such expenses and no time will be awarded in the event the encroachment permit is delayed.

The Contractor shall determine and comply with all City rules and regulations applicable to the contract work, including complying with the City's Best Management Practices (BMP) requirements for storm water control and protecting, at no additional cost to the District.

The Encroachment Permit provisions from the City of Eastvale is applicable to various City roads affected by the contract work. Refer to **Appendix C** for the City's permit provisions as of January 2025.

The Contractor shall obtain a business license from City of Eastvale, if required by the City. The Contractor shall pay the associated fee at his own expense.

Replacement paving in all paved roads, grinding and capping, traffic control, restriping, special trench backfill, special class 2 aggregate base requirements, etc. shall be in accordance with the City of Eastvale Standards and permit requirements. The Contractor shall notify the City of Eastvale Permit Section at (951) 332-6464 at least two (2) working days prior to starting construction. If the proposed pipeline crosses a paved street at an angle other than 90 degrees, the limits of pavement grind and overlay shall be at right angles to the street centerline and shall encompass the entire trench paving. Contractor shall replace or repair any damaged or altered existing improvement within public right-of-way as direct by the City Engineer. Nightwork will not be permitted by the City of Eastvale. Work hours within the City of Eastvale shall occur between 8:30 AM and 3:30 PM within residential areas and/or neighboring major streets.

D. CITY OF JURUPA VALLEY

Contractor shall contact City of Jurupa Valley to determine applicable permit requirements including but not limited to, traffic control, pavement removal and restoration, working area, staging area and working hours prior to bid the project, apply for, obtain, and pay for the Encroachment Permit, all Rider Permits and Extensions. The District will reimburse the Contractor for the cost of the Encroachment Permit fee only. Contractor shall include all such expenses in the bid proposal and no additional compensation will be made for such expenses and no time will be awarded in the event the encroachment permit is delayed.

The Contractor shall determine and comply with all City rules and regulations applicable to the contract work, including complying with the City's Best Management Practices (BMP) requirements for storm water control and protecting, at no additional cost to the District.

The Encroachment Permit from the City of Jurupa Valley is applicable to Limonite Avenue from I-15 to Pats Ranch Road. Refer to **Appendix D**.

The Contractor shall obtain a business license from City of Jurupa Valley, if required by the City. The Contractor shall pay the associated fee at his own expense.

Replacement paving in all paved roads, grinding and capping, traffic control, restriping, special trench backfill, special class 2 aggregate base requirements, etc. shall be in accordance with the City of Jurupa Valley Standards and City of Jurupa Valley permit requirements. The Contractor shall notify the City of Jurupa Valley Permit Section at (951) 332-6464 at least two (2) working days prior to starting construction. If the proposed pipeline crosses a paved street at an angle other than 90 degrees, the limits of pavement grind and overlay shall be at right angles to the street centerline and shall encompass the entire trench paving. Contractor shall replace or repair any damaged or altered existing improvement within public right-of-way as direct by the City Engineer.

E. CALTRANS

The Contractor shall determine and comply with all Caltrans rules and regulations applicable to the contract work, at no additional cost to the District. The District is in the process of obtaining an encroachment permit from Caltrans, which will be provided once received. Contractor will be required to obtain a rider permit.

F. RIVERSIDE COUNTY FLOOD CONTROL DISTRICT

The Contractor shall determine and comply with all Riverside County Flood Control District rules and regulations applicable to the contract work, at no additional cost to the District for work adjacent to, crossing over and crossing under the RCFCWCD's facilities.

G. CALIFORNIA REGIONAL WATER RESOURCES CONTROL BOARD

The Contractor, as JCSD's authorized representative, shall comply with the regulatory requirements of the State Water Resources Control Board's (SWRCB) Order No. 2009-0009 DWQ, National Pollutant Discharge Elimination System (NPDES) General Permit No. CAS000002 for Discharges of Storm Water Runoff Associated with Construction Activity, copies of which are available on SWRCB website at: http://www.swrcb.ca.gov/stormwtr/construction.html.

The Contractor, as JCSD's authorized representative shall have a Qualified SWPPP Developer determine the Risk Level/LUP Type and prepare a Contractor and QSD Certified Storm Water pollution and Prevention Plan Storm Water Pollution and Prevention Plan in accordance with Order No. 2009-0009 DWQ, NPDES General Permit No. CAS000002. The Contractor shall submit both paper and electronic copies of the SWPPP to the JCSD within two weeks of the contract start date. The JCSD, upon approval of the SWPPP, shall electronically file Permit Registration Documents (PRDs) using the Stormwater Multi Application Reporting & Tracking System (SMARTS) and shall mail the Notice of Intent (NOI) and appropriate annual fee to the State Water Resources Control Board. SWRCB will process the PRDs and a Waste Discharge Identification Number (WDID) will be assigned to the project. JCSD will forward the completed NOI including the WDID to the Contractor upon receipt.

The Contractor, as JCSD's authorized representative, shall always maintain a copy of the SWPPP on the job site for review and inspection by the Regional Water Quality Control Board. Documents that shall be available on site include but are not limited to the SWPPP that is monitored as needed for current conditions; construction site monitoring plan (CSMP); required daily/weekly and extended inspection checklists, pre, during, and post rain event inspection checklists; pre, during, and post-rain event reports; quarterly non-stormwater monitoring reports; and Rain Event Action Plans (Risk Level 2 and 3 projects only).

The Contractor, as JCSD's authorized representative, shall have a Qualified SWPPP Practitioner (QSP) available at all times to implement the SWPPP in compliance with Order No. 2009-0009 DWQ including but not limited to training/certification implementing requirements for key personnel SWPPP/BMPs etc.; performance of daily/weekly inspection reports; performance of all required monitoring and reporting including monitoring data/records and visual monitoring records; and maintaining records of corrective actions taken and not Submittal of daily/weekly inspections and monthly reports to JCSD in compliance with the permit is required by the end of each month. The Annual Report, in accordance with Section XVI of Order No. 2009-0009 DWQ, NPDES General Permit No. CAS00002, must be submitted to JCSD by July 31 of each year. The Contractor's QSP must be registered in SMARTS so JCSD may link the QSP to the project in SMARTS as a Data Submitter.

JCSD, at its discretion, may withhold payment and/or return pay requests if the contractor fails to submit monthly reports by the last working day of the month, properly maintain records, or otherwise comply with the permit requirements.

8. <u>DATA TO BE SUBMITTED BY CONTRACTOR</u>

Contractor shall submit to the Engineer for approval detailed shop drawings and schedule. No pipe and other facilities shall be manufactured until the drawings have been approved. Owner may require electronic color copy (PDF) and/or seven (7) copies of submittals. The Owner will review and return the initial submittals within fifteen (15) working days. Resubmittals will be reviewed and returned within ten (10) working days following receipt.

The Engineer's approval of the Contractor's submittal data shall not relieve the Contractor from having the entire responsibility for the correctness of details and dimensions. The Contractor shall assume all responsibility and risk for misfits due to any errors in the Contractor's submittal data. The Contractor is hereby notified that any proposed deviation for the contract document shall be clearly indicated on each submittal; and if not so, submittal may be subject to rejection.

Contractor shall prepare a potholing report documenting field data including, but not limited to date, street name, stationing, utility, size, depth and conflict. Contractor shall submit the pothole report within fifteen (15) calendar days from "Notice of Award". Contractor shall either identify the conflicting utility or confirm there is no conflict per his pothole data. The format for the pothole report shall be per Appendix D.

Upon completion of utility potholing, and the pothole report is accepted by the Owner, Contractor shall submit shop drawings for all special pipe fittings, pipe lay sheets for all piping within seven (7) calendar days from the acceptance of potholing report. The owner will review and return submittals within seven (7) working days and Contractor shall resubmit revised shop drawings within seven (7) working days upon receiving the review comments from the Owner. Contractor shall be aware that the resubmittal shall be substantially completed and all comments have to be addressed. Any delay due to incomplete shop drawing submittal/re-submittal or late submittal/re-submittal will be on Contractor and no additional time will be granted.

In addition to the above, the Contractor shall submit to the Engineer for approval, manufacturer's data sheets, brochures, etc. for appurtenant materials, shoring and bracing design, etc. A list of the minimum required submittals is as follows:

Successful Bidder shall submit a construction schedule within ten (10) calendar days following award of contract. The schedule shall conform to the completion schedule stated herein, and shall show dates for beginning and completing all aspects of contract work, including potholing of utility crossings and expected dates for beginning and completing all aspects of contract work, including expected dates (both delivery and installation) for the required submittal data. Bidder shall understand that this schedule will be tentative, and subject to modification and updating by the Contractor (as approved by the District) as the contract work progresses. The schedule shall generally provide the following main items along with corresponding details listed under "Schedule".

Schedule

Overall Schedule and Plan

- Schedule and Plan for Portion fronting any and all schools: River Heights Intermediate School, Eleanor Roosevelt High School, Eastvale STEM Academy, and Harada Elementary School.
- Submittals
- Review and approval period
- Material delivery
 - Installation
 - Final site work and cleanup
- Schedule/Phasing of construction

Pipeline Material

- PVC Pipe
- Ductile Iron Fittings
- Pipe Layout Drawings
- All Pipe Fittings

Appurtenant Submittals

- Field survey / Cut Sheets
- Gate Valves
- Butterfly Valves
- Air Valves
- Blow-Offs
- Warning Marking Tape
- SE30 Sand Gradation

Miscellaneous

- Copies of Permit Required (NDPES, Excavation, etc.)
- SWPPP/BMP
- Copies of Permits required to be obtained by Contractor
- Potholing Report
- Method to protect existing utilities in close proximity
- Dewatering equipment and detailed procedures
- Sheeting and Shoring Details
- Concrete Mix Design
- AC Paving Mix Design
- Aggregate Base Gradation
- Schedule of Values of Lump Sum Bid Items
- Waterline Testing and Disinfection Procedures

9. MATERIAL/WORK FURNISHED BY OWNER

The Owner will not furnish any materials for this Project.

10. MATERIAL FURNISHED BY CONTRACTOR

The Contractor shall furnish all materials necessary to complete the contract work, all in strict accordance with the Contract Documents.

In addition, the Contractor shall furnish all labor, skills and services required for the installation of the material to be furnished by his in order to provide the Owner with a complete project in accordance with the Contract Documents.

11. CONTRACTOR'S SCHEDULE OF WORK

Within seven (7) calendar days from the time the Contract is executed, the Contractor shall submit practicable schedules shown the order in which the Contractor proposes to carry on the work. Additionally, the contractor shall submit the anticipated starting and completion dates for these activities, including expected dates (both delivery and installation) for the required submittal data. The Contractor's schedule shall reflect progress of project as work is being completed. The schedule shall generally provide the following main items along with corresponding details:

- Pre-Construction Video (above ground)
- Potholing
- Pre-Construction Survey Ground Elevations
- Submittals
- Review and Approval Period
- Material Delivery
- Environmental Mitigation Measures
- Schedule of Construction
 - Potholing and Verify Existing Facilities
 - Installation
 - Testina
 - Abandonment
 - Demolition
 - Final Site Work and Cleanup

Contractor shall submit updated project schedules to District as follows:

- Once per month after Contractor receives written "Notice of Award" of contract
- Twice per month when Contractor has mobilized for construction

- Any time a change in the schedule and/or change in work has occurred
- Submitted with progress pay requests (status/completion items as shown on the schedules shall be consistent with the progress pay requests)

The District reserves the right to approve or alter the Schedule proposed by the Contractor, prior to the start of work. Additionally, the District may establish priorities for completion of certain parts of the work which may be necessary to provide certain services or which the District may deem advisable in the interest of public safety and convenience.

The construction schedules submitted shall be consistent in all respects with the time requirements of the contract.

12. POTHOLING OF EXISTING UTILITIES BY CONTRACTOR

The Engineer/Owner has shown from a record research and extensive pothole activities the approximate location of known underground interference facilities. Pothole data performed by the Owner are included in **Appendix E**. Contractor shall field determine the exact location and depth of all existing underground interference and immediately notify the Engineer in the event there is a conflict with the proposed pipeline alignment or grades. Contractor shall "pothole" all utility line crossings, unless the utility performs the potholes, in which event Contractor shall pay any potholing charges from the utility. The Owner reserves the right to make minor adjustments (12-inch) in alignment and grade, all at no additional cost to the Owner and no time extension will be awarded.

The horizontal position of existing underground utilities, including existing water mains, as shown on the drawings, has been determined by record and pothole activities. Where no elevation is shown, no potholing was performed previously at that location. The Contractor shall excavate all utilities shown to be within the construction area and any utility not shown but marked by the utility companies and verify their position prior to construction. Any variation from the positions shown on the drawings with the position determined by the contractor verification shall be immediately reported to the Engineer.

Adjustments to the alignment and depth of the proposed improvements shall be made based on the actual position and condition of the existing utilities as determined from the above verification.

Where underground main distribution conduits such as water, gas, sewer, electric power, telephone or cable television are shown on the Plans, the Contractor, for the purpose of preparing a Bid, shall assume that every property parcel will be served by at least one (1) service connection for each type of utility.

Contractor shall submit a signed report to the District describing the findings of the potholing efforts prior to commencement of construction. See **Appendix F** of these specifications for sample. Said report shall include at the minimum: the vertical and horizontal locations of the potholed facilities, the sizes and material of the conduits and pipe, and the orientation of the facilities. If Contractor does not report any conflict regarding the existing facilities and the proposed facilities, the District will assume that the proposed design is sufficient. If significant interference is found on existing facility during the initial potholing efforts, Contractor shall begin construction on the portion of the proposed improvements with no conflicts to accommodate re-designing efforts. If, during construction a conflict between facilities arises, all additional costs for redesigning the proposed pipeline shall be borne by Contractor no additional cost and delay will be awarded to the Contractor.

In addition to the requirements provided above, the format of the report and scheduling of the pothole efforts shall be as follows. The report shall document field data including, but not limited to date, street name, stationing per contract drawings, utility, size, top and bottom depth, materials, conflict. Contractor shall submit the signed pothole report within twenty (20) calendar days from date of "Notice to Proceed". In the pothole report, Contractor shall identify all conflicting utilities and confirm that there are no conflicts on all other utilities.

As provided in Section 4216 of the California Government Code, at least two (2) working days prior to commencing any excavation, if the excavation will be conducted in an area which is known to contain subsurface installations, the Contractor shall contact the regional notification center (Underground Service Alert of Southern California) and obtain an inquiry identification number.

13. CONSTRUCTION WATER

The Contractor shall arrange, pay for and furnish construction water from the existing water systems located in the general vicinity of the contract work (Jurupa Community Services District). The Contractor shall pay for, furnish and install all necessary piping, all certified backflow assembly devices, fittings, connections, pumps, water trucks, gauges, hydrant meters, etc., in accordance with the regulations of the providing agencies, required to provide approved facilities to deliver construction water to the jobsite for all construction activities, flushing, disinfection, testing and filling into pipelines to be constructed herein. All costs associated with the Contractor providing construction water shall be included in the appropriate bid items. Facilities installed or equipment traffic generated by the Contractor on existing streets and properties shall not restrict and impede access to vehicles, pedestrians, and property owners.

When backflow assembly devices are removed, relocated, and reinstalled due to District requests, construction activities, Contractor's convenience, or for any other reason or requirement, the Contractor shall re-certify the backflow assembly devices prior to using said device. All costs shall be included in the appropriate bid items.

14. CONSTRUCTION STAKING

A. Pre-Construction Survey

Prior to start of construction, Contractor shall perform pre-construction field survey in order to obtain current, existing topography of the project site prior to disturbance. The field topo and boundary survey shall encompass all existing improvements, elevations, plantings, surfaces, trails, dirt roads, grades, sidewalks, streets, pavements, all above ground features, elevations, layout of gates, posts, fencing, signs and any other above ground improvements. This work shall be performed by a Licensed Land Surveyor registered in the State of California. The survey plans shall be signed and sealed by the Licensed Land Surveyor and shall be submitted to the District for records. This survey shall be utilized by the Contractor to re-establish pre-existing grades and restore the site to existing conditions. In addition, the proposed manhole rim elevations shall be confirmed and utilized in the Contractor's submittals.

B. Surveying and Staking

The Contractor will provide all construction staking in accordance with Contract Documents. One (1) set of stakes must be provided at 50-foot plus horizontal and vertical angle points and appurtenance outlets for the waterline. Any costs for re-staking due to stakes lost during construction and/or due to any other cause, shall be the responsibility of the Contractor. If the Contractor requires additional staking, the Contractor will be responsible for the additional survey/staking costs. All plans, descriptions and calculations related to surveying including grade sheets, shall be signed and stamped by the Contractor's Land Surveyor, or Professional Engineer authorized by the State of California to practice land surveying.

The Contractor shall provide the District all cut or grade sheets and survey data within no more than two working days after staking and no less than three days prior to construction for any particular phase of the construction work

C. Lines and Grades

All work under this Contract shall be built in accordance with the lines and grades as shown on the drawings. Distance and measurements, except

elevations and structural dimensions, are given and made on horizontal planes. For pipeline work, the surveyor will provide offset line and grade stakes at ground level and furnish cut sheets, therefore; the Contractor shall be responsible to transfer of such line and grade into the trench for construction of the work and for accuracy of the transfer cost of transfer shall be included in the unit bid for the work and no extra compensation will be made to the Contractor. The Contractor shall preserve benchmarks, survey stakes, and points sets for lines, grades, or measurement of the work in their proper places until authorized by the Project Engineer to remove them. The Contractor shall provide the Engineer with Cut Sheets for approval a minimum of three (3) working days prior to commencing construction. All issues with the staking shall be specifically marked on the cut or grade sheets when these are provided to the District and submitted as an RFI for specific resolution.

D. Potholing

The Contractor shall provide coordinates and elevations, (x, y and z coordinates) of all potholing. The coordinates shall be referenced to the plan provided by the Engineer. Survey of all potholing locations shall be considered part of the construction staking and included in the bid item. No additional compensation will be allowed.

E. Data Provided by the Owner

The Owner shall provide the design data in AutoCAD/Civil 3D 2022 format with control data (Northing, Easting) for monumentation shown on recorded maps only. Control data provided by the Owner shall be verified for conformance to the recorded map by the Contractor prior to use for any purpose. Contractor is responsible for determining if any conflict exists. The Owner makes no representation as to the compatibility of this Data with your hardware or your software beyond the specified release of referenced specifications. The Data provided is part of the Owner's proprietary instruments of service and shall not be used by the Contractor or anyone else receiving this datum through or from the Contractor for any purpose other than as a convenience for construction staking services for this project. To the extent that the Data is electronic files, those files are not the approved construction documents. Further, differences may exist between this Data and corresponding hard-copy, engineering documents or recorded survey documents. In the event that a conflict arises between the signed, recorded or sealed hard-copy survey documents or construction documents ("Hard-Copy Documents") prepared by the Owner and the electronic files, the Hard-Copy Documents shall govern. The Contractor is responsible for determining if any conflict exists. By use of this Data, the Contractor is not relieved of his duty to fully comply with the contract documents, including, and

without limitation, the need to check, confirm and coordinate all dimensions and details, take field measurements, verify field conditions and coordinate your work with that of other contractors for the project. To the extent that the Data is intended to be used for staking and/or grading of property, the Contractor should be aware that the Data was prepared anticipating that a duly licensed and qualified Land Surveyor would perform on-site interpretation, verification, cross-checking and field-correction of the Data at the time of actual staking of the property prior to grading.

If changes are required to the original design, the Owner will provide to the Contractor redlined changes on the original plans in PDF format only of the approved changes.

15. CONSTRUCTION VIDEO PHOTOGRAPHY

A. Description

This Section covers pre-construction video photography of the work area to support proof of pre-existing pavement conditions and sign locations for visual comparison to the post-construction conditions. The requirements specified in the Condition of Contract also form part of this Section.

B. Video Photography

Provide video and audio DVD of the site prior to placing markings of any kind on the pavement, saw cutting or removal of materials. The DVD shall be new and previously unexposed and shall be playable on a DVD player and computer.

The video company shall be a professional photographer approved by the Owner. The video shall be in full color.

C. Description

Identify each DVD on its cover. List name of project, orientation of view, date and time of view, name and address of photographer.

D. Technique

Provide factual presentation. Provide correct exposure and focus, high resolution and sharpness. Video and audio capture of the construction area from a vehicle moving at a slow rate of speed to permit Owner to view the DVD and determine pre-existing conditions. Provide audio explanation of pavement failure areas and of other items which require special notation.

Areas of local distress shall be video captured with the camera held without moving, using zoom control to record pavement cracking and alligatoring.

E. Submittals

Contractor shall deliver the DVD within three (3) calendar days after exposure with transmittal letter. The Owner will retain one of each DVD which will be the permanent record.

16. **GEOLOGICAL INFORMATION**

It is the Contractor's responsibility to examine the site and perform any and all testing and evaluations necessary from which to draw conclusions regarding:

- 1. The ease or difficulty of excavation.
- 2. The presence, nature and extent of any rock.
- 3. The depth and quantity of groundwater.
- 4. The stability of excavations.
- 5. The suitability and quantity of excavated materials for pipe bedding and backfill or sources for importing bedding and backfill materials.
- 6. All excavation shall be unclassified and it shall be the Contractor's responsibility prior to submitting his proposal to familiarize themself with the conditions that they may encounter during construction of the Contract Work. All costs for excavation for all soil's conditions (including any groundwater or required rock excavation) shall be included in the Contractor's applicable bid prices for constructing the various improvement facilities and no additional compensation shall be made therefore.
- 7. The following geotechnical investigations and reports were prepared:
 - A geotechnical investigation dated March 8, 2022 by Converse Consultants was performed to evaluate the surface and subsurface conditions at the site in order to provide recommendations for engineering design. Said report is attached to these specifications under Appendix G.

Where investigations of subsurface conditions have been made by the District in respect to foundation or other structural design, and that information is shown in the

plans, or included in the Specifications, said information represents only the statement by the District as to the character of material which has been actually encountered by it in its investigation, and is only included for the convenience of bidders. Investigations of subsurface conditions are made for the purpose of design, and the District assumes no responsibility whatever in respect to the sufficiency or accuracy of borings or of the log of test borings or other preliminary investigations, or of the interpretation thereof, and there is no guaranty either expressed or implied, that the conditions indicated are representative of those existing throughout the work, or any part of it, or that unlooked for developments may not occur. Making such information available to bidders is not to be construed in any way as waiver of the provisions of the first part of this article and bidders must satisfy themselves through their own investigations as to conditions to be encountered.

The geotechnical material contained in these bidding documents is intended only to assist Contractor in preparing his bid and to provide information regarding geotechnical construction requirements. The District does not guarantee the present or future validity of this material, and the material is in no way to be construed as a warranty of geologic conditions. Personal investigation by the Contractor is mandatory so that they can satisfy themself with regard to all geologic conditions affecting the Work hereunder. All costs for excavation for all soils and soils conditions shall be in the Contractor's bid prices for the applicable site Work and facilities, and no additional compensation shall be made therefore.

17. TYPE OF WATER PIPELINE

The type of water pipeline to be supplied by the contractor is specified on the plans. In general, the contractor shall supply PVC AWWA C-909 for all pipelines 12-in diameter and under and PVC AWWA C-900 for 16-in and 18-in diameter pipeline. No coring of C-900 pipe will be allowed.

18. PRIORTIY CONNECTIONS

The Owner reserves the right to require that certain connections to existing water lines be completed as first priority work avoid shut-down of Owner's facilities during periods of high water demands.

19. CONNECTIONS TO EXISTING IRRIGATION SYSTEM

Contractor shall furnish and install connections to the existing irrigation system at locations shown on Drawings, and perform all work required including any necessary field measurements, cuts-to-fit, temporary connections, and field fabrications AS REQUIRED TO MEET EXISTING CONDITIONS.

Contractor shall construct all said connections so that any downtime of existing irrigation systems, due to connection work, shall occur during normal working hours as directed by Owner. However, Owner reserves the right to require the connections be made after normal working hours if the conditions warrant.

CONTRACTOR SHALL COOPERATE WITH OWNER IN SCHEDULING ALL CONNECTIONS, AT LEAST FIVE (5) WORKING DAYS IN ADVANCE.

Owner will operate all existing valves necessary for Contractor to accomplish said connection work.

Contractor shall conduct his work activities in order that the existing irrigation system will be kept in service until after the proposed pipelines are operational, and all services are transferred to the new recycled watermain.

20. ALLOWABLE VARIATIONS IN PIPELINE ALIGNMENT

The pipeline alignment, as shown on the Plans, was determined form record land net data and interference information obtained from utility agencies. The alignment shown on the Drawings is the alignment for bidding purposes. After the award and prior to the commencement of construction, it will be necessary to review the pipeline alignment with the potholing information conducted and submitted by Contractor prior to Contractor's submittal of pipe fabrication and shop drawings, since experience shows that field conditions can often be different than recorded information regarding interference facilities.

The basic procedure to be used to verify (or adjust) pipeline alignment prior to submittal of pipe fabrication and shop drawings is as follows:

- A. Using the pipeline alignment shown on the Plans as a guide, Contractor shall field pothole all underground utilities needed along the route of the pipelines.
- B. Contractor shall submit potholing report prior to submittal of pipe fabrication and shop drawings for approval. The report shall include the horizontal and vertical location of those utilities and point of connections. Contractor shall identify the conflicts with installation of the water pipelines. Contractor shall also validate the horizontal alignment location and vertical profile shown on the construction drawings if no conflict exists.
- C. Upon receiving the potholing report the Engineer will review or, where necessary, make modifications to accommodate the utility conflict.

- D. Contractor shall then submit pipe fabrication and shop drawings based on the modified construction drawings
- E. The specifications provide that the Owner may vary pipe alignment (ALL AT NO ADDITIONAL COST TO THE OWNER AND NO TIME EXTENSION WILL BE AWARDED).

These modifications shall be recorded by the Contractor on the "As-Built" drawings.

21. WATER PIPELINE COVER

All pipelines shall be installed with no less than 60" of cover unless otherwise shown on the Drawings or approved by the Engineer.

22. ON-SITE SERVICE INSTALLATIONS

The contractor shall be responsible for furnishing and installing the meter lateral per the sizes shown on the plans. The contractor shall also be responsible for installing the meter boxes (unless existing meter box is to be used), the meters themselves (unless existing meter is to be used), and the removal and disposal of the existing meter laterals, meter boxes and meters. See Item 40 – Project Phasing Requirements for additional details.

23. SEWER LATERAL CROSSING

The exact location of existing sewer laterals and their depths are not known. Contractor shall contact the District for assistance regarding the <u>approximate</u> location of sewer laterals, and contractor shall be required to use caution when excavating near suspected locations of sewer laterals. In case of damage to the existing sewer laterals as a result of construction, the Contractor shall make the necessary repairs at his expense.

In cases where the proposed watermain must cross <u>under</u> existing sewer laterals as determined by Engineer, in order to maintain design grade or to avoid conflict in grade, the Contractor shall construct the crossing, in accordance with JCSD Standard Drawing No. A-10 "Typical Sewer Lateral Crossing Over Watermain" attached in the back of these specifications. Payment for these special crossings will be made in accordance with the unit bid price for each crossing, and no additional compensation will be made therefore.

24. WATER APPURTENANCES ACROSS EXISTING UTILITIES

Contractor shall be aware that installation of appurtenances (air vac, blow-off, fire hydrant, etc.) may need field adjustment (possibly four (4) 45° bends/fittings may be needed), per installation, to avoid existing utilities.

Contractor shall include these expenses in the appropriate bid item(s). No additional compensation will be allowed.

25. EXISTING UNDERGROUND UTILITIES

Contractor shall understand that the existing underground facilities as shown on Drawings are from record drawings and limited pothole information. Also, other underground facilities may exist. Therefore, it shall be Contractor's responsibility to locate, protect, preserve, etc., all existing underground or overhead facilities, in accordance with other applicable provisions of Special Requirements, Basic Specifications, and Drawings.

26. CONTRACTOR'S SCHEDULE OF WORK

Within seven (7) calendar days from the time the Contract is executed, the Contractor shall submit practicable schedules shown the order in which the Contractor proposes to carry on the work. Additionally, the contractor shall submit the anticipated starting and completion dates for these activities, including expected dates (both delivery and installation) for the required submittal data. The Contractor's schedule shall reflect progress of project as work is being completed. The schedule shall generally provide the following main items along with corresponding details:

- Pre-Construction Video (above ground)
- Potholing
- Submittals
- Review and Approval Period
- Material Delivery
- Environmental Mitigation Measures
- Schedule of Construction
 - Potholing and Verify Existing Facilities
 - Installation
 - Testing
 - Abandonment
 - Demolition
 - Final Site Work and Cleanup

Contractor shall submit updated project schedules to District as follows:

- Once per month after Contractor receives written "Notice of Award" of contract
- Twice per month when Contractor has mobilized for construction
- Any time a change in the schedule and/or change in work has occurred
- Submitted with progress pay requests (status/completion items as shown on the schedules shall be consistent with the progress pay requests)

The District reserves the right to approve or alter the Schedule proposed by the Contractor, prior to the start of work. Additionally, the District may establish priorities for completion of certain parts of the work which may be necessary to provide certain services or which the District may deem advisable in the interest of public safety and convenience.

The construction schedules submitted shall be consistent in all respects with the time requirements of the contract.

27. TRAFFIC CONTROL

Traffic control plans have been prepared for installation of the waterline and are a part of the bid package as Appendix H. Contractor may utilize the prepared traffic control plans for the work and assume all liability for the traffic control plans and any revisions that may be required in the field. If utilized by the Contractor, Contractor shall be responsible to submit the prepared traffic control plans for approval to the City of Eastvale and the City of Jurupa Valley as part of the Encroachment Permit application. If the Contractor desires to not utilize the prepared traffic control plans, the Contractor shall be fully responsible to prepare and submit traffic control plans for approval by the City of Eastvale and City of Jurupa Valley. It shall be the Contractor's responsibility to implement said traffic control plans, maintain traffic warning signs, barricades, flagmen, and other traffic control devices as required to maintain traffic, and as required by agencies having jurisdiction over the roadways in the work area. The Contractor shall be responsible for traffic control during his work activities as well as for all surveying and inspection activities which subject any employee to traffic danger of any kind. The Contractor shall maintain access to properties adjacent to the construction area at all Contractor shall restore and maintain temporary traffic markings during times. construction.

It shall be the Contractor's responsibility to have a traffic control plan prepared under the supervision and signed by a Civil Engineer or a Traffic Engineer registered in the State of California for all grind and overlay work and repaving work done for this project. It shall be the Contractor's responsibility to prepare, submit and obtain approval of said traffic control plan from the City of Eastvale and City of Jurupa Valley prior to

beginning the grind and overlay activities. This plan shall include but not be limited to signing plan, traffic control plan, detour plan, etc. Contractor shall comply with any and all work hours required by County such as night work, limited work hours, etc. and all costs and time shall be included at no additional cost to the contract.

The Contractor shall apply, obtain, pay for, and comply with all riders and permits and all provisions of the City of Eastvale and City of Jurupa Valley Encroachment Permit and the respect to maintaining the flow of traffic during construction. The Contractor shall account for all costs associated with the riders in the appropriate bid item numbers of the Bid Schedule. No additional cost or time will be awarded to the contract due to delays in the permit process and traffic control plans review and approval process.

28. PROTECTION OF SURVEY MONUMENTS

It shall be the Contractor's responsibility to protect all existing survey monuments, if possible. Existing survey monuments have not been identified on the plans. Contractor shall determine the existence of any and all survey monuments and account for them in their bid. If a survey monument is going to be disturbed, the monument shall be tied out prior to start of construction and reset after construction. Removal of such monuments or displacement thereof shall require their resetting per the existing type of monument. The cost of tie-out resetting such monuments shall be the financial responsibility of the Contractor. Contractor is advised that tie-out and resetting of monuments must be done by a registered civil engineer authorized to practice land surveying or licensed land surveyor at no additional cost to the contract. The following table summarizes survey monuments within the project area that requires protection, tie-out, resetting. This information is provided for assistance to the Contractor only and may not be all inclusive. The Contractor shall field verify all monuments utilizing a Professional Licensed Land Surveyor registered in the State of California. Work performed under the Section, including monument presentation, shall comply with Business and Profession Code Section 8771.

29. PROTECTION/ACCESS OF PRIVATE PROPERTIES

Protection of private properties adjacent to the Project site against flooding and other hazards caused by construction is of the utmost importance. All protection and safety measures shall be provided by the Contractor. All costs for this Work shall be included in the original bid and no additional compensation will be allowed. The Contractor shall protect in place or replace in kind all driveway approaches, landscaping, fencing, wall, mailboxes, landscaping, etc. disturbed by the Work. Contractor will be required to provide complete unobstructed access to each resident's driveway at the end of every workday. Contractor shall be responsible for providing emergency vehicle access to each resident's house and around the work site at ALL

times. Contractor shall notify the local fire department, sheriff department and ambulance services and provide them with access routes through the construction area and a schedule indicating when access through any street will be obstructed by performance of the Work.

Contractor shall comply with local ordinances concerning noise abatement. Noise suppression shall be practiced at all times to minimize disturbance to persons living or working nearby, and to the general public. Measures for noise suppression shall include, but are not limited to, equipping all internal combustion engines with critical residential silencers, shielding noise-producing operations and equipment from nearest areas of occupancy, and conducting operations in the most effective manner to minimize noise generation consistent with prosecution of the Contract in a timely and economic manner.

Sound levels shall be kept below 65 dba, 10 minute LEQ, at all times, as measured at any neighboring residence. Should complaints be filed by surrounding property owners with the Code Enforcement Division of Jurupa Valley, the Contractor shall submit a noise monitoring report, which will include steps to mitigate the excessive noise levels.

All costs associated with this special condition, including all compliance, reporting, monitoring, and mitigation activities, shall be Contractor's sole responsibility and included in the bid, and no additional compensation will be allowed.

30. PROTECTION OF EXISTING IMPROVEMENTS, RESTORATION OF WORK SITE AND DISPOSAL OF SPOIL AND WASTE MATERIALS

Contractor shall complete operations so that existing improvements (including road and other paved surfaces adjacent to or in the vicinity of the work site) are not damaged. Contractor shall repair and restore, at Contractor's expenses, all disturbed or damaged private or public improvements which results from Contractor's operations (except that which is specifically a part of the contract work) to the satisfaction of the District, or the agency having jurisdiction over said improvements.

All work sites shall be restored to pre-job conditions and shall meet the requirements of District, Agencies who have jurisdiction and property owner(s). The Contractor shall repair or replace at his expense the damages as directed by District.

The District is obligated to keep visual impact of the work sites to a minimum; therefore, the Contractor is required to restore all areas altered by construction to pre-existing conditions, unless shown otherwise on the Drawings. Such areas shall include, but shall not be limited to areas used for travel, parking, and storage of vehicles, equipment and materials or adjacent areas impacted by facilities construction.

The Contractor shall be responsible for the proper disposal of all waste materials resulting from project operations, including rubbish, packaging materials, discarded equipment parts, and damaged construction materials, in a manner and at locations suitable to the District and all health and other regulatory agencies.

31. LINES AND GRADES

All work under this Contract shall be built in accordance with the lines and grades as shown on the plans. Distance and measurements, except elevations and structural dimensions, are given and made on horizontal planes. For pipeline work, the Surveyor will provide offset line and grade stakes at ground level and will furnish cut sheets therefore. The Contractor shall be responsible for transfer of such offset line and grade into the trench for construction of the work and for accuracy of such transfer. Cost of such transfer shall be included in the unit prices bid for the work and no extra compensation will be made to the Contractor. The Contractor shall preserve bench marks, survey stakes, and points sets for lines, grades, or measurement of the work in their proper places until authorized by the Project Engineer to remove them.

32. CONTROL DENSITY FILL (CDF)

The Contractor will be required to use CDF as backfill in areas under and around existing utilities as indicated on the drawings and when crossing under existing utilities depicted on the drawings by the sewer line. All costs associated with furnishing and placing CDF shall be included in the applicable bid item(s) for furnishing and installing the gravity mains and force mains. Mix design shall be specified in the Standard Specifications Section 201 - Concrete Mortar and Related Items; Table 201-1.1.2A) for trench backfill slurry.

33. MISCELLANEOUS SPECIAL CONDITIONS

A. PROJECT MEETING

- 1. ATTENDEES. Unless otherwise specified or required by the Owner, the meetings shall be attended by the Owner, the Engineer, the Inspector, and the Contractor and his Superintendent. Subcontractors may attend when involved in the matters to be discussed or resolved but only when requested by the Owner, Engineer, or Contractor.
- 2. MEETING RECORDS. The Owner or the Engineer will record minutes of each meeting and will furnish copies to the Contractor within five (5) working days thereafter. If the Contractor does not submit written objection to the contents of such minutes within seven (7) days after presentation to them, it shall be understood and agreed that the

Contractor accepts the minutes as a true and complete record of the meeting.

- 3. MEETING SCHEDULE. The dates, times and locations for the progress meetings shall be agreed upon and recorded at the preconstruction conference. Then after, changes to the schedule shall be by agreement between the Owner and Contractor, with appropriate written notice to all parties involved.
- 4. PRECONSTRUCTION CONFERENCE. Prior to issuance of the Notice to Proceed, a preconstruction conference shall be held at the location, date, and time designated by the Owner. In addition to the attendees named herein, the meeting shall be attended by the representatives of regulatory agencies having jurisdiction of the Project, Owners and Operators of affected utilities, if required, and such other persons the Owner may designate. The Contractor performing the electrical work for the Owner will be present, if requested by the Contractor of this contract.
- 5. EXECUTION AND SUBMITTAL OF DOCUMENTS. At the preconstruction conference, unless otherwise specified or agreed by the Owner and Contractor, the Contract Agreement shall be executed by the parties hereto and the Contractor shall present to the Owner the Bonds, certificates of insurance, progress schedule, schedule of values, written safety program, and all other preconstruction documents required of them by the Contract Documents.
- 6. AGENDA. In general, the matters to be discussed or resolved and the instructions and information to be furnished to or given by the Contractor at the preconstruction conference include:
 - (1) Progress meeting schedule.
 - (2) Progress schedule and schedule of values submitted by Contractor.
 - (3) Communication procedures between the parties.
 - (4) The names and titles of all persons authorized by the Contractor to represent and execute documents for them with samples of all authorized signatures.
 - (5) The names, addresses, and telephone numbers of all those authorized by the Contractor to act for them in emergencies.

- (6) Construction permit requirements, procedures, and posting.
- (7) Public notice of starting Work.
- (8) Procedures concerning the installation of Work on public or private property not owned by the Owner.
- (9) Interfaces with other Contractors or with utility owners.
- (10) Access and rights-of-way furnished by the Owner.
- (11) Forms and procedures for Contractor's submittals.
- (12) Change Order forms and procedures.
- (13) Payment application forms and procedures and the revised progress schedule and reports to accompany the applications.
- (14) Contractor's safety and training program, and designation of the Contractor's Safety Officer and his qualifications.
- (15) First aid and medical facilities to be furnished by Contractor.
- (16) Contractor's provisions for barricades, traffic control, utilities, sanitary facilities, and other temporary facilities and controls.
- (17) Project sign for Owner if required by the Specifications.
- (18) Engineer, Inspector and his duties.
- (19) Construction surveyor and initiation of surveying services.
- (20) Testing laboratory or agency, and testing procedures.
- (21) Methods of construction proposed by the Contractor.
- (22) Equipment proposed for use during construction by the Contractor.
- (23) Procedures for payroll and labor cost reporting by the Contractor.
- (24) Procedures to ensure nondiscrimination in employment on and for the Work.

- (25) Issuance of the Notice to Proceed.
- (26) Matters concerning construction within the city/county (traffic, police, fire, mail and waste collection services).
- 7. PROGRESS MEETINGS. The meetings shall be held on a bimonthly basis in accordance with the agreed schedule. All matters bearing on the progress and performance of the Work since the preceding progress meeting shall be discussed and resolved, including without limitation any previously unresolved matters, deficiencies in the Work or the methods being employed for the Work, and problems, difficulties, or delays which may be encountered.
- 8. SPECIAL MEETINGS. Upon appropriate notice to the other parties, special meetings may be called by the Owner, Engineer, or Contractor. Special meetings will be held where and when designated by the Owner for the following purposes unless the matters are resolved at the preconstruction conference or at subsequent progress meetings.
- 9. REGULATORY AGENCIES. When requested, the Contractor shall attend meetings held or required by the governmental regulatory agencies having jurisdiction of the Project or by various California State agencies or Owners of affected utilities.

B. REIMBURSEMENT TO OWNER FOR COMPACTION RE-TESTS

The Owner will arrange for a soils engineering laboratory to perform the trench compaction testing for the water pipeline. The Owner will pay for required compaction tests, with the exception that the Owner shall be reimbursed by the Contractor for any compaction tests that fail to meet the minimum relative compaction requirements. The Bidder is hereby notified that the amount of the reimbursement to the Owner shall be <u>Seventy-Five Dollars (\$75.00)</u> for each required retest for insufficient compaction, said amount includes costs for testing, overhead and administration.

C. PARTIAL PAYMENT REQUESTS

Contractor shall submit all invoicing and requests for payment for completed portions of the work directly to the Engineer for approval on a form approved by the District. Said invoicing shall be submitted at intervals no less than thirty (30) calendar days.

D. CONTRACTOR'S FIELD SUPERINTENDENT

The Contractor shall be required to have a field superintendent, <u>from his organization</u> at the jobsite <u>during</u> construction activities to manage the affairs of the Contractor and to receive directions or instruction from the District. Contractor shall provide the District with a 24 hour emergency phone number for field superintendent prior to beginning of construction.

E. COOPERATION WITH OTHER CONTRACTORS

The Contractor shall cooperate with other contractors that are working within the project area, as directed by the District.

F. REQUIRED CERTIFIED PAYROLL SUBMITTALS

The Owner shall require the Contractor to submit Certified Payroll records per the Section entitled "Prevailing Wage" of the General Provisions. The Contractor shall prepare said certified payroll records on a form acceptable to and approved by the District; and the certified payroll records shall be submitted with each partial payment request.

G. AS-BUILT DRAWINGS

The Contractor shall be responsible for maintaining one up-to-date set of as-built drawings, on the job site, available for review by the District representative. These drawings shall be clean, neat, legible and show deviations from the original plan and profile design. This set of as-built drawings shall be submitted for review on a monthly basis and given to the District upon project completion. The Notice of Completion will not be filed until the District receives the as-built drawings.

Failure to provide acceptable up-to-date as-built drawings as required herein is considered a material breach of the Contract and shall result in withholding of progress payments and/or final payment at the sole discretion of the District. Failure to submit the final as-built drawings shall of and by itself, be grounds for assessment of liquidated damages not withstanding any other contractual action which may be taken.

Full compensation for conforming to the above requirement will be considered as included in the prices bid for various contract items of work and no additional compensation will be allowed therefore.

34. PROJECT SIGNAGE

The Contractor shall construct and maintain one (1) project sign, to be located at the southeast corner of the intersection of Archibald Ave. and 65th Street. Precise location to be determined by JCSD.

The sign shall be 4 feet x 8 feet and erected and maintained by the Contractor at or near the project site. Sign locations will be coordinated with JCSD. Sign shall be made of ¾" thick AC exterior plywood. Sign shall be white with black lettering and multicolored logos. Paint and lettering is all weather grade and suitable for long term outdoor exposure throughout the duration of the project. Contractor shall provide for all maintenance, repair, restoration as required, provide for all graffiti abatement, all at no additional cost to the contract for the duration of the project. The sign shall be prepared in a professional manner.

The Contractor shall submit a prototype of the signs with the final sign/lettering dimensions, lettering layout, font size and type to JCSD for approval prior to construction. The signs shall include, but not be limited to the following:

- Project Title
- Total Project Cost
- Project Dates
- Estimated Construction Duration
- Community Involvement Contact
- JCSD Color Logo
- Names of Board of Directors

A sample of the project signage is attached in **Appendix I** for reference.

35. RESTORATION OF NON-PAVED AREAS

For all disturbed non-paved areas, such as dirt shoulders, unimproved areas, trails, lawns, turf, etc. due to Contractor's activities. Contractor shall restore and recompact these areas per the applicable sections of these Plans and Specifications. Contractor shall coordinate with and restore said areas to the satisfaction of the City of Eastvale's and City of Jurupa Valley's inspector, property owner, agencies/ entities having jurisdiction of said properties. Contractor shall provide for all equipment, effort, labor, materials all at no additional cost to the contract.

36. PAVEMENT REPAIR, REPLACEMENT, AND RECAPPING

Pavement saw cutting, removal, restoration, grind, capping, replacement and trench repair shall comply with the City of Eastvale and City of Jurupa Valley encroachment permit requirements. City of Eastvale and City of Jurupa Valley Encroachment Permit requirements shall govern if more stringent. No additional compensation will be granted. For the City of Eastvale, the AC cap material shall be rubberized throughout the Project within the City of Eastvale. The rubberized asphalt mix design shall be ARHM-GG-C1/2" PG-64-16.

The Contractor shall inspect the existing pavement prior to preparation of Bid. Contractor shall repair any pavement damaged by this operation. Contractor shall restore aggregated base and asphalt concrete within the pipe trench to provide solid foundation for overlay.

For each appurtenance crossing beneath curb and gutter, Contractor shall remove and replace existing curb and gutter. During replacement of curb and gutter, Contractor shall replace in kind sections of curb and gutter between existing construction joints.

Where appurtenances will be installed in existing concrete, rubberized asphalt concrete or asphalt concrete pavement areas, Contractor shall remove and replace sections of sidewalks, rubberized asphalt concrete or asphalt concrete pavement areas as required to accommodate said appurtenances. Areas shall be saw cut and sidewalks shall be removed in complete panels at existing joints. If colored of textured pavement or sidewalk is removed, Contactor shall replace with colored and/or textured pavement or sidewalk to match existing.

Where pipelines or appurtenances are constructed underneath existing concrete spandrels or cross gutters, Contractor shall remove and replace said spandrels or cross gutters. Spandrels or cross gutters shall be sawcut at existing construction joints and removed unless directed otherwise by the Owner.

Grind and Overlay:

All – Grind and cap 1 ¼ inch thick AC for one lane (minimum 12') where the main(s) is (are) located. Within the City of Eastvale and City of Jurupa Valley, the grind and cap shall extend from gutter lip to the double yellow line. Grind and cap 1 ¼ inch

thick AC for appurtenances 1.0 foot on each side of the disturbed areas. If main(s) is (are) in lane adjacent to curb, grind and cap to the gutter lip (including shoulder). Contractor shall grind and cap any other damages that occurred during construction.

37. COMPENSATION FOR UNKNOWN UTILITY

Compensation for the unit bid price for unknown utility shall include compensation for loss of production, idle time, backfill, slurry backfill (up to 5 cubic yard) if needed, installing under, support, overhead, or any other cost associated with the unknown utility if multiple conduits are crossing within 5-feet of each other they (may be in-cased in concrete) shall be considered a single crossing.

38. ADDITIONAL ENVIRONMENTAL REQUIREMENTS

Mitigation measures are incorporated into this project to reduce environmental impacts identified in the project initial study to below the level of significance. The Contractor shall comply with all the conditions identified in the project's Initial Study Mitigated Negative Declaration (ISMND). The Contractor shall be responsible for the compliance of his personnel and his subcontractors with the ISMND and for cooperation with the Owner in the implementation of mitigation measures.

A copy of the Environmental Mitigation Monitoring and Reporting Program checklist has been included in **Appendix J** to specify the mitigation measures that the Contractor is required to implement. All costs associated with the special requirement shall be included in the bid for various contract items and no additional compensation will be allowed. The required mitigation measures for this project are as follows (see **Appendix J** for description of each mitigation measure):

- MM BIO 1
- MM CR 1 AND 3
- MM GEO 1
- MM TRANS 1
- MM NOISE 3 AND 4
- MM TRANS 1

39. GRANTS AND STATE REVOLVING FUND LOAN REQUIREMENTS

The Regional Recycled Water Pump Station Project will be funded by a State Water Resources Control Board, State Revolving Fund (SRF) Loan. Contractor shall assist the District in meeting the federal and state requirements that apply to the scope of work specified in the Contract Documents. These requirements include, but are not limited to, the State Prevailing Wages, American Iron and Steel, Federal Davis-Bacon, Federal Disadvantaged Business Enterprise (DBE), Single Audit, Records, etc. All subcontractor contracts shall also include the grant requirements in its entirety. Refer to **Appendix J** for specific SRF Loan requirements.

40. PROJECT PHASING REQUIREMENTS

The general phasing of the project shall comply with the following general schedule. The Contractor shall be responsible for preparing and submitting for approval a construction schedule that complies with these general phasing guidelines and restrictions.

The District recommends the deployment of multiple crews to complete this project successfully. This will facilitate timely completion and ensure operational efficiency.

However, the City of Eastvale may restrict the work of crews on the same street or within the immediate vicinity of each other unless the City approves it at its discretion. The restriction is intended to prevent congestion, ensure safety, and minimize disruption to the local community. The restriction applies unless the City grants a special exemption. The contractor shall propose their intended work plan, including crew size, location, and traffic control plans, to the City for approval. No additional compensation will be allowed for the above-mentioned requirements.

Prior to any connection to an active recycled water system (any system that is actually supplied with recycled water), all connections to a potable water system must be severed and removed from operation. The Contractor is responsible for ensuring the construction sequencing ensures that restriction is enforced to protect public health and safety.

Anticipated Construction Sequencing:

- Pipeline Contractor installs, and pressure tests the recycled water (RW) service lateral and terminates:
 - a. Into meter box back of curb;
 - b. Into meter box back of sidewalk; or
 - c. For the larger services (3" and greater) terminate back of sidewalk adjacent to existing meter vault.
- Pipeline Contractor shall furnish and install the RW meters and AMI unless existing meter is being used then Pipeline Contractor shall furnish and install the AMI.
- 3. Pipeline Contractor shall furnish and install meter boxes unless existing meter box is to be used.
- 4. Pipeline Contractor shall install the service laterals, meter boxes and meters.
- 5. Pipeline Contractor leaves the existing potable water (PW) connection to the irrigation system at the Customer site in place.
- 6. Pipeline Contractor shall complete the following in order to supply the Customer site via the new RW pipeline with potable water until RW is available via the Pump Station:
 - a. Completes temporary PW connections to the RW pipeline (refer to design plans on locations and details)
 - b. Completes hydrostatic pipeline testing in segments (refer to specifications)
- 7. Retrofit Contractor responsibilities:
 - Contractor completes cross-connection testing and obtains approval from DDW

- b. Disconnects the existing PW connection to the irrigation system at the Customer site turning off the PW meter and removing the RPPD backflow preventer.
- c. Connects the Customer irrigation system to the RW service connection (i.e. new meter)
- d. Informs JCSD that they are ready to connect to the new RW meter(s)
- e. JCSD takes initial reading of the new RW meter(s).
- f. JCSD takes final reading of the old PW meter
- g. Activates the new RW connection.
- 8. Pipeline Contractor responsibilities once the new RW meter has been activated by the JCSD then the following can happen:
 - a. Contacts JCSD that they are ready to abandon the old PW connection.
 - b. Abandons the PW connection in the street per JCSD Std. Dwg. No. R/NP-09.
 - c. Removes and disposes existing meter box and meter. Returns meter to JCSD.
 - d. Makes any street, sidewalk, or landscaping, restorations required per plans, specifications, or by the Cities of Eastvale and Jurupa Valley permit requirements.

41. JCSD RECYCLED WATER STANDARD DRAWINGS

A copy of JCSD Recycled water standard drawings are provided in **Appendix B** for contractor's reference.

42. MESSAGE BOARDS

The Contractor shall provide advanced warning message boards at least 7 working days prior to construction. These boards are intended to inform the public about the planned construction within each section of work prior to the contractor mobilizing in

this area for pipeline installation. Other work such as potholing can proceed without the message boards. The Contractor shall submit the message board text to JCSD and the City for approval prior to mobilization of the message boards. The work locations and message board locations are shown on the Traffic Control Plans (Appendix H).

43. WATER METER SERVICE ABANDONMENT

Following the final connection of each water meter to the recycled water system and before the final pavement, the Contractor shall abandon each water meter service on the potable water pipeline that is reconnected to the proposed recycled water pipeline. The details for the abandonment are shown in Drawing No. D-9 (**Appendix B**). Option B shall be utilized for abandonment of all existing services 2-1/2" and smaller for services located on/within 65th Street, Archibald Ave., and Harrison Ave. Option A shall be utilized for abandonment of all existing services 2-1/2" and smaller for all remaining streets. The Contractor shall include all costs for traffic control, excavation, abandonment, fittings and materials, re-compaction, temporary pavement, permanent pavement repair / overlay and water shutdown coordination and dewatering in the appropriate bid items for the abandonment work.

44. COORDINATION WITH SCHOOL DISTRICT

Certain sections of this project are in public rights-of-way in front of or adjacent to public schools for the Corona-Norco Unified School District. Contractor, JCSD, and JCSD's Construction Manager shall meet with the school district prior to the start of construction and present the construction schedule to the school district for review and approval. The following is a brief description of the of the schools impacted by the project and the proposed construction window for each school:

Rosa Parks Elementary School and Dr. Augustine Ramirez Intermediate School

Rosa Parks Elementary School and Dr. Augustine Ramirez Intermediate School have a year around school calendar with limited long-duration breaks. It is proposed that construction along Harrison Ave. and Whispering Hills take place during the school's Winter Break (below), which provides the contractor 15 calendar days to install approximately 2,600 linear feet of pipeline.

 Winter Break – December 22nd – January 7th (15 calendar days – Christmas and New Years included)

45. GEOTEXTILE FABRIC MATERIAL AND INSTALLATION

PART 1 – GENERAL

1.01 Description

- A. This specification covers the requirements for non-woven geotextile fabric to be used as a wrapping material around the pipe zone backfill of a pipeline trench. The purpose of the geotextile fabric is to prevent the migration of fine soil particles into the pipe zone backfill and to provide mechanical protection for the pipeline.
- B. This specification does not cover geotextiles used for any other requirements or purposes from that indicated above.

1.02 Submittals

- A. The Contractor shall submit the following information to the Engineer for approval at least 14 calendar days prior to the installation of the non-woven geotextile fabric:
 - 1. A certificate of compliance from the manufacturer stating that the geotextile fabric meets the requirements of this specification.
 - 2. A sample of the non-woven geotextile fabric, not less than 12 inches by 12 inches, with the manufacturer's name, product name, and lot number clearly marked.
 - 3. A product data sheet from the manufacturer providing the physical and mechanical properties of the non-woven geotextile fabric.
 - 4. The name, address, and contact details of the geotextile fabric manufacturer and supplier.
 - 5. The product name, model number, and specifications of the geotextile fabric, including material type, weight, thickness, tensile strength, elongation, permeability, porosity, and ultraviolet resistance.
 - 6. The quality control and quality assurance procedures of the geotextile fabric production and testing, including certificates of compliance with relevant standards and test results from an independent laboratory.
 - 7. The proposed method and equipment for handling, storing, transporting, cutting, laying, joining, sewing, overlapping, repairing, anchoring, and covering the geotextile fabric, including sketches or drawings showing the layout, overlaps, seams, and anchorages.

- 8. The estimated quantity and schedule of the geotextile fabric delivery and installation.
- B. The Contractor shall not install the geotextile fabric until the Engineer has approved all the submittals listed above.

1.03 Quality Assurance Procedures

- A. The Contractor shall ensure that the geotextile fabric is stored, handled, and installed in accordance with the manufacturer's instructions and recommendations. The Contractor shall protect the geotextile fabric from damage by sunlight, moisture, chemicals, heat, flames, or mechanical forces. The contractor shall repair any damaged or defective geotextile fabric with the same material and methods approved by the Engineer.
- B. The engineer may inspect and test the geotextile fabric at any stage of delivery, storage, or installation. The installation shall be inspected to ensure proper placement and anchoring of the geotextile fabric. The engineer may reject any geotextile fabric that does not meet the requirements of this specification or that shows signs of deterioration or damage. The contractor shall remove and replace any rejected geotextile fabric at no additional cost to the District.
- C. The District may require the contractor to perform field tests on the geotextile fabric, such as grab tensile strength, puncture resistance, and permeability, in accordance with the relevant ASTM standards. The Contractor shall provide all the necessary equipment, materials, and labor for the field tests. The field tests shall be performed on randomly selected samples of the geotextile fabric, at a frequency of one test per 5,000 square feet of geotextile fabric installed.

1.04 Payment

A. Payment for non-woven geotextile fabric material will be made at the contract unit price per linear foot for geotextile fabric and shall be considered full compensation for furnishing labor, materials, tools, equipment, and incidentals, and for doing all work involved in furnishing and installing, complete in place, as shown on the plans, specifications, and these special requirements, and as directed by the Engineer, and no additional compensation will be allowed therefore.

PART 2 - PRODUCTS

2.01 Material

- A. The geotextile fabric shall be non-woven material, consisting of polypropylene fibers bonded together by chemical, mechanical, heat or solvent treatment. The geotextile fabric shall be resistant to ultraviolet deterioration, biological and chemical degradation in the soil, rotting, chemical attack, and normal temperature variations.
- B. The non-woven geotextile fabric shall have the following minimum physical and mechanical properties when tested in accordance with:
 - 1. Grab tensile strength: 200 lbs (ASTM D4632)
 - 2. Elongation at Break: 50% (ASTM D4632)
 - 3. Puncture resistance: 100 lbs (ASTM D4833)
 - 4. Trapezoid tear strength: 80 lbs (ASTM D4533)
 - 5. Apparent opening size: 70 US Sieve (ASTM D4751)
 - 6. Burst Strength: 400 psi (ASTM D3786)
 - 7. Ultraviolet light resistance: 70% retained strength after 500 hours exposure (ASTM D4355)
- C. The geotextile fabric shall be free of defects, flaws, tears, holes, or other damage that may affect its performance. The geotextile fabric shall be delivered to the site in rolls with protective wrapping and clearly labeled with the manufacturer's name, product name, lot number, roll number, roll dimensions, and roll weight. The geotextile fabric shall be stored in a dry and shaded area and protected from damage, deterioration, or contamination. The geotextile fabric shall be compatible with the soil and the pipe zone backfill material.
- D. The non-woven geotextile fabric shall be manufactured in the USA by one of the following approved manufacturers or their authorized distributors:
 - 1. Tencate Geosynthetics Americas. Product name: MIRAFI S2000.
 - 2. Other manufacturers may be considered upon submission of satisfactory evidence of their ability to produce the non-woven geotextile fabric wrap that meets the requirements of this specification.

PART 3 – EXECUTION

3.01 Preparation and Installation

- A. The contractor shall install the non-woven geotextile fabric in accordance with the design plans, specifications, and manufacturer's recommendations and the following procedures:
 - 1. The trench shall be excavated and graded to the required dimensions and alignment.
 - 2. The trench bottom and sides shall be free of rocks, roots, debris, or sharp objects that may damage the geotextile fabric or the pipeline.
 - 3. The geotextile fabric shall be unrolled along the trench and cut to the required length. The geotextile fabric shall be placed with the machine direction parallel to the pipeline axis.
 - 4. The geotextile fabric shall be placed loosely in the trench, leaving enough slack to accommodate settlement and deformation. The geotextile fabric shall be secured with pins, staples, or ties at the trench walls to prevent slippage or displacement.
 - 5. The Contractor shall cover the geotextile fabric in the trench with the pipe zone backfill material and compact it in accordance with the project specifications. The Contractor shall ensure that the geotextile fabric is not displaced or damaged during the backfill placement and compaction.
 - 6. The geotextile fabric shall be laid loosely over the pipe zone backfill and wrapped around it, leaving a minimum overlap of 12 inches at the edges and ends. The overlap shall be secured with staples, pins, or ties. The overlap shall be placed in the direction of the backfill placement.
 - 7. The Contractor shall overlap the adjacent rolls of the geotextile fabric by at least 12 inches and sew or staple them together.
 - 8. The geotextile fabric shall be covered with the trench backfill material within 48 hours of installation.
 - 9. The trench backfill material shall be placed and compacted in accordance with the project specifications.

- 10. The geotextile fabric shall not be exposed to direct sunlight for more than 14 days before being covered with the final backfill.
- 11. The Contractor shall avoid wrinkles, folds, or gaps in the geotextile fabric and repair any damage or defects with patches or replacement.
- 12. The geotextile fabric shall be repaired with patches of the same material and quality if damaged during installation or backfilling. The patches shall have a minimum overlap of 6 inches around the damaged area and shall be secured with pins, staples, or ties.
- 13. The geotextile fabric shall be cut and fitted around any protrusions, such as valves, fittings, or joints, and sealed with tape or adhesive to prevent soil infiltration.

46. PROCESS FOR DEVIATION/EXCEPTION OF GEOTEXTILE FABRIC AS PER STANDARD DETAIL R/NP-2A

This section outlines the requirements for the contractor to submit requests for exemptions of installation of Geotextile Fabric as per Standard Detail R/NP-2A (Note 3). To ensure that exemptions are granted based on reliable and accurate soil sample data, maintaining the integrity and safety of the pipeline installation, the Contractor shall be required to submit documentation to the Project Engineer and Project Geotechnical Consultant for evaluation and conformance with the requirements. Contractor shall submit the items required subsequently with the submission of the potholing report. The contractor shall notify the district a minimum of forty-eight (48) hours prior to commencing such operations performed to collect exemption soil sample data. JCSD will pay for soil testing of all backfill over the pipeline. Soil testing costs associated with a deviation/exception will be the responsibility of the Contractor. The Contractor may contract directly with JCSD's geotechnical firm for those services.

A. Submittal Requirements: Please refer to the requirements as stated below. Given the scale of the project, the Contractor may submit these details in no more than two (2) packages for review and consideration. Each package shall be defined by the trench lengths as expressed in Stations and labeled as described in the details that follow. Any additional package review required shall be at the sole expense of the contractor.

- (1) Cover Letter & Formatting: In addition to the submittal transmittal cover, the contractor shall provide a cover letter detailing the sections of the trench (must be reported in Stations) for which the exemption is sought for evaluation by the district. Report shall be detailed with the soil sample testing and evaluation provided in a summarized listing and the applicable individual test sample details included in a neatly organized appendix for such locations.
- Soil Sample Testing: Contractor must conduct soil sample tests in accordance with the relevant ASTM standards or other approved testing methods as indicated within the contract specifications and the Project Soils Report (PRELIMINARY GEOTECHNICAL INVESTIGATION REPORT NON-PORTABLE WATER SYSTEM Converse Project No. 21-81-119-01, Dated March 8th 2022). The tests must be collected and performed by a certified laboratory. All testing and collection will be completed at the expense of the Contractor. Sampling shall be at a minimum of (1) sample collection taken every three hundred (300) linear feet of mainline trench and for each Lateral trench, or as required to fulfill the requirements for compaction testing as detailed within the contract documents.
- (2) Certification: The soil sample test results must be certified by a licensed geotechnical engineer employed by the contractor. The certification must include:
 - A detailed report of the soil properties.
 - An analysis of the suitability of each soil sample collected for the intended pipeline installation and the relative tendency of migration of fines.
- (3) Sand Bedding: Contractor shall include with this submittal the intended pipe zone backfill sand submitted for review by the District for reference, or for concurrent review and consideration during review of the in-situ soil sample results and properties. If provided for concurrent review, the sand shall be submitted as a separated submittal. Sand submittal shall be conformance with R/NP-2A and any additional requirements as set forth in the Geotechnical Report or Project Specifications). The following shall be included for any submittal for the Sand Bedding along with other requirements as detailed within the specifications:
 - A detailed report of the sand bedding soil properties.

 An analysis of the suitability of the soil for the intended pipeline installation and the relative tendency of migration of fines.

Review and Approval: Upon submission of all the required documentation as indicated, the District's Project Engineer and/or the District's Geotechnical Consultant will review and respond within 10 working days. The Contractor will be permitted only one additional resubmission of either submittal package as denoted above. Any subsequent resubmission in excess of one will be at the sole expense of the contractor. The project engineer and the District's Geotechnical Consultant will review the submitted documents to ensure compliance with the specification requirements. The review will include general verification of the soil sample test results and certification, and general assessment of the impact of the exemption on the overall project.

The District reserves the right to reject sections of the trench requested by the contractor for deviation from the installation of the Geotextile Fabric due to interpretation of findings within the submittal details required here-in, or per compaction testing and lab max samples collected by the District's Soil Technician taken during construction of the work should conditions vary significantly from the details provided from the contractor. Such sections of the trench rejected from exception of Geotextile Fabric shall not be entitled to any additional compensation in excess of that detailed within Bid Items of the respective Bid Schedules, nor entitled to additional contract times.

Upon approval of the trench sections, such sections of the Trench will be paid as per Bid Items for the respective Bid Schedules per the defined stationing within the district's response to the submittal package. Contractor will not be entitled for payment of excess Geotextile fabric ordered, nor for installation of Geotextile fabric determined unnecessary by the District and yet unnecessarily installed by the contractor at their own discretion.

47. STAGING AREA

Contractor will be required to secure their own staging area for the Project. Contractor is responsible for all costs associated with securing a staging area.

48. MODIFICATIONS TO EXISTING RECYCLED WATER AIR VAC ASSEMBLIES

The Contractor shall install controlled venting surge relief valves on the existing pipelines at the locations indicated in **Appendix M**. The existing air/vac assembly single body will be removed from above the existing ball valve, followed by installation of the new controlled venting valve, to be replaced in kind in terms of nominal sizing. Coordination with JCSD operations is required in order to facilitate shut-off of the existing valve and removal of the air/vac assembly. The contractor shall confirm that the proposed air vacuum release valves will fit inside the existing covers prior to submittal. The following describes the valve description and the work to be performed. Valve numbers indicated below are shown in **Appendix M** as well as as-built drawings for each existing valve location.

<u>Valve #1 – Southwest of the Intersection of Bellegrave Ave. and Etiwanda Ave.:</u> The existing 4-inch air valve shall be replaced with a 4-inch controlled venting surge suppression air valve.

<u>Valve #2 – Tapron demand (see Terminus of 8-inch pipeline north of Bellegrave Ave.)</u> The existing 1-inch air valve shall be replaced with a 1-inch controlled venting surge suppression air valve.

<u>Valve #3 – Del Sol demand (about 2541 feet east of intersection of Bellegrave Ave. and Pats Ranch Road)</u>

The existing 4-inch air valve shall be replaced with a 4-inch controlled venting surge suppression air valve.

<u>Valve #4 – Caltrans demand (about 1529 feet west of intersection of Bellegrave Ave.</u> and Pats Ranch Road)

The existing 4-inch air valve shall be replaced with a 4-inch controlled venting surge suppression air valve.

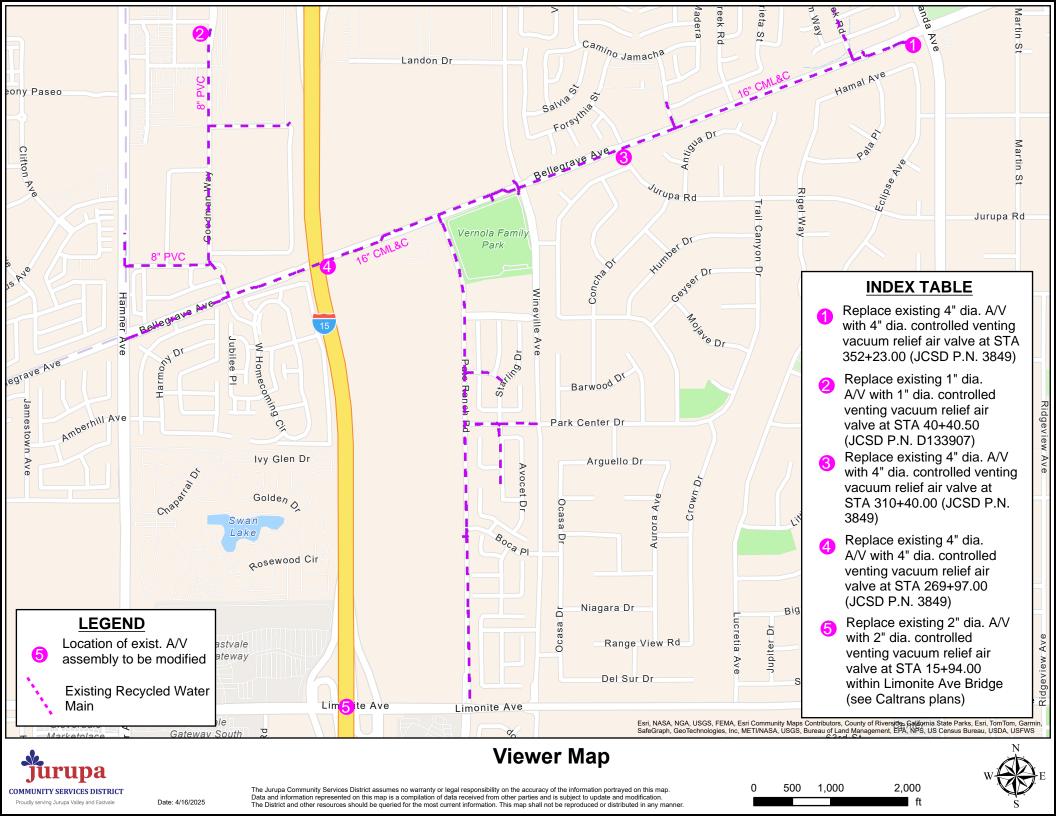
<u>Valve #5 – Limonite Bridge (located within the existing Limonite Ave/I-15 Bridge)</u>
The existing 2-inch air valve within the Limonite Ave/I-15 Bridge shall be replaced with a 2-inch controlled venting surge suppression air valve.

The surge suppression air valves shall be either Val-Matic Model No. 201CSS, 202CSS, or 254CSSA depending on the existing air/vac size, which corresponds to a 1-inch, 2-inch, or 4-inch size, respectively. See **Appendix M** for additional details. The Contractor shall include these surge suppression air valves in their material submittals.

ATTACHMENT D

APPENDIX M

MODIFICATIONS TO EXISTING RECYCLED WATER AIR VAC ASSEMBLIES



JURUPA COMMUNITY SERVICES DISTRICT

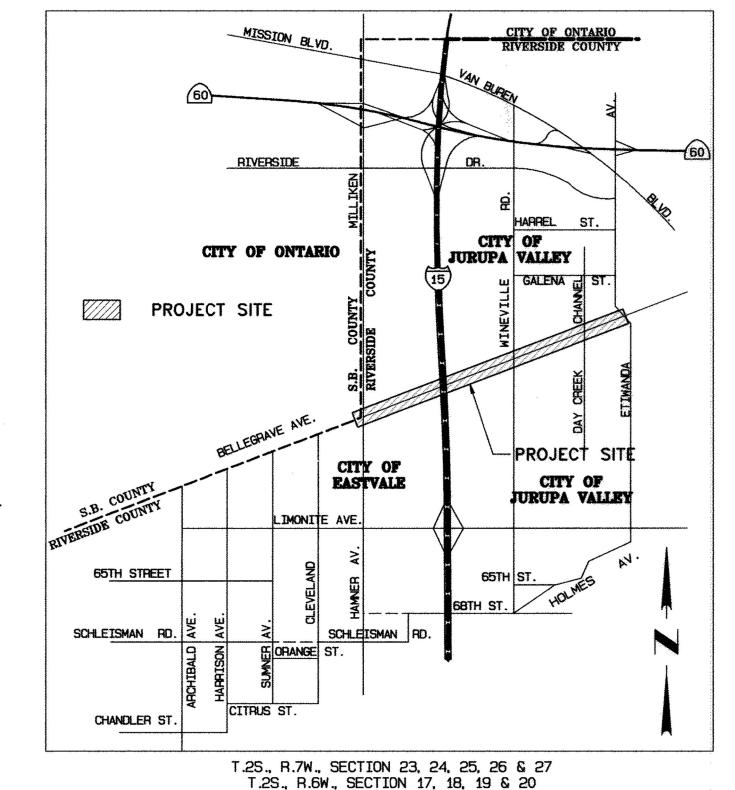
RIVERSIDE COUNTY, CALIFORNIA

AREA B NON-POTABLE WATERLINE IN BELLEGRAVE AVENUE

[DISTRICT PROJECT NO. 3849] BID SCHEDULE III

GENERAL NOTES AND REQUIREMENTS

- ALL CONSTRUCTION UNDER THIS CONTRACT SHALL CONFORM WITH ALL PROVISIONS OF THE SPECIAL REQUIREMENTS. BASIC SPECIFICATIONS. AND CONSTRUCTION DRAWINGS. ALL INCLUSIVE UNDER THIS CONTRACT
- CONTRACTOR SHALL FURNISH AND INSTALL ALL FACILITIES IN ACCORDANCE WITH THE DISTRICT'S STANDARD SPECIFICATIONS AND STANDARD DRAWINGS FOR WATER AND SANITARY SEWER FACILITIES, LATEST REVISION. THE SPECIFICATIONS AND STANDARD DRAWINGS ARE AVAILABLE FROM THE DISTRICT. THE CONTRACTOR SHALL BE IN POSSESSION OF DISTRICT'S SPECIFICATIONS & STANDARD DRAWINGS ON THE JOB SITE AT ALL TIMES. ANY CONSTRUCTION AND/OR MATERIALS NOT COVERED IN DISTRICT STANDARDS SHALL BE APPROVED BY THE DISTRICT PRIOR TO CONSTRUCTION.
- THE CONTRACTOR/SUB CONTRACTOR SHALL CAREFULLY EXAMINE THE SITE OF THE WORK CONTEMPLATED, INCLUDING THE PLANS AND SPECIFICATIONS. THE SUBMISSION OF A BID PROPOSAL SHALL BE CONCLUSIVE EVIDENCE THAT THE CONTRACTOR/SUB CONTRACTOR HAS INVESTIGATED THE PROJECT SITE AND IS SATISFIED AS TO: THE CONDITIONS TO BE ENCOUNTERED. THE CHARACTER, QUALITY, AND SCOPE OF THE WORK TO BE PERFORMED, THE QUANTITIES OF MATERIAL TO BE FURNISHED, AND THE REQUIREMENTS OF THE BID PROPOSAL, PLANS & GENERAL SPECIFICATIONS. FAILURE TO MEET ANY REQUIREMENTS OF JCSD. CITY OF EASTVALE. CITY OF JURUPA VALLEY. AND RIVERSIDE COUNTY WILL BE CAUSE FOR REJECTION.
- RESPONSIBLE FOR ANY DAMAGE TO EXISTING FACILITIES RESULTING DIRECTLY OR INDIRECTLY FROM HIS OPERATIONS. SAID EXISTING IMPROVEMENTS SHALL INCLUDE BUT NOT LIMITED TO BERMS, DITCHES, DRIVEWAYS, FENCES, AND PLANTS. ANY REMOVAL OR DAMAGE TO EXISTING IMPROVEMENTS SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR AT HIS EXPENSE. AND SHALL REQUIRE APPROVAL BY THE DISTRICT
- CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT ALL EXISTING UTILITIES IN PLACE FROM THE PROPOSED FACILITIES AND CONSTRUCTION OPERATIONS. EXISTING UTILITIES (WATER, TELEPHONE, GAS, ETC.) SHALL REMAIN IN OPERATION AT ALL TIMES, UNLESS APPROVED IN WRITING BY THE APPROPRIATE UTILITY COMPANY. WHERE DAMAGE IS CAUSED BY THE CONTRACTOR'S OPERATION, THE CONTRACTOR SHALL, AT HIS EXPENSE, REPAIR OR REPLACE ALL DAMAGED FACILITIES PROMPTLY IN ACCORDANCE WITH AGENCY/ DISTRICT SPECIFICATIONS.
- REPLACEMENT PAVING IN ALL PAVED ROADS, GRINDING AND CAPPING, TRAFFIC CONTROL, RESTRIPING, SPECIAL TRENCH BACKFILL, SPECIAL CLASS 2 BASE REQUIREMENTS, ETC. SHALL BE IN ACCORDANCE WITH THE COUNTY OF RIVERSIDE STANDARDS, CITY OF EASTVALE, AND CITY OF JURUPA VALLEY PERMIT REQUIREMENTS. THE CONTRACTOR SHALL NOTIFY THE PERMIT SECTION FOR THE CITY OF JURUPA VALLEY AT (951) 332-6464 AND THE CITY OF EASTVALE AT (951) 361-0900 AT LEAST 48 HOURS PRIOR TO STARTING CONSTRUCTION. IF THE PROPOSED PIPELINE CROSSES A PAVED STREET AT AN ANGLE OTHER THAN 90 DEGREES, THE LIMITS OF PAVEMENT GRIND & OVERLAY SHALL BE AT RIGHT ANGLES TO THE STREET CENTERLINE AND SHALL ENCOMPASS THE ENTIRE TRENCH PAVING. CONTRACTOR SHALL REPLACE OR REPAIR ANY DAMAGED OR ALTERED EXISTING IMPROVEMENT WITHIN PUBLIC RIGHT OF WAY AS DIRECTED
- 8. IN THE EVENT TRAFFIC STRIPING AND/OR LANE MARKINGS ARE VISUALLY OBSCURED. THEY SHALL BE REPLACED IN KIND AS DIRECTED BY RIVERSIDE COUNTY TRANSPORTATION DEPARTMENT. THE CITY OF JURUPA VALLEY, AND THE CITY OF EASTVALE.
- 9. MATERIALS, TESTING, & INSPECTION SHALL BE IN CONFORMITY WITH REQUIREMENTS OF CITY OF EASTVALE, CITY OF JURUPA VALLEY, & A.W.W.A. STANDARDS. FAILURE TO MEET REQUIREMENTS WILL BE CAUSE FOR REJECTION.
- PROJECT LIMITS AND ITS SURROUNDINGS AND TO PROVIDE SAFE PASSAGE FOR THE TRAVELING PUBLIC AND WORKING UNTIL THE FINAL COMPLETION AND ACCEPTANCE OF THE PROJECT BY THE DISTRICT. IN AREAS WHERE CONSTRUCTION ACTIVITIES RESTRICT NORMAL ACCESS TO PROPERTIES. THE CONTRACTOR SHALL PROVIDE/MAINTAIN ALTERNATE ACCESS ROUTES. WHICH ARE SUBJECT TO APPROVAL BY THE CITY OF EASTVALE AND CITY OF JURUPA VALLEY.
- 11. THE CONTRACTOR SHALL NOTIFY THE DISTRICT AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION.
- 12. SEPARATION REQUIREMENTS BETWEEN WATER AND NON-POTABLE LINES (4' MIN. EDGE TO EDGE, 1' FOR VERTICAL) SHALL CONFORM TO THE TERTIARY TREATED RECYCLED WATER SECTION OF THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES REQUIREMENTS. NON-POTBABLE WATERLINES SHALL BE FULLY WELDED FOR THE ENTIRETY OF THE PIPELINE UNLESS OTHERWISE SPECIFIED BY THE DISTRICT.
- 13. PRIOR TO CONSTRUCTION OF THE WATER LINES, THE CONTRACTOR SHALL EXPOSE THE EXISTING WATER LINES WHERE CONNECTIONS WILL OCCUR AND VERIFY THE ELEVATION AND LOCATION. APPROVAL BY THE DISTRICT OF A PROPOSED CONNECTION TO A DISTRICT FACILITY DOES NOT IMPLY APPROVAL OF THE CORRECTNESS OF THE ELEVATION AND/OR LOCATION SHOWN ON THE PLANS.
- 14. NO EXISTING MAIN LINE VALVE SHALL BE OPERATED BY ANYONE OTHER THAN A DISTRICT EMPLOYEE.
- 15. CONTRACTOR SHALL NOT BACKFILL A TRENCH UNTIL THE INSPECTOR HAS OBTAINED AS-BUILT STATIONING ON ALL STRUCTURES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ACCURATE RECORD DRAWINGS THROUGHOUT CONSTRUCTION; THE CONTRACTOR SHALL PROVIDE FINAL RECORD DRAWINGS TO THE DISTRICT IMMEDIATELY AFTER CONSTRUCTION.
- 16. APPROVAL BY JCSD IMPLIES NO PERMISSION OTHER THAN THAT WITHIN THE DISTRICT'S JURISDICTION. ALL PERMITS REQUIRED BY LAW SHALL BE ACQUIRED BY THE APPLICANT OR HIS CONTRACTOR. REQUIREMENTS OF DISTRICT SHALL TAKE PRECEDENCE OVER REQUIREMENTS OF OTHER AGENCIES ONLY WHERE THE DISTRICT REQUIREMENTS ARE MORE STRINGENT.
- 17. PIPE JOINTS SHALL NOT BE PULLED GREATER THAN 1 DEGREE OR AT ANY ANGLE GREATER THAN THE MAXIMUM ANGLE RECOMMENDED BY THE PIPE MANUFACTURER (MANUFACTURER RECOMMENDS NO MORE THAN 80% OF TOTAL ALLOWABLE DEFLECTION)
- 18. CONTRACTOR SHALL SHORE ALL TRENCHES AND CONDUCT ALL CONSTRUCTION OPERATIONS IN ACCORDANCE WITH CAL-OSHA REQUIREMENTS. ALL CONFINED SPACE OPERATIONS SHALL BE PERFORMED ACCORDING TO CAL-OSHA AND DISTRICT STANDARDS.
- 19. ALL TRENCH BACKFILL SHALL BE CONTINUALLY INSPECTED, TESTED, AND CERTIFIED BY A SOIL ENGINEER. THE SOIL ENGINEER SHALL SUBMIT A CERTIFIED REPORT TO THE CITY ENGINEER AND THE DISTRICT SUMMARIZING ALL TESTS TAKEN.
- 20. DURING THE WORK DAY, TRENCHES MAY BE LEFT OPEN ACROSS ONLY ONE CROSS STREET AT A TIME. NO TRENCHES MAY BE LEFT OPEN OVERNIGHT UNLESS AUTHORIZED IN WRITING BY THE CITY AND THE DISTRICT. ALL TRAFFIC PLATES LEFT SHALL BE RECESSED AND SECURED IN PLACE.
- 21. CONTRACTOR SHALL DESIGNATE A QUALIFIED SUPERINTENDENT WITH FULL AUTHORITY TO ACT ON BEHALF OF THE CONTRACTOR. SAID SUPERINTENDENT SHALL BE ON THE JOB SITE AT ALL TIMES.
- 22. DURING THE CONSTRUCTION AND INSTALLATION OF PROPOSED PIPELINES AND FACILITIES CLOSE TO EXISTING UTILITIES, THE CONTRACTOR SHALL PROVIDE ALL NECESSARY MEANS TO PROTECT IN PLACE AND SUPPORT ALL EXISTING UTILITIES. EXISTING BACKFILL MATERIAL, EXISTING PAVEMENT, ETC. IF SURROUNDING BACKFILL AND PAVING FAILS DURING CONSTRUCTION, CONTRACTOR SHALL PROVIDE FOR ALL RESTORATION OF BACKFILL, COMPACTION, SUB-BASE, BASE PAVEMENT, GRIND AND CAP PER RIVERSIDE COUNTY/CITY OF EASTVALE/CITY OF JURUPA VALLEY ROAD IMPROVEMENT STANDARDS AND SPECIFICATIONS AT NO ADDITIONAL COST TO CONTRACT.
- 23. PRIOR TO MOBILIZING, THE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH A JCSD APPROVED VIDEO PHOTOGRAPHER TO PREPARE A PRE-CONSTRUCTION AUDIO AND FULL COLOR VIDEO DVD OF THE PROJECT SITE WITH THE INSPECTOR PRESENT, AND PROVIDE A DVD COPY TO JCSD PER PROJECT SPECIFICATIONS.
- 24. ALL CONSTRUCTION SHALL CONFORM TO CURRENT CAL-OSHA REQUIREMENTS.



PLANS APPROVED BY: **JURUPA COMMUNITY SERVICES DISTRICT**

VICINITY MAP

Acto, 31 - DIRECTOR OF ENGINEERING & OPERATIONS WATER OPERATIONS DEPARTMENT ENGINEERING DEPARTMENT RECORD DRAWING THE INFORMATION ON THIS DRAWING IS OBTAINED FROM OTHERS AND MUST BE VERIFIED IN THE FIELD BY ANYONE PRIOR TO USE OR CONSTRUCTION. THE ENGINEERS OF RECORD ARE NOT RESPONSIBLE FOR UNDERGROUND FACILITY LOCATIONS OR DEPICTIONS. ALL ABOVE GROUND FACILITIES CAN BE READILY SEEN AND VERIFIED BY THE

DATE

SCALE:

9/25/13

NON-POTABLE WATER NOTES

- 1. ALL PIPES AND RELATED APPURTENANCES INSTALLED ABOVE OR BELOW THE GROUND THAT ARE DESIGNED TO CARRY NON-POTABLE WATER, SHALL BE COLORED PURPLE OR DISTINCTIVELY WRAPPED WITH PURPLE TAPE, AND SHALL CONFORM TO TITLE 22, TITLE 17, AND THE WATER CODE IN THE CALIFORNIA CODE OF REGULATIONS FOR RECYCLED WATER DESIGN.
- THE CEMENT MORTAR COATING OF THE NON-POTABLE STEEL PIPE SHALL BE PAINTED COLOR PURPLE. ALL THE WAY AROUND FOR THE ENTIRE LENGTH OF THE PIPE. PRIOR TO ARRIVING AT THE CONSTRUCTION SITE. ALL PAINT SHALL BE APPLIED BY THE MANUFACTURER.
- 3. ALL NON-POTABLE BLOW-OFFS. AIR EVACUATION VALVES. AND METERED SERVICES SHALL BE PURPLE IN COLOR. METER BOXES SHALL BE PURPLE IN COLOR AND BE LABELED NON-POTABLE WATER
- NON-POTABLE WATER VALVE CAPS SHALL BE A CONCRETE VALVE BOX TYPE WITH A CAST IRON COVER AND PURPLE COLORED TRIANGULAR SHAPE LID AND MARKED NON-POTABLE WATER (J&R CONCRETE PRODUCTS NO. V4-T VALVE BOX OR APPROVED EQUAL)
- UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS. ALL STEEL PIPE JOINTS SHALL BE FULLY WELDED ALL AROUND WITH 2 PASS MINIMUM. ALL STEEL BENDS AND FITTINGS SHALL BE CEMENT MORTAR LINED AND CEMENT MORTAR COATED. AND SHOP FABRICATED PER A.W.W.A. STANDARDS (LATEST): MODIFIED PER DISTRICT SPECIFICATION. ALL FITTINGS THAT ARE NOT CONNECTED BY BUTT-STRAPS SHALL HAVE SIMULATED WELD BELLS WITH A PLATE THICKNESS OF AT LEAST 1/4 OF AN INCH.
- ALL OUTLETS WHERE THE RATIO OF THE OUTLET DIAMETER TO THE MAINLINE DIAMETER IS 0.60 OR GREATER SHALL HAVE WRAPPER REINFORCEMEN AROUND THE MAINLINE WITH A PLATE THICKNESS OF AT LEAST 3/16 OF AN INCH. ALL OTHER OUTLETS SHALL HAVE REINFORCEMENT COLLARS. 3/16 OF AN INCH MINIMUM PER JCSD STD. DWG. NO. C-6.
- PIPE SHALL BE HANDLED SO AS TO PROTECT PIPE, PIPE JOINTS, AND LINING/COATING. PIPE SHALL BE CAREFULLY BEDDED TO PROVIDE CONTINUOUS BEARING AND PREVENT UNEVEN SETTLEMENT, AND BE PROTECTED AGAINST FLOATATION AT ALL TIMES. OPEN ENDS OF WATERLINE SHALL BE SEALED AT ALL TIMES WHEN CONSTRUCTION IS IN PROCESS.
- A TEST PRESSURE SHALL BE 150% OF PIPE CLASS HATING. (I.E. CLASS 150 = 225 PSI TEST PRESSURE) NO LEAK SHALL BE ALLOWED FOR 24 HOURS. NO VISIBLE LEAKAGE IS PERMITTED. MINIMUM TEST DURATION IS 4 HOURS. DISTRICT INSPECTOR WILL INSPECT TEST USING CONTRACTOR PROVIDED PRESSURE GAUGE. ALL INSPECTOR TIME SPENT INSPECTING ANY REQUIRED RETESTS (INCLUDING RATE AND OVERHEAD) SHALL BE AT THE EXPENSE OF THE CONTRACTOR FOR TESTING PURPOSES ALL PIPE SHALL BE CONSTDERED CLASS 150
- IMMEDIATELY UPON COMPLETION OF THE NON-POTABLE WATER PIPELINE CONSTRUCTION, THE CONTRACTOR SHALL HIRE A DISTRICT APPROVED PROFESSIONAL VIDEO PHOTOGRAPHER TO VIDEO THE PIPELINES PER PROJECT SPECIFICATIONS. DISTRICT OR DISTRICT REPRESENTATIVE SHALL
- 11. ALL APPURTENANCES (AV. BO, FH, SERVICES, ETC.) THAT REQUIRE RELOCATION SHALL BE RECONSTRUCTED IN ACCORDANCE WITH CURRENT DISTRICT STANDARDS. EACH APPURTENANCE TO BE RELOCATED SHALL BE EVALUATED IN THE FIELD ON A CASE BY CASE BASIS AND RECONSTRUCTED AS DIRECTED BY THE DISTRICT.

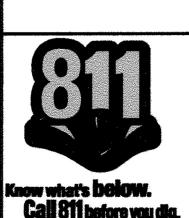
NOTICE TO CONTRACTOR

- 1. THE EXISTENCE AND LOCATIONS OF ALL UNDERGROUND UTILITIES (UTILITY PIPES, STRUCTURES, ETC.) ON THESE PLANS (MAIN LINES ONLY -NO SERVICE LATERALS) WERE ASCERTAINED BY A REVIEW OF RECORDS PROVIDED BY THESE MEMBER AGENCIES AND ARE APPROXIMATE. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY FOR UTILITIES NOT SHOWN OR NOT FOUND IN THE LOCATION SHOWN.
- 2. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ALL UTILITIES SHOWN ON THESE PLANS AND/OR ANY OTHER UNDERGROUND UTILITIES NOT OF RECORD OR NOT SHOWN.
- 3. CALL UNDERGROUND SERVICE ALERT (U.S.A.) 811 AT LEAST 2 WORKING DAYS PRIOR TO EXCAVATION
- 4. ALL SURVEY MONUMENTS SHALL BE PROTECTED & PERPETUATED IN PLACE. IF A SURVEY MONUMENT IS TO BE DISTURBED OR COVERED. THE MONUMENT SHALL BE TIED OUT PRIOR TO START OF CONSTRUCTION BY A REGISTERED CIVIL ENGINEER OR LICENSED LAND SURVEYOR. AT THE DIRECTION OF THE CITY ENGINEER. CONTRACTOR SHALL CONFIRM THAT ALL MONUMENTS ARE RESTORED UPON COMPLETION OF CONTRACT WORK.

LL	BE	RESPONSIBLE	FOR JOE	SITE	SAFE	ETY DURIN	G BOTI	H, WORKIN	NG AND	NON-I	MORKING	HOURS.
-	S	HEET NO).	SH		ET DE	SCI	RPTI	ON			
	1			TITLE	SHE	ET						
	2			ABBRE	VIA	TIONS, I	NDEX N	1AP, AND	LEGE	ND		
	3			PLAN	AND	PROFILE	STA.	242+00.	00 то	STA.	254+00	.00
	4			PLAN	AND	PROFILE	STA.	254+00.	00 TO	STA.	265+00	.00
	5			PLAN	AND	PROFILE	STA.	265+00.	00 TO	STA.	276+00	.00
	6			PLAN	AND	PROFILE	STA.	276+00.	00 TO	STA.	287+00	.00
	7			PLAN	AND	PROFILE	STA.	287+00.	00 то	STA.	298+00	.00
	8			PLAN	AND	PROFILE	STA.	298+00.	00 то	STA.	309+00	.00
	9			PLAN	AND	PROFILE	STA.	309+00.	00 ТО	STA.	320+00	.00
	14			PLAN	AND	PROFILE	STA.	320+00.	00 TO	STA.	331+00	.00
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16" DTA	STEEL MAIN TRENCH	11.141	1
w DIM.	OTESE PRAIN PREMORE	11,171	

JURUPA COMMUNITY SERVICES DISTRICT SHEET



NOTICE TO CONTRACTOR:

CONTRACTOR SHALL DETERMINE EXACT LOCATION AND ELEVATION OF EXISTING FACILITIES PRIOR

TO CONSTRUCTION.

							v		
	w.	<u> </u>							
8/11/15	MK	Λ	RECORD DRAWING		······································			SZ	8/11/15
DATE	BY	MARK						APPR	DATE
EN	IGINEE	R						J.C.	S.D.
DESIG	NED E	Y: R.F	·	DRAWN BY:	R.P.	CH	łECKED	BY: S	.Z.



PUBLIC WORKS DEPARTMENT DATE: ROY STEVENSON - CITY ENGINEER REPARED UNDER THE SUPERVISION OF:

PARTIES THAT INTEND TO USE SAME.

SIMING ZHANG

CITY OF JURUPA VALLEY



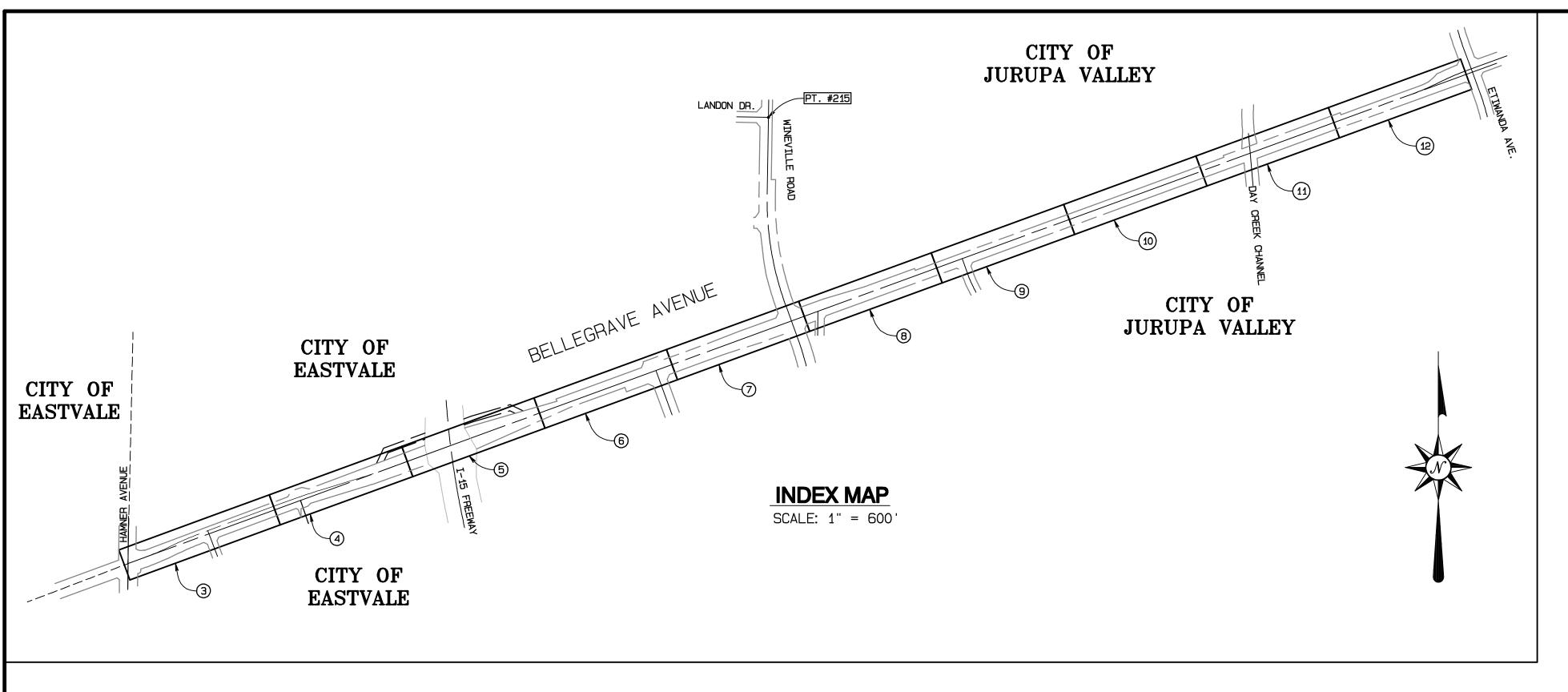
ENGINEERING CONSULTANTS 3788 McCRAY STREET RIVERSIDE CA. 92506 PH. (951) 686-1070

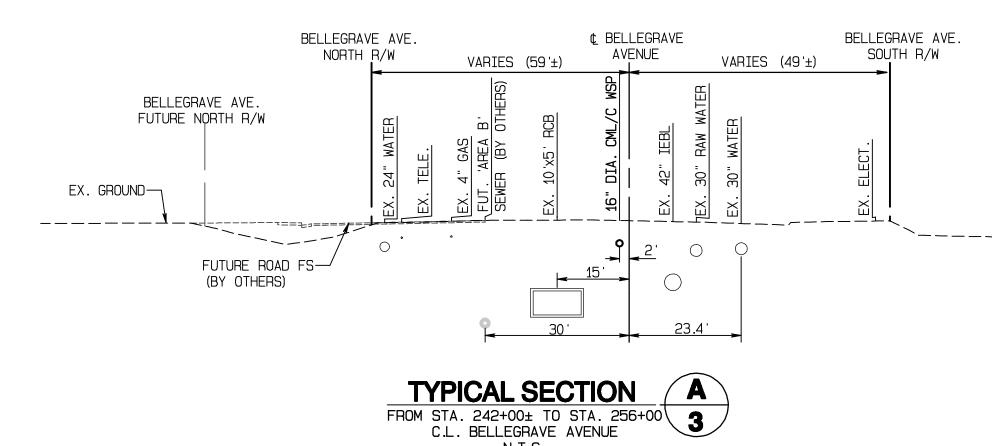
RIVERSIDE COUNTY, CALIFORNIA AREA B NON-POTABLE WATERLINE IN BELLEGRAVE AVENUE TITLE SHEET

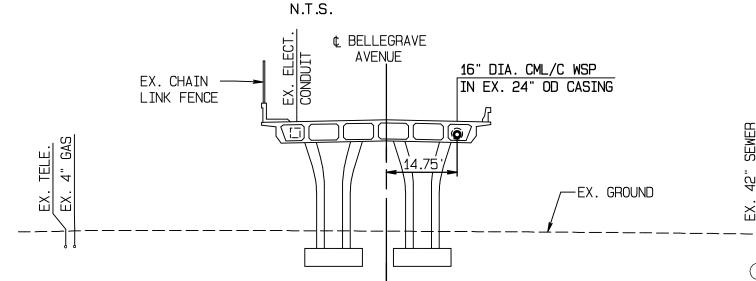
DISTRICT PROJECT NO. 38491 12-0229

BENCHMARK: SEE SHEET 2 FOR FULL DESCRIPTION ML-30 APRIL 1964, ML-38 APRIL 1964, ML-15 APRIL 1964, Q 39 FOR J.C.S.D. P.N. 3849 PLAN: 12-0229-WATR.pro

OF 13 SHEETS DWG. NO. 12-0229







BELLEGRAVE AVENUE BRIDGE SECTION

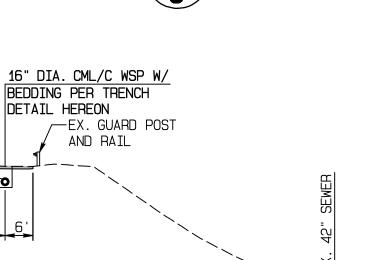
EX. GUARD POST-

EX. GROUND-

AND RAIL

¢ BELLEGRAVE

AVENUE



B

BELLEGRAVE AVENUE PAVEMENT SECTION

ABBREVIATIONS:

= AHEAD = AIR VALVE A.W.W.A. = AMERICAN WATER WORKS ASSOCIATION = BUTTERFLY VALVE

B/0 = BLOW-OFF = BOTTOM BOV = BOTTOM OF VAULT = BACK = CENTERLINE

= CENTERLINE

EX.

= CLASS CML/C = CEMENT MORTAR LINE/COATED = CLEAN OUT CONC. = CONCRETE

= CATHODIC PROTECTION TEST STATION CPTS = DIAMETER = DUCTILE IRON PIPE ELECT. = ELECTRICAL

= ELEVATION = EXISTING = FINISH FLOOR F.L. = FLOW LINE = FLANGED = FORCE MAIN = FOOT/FEET

= HORSE POWER INV = INVERT = IRRIGATION J.C.S.D. = JURUPA COMMUNITY SERVICES DIST.

= LIFT STATION = MANHOLE = PLAIN END = POINT = POLYVINYL CHLORIDE

= LINEAR FEET

= LEFT

PVC PROP. = PROPOSED = RIGHT = RIGHT OF WAY R.O.W. S.S. = STAINLESS STEEL SCH. = SCHEDULE SPECS. = SPECIFICATIONS STA. = STATION

STL. = STEEL TRANS. = TRANSITION = TEMPORARY TOV = TOP OF VAULT = TOP OF PIPE T.O.P.

= WITH

= UNDERWRITERS LABORATORY VIC. = VICTAULIC = VITRIFIED CLAY PIPE VCP

LEGEND

--- PROPOSED NON-POTABLE WATERLINE - FUTURE SEWER AND MANHOLE (BY OTHERS) --- PROPOSED BUTTERFLY VALVE (R/NP-5) - PROPOSED GATE VALVE (R/NP-3) PROPOSED AIR VAC (R/NP-6) PROPOSED BLOW-OFF (R/NP-4) PROPOSED CATHODIC PROTECTION TEST STATION (STD. K-3) ———OH——— EXISTING OVERHEAD UTILITIES -----ELEC------ EXISTING UNDERGROUND ELECTRIC LINES 42" SWR EXISTING IEBL LINE (SARI/BRINE) EXISTING STORM DRAIN (SIZE NOTED) — 12" SWR FM — EXISTING SEWER FORCE MAIN T——T—— EXISTING UNDERGROUND TELEPHONE LINES -----W-----EXISTING WATER LINES (SIZE NOTED) -----s----- EXISTING SEWER LINES (SIZE NOTED) ---- EXISTING RIGHT-OF-WAY LINE

BENCHMARK

RIVERSIDE COUNTY:

AT THE SOUTHEAST CORNER OF THE "T" INTERSECTION OF CHANDLER STREET AND HELLMAN AVENUE, 48.0 FEET SOUTH OF CHANDLER STREET, 32.0 FEET EAST OF HELLMAN AVENUE, 10.0 FEET SOUTH OF POWER POLE #1205787E, 1.0 FEET EAST OF MARKER POST, A BRASS DISK SET IN THE TOP OF A CONCRETE POST AND MARKED M.L. 30-64, ELEV. = 563.60', NGVD 1929

AT THE SOUTHEAST CORNER OF THE INTERSECTION OF HAMNER AVENUE AND RIVERSIDE AVENUE, 47.0 FEET EAST OF HAMNER AVENUE, 30.0 FEET SOUTH OF RIVERSIDE AVENUE 5.0 FEET NORTH OF POWER POLE #674442E, 4.0 FEET SOUTHEAST OF SIGNAL LIGHT STANCHIAN, 1.0 FOOT WEST OF A MARKER POST, A BRASS DISK SET IN THE TOP OF CONCRETE POST, AND MARKED M.L. 38 APRIL 1964 ELEV. = 794.58, NGVD 1929

ML-15 APRIL 1964 THE NORTHWEST CORNER OF ETIWANDA AVENUE AND LIMONITE AVENUE 210.0 FEET NORTH OF LIMONITE AVENUE 36.0 FEET WEST OF ETIWANDA AVENUE 2.0 FEET NORTH END AND ON TOP OF A 6-INCH BY 9.0 FOOT CONCRETE HEADWALL, A BRASS DISK SET FLUSH AND MARKED M.L. 15-64 ELEV. = 674.77, NGVD 1929

ELEV. = 782.751 DATUM: NGVD 29

BASIS OF BEARING

CA. STATE PLANE COORDINATE SYSTEM, ZONE 6, 1991.35 EPOCH CONVERGENCE ANGLE CALCULATED AT POINT #215 = 0 °42 '35.96" PT #215 DESCRIPTION:

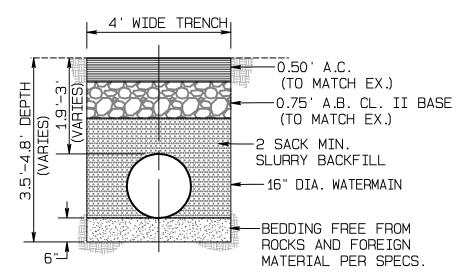
FD. 1" IP W/ PP, LS 5529, FLUSH PER PM 215/66-69 & PM 219/28-30 LOCATED AT THE INTERSECTION OF LANDON DRIVE AND WINEVILLE ROAD

CONVERGENCE ANGLE CALCULATED AT POINT #21 = 0 °43'11.77" PT #21 DESCRIPTION: FD. 1" IP, LS 7635, FLUSH LOCATED 542.43 FEET WEST OF 68TH STREET AND HAMNER AVENUE (ADAMS ST.) INTERSECTION

CALTRANS PAVING NOTES:

- 1. HOT MIX ASPHALT (HMA) SHALL BE TYPE A, WITH 3/4-INCH AGGREGATE GRADATION AND PG 64-28 PM ASPHALT BINDER, AND CONSTRUCTED ACCORDING TO CALTRANS SPECIFICATION SECTION 39 AND STANDARD SPECIAL PROVISION 39-1.01.
- 2. PRIME COAT SHALL BE APPLIED TO THE BASE PRIOR TO PLACING THE HOT MIX ASPHALT. PRIME COAT SHALL CONFORM TO THE LATEST PROVISIONS IN SECTION 93 AND THE CALTRANS STANDARD SPECIAL PROVISION 39-1.22.
- 3. TACK COAT SHALL BE APPLIED TO EXISTING PAVEMENT INCLUDING PLANED SURFACES, BETWEEN LAYERS OF HMA AND VERTICAL SURFACES OF CURBS. GUTTERS. AND CONSTRUCTION JOINTS. TACK COAT MUST COMPLY WITH THE SPECIFICATIONS FOR ASPHALTIC EMULSION IN SECTION 94. "ASPHALTIC EMULSION," OR ASPHALT BINDER IN SECTION 92, "ASPHALTS.
- 4. RELATIVE COMPACTION OF 95 PERCENT SHALL BE OBTAINED FOR A MINIMUM DEPTH OF 2.5 FEET OF THE SUBGRADE, ACCORDING TO SECTION 19, EARTHWORK. CONTROLLED LOW-STRENGTH MATERIAL (CLSM) SHALL COMPLY WITH STANDARD SPECIFICATIONS SECTION 19-3.02F AND 19-3.031.
- 5. AGGREGATE BASE SHOULD BE CONSTRUCTED ACCORDING TO SECTION 26, AGGREGATE BASES

SCALE:



TRENCH DETAIL (WITHIN CALTRANS RIGHT OF WAY) N.T.S.

-EX. 24" OD STEEL CASING INSIDE BRIDGE CELL PROPOSED 16" DIA. CML/C-& CARRIER PIPE PROTECT IN PLACE WSP, PIPELINE PER PLAN AND PROFILE SHEETS __|____ _____ PROPOSED 16" DIA. NON-POTABLE WATERLINE BRICK AND MORTAR BOTH ENDS OF CASING -HDPE INSULATOR/SPACERS INSTALLED INSIDE OF BRIDGE AT 6' O.C. (DOUBLE SPACERS AT CASING ENDS) THE INFORMATION ON THIS DRAWING IS OBTAINED FROM OTHERS AND MUST BE VERIFIED IN THE FIELD BY ANYONE

I-15 STEEL CASING DETAIL

-EX. 24" OD STEEL CASING ANNULAR SPACE BETWEEN INSIDE BRIDGE CELL THE EX. CONDUCTOR CASING PROTECT IN PLACE HDPE INSULATOR/SPACERS INSTALLED AT 6' O.C. (DOUBLE SPACERS AT CASING ENDS)

SECTION B-B

ENGINEERING CONSULTANTS 3788 McCRAY STREET RIVERSIDE CA. 92506

JURUPA COMMUNITY SERVICES DISTRICT | SHEET RIVERSIDE COUNTY, CALIFORNIA AREA B NON-POTABLE WATERLINE IN BELLEGRAVE AVENUE

ABBREVIATIONS, INDEX MAP AND LEGEND

OF <u>13</u> SHEET DWG. NO. 12-0229

CALTRANS NOTES TO CONTRACTOR

EXISTING UTILITY POLE

CHAIN LINK FENCE

---- FUTURE IMPROVEMENTS (BY OTHERS)

- EXISTING EDGE OF PAVEMENT

- 1. IT IS THE PERMITTE/CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE UNDERGROUND SERVICE ALERT IN ORDER TO CLEAR ANY POSSIBLE CONFLICTS PRIOR TO CONSTRUCTION.
- 2. WHERE DAMAGE IS CAUSED BY THE CONTRACTOR'S OPERATION, THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, REPAIR OR REPLACE DAMAGED FACILITIES PROMPTLY IN ACCORDANCE WITH CURRENT STATE SPECIFICATIONS AND /OR AS DIRECTED BY THE STATE REPRESENTATIVE.
- 3. ALL STRIPING AND SIGN STRUCTURES SHALL BE RESTORED (IF DISTURBED) TO EXISTING CONDITION UPON COMPLETION OF CONSTRUCTION.
- 4. ALL WORK WITHIN STATE'S RIGHT- OF-WAY SHALL BE COMPLETED IN ACCORDANCE WITH THE CURRENT STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS, STANDARD SPECIFICATIONS, STANDARD SPECIAL PROVISIONS, ENCROACHMENT PERMITS MANUAL, HIGHWAY DESIGN MANUAL, ENCROACHMENT PERMIT UTILITY PROVISION AND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) SHOULD A CONFLICT ARISE BETWEEN THE CONTRACT PLANS, SPECIFICATIONS AND / OR DETAILS PREPARED BY THE PERMITTEE, THE STATE'S STANDARD PLANS, STANDARD SPECIFICATIONS AND STANDARD SPECIAL PROVISIONS SHALL GOVERN AS DETERMINED BY THE STATE'S REPRESENTATIVE.
- 5. IF THE CONTRACTOR EXPERIENCES A BRIDGE APPROACH DURING CONSTRUCTION, THE CONTRACTOR SHALL USE CALTRANS APPROVED COUPLERS FOR SPLICING THE TRANSVERSE BARS.

Know what's **below**.

Call 811 before you dig

NOTICE TO CONTRACTOR:

CONTRACTOR SHALL DETERMINE EXACT LOCATION AND ELEVATION OF EXISTING FACILITIES PRIOR TO CONSTRUCTION.

08/11/15 MK / A RECORD DRAWING SZ | 08/11/1 DATE BY MARK |APPR | DATE ENGINEER J.C.S.D. DESIGNED BY: R.P. DRAWN BY: R.P. CHECKED BY: S.Z.

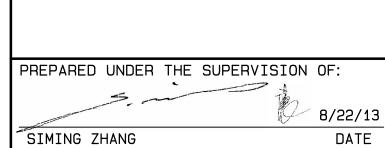


PARTIES THAT INTEND TO USE SAME.

RECORD DRAWING

PRIOR TO USE OR CONSTRUCTION. THE ENGINEERS OF

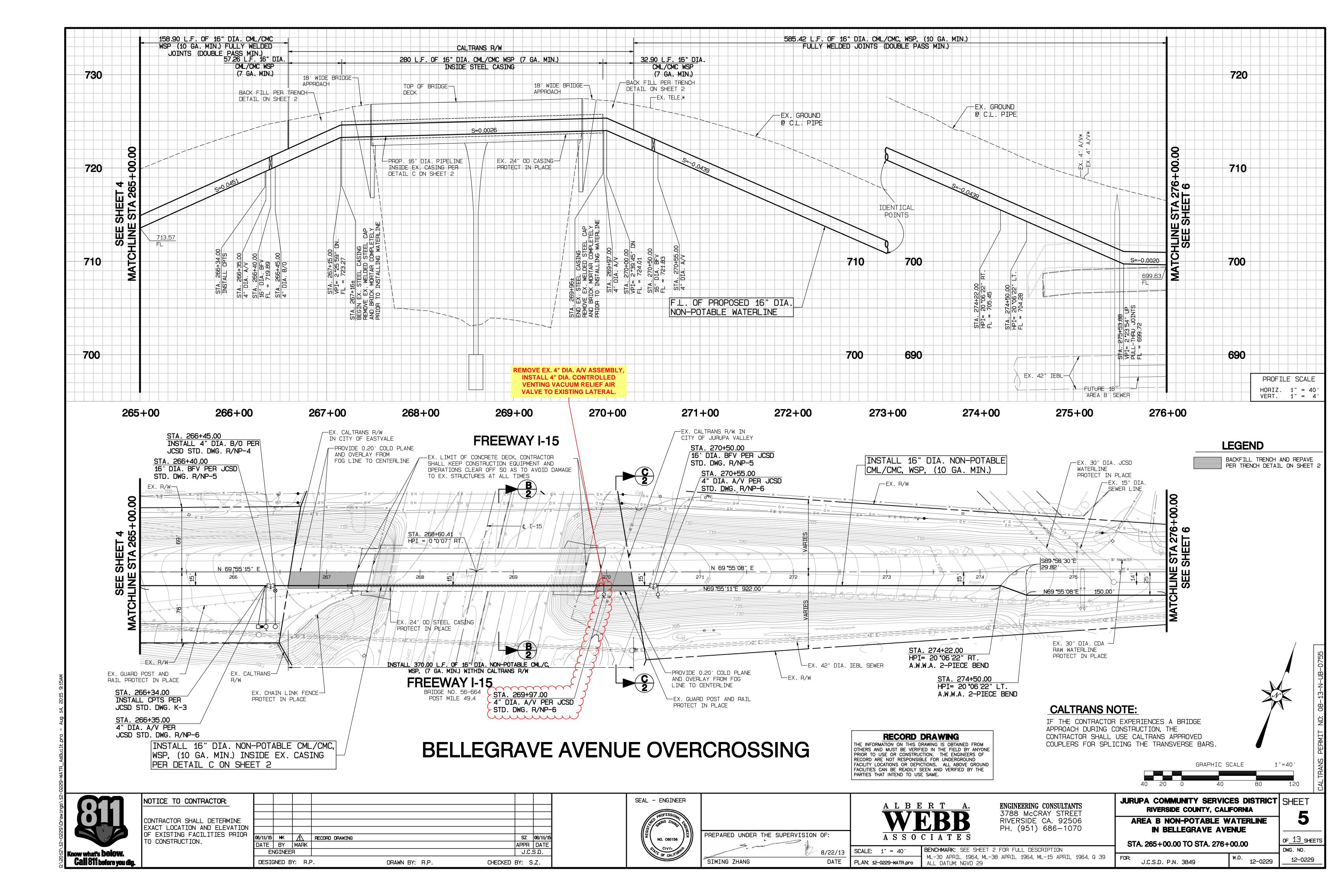
RECORD ARE NOT RESPONSIBLE FOR UNDERGROUND FACILITY LOCATIONS OR DEPICTIONS. ALL ABOVE GROUND FACILITIES CAN BE READILY SEEN AND VERIFIED BY THE

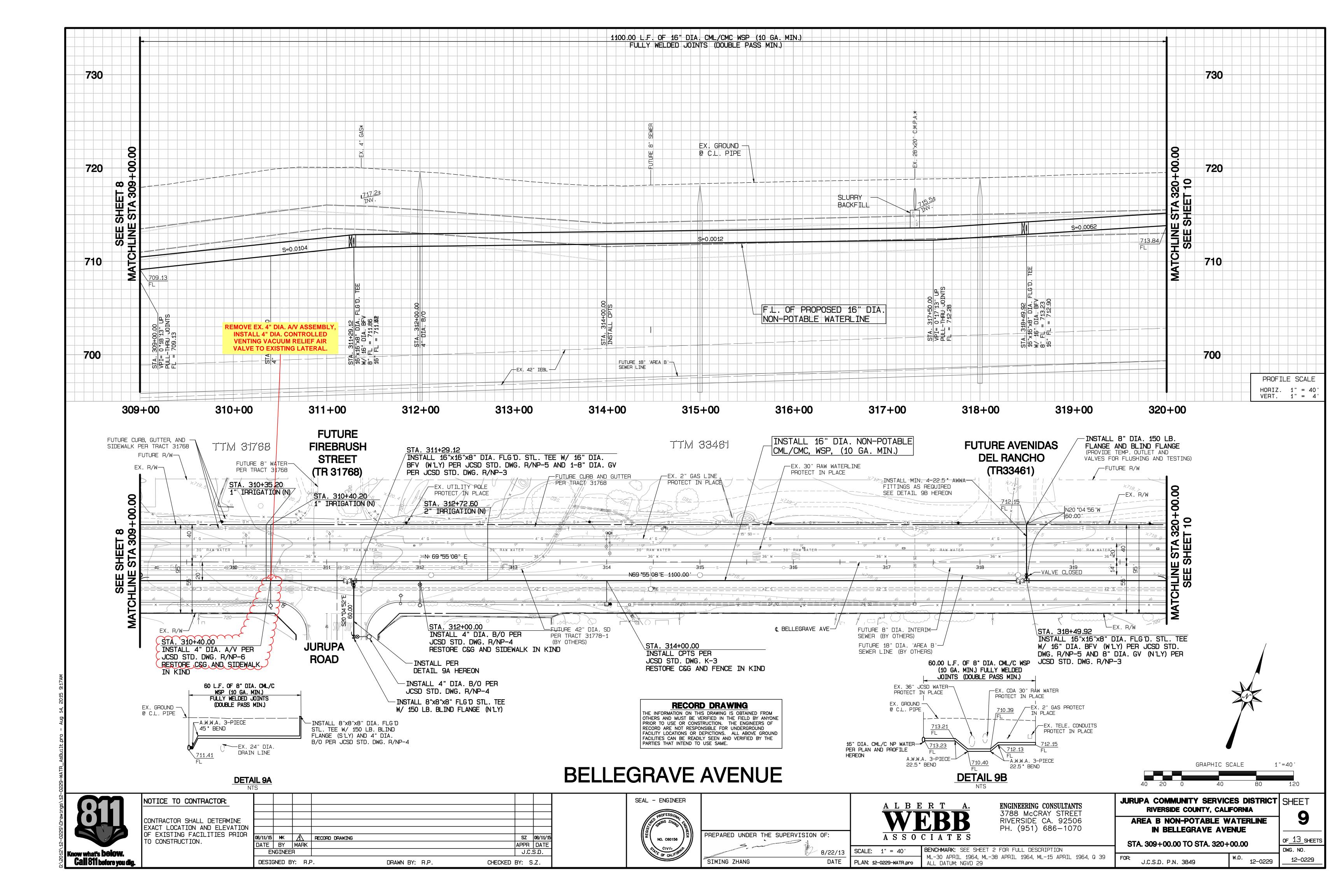


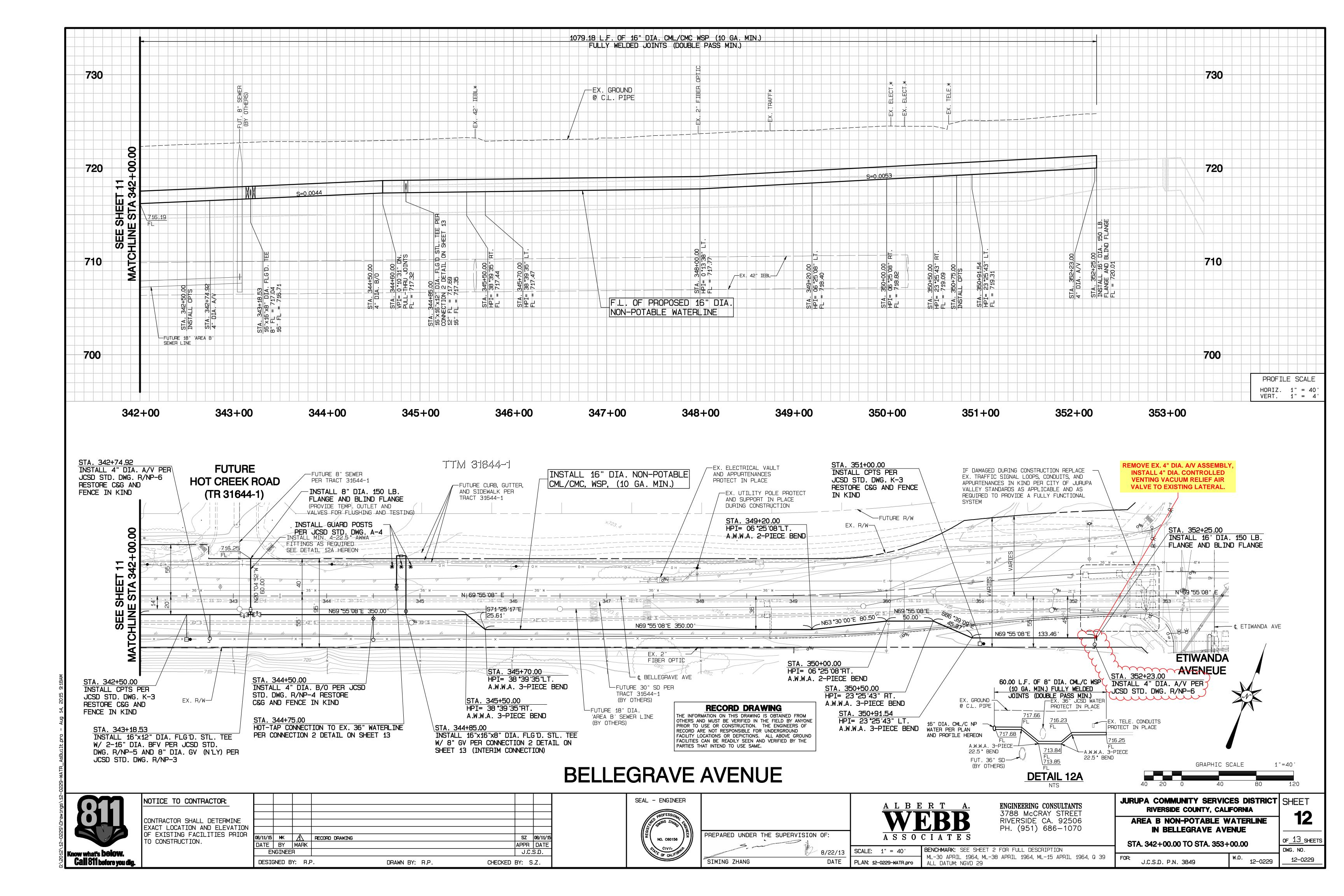
ALBERT ASSOCIATES

PH. (951) 686-1070 BENCHMARK: SEE ABOVE FOR FULL DESCRIPTION ML-30 APRIL 1964, ML-38 APRIL 1964, ML-15 APRIL 1964, Q 39 FOR: PLAN: 12-0229-WATR.pro ALL DATUM: NGVD 29

12-0229 J.C.S.D. P.N. 3849







GENERAL NOTES AND REQUIREMENTS (WATER AND SEWER):

COUNTY OF RIVERSIDE HEALTH DEPARTMENT AND THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES REQUIREMENTS. THE AGENCY'S SPECIFICATIONS THAT ARE MORE RESTRICTIVE SHALL GOVERN IN ALL CASES.

3. ALL CONSTRUCTION AND MATERIALS SHALL COMPLY WITH J.C.S.D. STANDARDS AND SPECIFICATIONS. ANY CONSTRUCTION

4. PRIOR TO CONSTRUCTION OF THE WATER AND/OR SEWER LINES, THE CONTRACTOR SHALL EXPOSE THE EXISTING WATER

2. SEPARATION REQUIREMENTS BETWEEN WATER AND SEWER LINES (10' MINIMUM, 5' FOR LATERALS) SHALL CONFORM TO THE

AND/OR MATERIALS NOT COVERED IN J.C.S.D. STANDARDS SHALL BE APPROVED BY THE DISTRICT PRIOR TO CONSTRUCTION

AND/OR SEWER LINES WHERE CONNECTIONS WILL OCCUR AND VERIFY THEIR ELEVATION AND LOCATION. APPROVAL OF J.C.S.D. OF A PROPOSED CONNECTION TO A J.C.S.D. FACILITY DOES NOT IMPLY APPROVAL OF THE CORRECTNESS OF THE ELEVATION

5. CONTRACTOR SHALL NOT BACKFILL TRENCH UNTIL THE INSPECTOR HAS OBTAINED AS-BUILT STATIONING ON ALL STRUCTURES IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ACCURATE "RECORD DRAWINGS" TO THE DISTRICT IMMEDIATELY

7. CONTRACTOR SHALL SHORE ALL TRENCHES AND CONDUCT ALL CONSTRUCTION AND OPERATIONS IN ACCORDANCE WITH

CAL-OSHA REQUIREMENTS AND HAVE ALL ENCROACHMENT AND EXCAVATION PERMITS PRIOR TO THE START OF WORK

8. PIPE JOINTS SHALL NOT BE PULLED AT ANY ANGLE GREATER THAN ONE HALF THE MAXIMUM ANGLE RECOMMENDED BY THE

THE PROPOSED WORK SHALL BE SUBORDINATED TO ANY OPERATIONS J.C.S.D. MAY CONDUCT. AND SHALL BE COORDINATED

REPRESENTATIVE FROM THE OPERATIONS DEPARTMENT, TRACT SUPERINTENDENT, RIVERSIDE COUNTY TRANSPORTATION

DEPARTMENT REPRESENTATIVE AND THE CONTRACTOR WHO WILL PERFORM THE WORK. "CUT-SHEETS" SHALL BE PROVIDED TO

11. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (U.S.A.) AND HAVE ALL UNDERGROUND UTILITIES MARKED TWO

13. ALL PERMITS REQUIRED BY LAW SHALL BE ACQUIRED BY THE APPLICANT OR THEIR CONTRACTOR. COPIES OF THE EXCAVATION

16. THE DISTRICT'S ABILITY TO PROVIDE WATER AND/OR SEWER SERVICES TO THIS TRACT MAY DEPEND ON THE DEVELOPERS OF OTHER TRACTS COMPLETING THE CONSTRUCTION OF FACILITIES. THE DISTRICT ASSUMES NO RESPONSIBILITY FOR THE

DESCRIPTIONS AND PLATS (EASEMENT DOCUMENTS) SHALL BE PREPARED IN ACCORDANCE WITH DISTRICT STANDARDS BY THE

18. IMMEDIATELY UPON COMPLETION OF CONSTRUCTION OF THE WATER AND/OR SEWER PIPELINES. THE DEVELOPER SHALL HIRE A

DISTRICT APPROVED VIDEO COMPANY TO VIDEO THE PIPELINES IN THE PRESENCE OF A DISTRICT REPRESENTATIVE IN DVD

TO ACCEPTANCE OF THE PROJECT. PAYMENT FOR ALL SUCH SERVICES SHALL BE BORNE BY THE DEVELOPER. FINAL DVD

SUBMITTED TO THE DISTRICT SHALL BE EDITED, IF NECESSARY, TO INCLUDE ONLY ACCEPTED REACHES OF THE PIPELINE.

19. INSCRIBE AN "S" AND "W" ON THE FACE OF THE CURB TO INDICATE WHERE SEWER LATERALS AND WATER SERVICES CROSS

20. COMPACTION TESTS FOR WATER AND SEWER FACILITIES SHALL BE PERFORMED BY A DISTRICT APPROVED GEOTECHNICAL FIRM AND PAID FOR BY THE DEVELOPER, ALL COMPACTION TESTS SHALL BE MADE IN ACCORDANCE WITH DISTRICT SPECIFICATIONS.

SOILS TESTING RESULTS SHALL BE GIVEN TO THE DISTRICT INSPECTOR ON A DAILY BASIS. AT THE CONCLUSION OF THE

21. CONTRACTOR SHALL REPLACE PAVEMENT AND BASE IN KIND. GRADES SHALL BE THE SAME AS CONDITION PRIOR TO

CONTRACTOR TO VERIFY BY POTHOLING THE EXISTING ELEVATION AND HORIZONTAL LOCATION OF ALL POINTS OF

PURPOSES.

ENGINEER

DESIGNED BY:

CONNECTIONS AND CROSSINGS PRIOR TO CONSTRUCTION. THE ENGINEER MUST BE NOTIFIED OF ANY DISCREPANCY

DISTRICT). DISTRICT OR DISTRICT REPRESENTATIVE SHALL REVIEW SAID DVD'S FOR POTENTIAL CONSTRUCTION DEFECTS PRIOR

FORMAT (VIDEO FILE FORMAT TO BE VIEWABLE ON A STANDARD DVD PLAYER/COMPUTER AND/OR AS APPROVED BY THE

ENGINEER OR LAND SURVEYOR OF RECORD. THE EASEMENT DOCUMENTS SHALL BE REVIEWED AND APPROVED BY THE

15. CONTRACTOR SHALL DESIGNATE A QUALIFIED SUPERINTENDENT WITH FULL AUTHORITY TO ACT ON BEHALF OF THE

17. IF DISTRICT FACILITIES ARE LOCATED ON LAND WHICH ARE PRIVATE (I.E. OUTSIDE PUBLIC RIGHTS-OF-WAY) LEGAL

12. CONTRACTOR SHALL FURNISH AND INSTALL ALL FACILITIES IN ACCORDANCE WITH THE DISTRICT'S STANDARD SPECIFICATIONS AND STANDARD DRAWINGS FOR WATER AND SANITARY SEWER FACILITIES (LATEST REVISION). THE SPECIFICATIONS AND STANDARD DRAWINGS ARE AVAILABLE FROM THE DISTRICT. CONTRACTOR SHALL BE IN POSSESSION OF DISTRICT'S

10. A PREJOB MEETING SHALL OCCUR PRIOR TO CONSTRUCTION. ATTENDEES SHALL INCLUDE A DISTRICT INSPECTOR,

1. THE CONTRACTOR SHALL NOTIFY J.C.S.D. AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION.

AND/OR LOCATION SHOWN ON THE PLANS.

WITH SUCH OPERATIONS AS DIRECTED BY J.C.S.D.

THE DISTRICT AT THIS MEETING FOR ITS REVIEW.

(2) WORKING DAYS PRIOR TO CONSTRUCTION, PER U.S.A. REQUIREMENTS.

SPECIFICATIONS AND STANDARD DRAWINGS ON THE JOB SITE AT ALL TIMES.

AND ENCROACHMENT PERMITS WILL BE GIVEN TO J.C.S.D. PRIOR TO THE PREJOB.

14. ALL CONSTRUCTION SHALL CONFORM TO CURRENT CAL OSHA SAFETY REQUIREMENTS

CONTRACTOR. SAID SUPERINTENDENT SHALL BE ON THE JOB SITE AT ALL TIMES.

DISTRICT PRIOR TO FINAL ACCEPTANCE OF THE FACILITIES BY THE DISTRICT.

PROJECT, A FINAL COMPACTION REPORT SHALL BE GIVEN TO THE DISTRICT.

CONSTRUCTION OF THE FACILITIES, WHICH ARE TO BE CONSTRUCTED BY SUCH DEVELOPERS.

AFTER CONSTRUCTION.

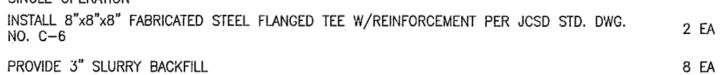
THE CURBLINE.

IMMEDIATELY.

GOODMAN COMMERCE CENTER AT EASTVALE NON-POTABLE WATER IMPROVEMENT PLANS

LOCATED IN SECTION 18 & 19, T. 2 S., R. 6 W., S.B.M. CONSTRUCTION NOTES AND QUANTITIES . DESCRIPTION INSTALL 8" AWWA C900, CLASS 150 PVC NON-POTABLE WATERLINE INSTALL 8" FLANGED GATE VALVE PER JCSD STD. DWG. NO. B-1 INSTALL 8" DIA. AWWA 22.5" BEND W/THRUST BLOCK PER JCSD STD. DWG. NO. C-2 48 EA 4:7 INSTALL 8" DIA. AWWA 45" BEND W/THRUST BLOCK PER JCSD STD. DWG. NO. C-2 2 EA 12 EA INSTALL 8" DIA. AWWA 90° BEND W/THRUST BLOCK PER JCSD STD. DWG. NO. C-2 INSTALL 1" AIR VALVE PER JCSD STD. DWG. NO. E-1 -8- EA 11 EA INSTALL 4" DIA. BLOW-OFF PER JCSD STD. DWG. NO. F-1 2-EA 3 EA HOT-TAP EXIST, 16" RW WITH 16"x8" TAPPING SLEEVE AND 8" FLANGED GATE VALVE AS A 1 EA

-1-EA- 3 EA



- INSTALL 1" IRRIGATION WITH 1" METER PER JCSD STD. DWG. NO. D—2. WITH REDUCED

$\overline{}$	PRESSURE BACKFLOW PREVENTION DEVICE PER JUST STD. DWG. NO. H-2	The same	
27	INSTALL 4" SERVICE MANIFOLD PER JCSD STD. DWG. NO. D-8	1 EA	
28	-3"-CONCRETE-TREATED-DG-OVER-95%-COMPACT-NATIVE	14,722-SF-	
2 9—	CONSTRUCT—TRENCH—DRAIN—PER—DETAIL—ON—SHEET—2	85-LF· }	4
(30) —	CONSTRUCT GRAVIFY-RETAINING-WALL PER-DETAIL ON SHEET-2-	105-LF }	
32 32 20A	INSTALL B" CML& C CLASS ISO NON-POTABLE WATERLINE NTITY DISCLAIMER	20-LF 247 LF	

ABBREVIATIONS AV - AIR VALVE EG - EXISTING GRADE SDR - STANDARD DIMENSION BO - BLOW OFF ETW - EDGE OF TRAVEL WAY RATIO (PVC) BEGIN CURVE EX - EXISTING SFH - SUPER FIRE HYDRANT BOTTOM - FIRE HYDRANT S/W - SIDEWALK - CATCH BASIN - FLOW LINE CURB FACE TC - TOP OF CURB FS - FINISHED SURFACE - CURB & GUTTER TD - TOP OF DIKE - GRADE BREAK CML&C - CONCRETE MORTAR LINED MH - MANHOLE VIF - VERIFY IN FIELD & CEMENT MORTAR COATED OVLY - OVERLAY WSP - WELDED STEEL PIPE C.P. - COLD PLANE PROP - PROPOSED VPI - VERTICAL POINT OF DIA - DIAMETER PVC - POLYVINYL CHLORIDE INTERSECTION DIP - DUCTILE IRON PIPE EC - END CURVE SD - STORM DRAIN HPI - HORIZONTAL POINT OF

GUIDANCE ON NON-POTABLE WATER FACILITIES DESIGN

- 1. ALL PIPES AND RELATED APPURTENANCES INSTALLED ABOVE OR BELOW GROUND THAT ARE DESIGNED TO CARRY NON-POTABLE WATER, SHALL BE COLORED PURPLE OR DISTINCTIVELY WRAPPED WITH PURPLE TAPE, AND SHALL CONFORM TO TITLE 22, TITLE 17, AND THE WATER CODE IN THE CALIFORNIA CODE OF REGULATIONS FOR RECYCLED WATER DESIGN. ALL APPROPRIATE SPACING AND SEPARATION FROM THE POTABLE WATER SYSTEM SHALL BE FOLLOWED.
 - WITH CONCERN TO MAINLINE PIPING, THE DISTRICT WILL ALLOW THE USE OF THE DISTRICT'S CURRENT STANDARD FOR THE PVC PIPE WITH THE DISTINCTION THAT IT WILL BE PURPLE WITH PURPLE CODED TRACER WIRE.
 - WITH CONCERN TO BLOW-OFFS, AIR EVACUATION VALVES AND METERED SERVICES THE DISTRICT WILL ALLOW THE USE OF THE APPROPRIATE CURRENT DISTRICT POTABLE WATER STANDARD WITH EXCEPTION THAT IT WILL BE PURPLE IN COLOR.
- NON-POTABLE WATER VALVE CAPS FOR NON-POTABLE WATER VALVES SHALL BE CONCRETE VALVE BOX TYPE WITH A CAST IRON COVER AND PURPLE COLORED TRIANGULAR SHAPE LID AND MARKED NON-POTABLE WATER (J & R CONCRETE PRODUCTS NO. V4-T VALVE BOX OR APPROVED EQUAL).
- ALL NON-POTABLE METER BOXES SHALL BE PURPLE IN COLOR, BE LABELED NON-POTABLE WATER, AND CONFORM TO THE DISTRICT'S CURRENT POTABLE WATER SPECIFICATION FOR METER BOXES FOR THE

4. LL ON-SITE (PRIVATE) PIPING, APPURTENANCES, FIXTURES, VALVE BOXES, AND SPRINKLER HEADS SHALL CONFORM TO TITLE 22, TITLE 17, AND THE WATER CODE IN THE CALIFORNIA CODE OF REGULATIONS FOR RECYCLED WATER DESIGN, COLOR CODE, AND SIGNAGE. CITY OF EASTVALE PUBLIC WORKS DEPARTMENT

PRIVATE CERTIFICATION:

MISSION BLVD

NEW EUCALYPTUS

THE JURUPA COMMUNITY SERVICES DISTRICT HAS REVIEWED THE WATER AND SEWER FACILITIES WITHIN THE PUBLIC RIGHT-OF-WAY FOR THIS PROJECT, SAID FACILITIES ARE IN CONFORMANCE WITH DISTRICT STANDARDS AND ARE APPROVED. SAID APPROVAL DOES NOT INCLUDE ANY ON-SITE/PRIVATE FACILITIES.

VICINITY MAP

N.T.S.

DIRECTOR OF ENGINEERING & OPERATIONS CERTIFICATION VOID 24 MONTHS FROM ABOVE DATE J.C.S.D. P.N. D133907

CITY OF ONTARIO
RIVERSIDE COUNTY
CITY OF JURUPA VALLEY

WATER CERTIFICATION:

JURUPA COMMUNITY SERVICES DISTRICT

1 CERTIFY THAT THE DESIGN OF THE NON-POTABLE WATER SYSTEM FOR PARCEL MAP NO. 36487 IS IN ACCORDANCE WITH THE NON-POTABLE WATER SYSTEM EXPANSION PLANS OF THE JURUPA COMMUNITY SERVICES DISTRICT, AND THAT THE NON-POTABLE WATER SERVICE, STORAGE, AND DISTRIBUTION SYSTEM WILL BE ADEQUATE TO PROVIDE NON-POTABLE WATER SERVICE TO SUCH DEVELOPMENT. THIS CERTIFICATION DOES NOT CONSTITUTE A GUARANTEE THAT IT WILL SUPPLY NON-POTABLE WATER TO SUCH DEVELOPMENT AT ANY SPECIFIC QUANTITIES, FLOWS, OR PRESSURES FOR FIRE PROTECTION OR ANY OTHER PURPOSES.

DIRECTOR OF ENGINEERING & OPERATIONS CERTIFICATION VOID 24 MONTHS FROM ABOVE DATE.

LEGEND

J.C.S.D. P.N. D133907

----- NON-POTABLE WATERLINE EXIST. 16" RECYCLED WATERLINE ⊗ RESILIENT SEAT GATE VALVE (GV) ----O BLOW-OFF PER STANDARD INDICATED

SUPER FIRE HYDRANT

----- AIR VALVE

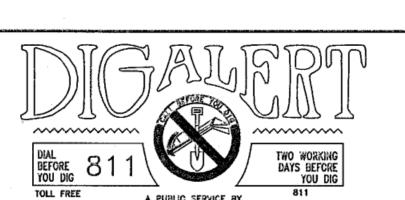
├──圈 SINGLE IRR. WATER SERVICE WITH WATER METER PER STANDARD INDICATED.

SHEET INDEX:

TITLE SHEET SHEET 2 INDEX MAP, NOTES, AND DETAILS SHEET 3 STA 5+34.64 - STA 13+90.00 BELLEGRAVE AVE. - GOODMAN WAY (N-S) SHEET 4 STA 13+90.00 - STA 25+90.00 GOODMAN WAY (N-S) SHEET 5 STA 25+90.00 - STA 37+75.00 SHEET 6 STA 37+75.00 - STA 47+00.00 STA 28+11.75 - STA 40+61.23 GOODMAN WAY - NORTH SHEET 8 STA 14+66.50 - STÁ 21+34.22 GOODMAN WAY - WEST, DETAILS STA 6+00.00 - STA 14+00.00 HAMNER AVE / GOODMAN WAY

munimuni J.C.S.D. DEVELOPMENT ENGINEERING

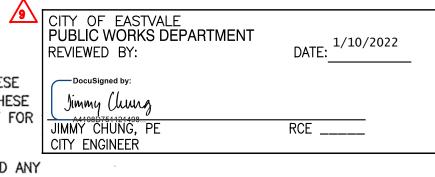
J.C.S.D. ENGINEERING DEPARTMENT RECOMMENDED BY: RECOMMENDED BY: · Dauf Class 8/10/15 DEVELOPMENT SUPERVISOR



AND/OR FEES AND IS NOT TO BE USED FOR BID

NOTICE TO CONTRACTOR:

UTILITIES NOT SHOWN OR NOT IN THE LOCATION SHOWN.



Gustavo Gonzalez

Jimmy Cluma

JIMMY CHUNG. P

CITY ENGINEER

THE EXISTENCE AND LOCATIONS OF ALL UNDERGROUND UTILITIES (UTILITY PIPES, STRUCTURES, ETC.) SHOWN ON THESE PLANS (MAIN LINES ONLY - NO SERVICE LATERALS) WERE ASCERTAINED BY A REVIEW OF RECORDS PROVIDED BY THESE MEMBER AGENCIES AND ARE APPROXIMATE. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY FOR

APPR. DATE

CHECKED BY:

THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY

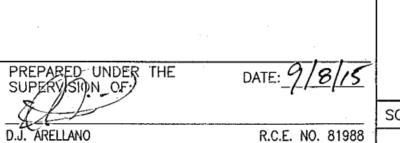
OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS. LOCATIONS OF UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION. 12/2/21 JKA 9 ADDITION OF 1" METER & SERVICE AT STA 40+71.63 \$\omega\$ 12/28/21 CITY OF EASTVALE THE QUANTITY ESTIMATE SHOWN HEREON IS FOR THE USE OF GOVERNING AGENCIES IN DETERMINING BOND AMOUNTS PLANNING DEPARTMENT

3-12-21	BAS	/8\	STA 5+35 TO 5+54 RELOCATE 8-IN VERTICALLY	SW	3/12/21	PLANNING DEPARTMENT
12/8/20	JKA	7	ADDITION OF METERS	SW	1/12/21	REVIEWED BY:
0/11/17	JKA	(g)	RELOCATION OF EX. METER & B.O. & ADDITION OF METERS	SW	10/12/17	Gustavo Gonzale
1/17	BJV	/5\	ADDITION/REMOVAL RELOCATION OF METERS	-	2:23:0	GUSTAVO GONZALES
			CHANGE METER SIZE FROM 1" TO 1.5"			PLANNING MANAGER
8/26/16		4		SCM	8/26/10	CITY OF EASTVALE PUBLIC WORKS DEPARTMENT
5/20/16	JKA	3	REVISED 8" NP WATERLINE CROSSING WITH EXISTING UTILITIES	SCM	5/20/16	REVIEWED BY:
			ADDED BLOW OFF AND AIR VALVE - SHEET 8A			
12-29-15	RLS	2	ELIMINATED 8"NP WATERLINE TO WELL SITE. ADD AND	SCM	1/27/16	
er grand and the second and the seco	1		LABEL RESTRAINTS TO PUC WATERLINE.			
12・7-15	RLS	1	EXTENDED &" NP WATERLINE. CHANGED PIPE	SCM	12/8/5	DocuSigned by:

REVISIONS

DRAWN BY:

NO. 81988



INTERSECTION



RCE 25161

ENGINEERING CONSULTANTS

3788 McCRAY STREET RIVERSIDE CA. 92506 PH. (951) 686-1070 FAX (951) 788-1256

SHEET JURUPA COMMUNITY SERVICES DISTRICT CITY OF EASTVALE, CALIFORNIA PARCEL MAP NO. 36487 GOODMAN COMMERCE CENTER AT EASTVALE NON-POTABLE WATER IMPROVEMENT PLANS TITLE SHEET, NOTES

OF 8 SHEETS DWG. NO. 14-0010

DATE BY MARK MATERIAL.

DATE: 12/28/2020

12/22/2020

DATE

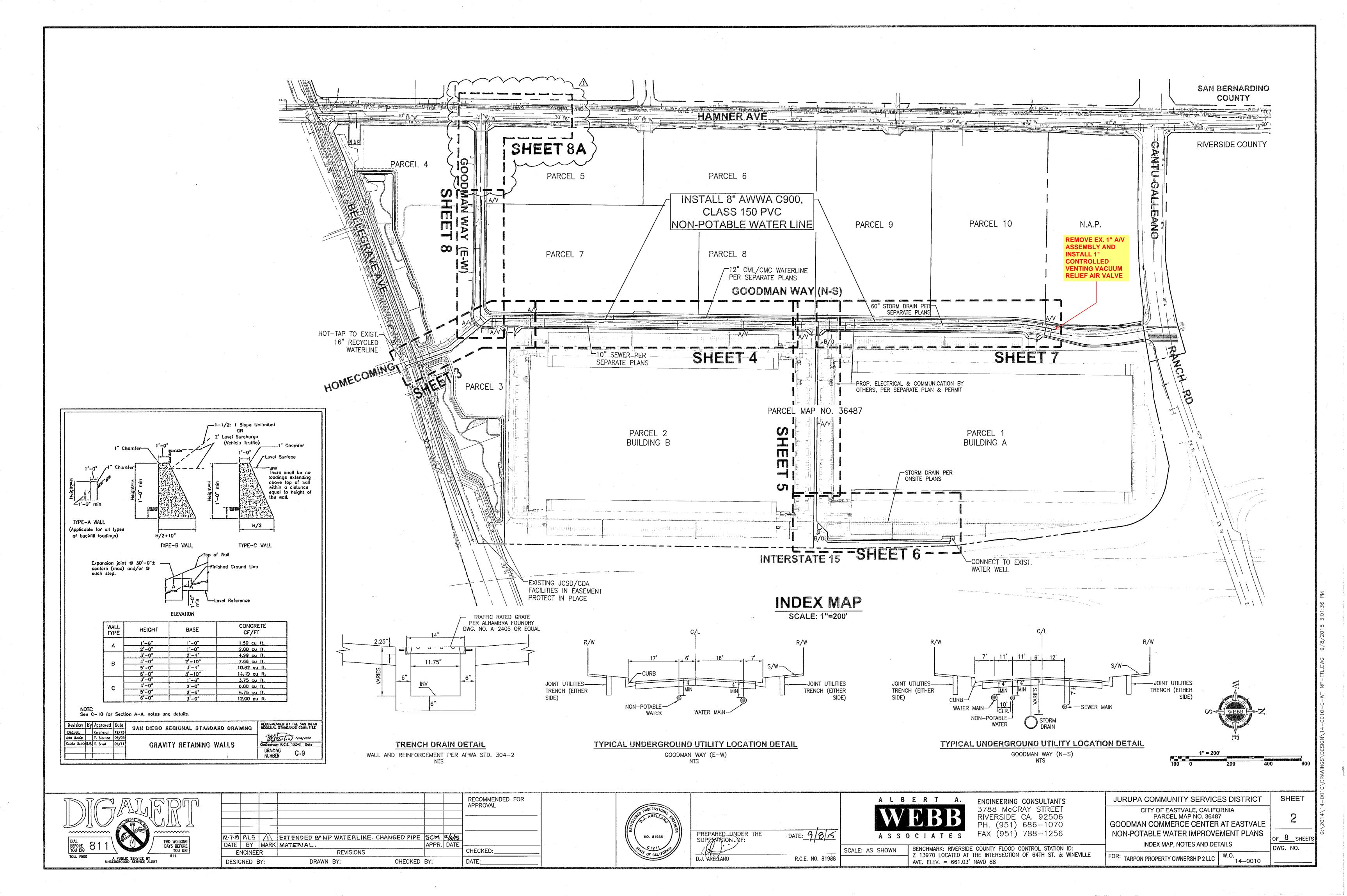
SCALE: AS SHOWN R.C.E. NO. 81988

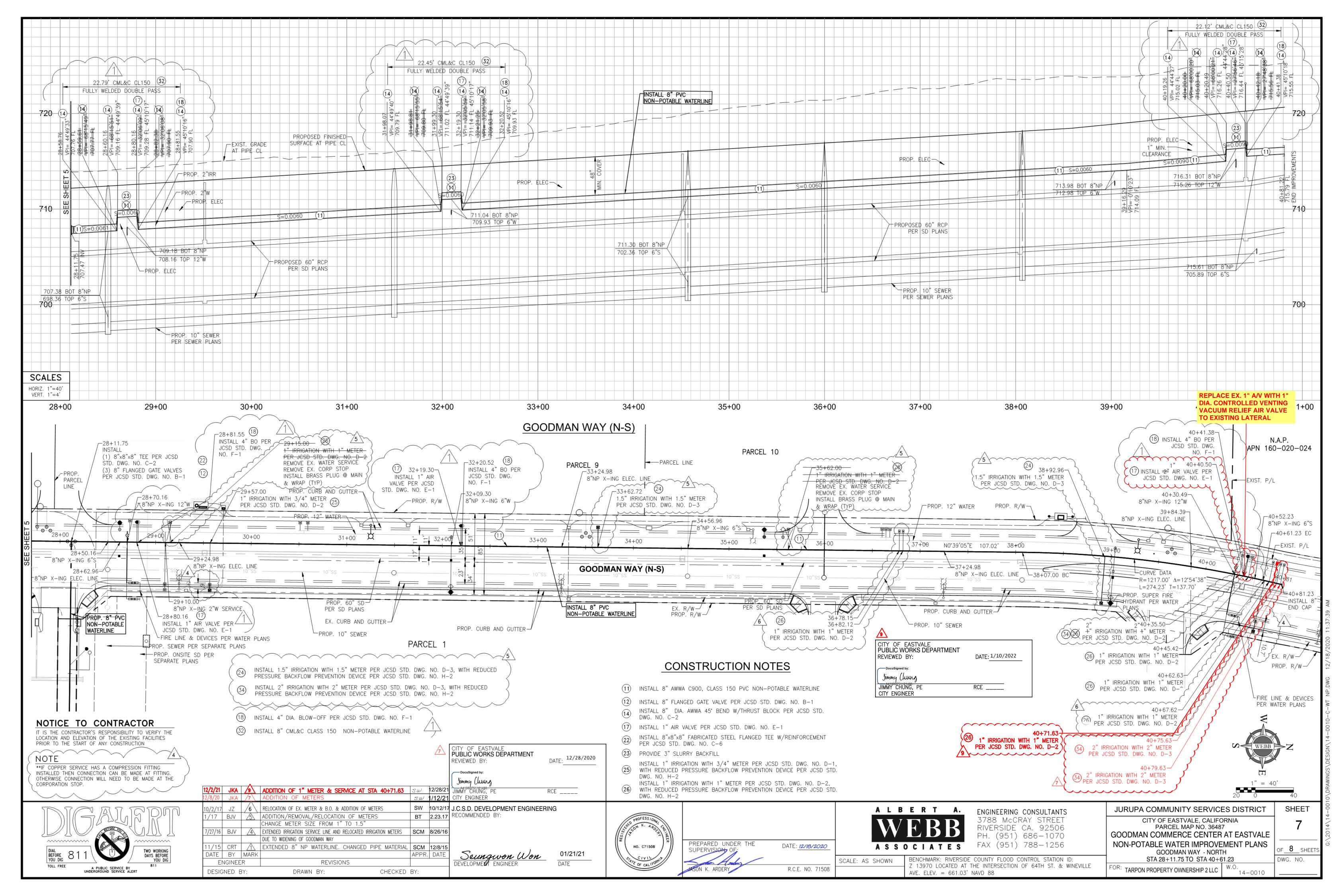
ACCEPTED BY:

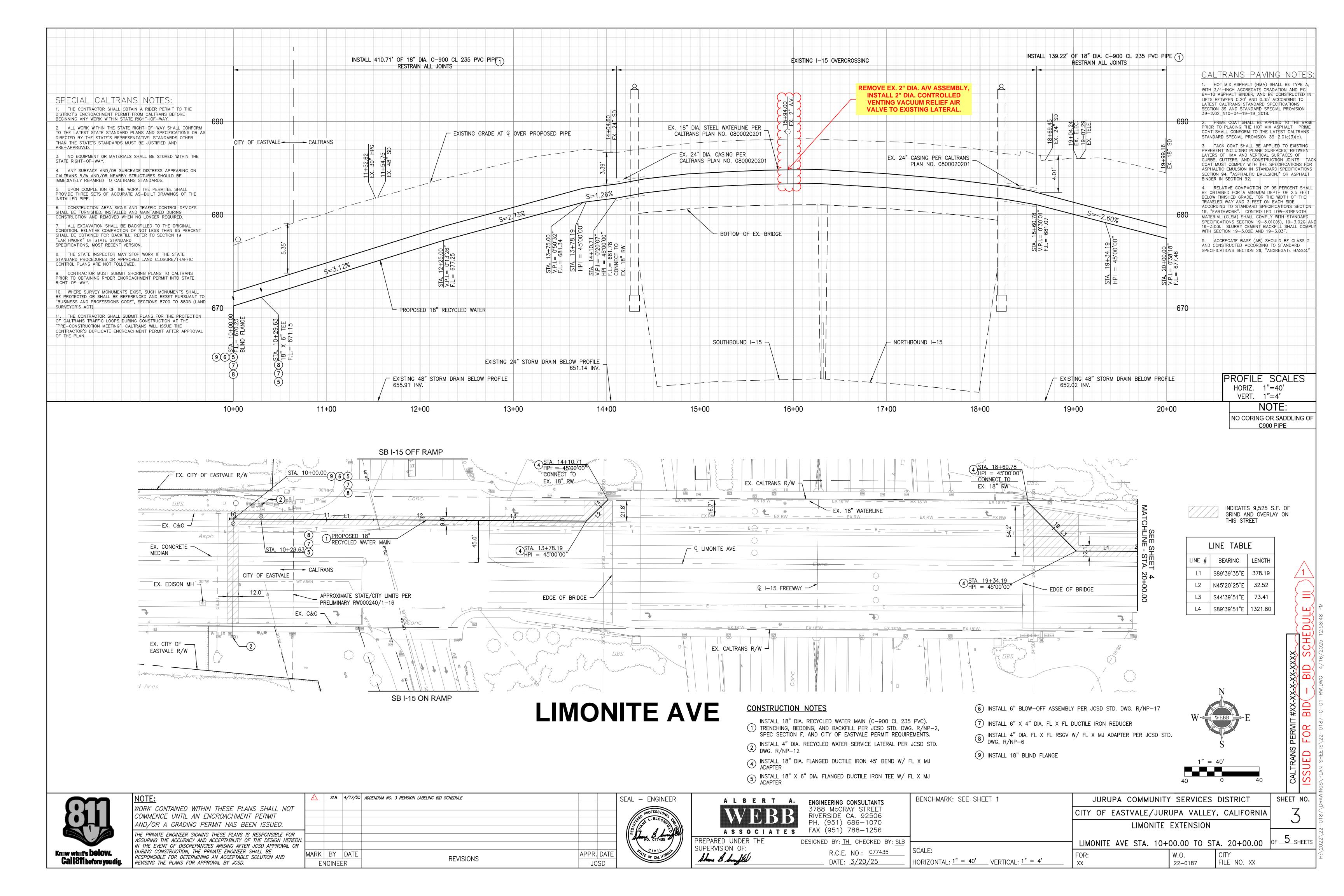
GEORGE ALVEREZ, CITY ENGINEER

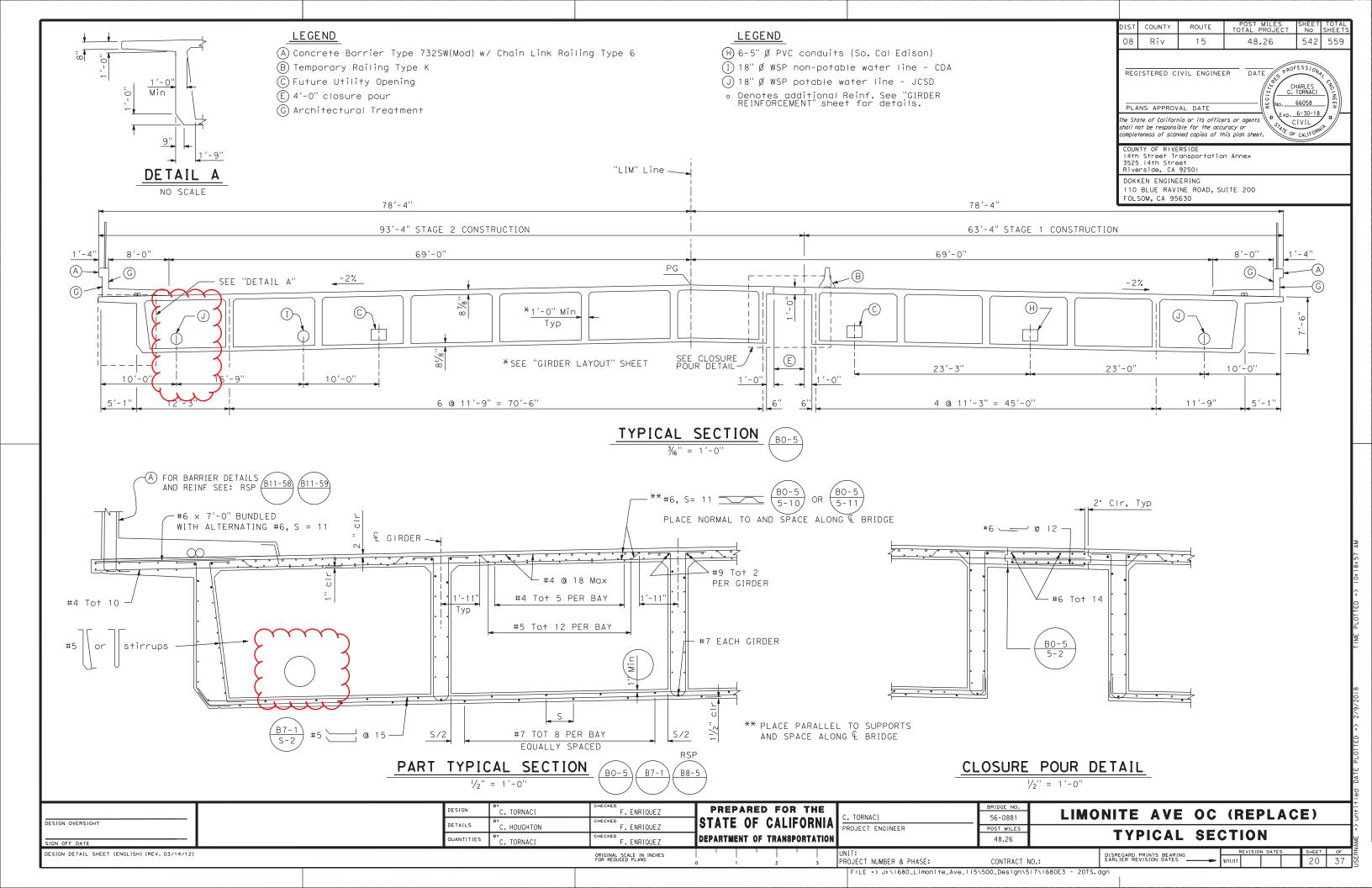
BENCHMARK: RIVERSIDE COUNTY FLOOD CONTROL STATION ID: Z 13970 LOCATED AT THE INTERSECTION OF 64TH ST. & WINEVILLE AVE. ELEV. = 661.03' NAVD 88

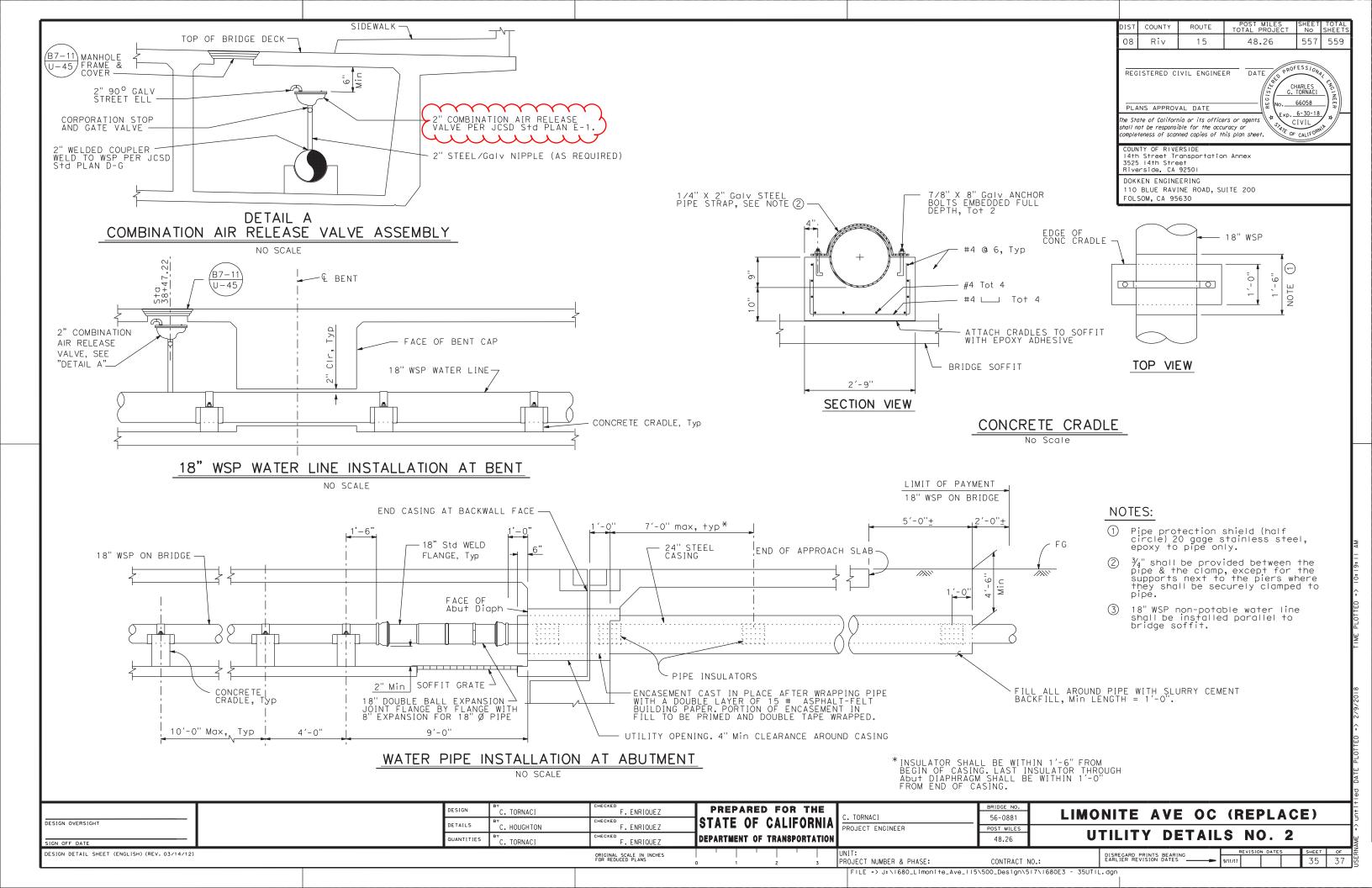
FOR: TARPON PROPERTY OWNERSHIP 2 LLC W.O.

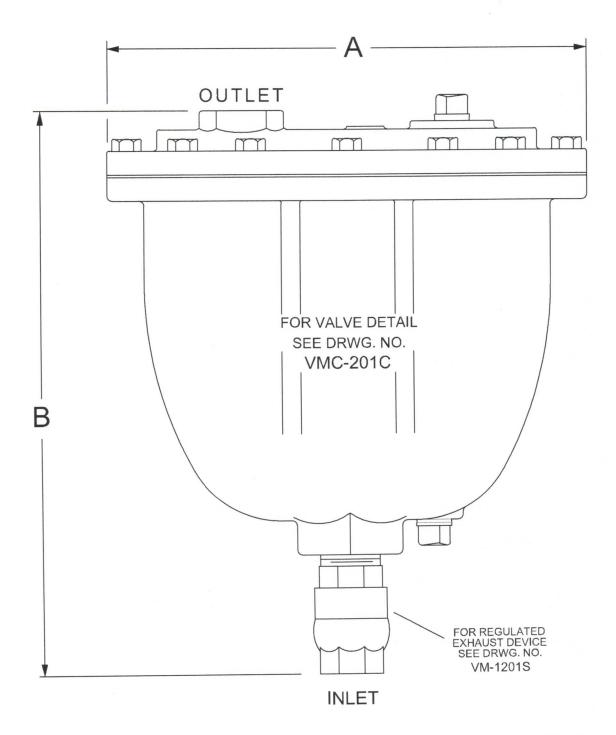












		DIN	MENSIO	NS, IN	CHES		
VALVE SIZE	MODEL NO.	CWP (PSI)		INLET	OUTLET	A	В
1	201CSS	250	5/64	1" NPT	1" NPT	11.4	13.6
2	202CSS	250	3/32	2" NPT	2" NPT	14.0	17.3

REV 7-17-23

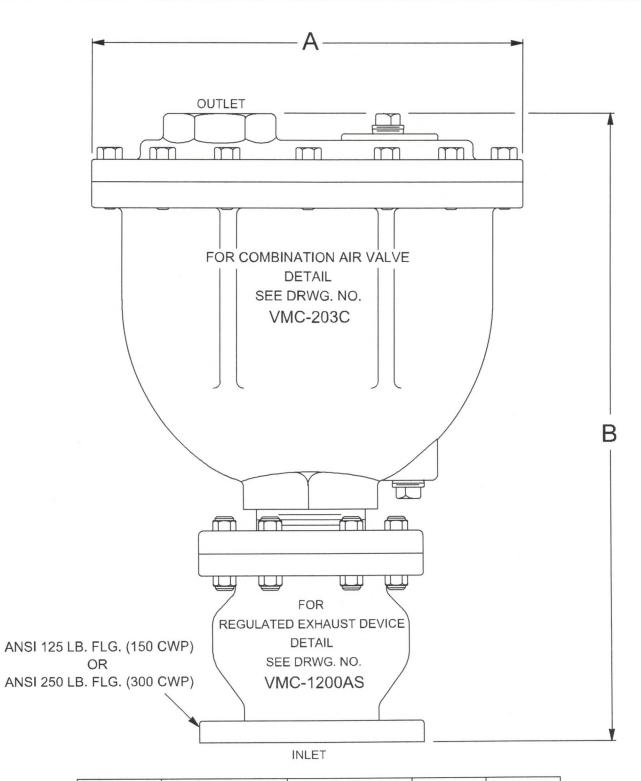
SURGE SUPPRESSION COMBINATION AIR VALVE

DATE 8-25-17

DRWG. NO.

VALVE AND MANUFACTURING CORP.

VMC-201CSS



VALVE SIZE	125 LB.MODEL NO.	250 LB.MODEL NO.	Α	В
3	203CSSA	253CSSA	16.00	22.75
4	204CSSA	254CSSA	18.50	27.00

SURGE SUPRESSION AIR VALVE	DATE 1-11-17
	DRWG. NO. VM-203CSSA
VALVE AND MANUFACTURING CORP.	V IVI-203033A

Inlet	Inlet Outlet		CWP	Orifice	Dimensions (Inches		
Size	Size	Model Number*	PSI	Size	A	В	
1" NPT	1" NPT	201CSS.1	250	5/64"	11.40	13.60	
2" NPT	2" NPT	202CSS.1	250	3/32"	14.00	17,30	
3" 125 lb Flg	3" NPT	203CSSA.1	150	3/32"	16.00	22.75	
3" 250lb Flg	3" NPT	253CSSA.1	300	3/32"	16.00	22.75	
4" 125lb Flg	4" NPT	204CSSA.1	150	3/32"	18.50	27.00	
4" 250lb Flg	4" NPT	254CSSA.1	300	3/32"	18.50	27.00	
6" 125lb Flg	6" NPT	206CSSA.1	150	3/8"	21.00	30.00	
6" 250lb Flg	6" NPT	256CSSA.1	300	7/32°	21.00	30.00	
8" 125lb Flg	8" NPT	208CSSA.1	150	3/8"	25.00	36.00	
8" 250lb Flg	8" NPT	258CSSA.1	300	7/32"	25.00	36.00	



201CSS.1 - 258CSSA.1 Surge-Suppression Single Body Air Valves

^{*}NSF 61 & 372 Certified

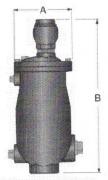
Inlet Outlet**		All and Name have	CWP	Orlfice	Dimensions (Inches		
Size	Size	Model Number*	PSI	Size	A	В	
4" 125lb Flg	4" NPT	104SSA/38	150	3/16"	21.00	29.00	
4" 250lb Flg	4' NPT	154SSA/38.5	300	5/32"	21.00	29.00	
6" 125lb Flg	6" NPT	106SSA/38	150	3/16"	24.00	33.00	
6" 250lb Flg	6" NPT	156SSA/38.5	300	5/32"	24.00	33.00	
8" 125lb Flg	8" NPT	108SSA/38	150	3/16"	27.00	39.00	
8" 250lb Fig	8° NPT	158SSA/38.5	300	5/32"	27.00	39.00	
10" 125lb Flg	10" Flg	110FSSA/45	150	23/64"	32.10	46.20	
10" 250lb Flg	10" Flg	160FSSA/45.5	300	7/32"	32.10	46.20	
12" 125lb Flg	12" Flg	112FSSA/45	150	23/64"	36.10	48.20	
12" 250lb Flg	12" Flg	162FSSA/45.5	300	7/32"	36.10	48.20	



104SSA/38 - 162FSSA/45.5 Surge-Suppression Dual Body Air Valves

^{**}All outlet flanges are class 125 lb.
Note: For sizes 14" - 20" Consult Factory

Inlet	Outlet	No. of Northern	CWP	Orifice	Dimensions (Inche	
Size	Size	Model Number	PSI	Size	Α	В
2" NPT	1" NPT	801SS	150	1/8"	7.00	18.00
2" NPT	2" NPT	80255	150	9/64"	9.50	22.40
3" NPT	3" NPT	803SSA	150	11/64"	11.00	27.20
4" NPT	4' NPT	804SSA	150	11/64"	11.00	33.20



801SS - 804SSA Surge-Suppression Single Body Wastewater Air Valves

2/2

^{*}NSF 61 & 372 Certified

ATTACHMENT E

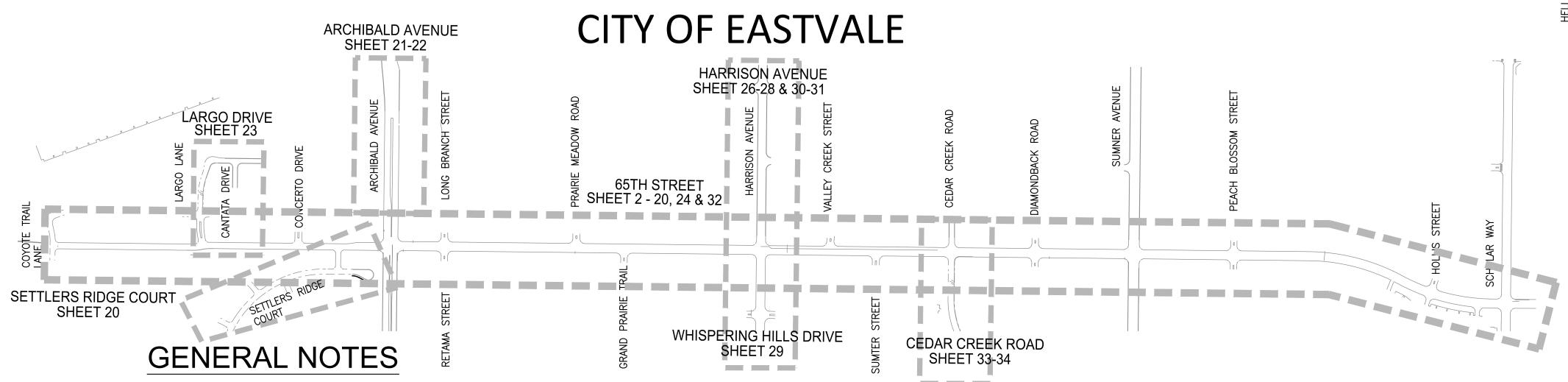
APPENDIX H

JCSD Submitted
Traffic Control Plans

TEMPORARY TRAFFIC CONTROL PLANS

FOR JURUPA COMMUNITY SERVICES DISTRICT **RECYCLED WATER PROGRAM - SEGMENT 2**

65TH STREET BETWEEN SCHOLAR WAY AND COYOTE LANE CEDAR CREEK ROAD BETWEEN 65TH STREET AND PROSPECTOR COURT HARRISON AVENUE BETWEEN 65TH STREET AND SCHLEISMAN ROAD SETTLERS RIDGE COURT BETWEEN 65TH STREET AND DEER CREEK DRIVE



BASIS OF BEARINGS:

"THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA STATE PLANE COORDINATE SYSTEM, CCS83, ZONE 6, BASED LOCALLY ON CONTROL STATIONS "CNPP", AND "NOCO" NAD 83(NSRS2011) EPOCH 2010.00 AS SHOWN HEREON. ALL BEARINGS SHOWN ON THIS MAP ARE GRID. QUOTED BEARINGS AND DISTANCES FROM REFERENCE MAPS OR DEEDS ARE AS SHOWN PER THAT RECORD REFERENCE. ALL DISTANCES SHOWN ARE GROUND DISTANCES UNLESS SPECIFIED OTHERWISE. GRID DISTANCES, MAY BE OBTAINED BY MULTIPLYING THE GROUND DISTANCE BY A COMBINATION FACTOR

OF 0.999990123083. CALCULATIONS ARE MADE AT PT. NO. 1 WITH COORDINATES OF: N: 2290562.880, E: 6148584.217, USING AN ELEVATION OF 562.813.

BENCHMARK DATA:

COUNTY/STATE: RIVERSIDE/CA STATION ID; Z 13971 NAVD 88 DATUM: 663.50 ELEV:

DESC.: 1" IP W/ TAG LS 4131 DN. 0.04', CL WINEVILE AVE. \pm 70' S'LY OF 63RD ST.

NOTICE TO CONTRACTORS

TWO WORKING DAYS BEFORE YOU DIG

- CONTRACTOR AGREES THAT HE SHALL ASSUME COMPLETE AND SOLE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL 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 THIS PROJECT, EXCEPTING FROM LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
- THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THESE LOCATIONS ARE APPROXIMATE AND SHALL BE CONFIRMED IN FIELD BY THE CONTRACTOR, SO THAT ANY NECESSARY ADJUSTMENT CAN BE MADE IN ALIGNMENT AND/OR GRADE OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ANY UTILITY LINES SHOWN AND ANY OTHER LINES NOT SHOWN ON THESE PLANS.
- MAJOR ITEMS TO BE REMOVED HAVE BEEN NOTED ON THESE PLANS, HOWEVER THE CONTRACTOR IS TO WALK THE SITE FOR VERIFICATION OF ADDITIONAL SURFACE FEATURES REQUIRING REMOVAL. THE CONTRACTOR IS RESPONSIBLE TO REMOVE ALL OBJECTS AND MATERIALS (AC, CONCRETE, TREES, BUSHES, FENCING, ETC.) THAT ARE IN CONFLICT WITH THE NEW PROPOSED IMPROVEMENTS WHETHER CALLE-OUT OR NOT ON THE PLANS AND DISPOSE OF LEGALLY. CONTRACTOR IS TO BACKFILL ACCORDINGLY AND LEAVE SITE IN A RELATIVELY LEVEL CONDITION.

REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

- DEPARTMENT OF TRANSPORTATION (CALTRANS) 2022 STANDARD PLANS AND STANDARD SPECIFICATIONS, THE 2014 CALIFORNIA
- RESPONSIBLE FOR FURNISHING AND INSTALLING ANY ADDITIONAL DEVICES NECESSARY TO ASSURE PUBLIC SAFETY AND TRAFF FLOW AT ALL TIMES DURING CONSTRUCTION.
- THE CONTRACTOR SHALL FURNISH AND PROPERLY INSTALL, CONSTRUCT, ERECT, USE AND CONTINUOUSLY INSPECT AND MAINTAI TWENTY-FOUR (24) HOURS PER DAY, SEVEN (7) DAYS PER WEEK, WHICH INCLUDES HOLIDAYS, ALL SAID DEVICES, EQUIPMENT AND MATERIALS AND ALL TEMPORARY AND PERMANENT PEDESTRIAN AND DRIVING SURFACES AS NECESSARY TO PROVIDE FOR THE SAFETY AND CONVENIENCE OF, AND TO PROPERLY WARN, GUIDE, CONTROL, REGULATE, CHANNELIZE AND PROTECT THE VEHICULAR TRAFFIC, PEDESTRIAN TRAFFIC, PROTECT WORKERS, AND THE PUBLIC THROUGHOUT THE ENTIRE LIMITS OF THE WORK ACTIVITY AND BEYOND SAID LIMITS AS NECESSARY TO INCLUDE AREAS AFFECTING OR AFFECTED BY THE WORK. FROM THE DATE OF NOTICE TO PROCEED TO THE COMPLETION AND ACCEPTANCE OF THE WORK.
- 4. ANY CONTRACTOR PERFORMING WORK ON THIS PROJECT SHALL FAMILIARIZE WITH THIS SITE AND SHALL BE SOLELY RESPONSIBLE FOR ANY DAMAGE TO EXISTING FACILITIES RESULTING DIRECTLY OR INDIRECTLY FROM THEIR OPERATIONS, WHETHER OR NOT SUCH FACILITIES ARE SHOWN ON THESE PLANS.
- 5. ANY REVISIONS TO THESE DRAWINGS SHALL BE APPROVED IN WRITING BY THE ENGINEER OF RECORD AND THE AGENCY HAVING
- 6. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND A BUSINESS LICENSE FROM THE CITY BEFORE BEGINNING ANY WORK IN ROAD RIGHT-OF-WAY.
- 7. NO EQUIPMENT OR MATERIAL SHALL BE STORED IN CALTRANS RIGHT-OF-WAY OR CITY'S RIGHT-OF-WAY OR CITY APPROVED LOCATION.

8. CONTRACTOR SHALL CONTACT THE CITY REPRESENTATIVE AT LEAST SEVEN (7) DAYS IN ADVANCE OF PLACING TRAFFIC CONTROL

FQUIPMENT FOR APPROVAL.

FNGINFFR

- 9. ALL ADJACENT BUSINESSES, SCHOOL, RESIDENCES, SCHOOL AND CHURCHES SHALL BE DULY NOTIFIED BY THE CONTRACTOR, IN WRITING, OF HIS PROPOSED OPERATIONS. NOTICE SHALL BE DELIVERED AT LEAST SEVEN (7) WORKING DAYS PRIOR TO START OF CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPRODUCTION OF NOTIFICATION LETTERS. RE-NOTIFICATION WILL BE REQUIRED IF THE CONTRACTOR'S SCHEDULE IS ALTERED OR OTHER DELAYS OCCUR WHICH AFFECT THE
- 10. ACCESS TO BUSINESS, RESIDENCES, SCHOOLS AND CHURCHES SHALL REMAIN OPEN AT ALL TIMES UNLESS OTHERWISE AUTHORIZED. ACCESS CLOSURE SHALL BE SCHEDULED WITH THE PROPERTY OWNERS AND APPROVED BY THE CITY.
- 11. CONTRACTOR SHALL COVER EXISTING TRAFFIC SIGNS, TRAFFIC SIGNALS, OR PEDESTRIAN SIGNAL INDICATIONS SHOULD SAID CONTROLS CONFLICT WITH TEMPORARY TRAFFIC CONTROL PLAN OR AS DIRECTED BY THE CITY.
- 12. ALL CONFLICTING LINES, ARROWS, MARKINGS, OR CURB PAINT SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO THE REMOVAL OF MARKINGS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER.
- 13. TEMPORARY PAVEMENT DELINEATION SHALL BE FURNISHED, PLACED, MAINTAINED AND REMOVED IN ACCORDANCE WITH THE PROVISIONS IN SECTION 12-3.01, "GENERAL," OF THE CALTRANS STANDARD SPECIFICATIONS. CONTRACTOR SHALL USE REMOVABLE PREFORMED PLASTIC MARKINGS FOR PAVEMENT DELINEATION.
- 14. WHENEVER THE WORK CAUSES OBLITERATION OF PAVEMENT DELINEATION, TEMPORARY OR PERMANENT PAVEMENT DELINEATION SHALL BE IN PLACE PRIOR TO OPENING THE TRAVELED WAY TO PUBLIC TRAFFIC. LANE LINES AND CENTERLINE PAVEMENT DELINEATION SHALL BE PROVIDED AT ALL TIMES FOR TRAVELED WAYS OPEN TO THE PUBLIC TRAFFIC.
- 15. CONTRACTOR SHALL REPLACE/REPAIR ANY AND ALL STRIPING, PAVEMENT MARKINGS, RAISED PAVEMENT MARKERS, AND CURB PAINT DISRUPTED OR REMOVED DURING THE CONSTRUCTION TO THE SATISFACTION OF THE CITY ENGINEER AND THE CALTRANS ENGINEER.

CITY

CONTRACT BY INTERWEST

- 16. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE REMOVED FOLLOWING COMPLETION OF EACH CONSTRUCTION STAGE AND
- GUARDING THE WORK AREA OVERNIGHT
- PLACE ADDITIONAL "LANE CLOSED" C30(CA) SIGNS ON TYPE-II BARRICADES AS DIRECTED BY THE CITY ENGINEER THROUGHOUT EXTENDED WORK AREA IN EACH LANE THAT IS CLOSED. INSTALL "OPEN TRENCH" C27(CA) SIGNS WHENEVER OPEN EXCAVATION AREAS EXIST ADJACENT TO THE TRAVELED WAY.
- 20. A MINIMUM OF 5' CLEARANCE SHALL BE MAINTAINED BETWEEN OPEN EXCAVATION AND ADJACENT TRAVEL LANES OPEN TO PUBLIC.
- 21. TRAFFIC SIGNALS SHALL REMAIN IN OPERATION AT ALL TIMES. SIGNAL OPERATION MODIFICATION DURING EACH CONSTRUCTION STAGE SHALL BE COORDINATED WITH AND APPROVED BY THE CITY SEVEN (7) DAYS IN ADVANCE.
- 22. CONTRACTOR IS RESPONSIBLE TO PROVIDE QUALIFIED TRAFFIC SIGNAL TECHNICIANS TO MODIFY AND MAINTAIN TRAFFIC SIGNAL DURING CONSTRUCTION.
- 23. CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA) AS RELATED TO PEDESTRIAN ACCESS AND SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES PER ADA REQUIREMENTS. SIDEWALK CLOSURE/DETOUR SHALL COMPLY WITH CA-MUTCD AND SHALL OBTAIN APPROVAL FROM THE CITY.
- 24. STEEL PLATES SHALL BE MAINTAINED FOR OPEN EXCAVATIONS DURING NON-WORKING HOURS. CONTRACTOR SHALL INSTALL "STEEL PLATES AHEAD" AND/OR "ROUGH ROAD" SIGNS IN ADVANCE OF STEEL PLATE BRIDGING.
- 25. PROPERLY TRAINED AND EXPERIENCED FLAGGERS SHALL BE PROVIDED TO DIRECT TRAFFIC WHEN SAID TRAFFIC IS TO BE INTERRUPTED, WHEN TWO-WAY TRAFFIC IS TO BE REDUCED TO ONE-WAY TRAFFIC, AND AT OTHER SUCH TIMES AS IS NECESSARY SHEET 1 TO SAFELY PASS TRAFFIC THROUGH OR AROUND THE WORK AREA AND WHEN SO DIRECTED BY THE ENGINEER.
- 26. CONSTRUCTION TRUCK TRAFFIC MERGING INTO TRAFFIC LANES SHALL BE BY USE OF FLAGGERS AND APPROPRIATE SIGNAGE.
- 27. THE CITY MAY REQUIRE ADDITIONAL TRAFFIC CONTROL IN SCHOOL ZONES, IF SCHOOLS ARE IN SESSION.
- 28. TRAFFIC CONTROL WITHIN THE STATE RIGHT-OF-WAY SHALL BE TO STATE STANDARDS. THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL TRAFFIC CONTROL DEVICES AS NECESSARY TO MAINTAIN PUBLIC SAFETY. ALL WORK WITHIN SIX (6) FEET OF THE SHOULDER WILL REQUIRE CLOSURE OF THE SHOULDER. ALL WORK WITHIN SIX (6) FEET OF TRAVELED WAY WILL REQUIRED CLOSURE OF THAT LANE. USE OF A FLASHING ARROW BOARD IS MANDATORY.
- 29. CONTRACTOR SHALL PROTECT IN PLACE ANY TRAFFIC SIGNAL INTERCONNECT CONDUIT AND WIRING ALONG XXX AVENUE. IF PERMIT PROJECT COMES IN CLOSE PROXIMITY OF CONDUITS IN THE CALTRANS RIGHT-OF-WAY, A CALTRANS REPRESENTATIVE MUST BE PRESENT TO INSPECT THE JOB TO ENSURE THAT THE CONDUITS OR WIRING WILL NOT BE DAMAGED.
- 30. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT ALL DAMAGED OR DESTROYED TRAFFIC SIGNAL CONDUITS, WIRING, AND LOOPS IN KIND.
- 31. ENSURE THAT WORK VEHICLES OR EQUIPMENT SHOULD NOT BE PARKED WITHIN 6 FEET OF TRAFFIC LANE TO PERFORM ACTIVE CONSTRUCTION.
- 32. WHEN TRENCH EXCAVATION ACTIVITY HAS BEEN COMPLETED OR PUT ON HOLD, THE TRENCH MUST BE BACKFILLED OR PROTECTED AS SPECIFIED IN THE STANDARD SPECIFICATIONS, SECTION 86-2.01.

33. CONTRACTOR SHALL STEEL PLATE OPEN TRENCH AT END OF EACH WORK DAY. PROVIDE W8-17 & W8-24 WARNING SIGNS IN

ADVANCE OF ANY STEEL PLATING. 34. CONTRACTOR SHALL NOTIFY RTA (951) 565-5160 OR ANY OTHER IMPACTED TRANSIT SERVICE AT LEAST 5 WORKING DAYS PRIOR

H: AS SHOWN

35. ADT WITH HIGHER THAN 15,000 VEHICLE PER HOUR WILL REQUIRE A MESSAGE BOARD PLACED 7 DAYS IN ADVANCE OF CONSTRUCTION. MESSAGE "ROAD WORK/MONTH DATE TO MONTH DATE/EXPECT DELAY".

SHEET INDEX:

AVENUE

TITLE SHEET SHEET 2-20 65TH STREET TRAFFIC CONTROL PLANS: PHASE 1-9 SHEET 21-22 ARCHIBALD AVENUE TRAFFIC CONTROL PLANS: PHASE 10-12 SHEET 23 LARGO DRIVE TRAFFIC CONTROL PLANS: PHASE 13 SHEET 24 65TH STREET TRAFFIC CONTROL PLANS: PHASE 14-15 SHEET 25 SETTLERS RIDGE COURT TRAFFIC CONTROL PLANS: PHASE 16-17 SHEET 26-28 HARRISON AVENUE TRAFFIC CONTROL PLANS: PHASE 18-19 SHEET 29 WHISPERING HILLS DRIVE TRAFFIC CONTROL PLANS: PHASE 20

ONTARIO

PROJECT

LOCATION

LIMONITE AVENUE

JCSD BOUNDARY

STREET

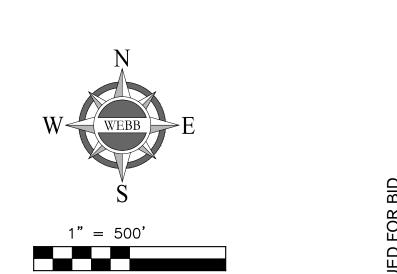
VICINITY MAP

NOT TO SCALE

EASTVAL

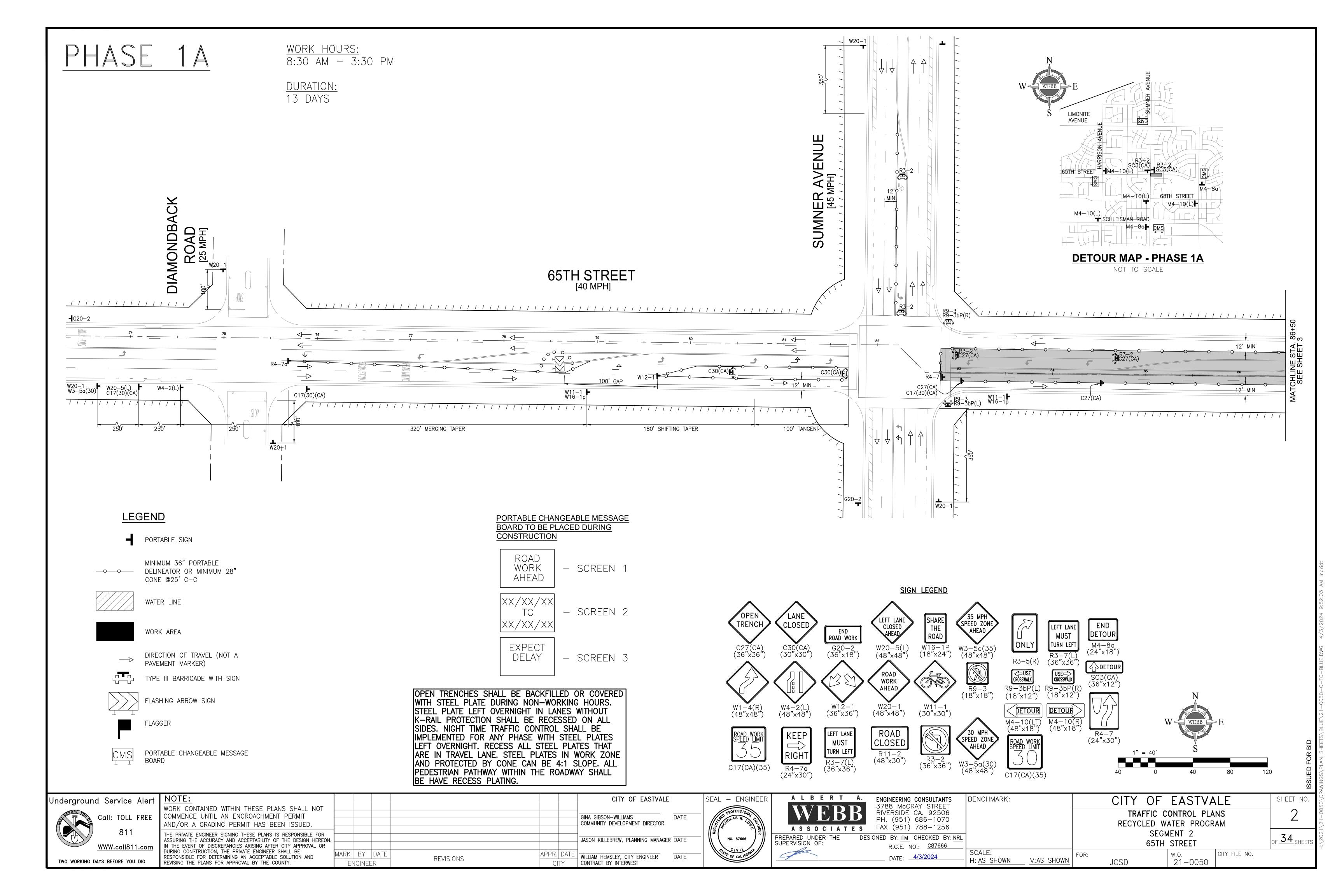
SHEET 30-31 HARRISON AVENUE TRAFFIC CONTROL PLANS: PHASE 21-22 65TH STREET TRAFFIC CONTROL PLANS: PHASE 23 SHEET 33-34 CEDAR CREEK ROAD TRAFFIC CONTROL PLANS: PHASE 24-25

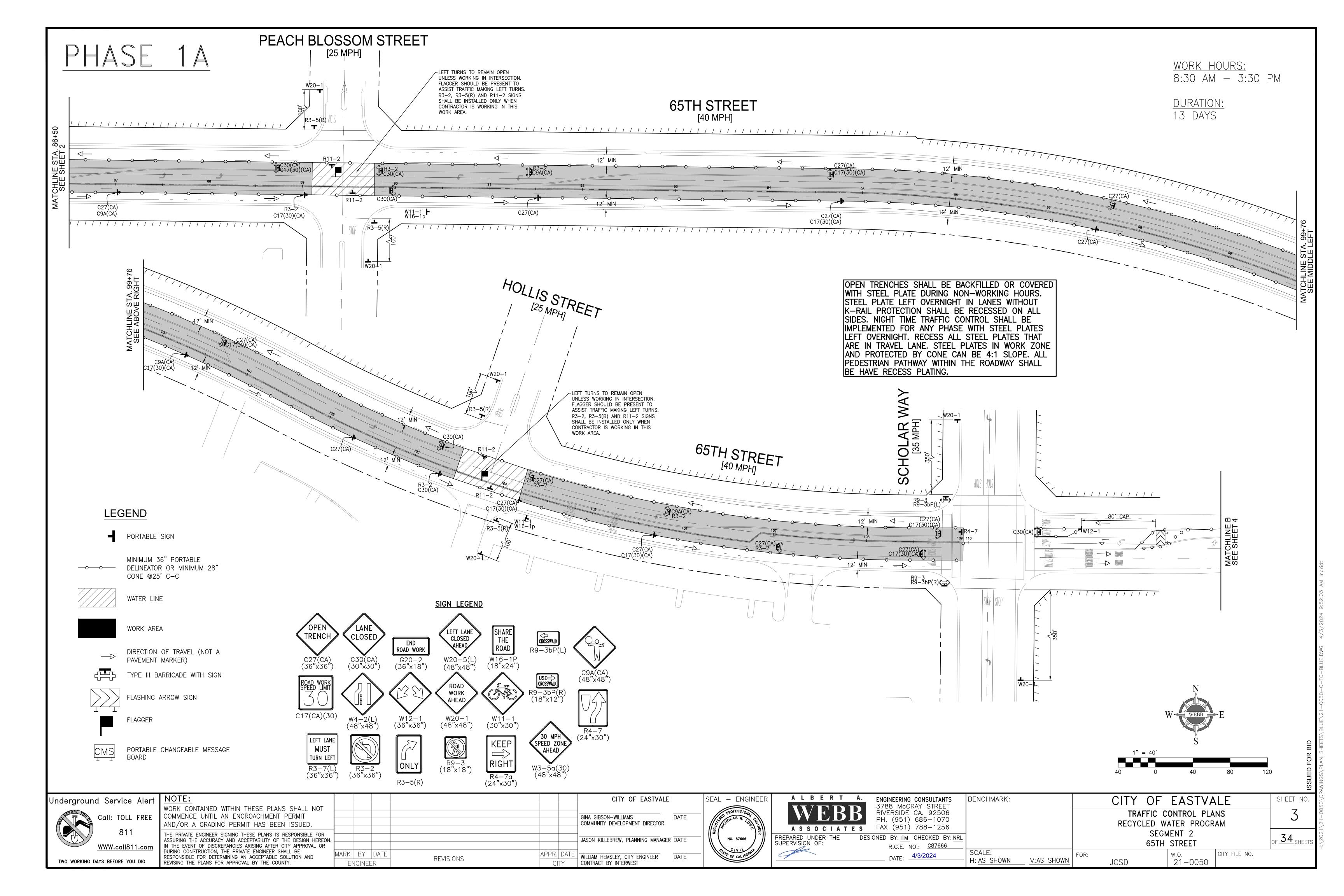
21-0050



CITY OF EASTVALE **Inderground Service Alert** CITY OF EASTVALE SEAL — ENGINEER BENCHMARK: SHEET NO. ENGINEERING CONSULTANTS 3788 McCRAY STREET WORK CONTAINED WITHIN THESE PLANS SHALL NOT RIVERSIDE CA. 92506 TRAFFIC CONTROL PLANS COMMENCE UNTIL AN ENCROACHMENT PERMIT Call: TOLL FREE GINA GIBSON-WILLIAMS PH. (951) 686-1070 RECYCLED WATER PROGRAM COMMUNITY DEVELOPMENT DIRECTOR AND/OR A GRADING PERMIT HAS BEEN ISSUED. FAX (951) 788-1256 ASSOCIATES SEGMENT 2 THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR $_{\text{NF}}$ 34_{SHEF} PREPARED UNDER THE DESIGNED BY: ITM CHECKED BY: NRL JASON KILLEBREW, PLANNING MANAGER DATE ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. TITLE SHEET SUPERVISION OF: R.C.E. NO.: <u>C87666</u> IN THE EVENT OF DISCREPANCIES ARISING AFTER CITY APPROVAL OR WWW.call811.com DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE CITY FILE NO. 1ARK | BY |DATE DATE: <u>4/3/2024</u> WILLIAM HEMSLEY, CITY ENGINEER RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISIONS V:AS SHOWN

TO CONSTRUCTION.

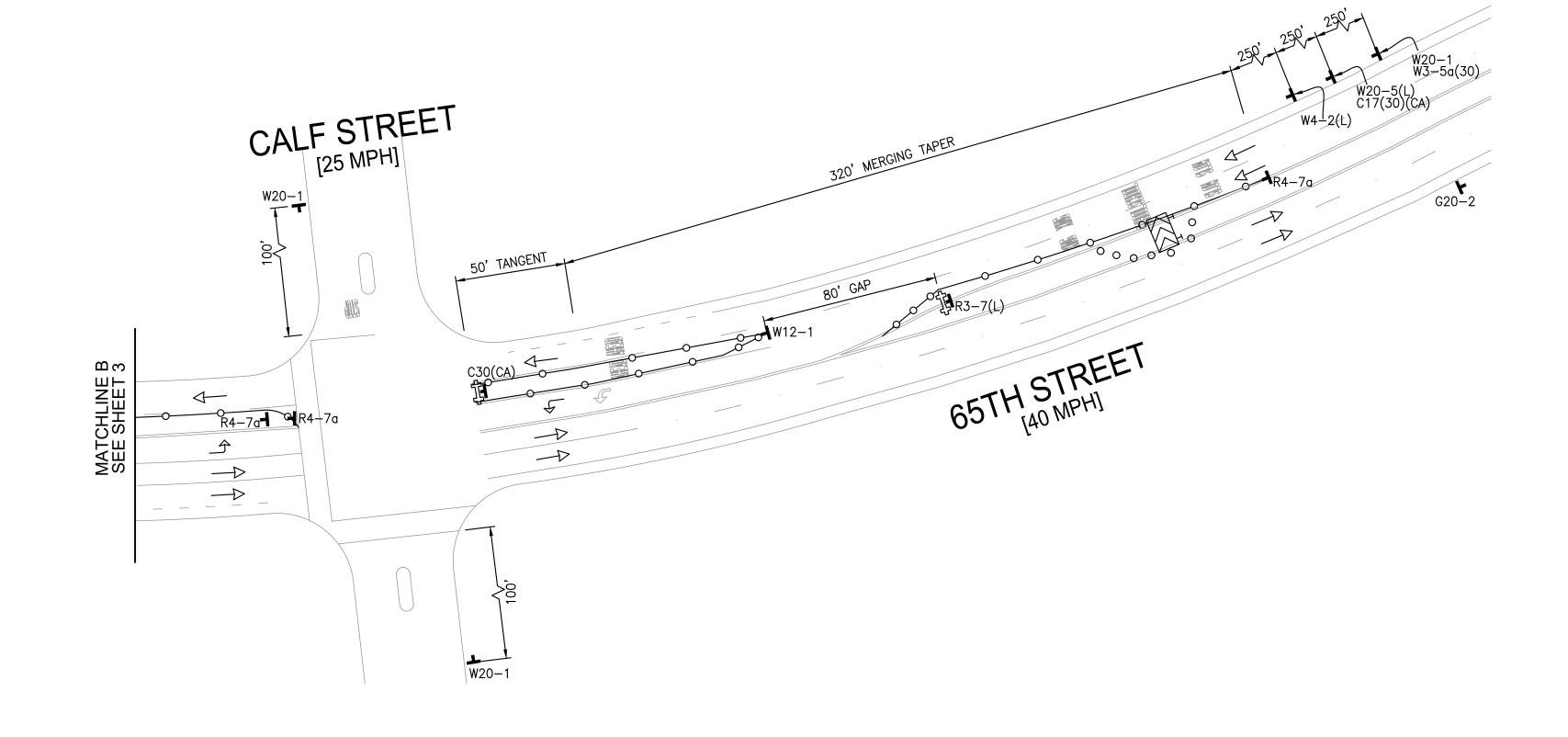




PHASE 1A

WORK HOURS: 8:30 AM - 3:30 PM

DURATION: 13 DAYS



LEGEND

PORTABLE SIGN

MINIMUM 36" PORTABLE —○—O DELINEATOR OR MINIMUM 28" CONE @25' C-C



WATER LINE



WORK AREA



PAVEMENT MARKER)

DIRECTION OF TRAVEL (NOT A

TYPE III BARRICADE WITH SIGN

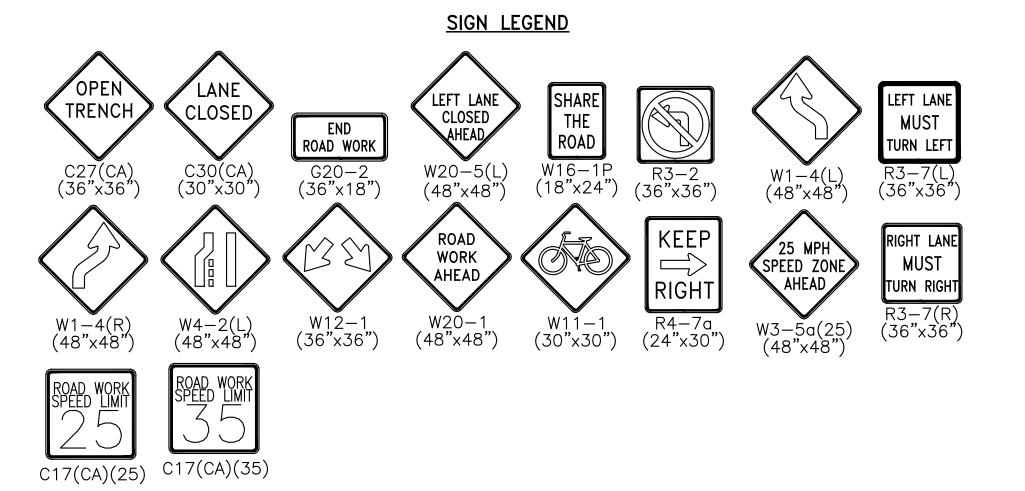


FLASHING ARROW SIGN

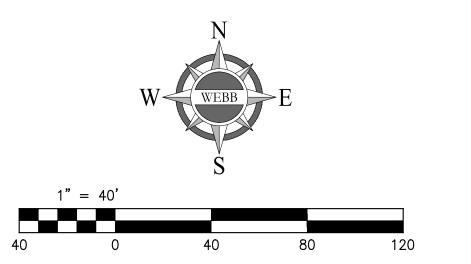




PORTABLE CHANGEABLE MESSAGE BOARD



OPEN TRENCHES SHALL BE BACKFILLED OR COVERED WITH STEEL PLATE DURING NON-WORKING HOURS.
STEEL PLATE LEFT OVERNIGHT IN LANES WITHOUT
K-RAIL PROTECTION SHALL BE RECESSED ON ALL
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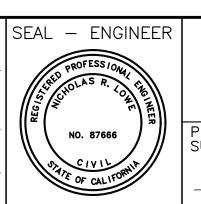
Underground Service Alert

Call: TOLL FREE

TWO WORKING DAYS BEFORE YOU DIG

NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER CITY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

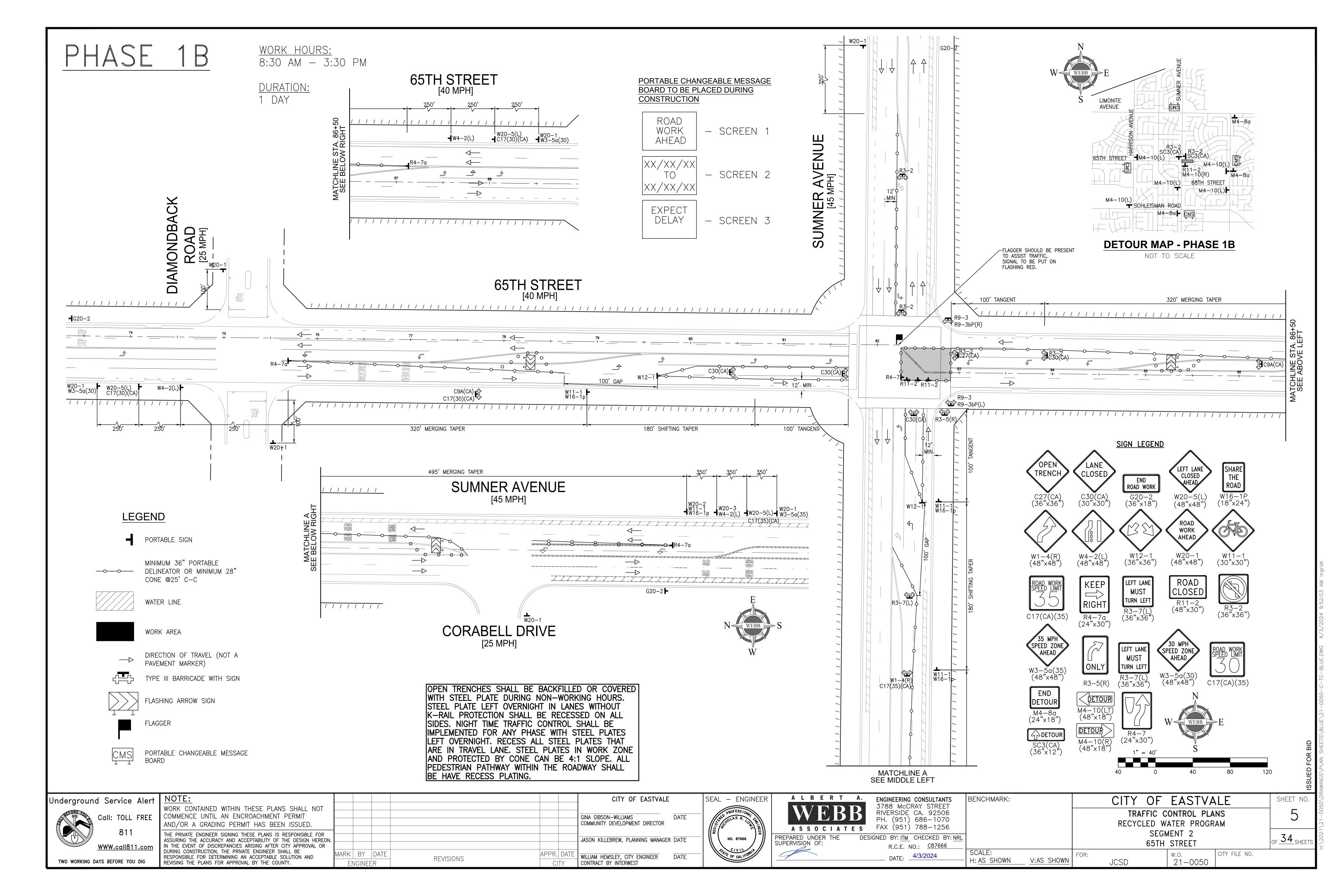
						CITY OF EASTVALE	
						GINA GIBSON-WILLIAMS	DATE
						COMMUNITY DEVELOPMENT DIRECTOR	272
4						JASON KILLEBREW, PLANNING MANAGER	DATE
4							
	BY	DATE	REVISIONS	APPR.	DATE	WILLIAM HEMSLEY, CITY ENGINEER	DATE
1	IGINEE	R	REVISIONS	CI	TY	CONTRACT BY INTERWEST	

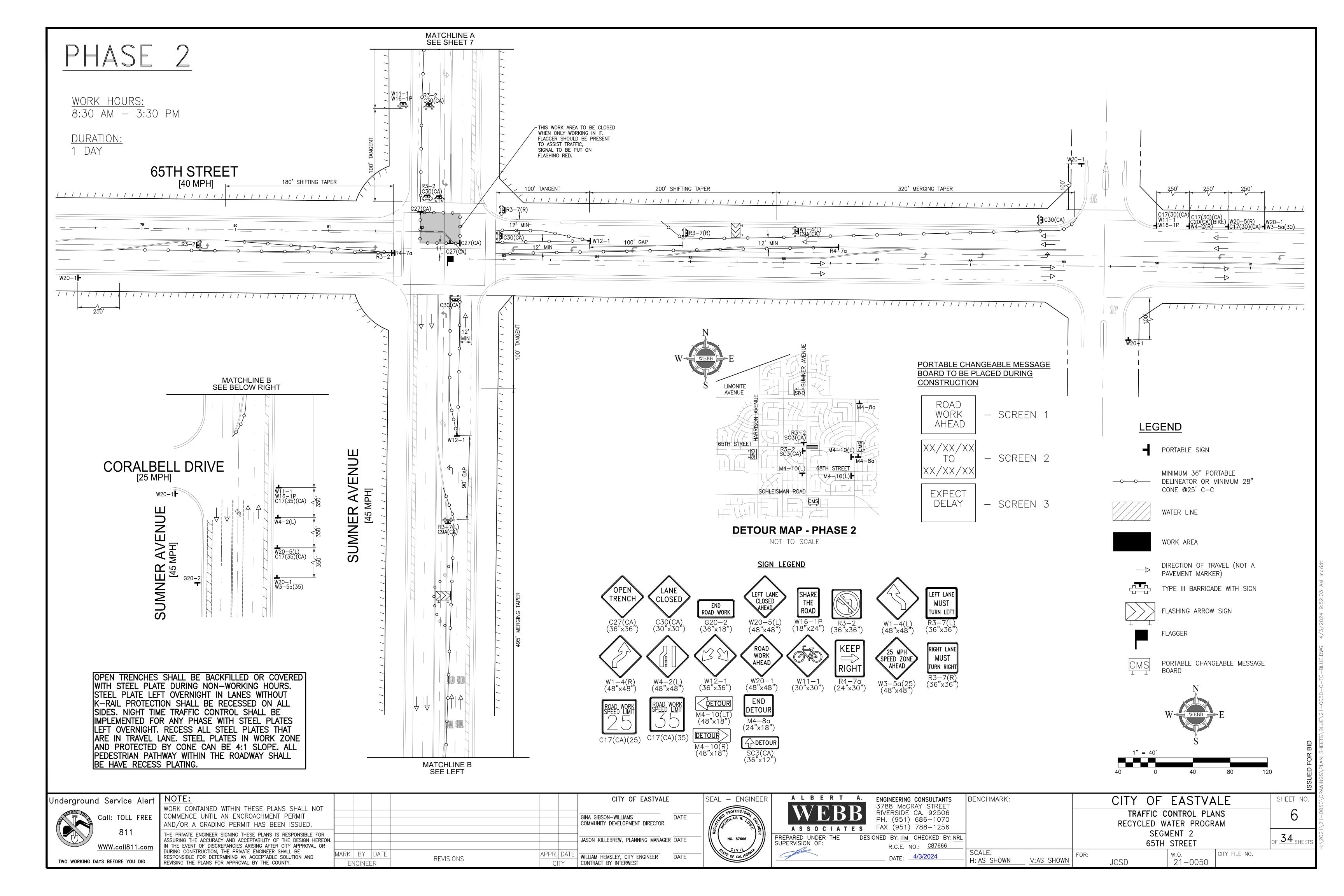


	L S	V	{	\			A.	ENGINEERING CONSULTANTS 3788 McCRAY STREET RIVERSIDE CA. 92506 PH. (951) 686-1070 FAX (951) 788-1256	
REP SUPE				TH	łΕ		DE	ESIGNED BY: <u>ITM</u> CHECKED BY: R.C.E. NO.: <u>C87666</u>	<u> </u>

DATE: <u>4/3/2024</u>

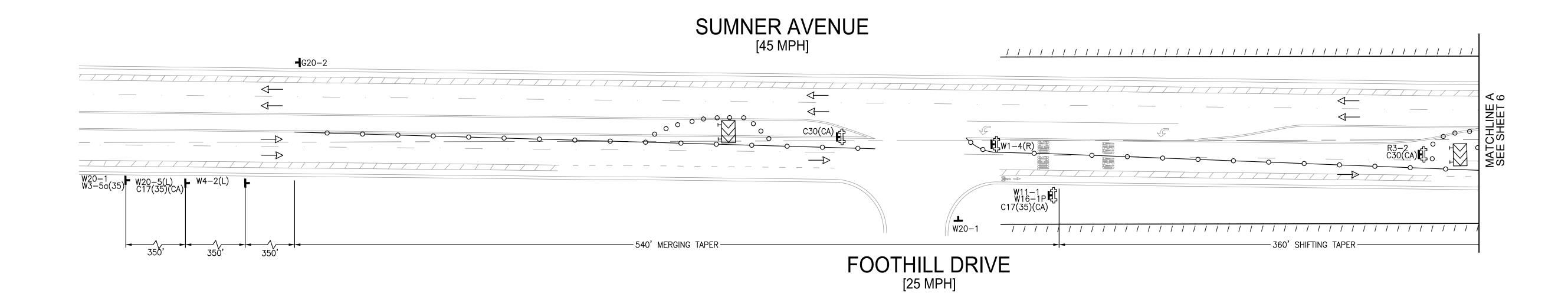
	BENCHMARK:	CITY OF	EASTVA	LE	SHEET N
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-	SCALE: H: AS SHOWN V:AS SHOWN	FOR: JCSD	w.o. 21-0050	CITY FILE NO.	





WORK HOURS: 8:30 AM - 3:30 PM

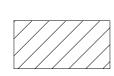
DURATION: 1 DAY



LEGEND

PORTABLE SIGN

MINIMUM 36" PORTABLE ——— DELINEATOR OR MINIMUM 28" CONE @25' C-C



WATER LINE

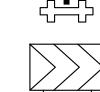


WORK AREA



DIRECTION OF TRAVEL (NOT A PAVEMENT MARKER)

TYPE III BARRICADE WITH SIGN



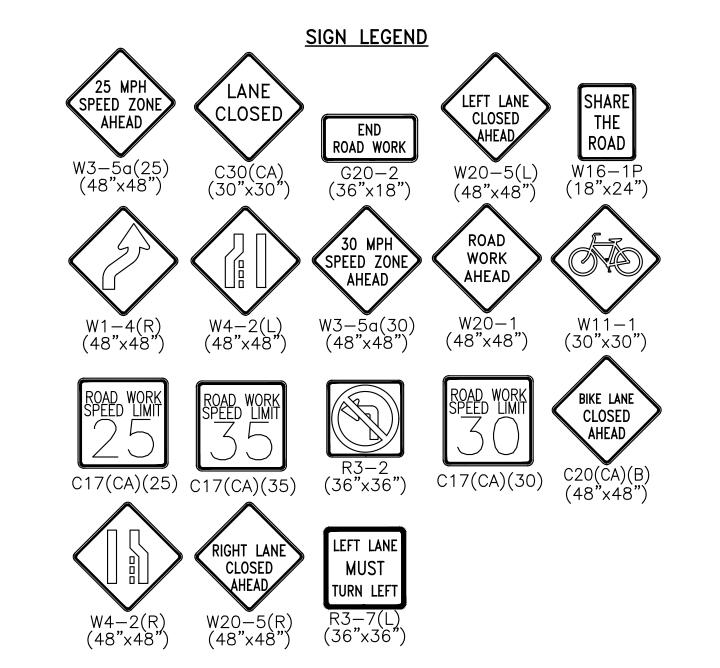
FLASHING ARROW SIGN

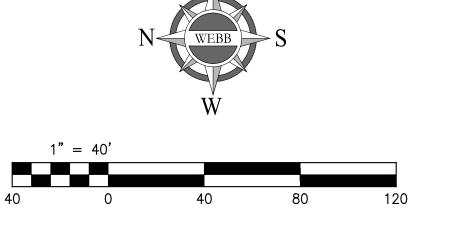




PORTABLE CHANGEABLE MESSAGE BOARD

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Underground Service Alert

TWO WORKING DAYS BEFORE YOU DIG



Call: TOLL FREE

WWW.call811.com

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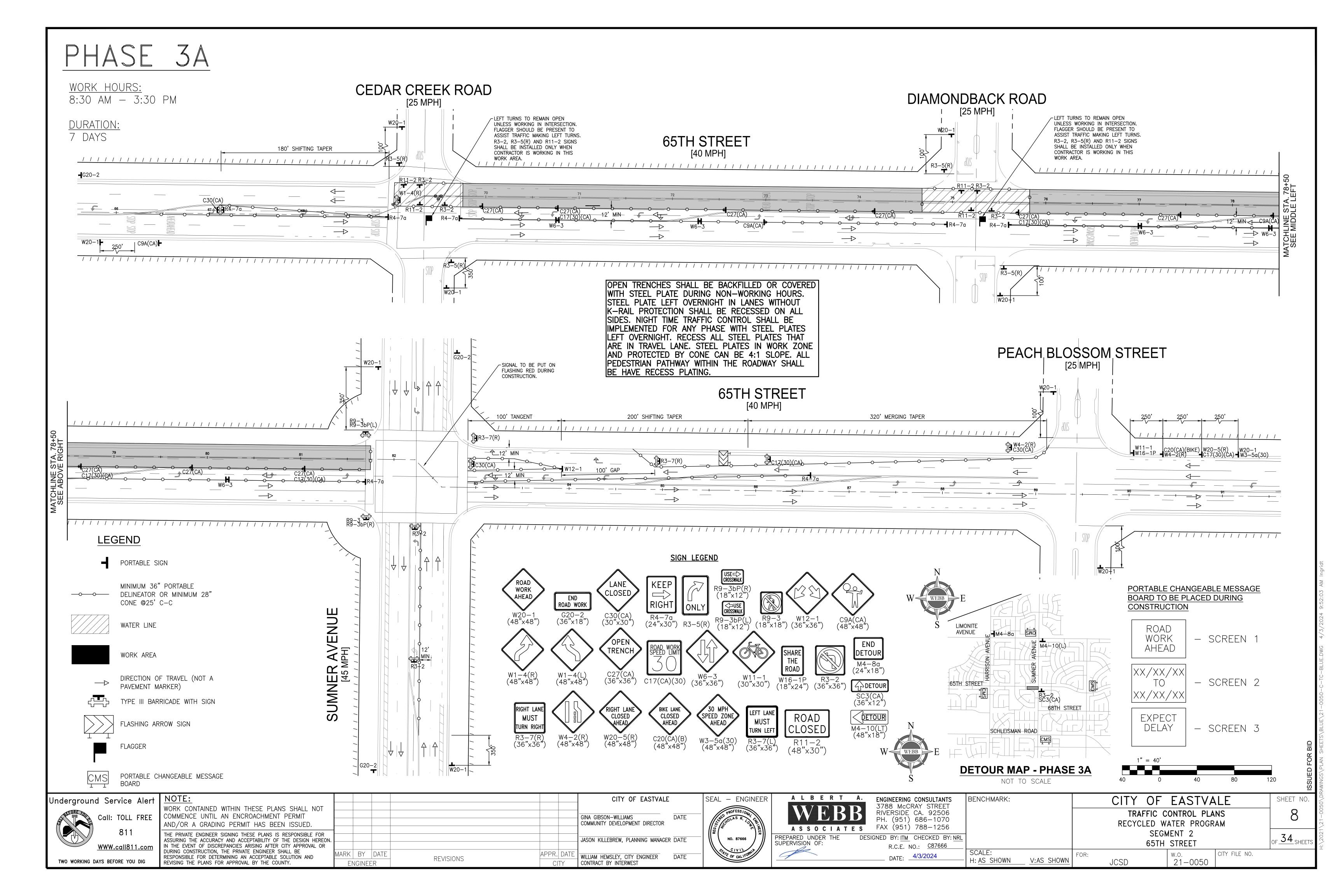
					CITY OF EASTVALE	
					GINA GIBSON-WILLIAMS	DATE
					COMMUNITY DEVELOPMENT DIRECTOR	
					JASON KILLEBREW, PLANNING MANAGER	DATE
BY	DATE	REVISIONS	APPR.	DATE	WILLIAM HEMSLEY, CITY ENGINEER	DATE
IGINEE	ĪR	KEVISIONS	CI	TY	CONTRACT BY INTERWEST	

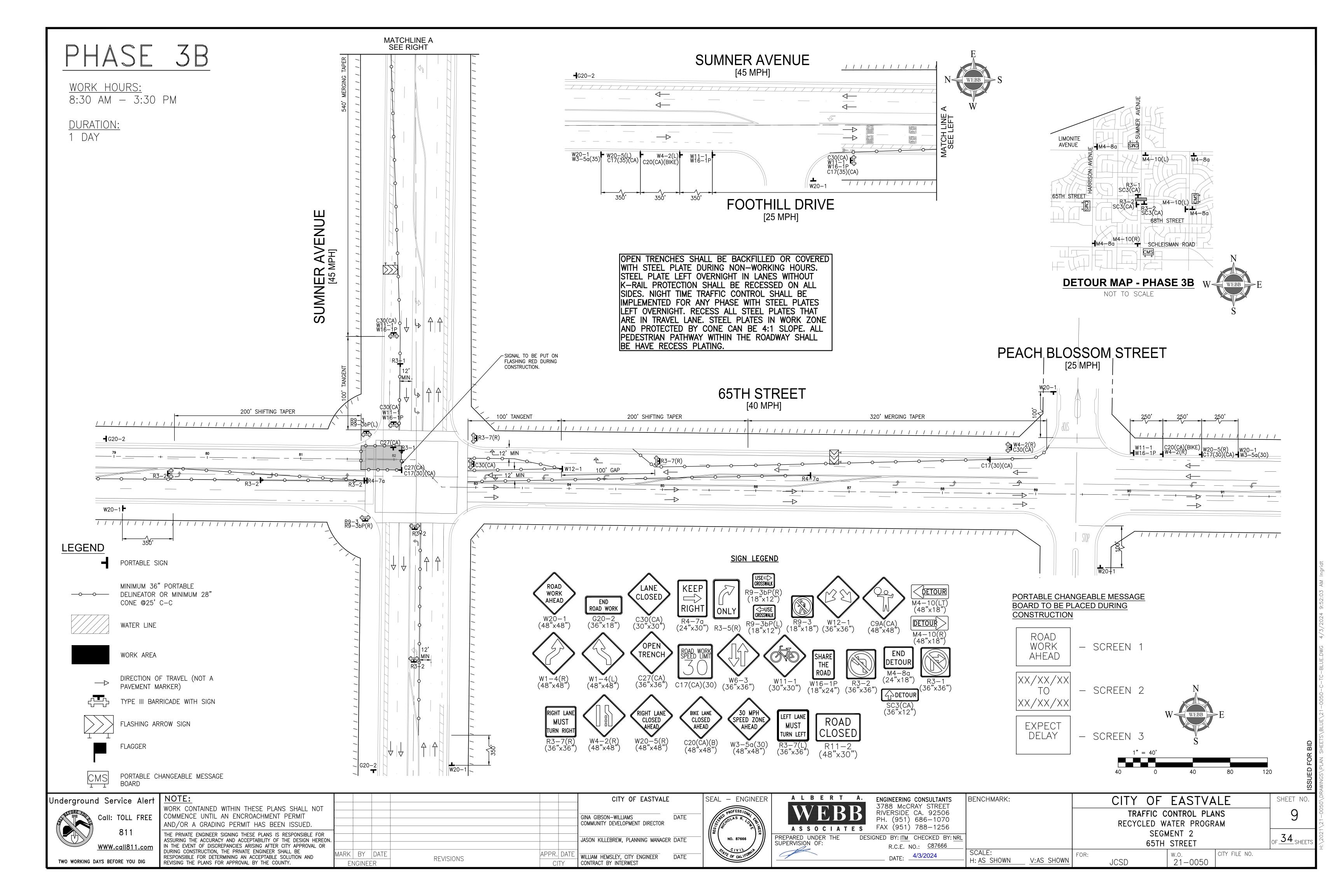
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PROFESSIONAL CHRONINEER PROPERTY OF THE PROPER	
NO. 87666	PRE SUF
OF CALIFORNIA	

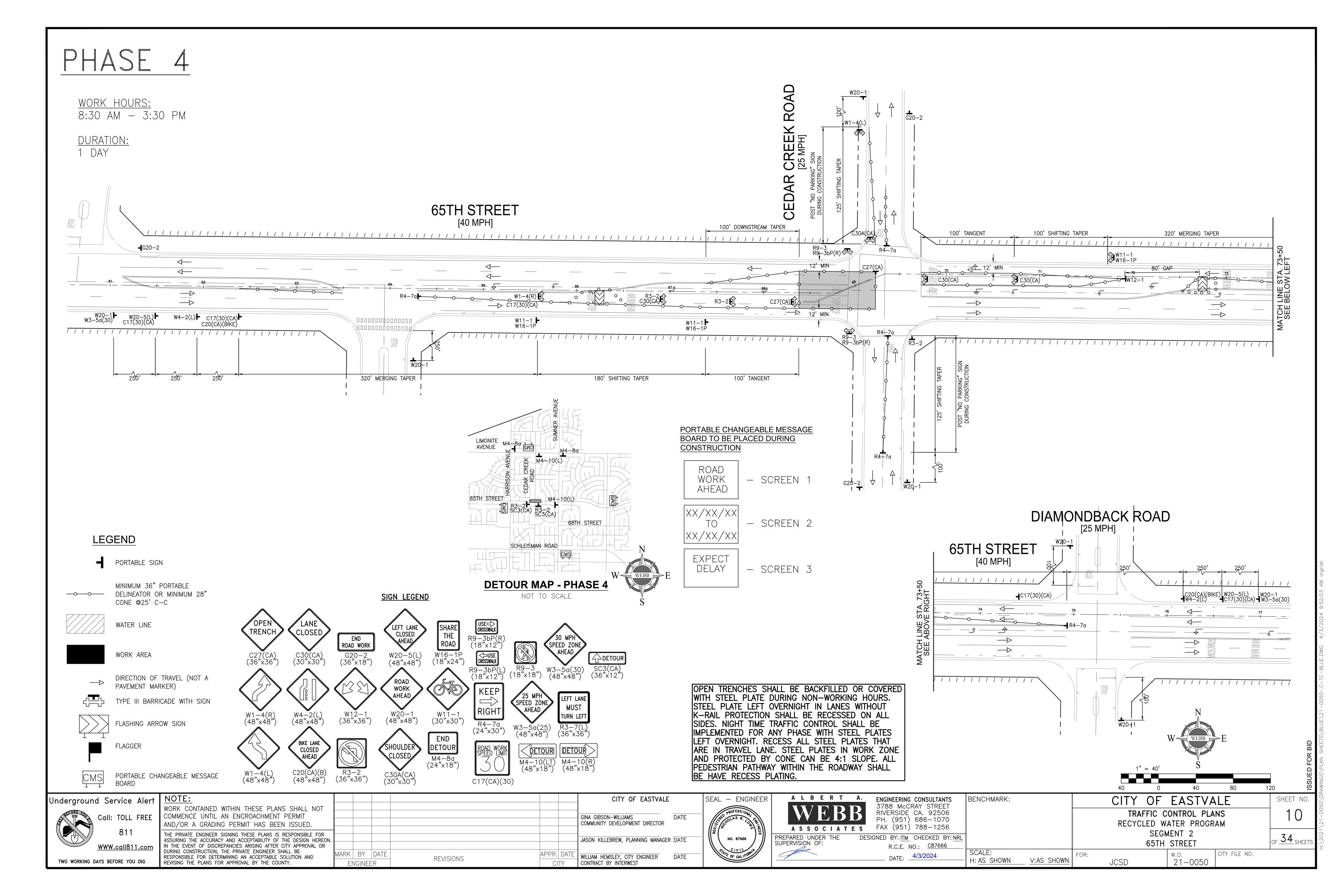
A L B E R T A S S O C I A	BB 37	GINEERING CONSULTANTS 188 McCRAY STREET VERSIDE CA. 92506 H. (951) 686-1070 X (951) 788-1256
EPARED UNDER THE PERVISION OF:	DESIGNE	D BY: ITM CHECKED BY: NR
- LIVISION OI.		D O E NO. C87666

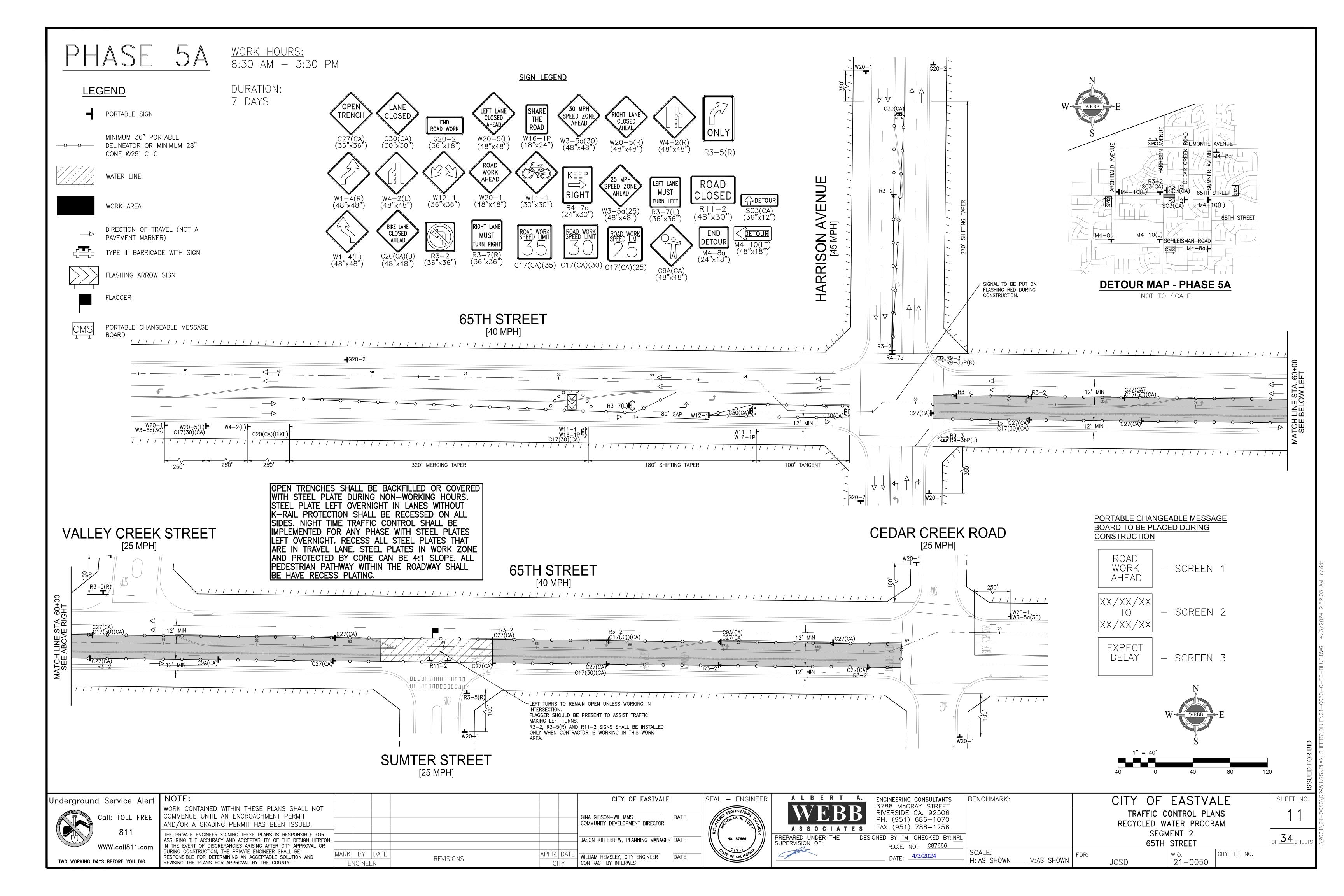
E	RIVERSIDE CA. 92506 PH. (951) 686-1070 FAX (951) 788-1256	
	DESIGNED BY: ITM CHECKED BY: NRL	
	R.C.E. NO.: <u>C87666</u>	
	DATE: 4/3/2024	SC
	DAIE: _ -73/2024	H:

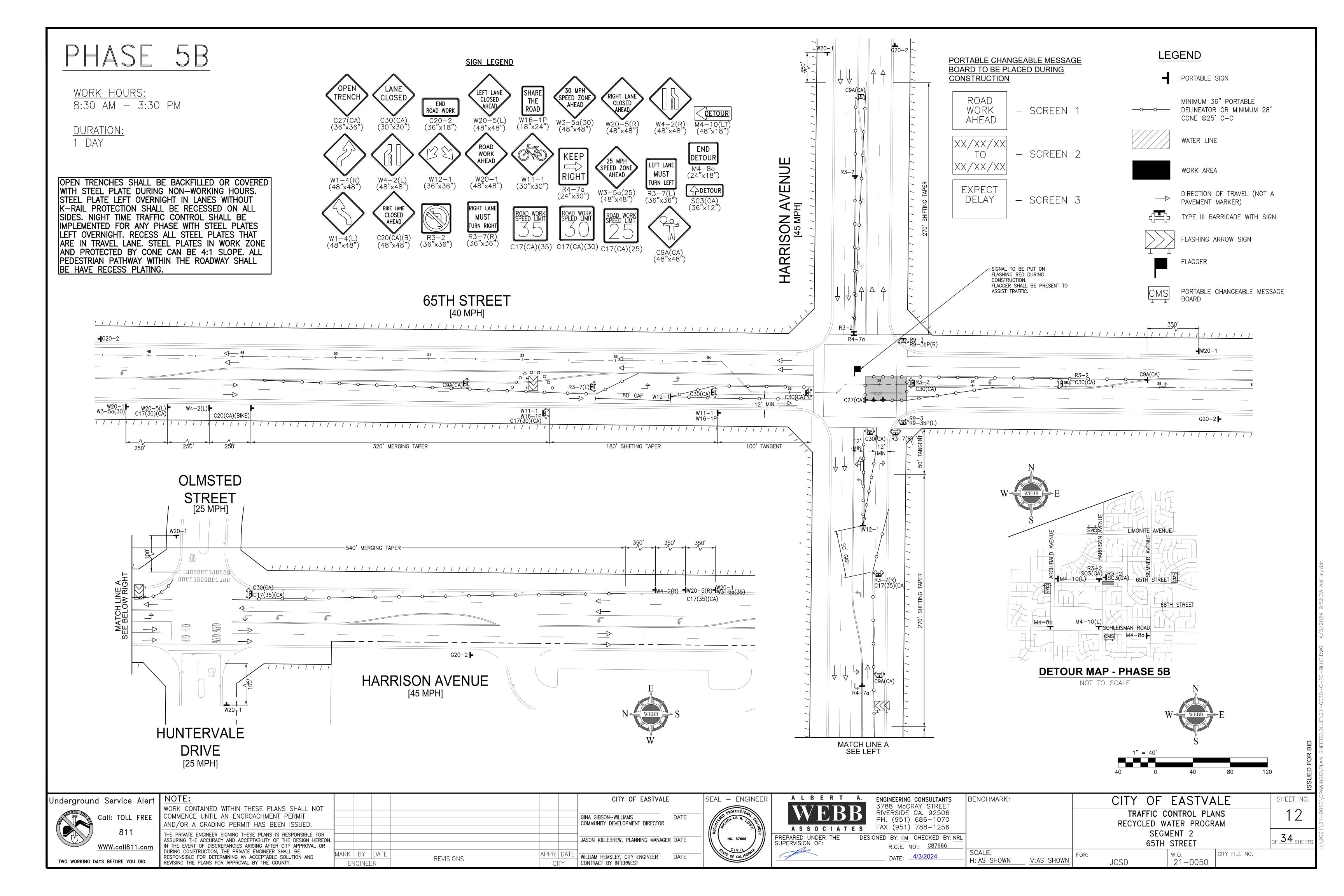
						_	
BENCHMARK:			CITY OF EASTVALE				
			TRAFFIC C RECYCLED W	ONTROL PLA ATER PROGR		7	
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SCALE: H: AS SHOWN	V:AS SHOWN	FOR:	JCSD	w.o. 21-0050	CITY FILE NO.		

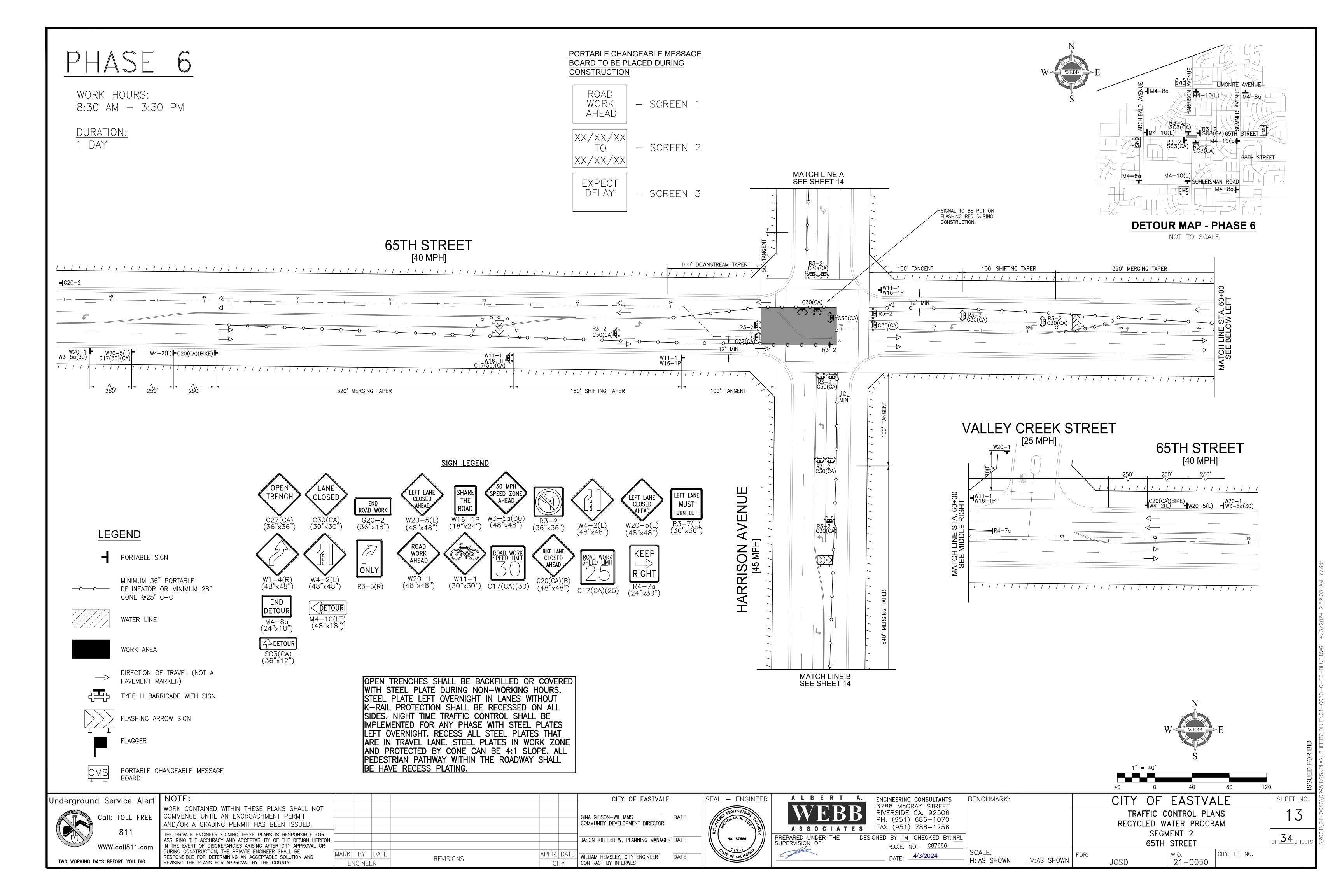










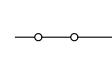


WORK HOURS: 8:30 AM - 3:30 PM

DURATION: 1 DAY

LEGEND

PORTABLE SIGN



MINIMUM 36" PORTABLE —o—o— DELINEATOR OR MINIMUM 28" CONE @25' C-C



WATER LINE



WORK AREA



PAVEMENT MARKER) TYPE III BARRICADE WITH SIGN

DIRECTION OF TRAVEL (NOT A

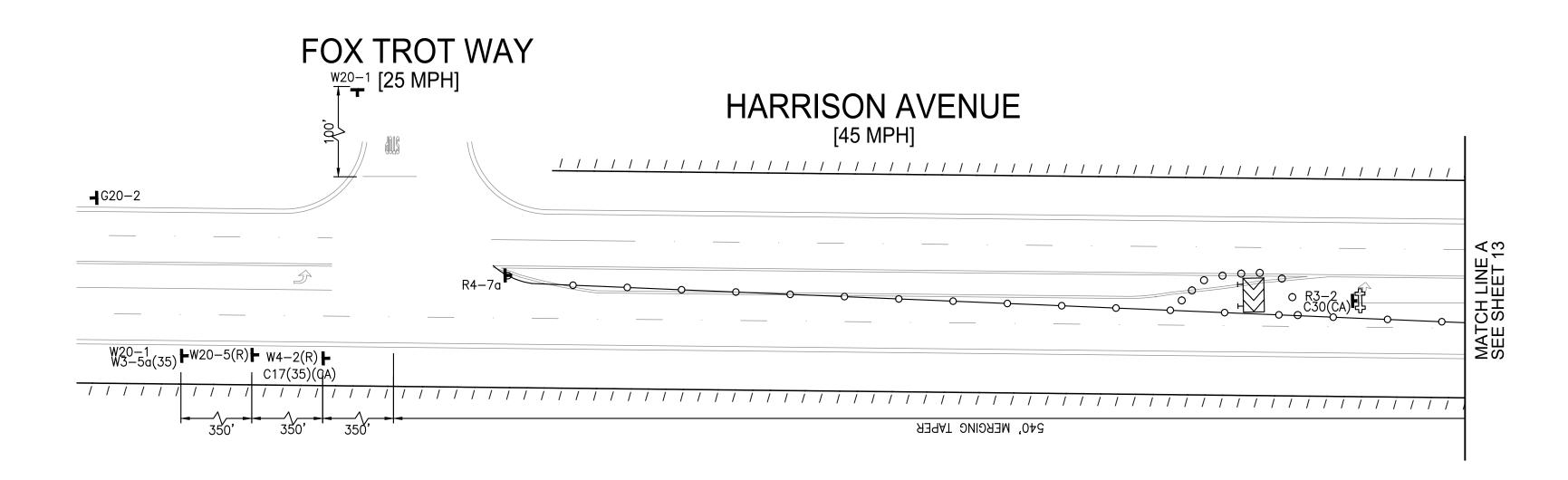


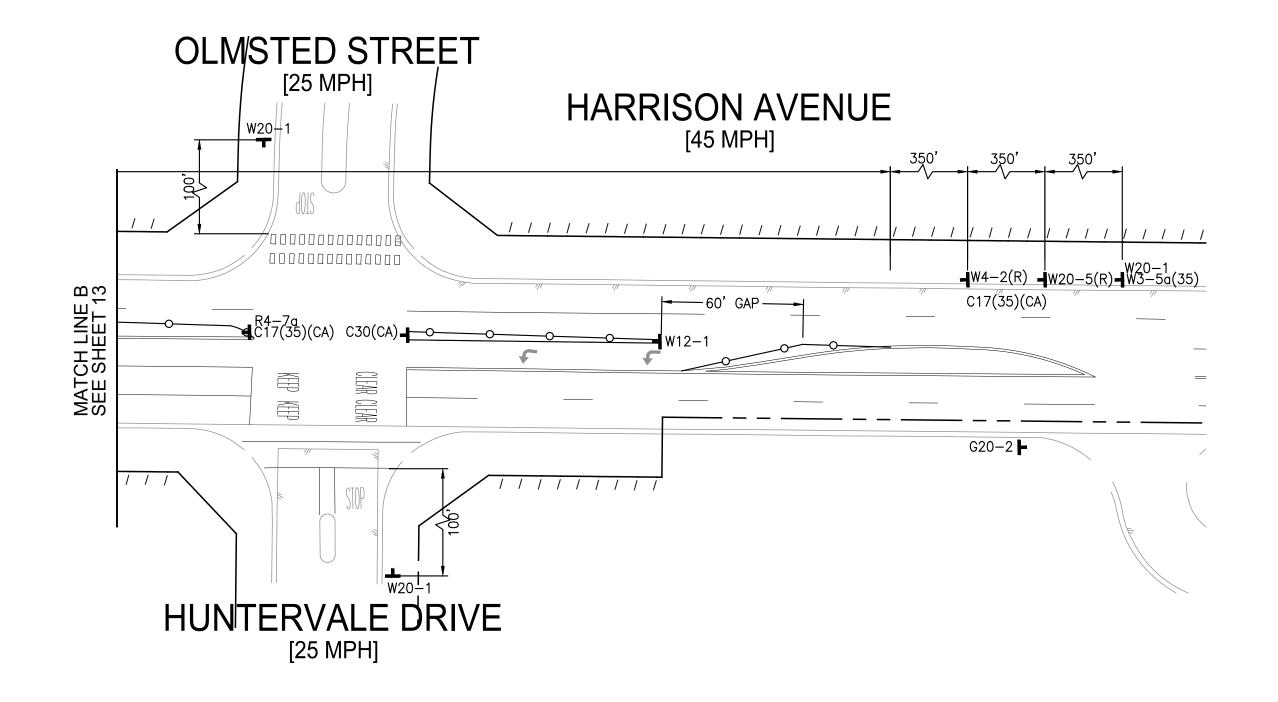
FLASHING ARROW SIGN





PORTABLE CHANGEABLE MESSAGE

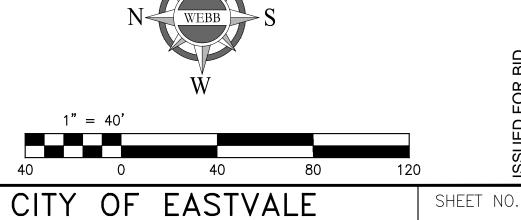




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END ROAD WORK RIGHT SPEŁD LIMII SPEŁD LIMI ROAD WORK W20-1 (48"x48")

SIGN LEGEND



CITY FILE NO.

14

OF 34 SHEET

Underground Service Alert NOTE:

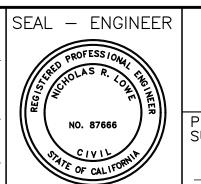
Call: TOLL FREE

WWW.call811.com

TWO WORKING DAYS BEFORE YOU DIG

11012.
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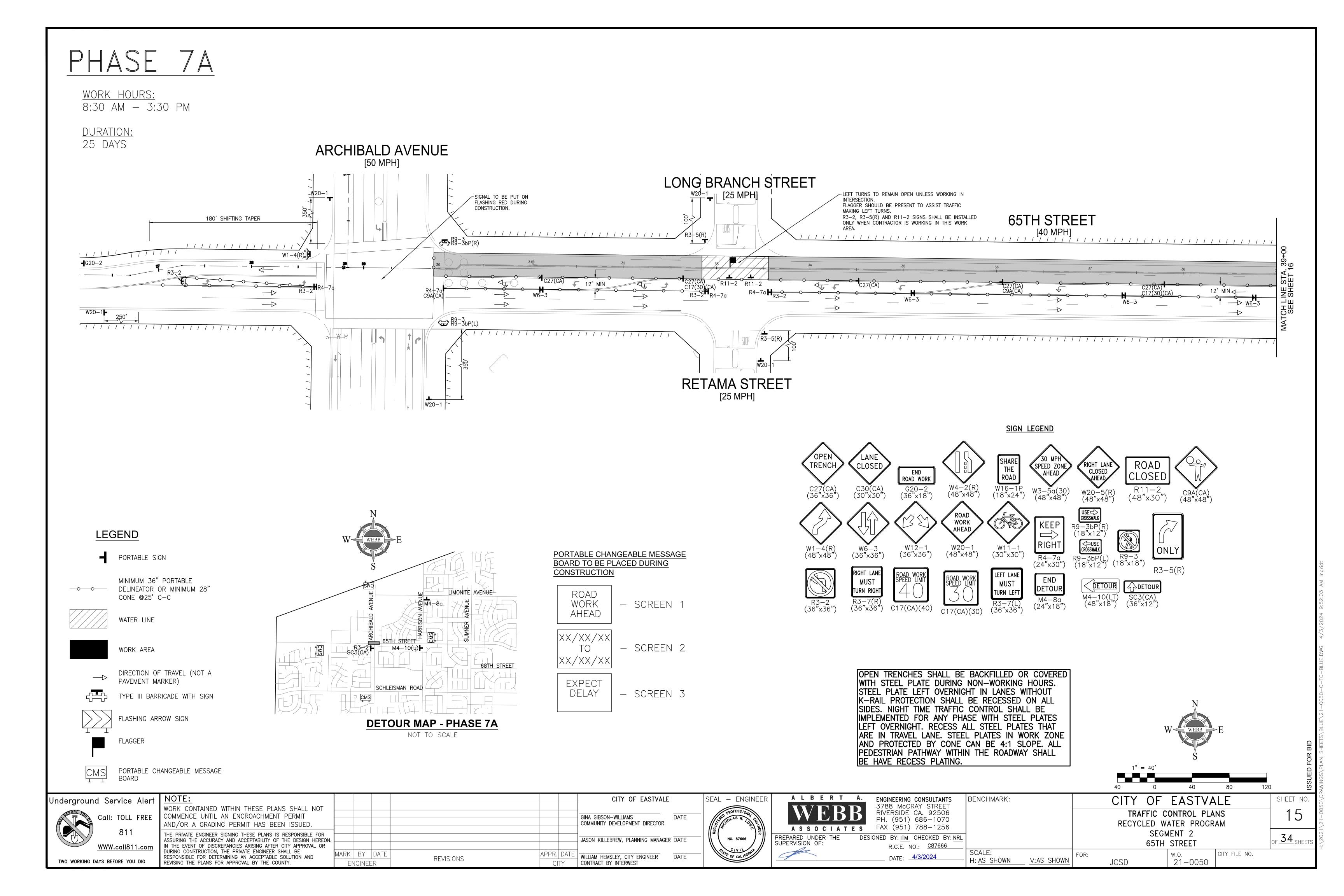
						CITY OF EASTVALE	Ţ
						GINA GIBSON-WILLIAMS DATE COMMUNITY DEVELOPMENT DIRECTOR	
						COMMONITY DEVELOT MENT DIRECTOR	
						JASON KILLEBREW, PLANNING MANAGER DATE	
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<	BY	DATE	DEVICIONS	APPR.	DATE	WILLIAM HEMSLEY, CITY ENGINEER DATE	
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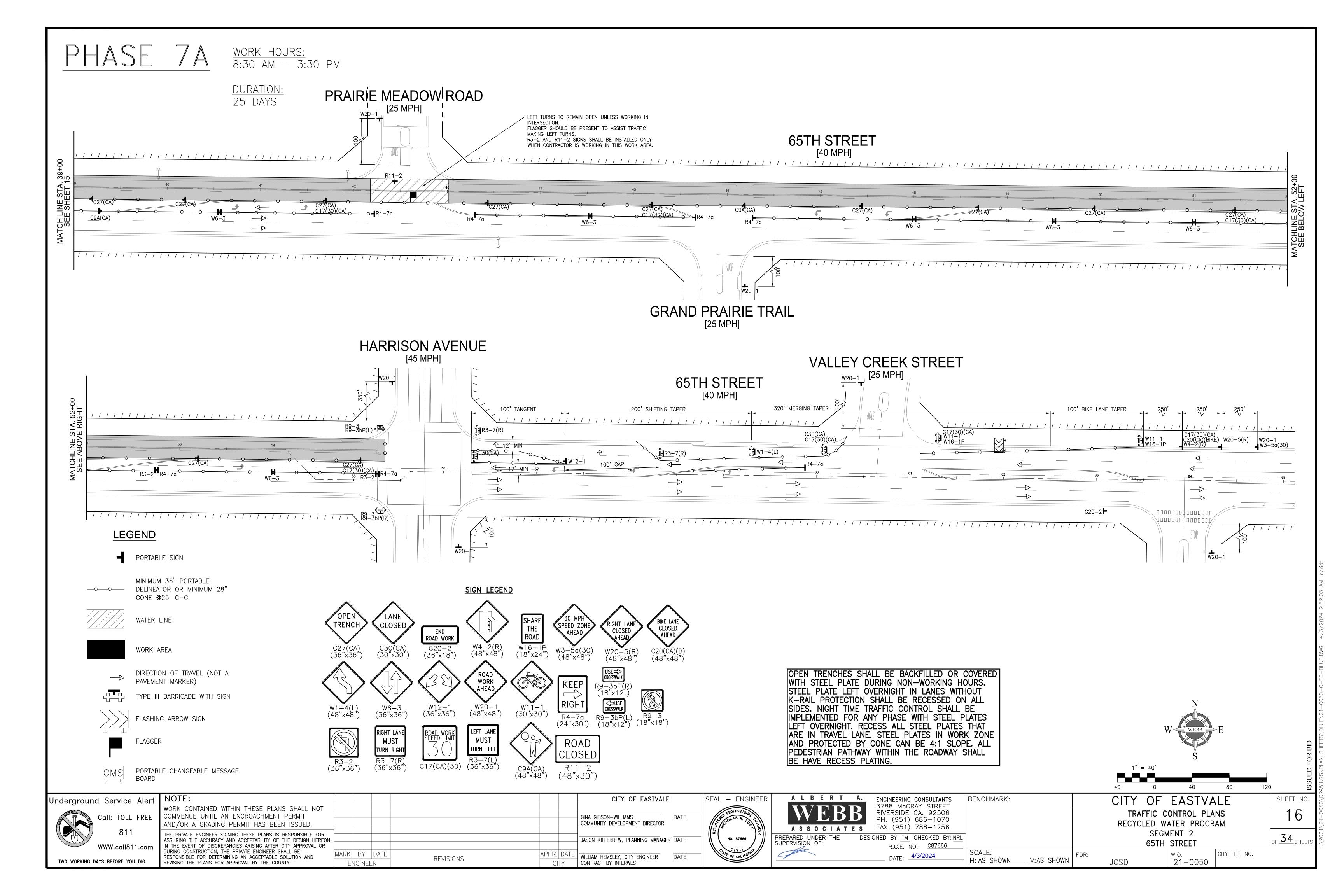


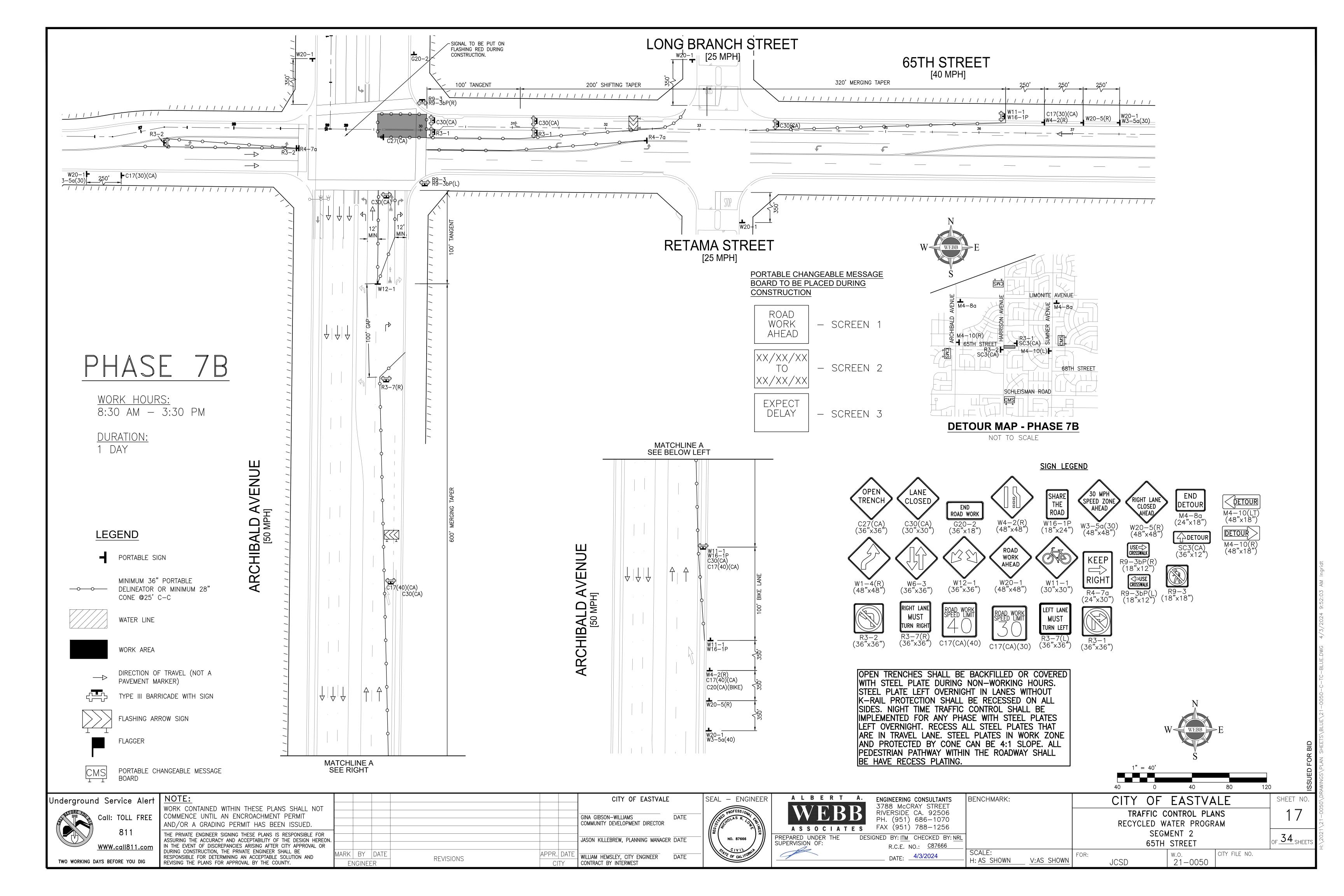
A L B E R T A S S O C I A T E	T11. (351) 000 1070
EPARED UNDER THE PERVISION OF:	DESIGNED BY: ITM CHECKED BY: NR R.C.E. NO.: C87666

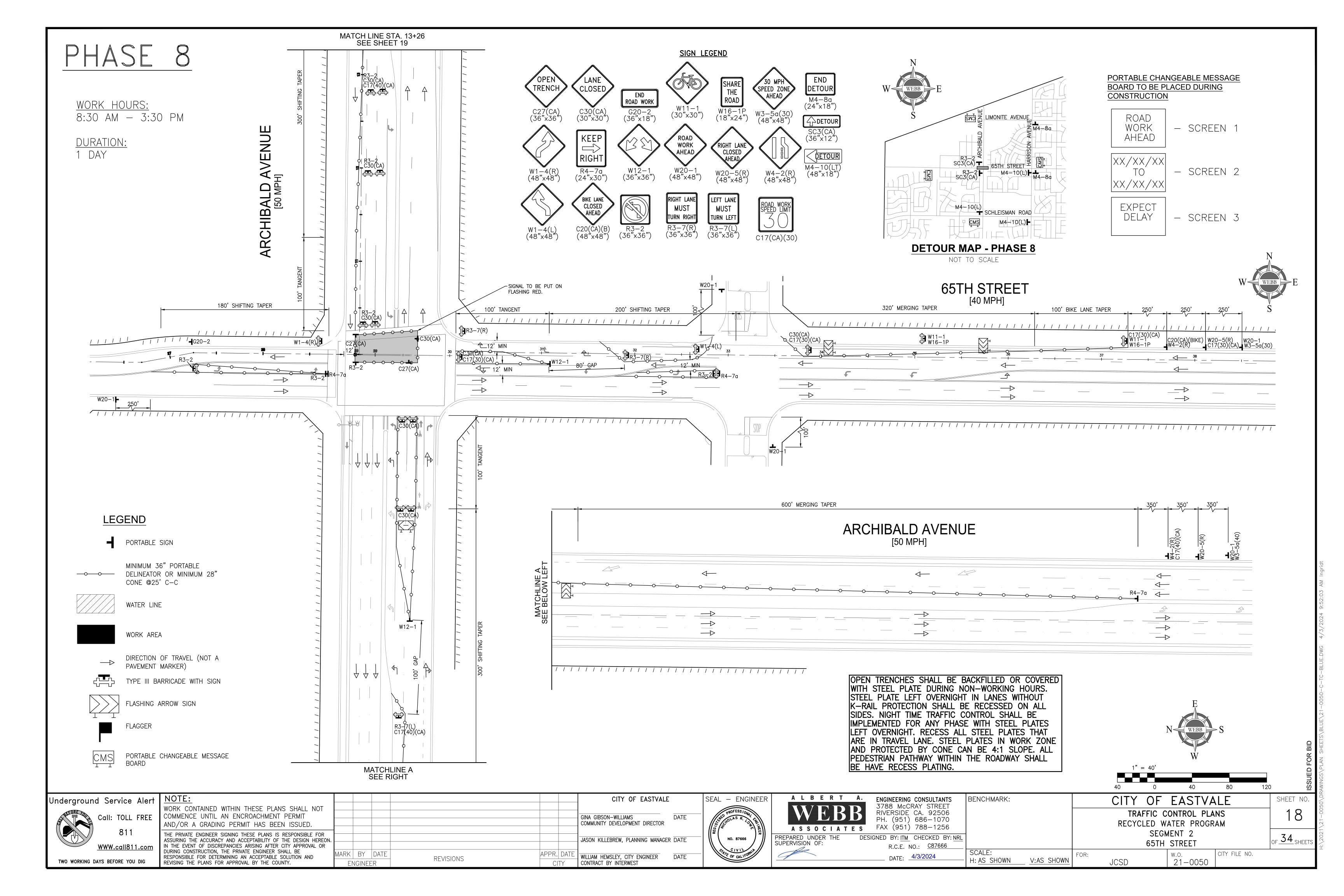
DATE: <u>4/3/202</u>4

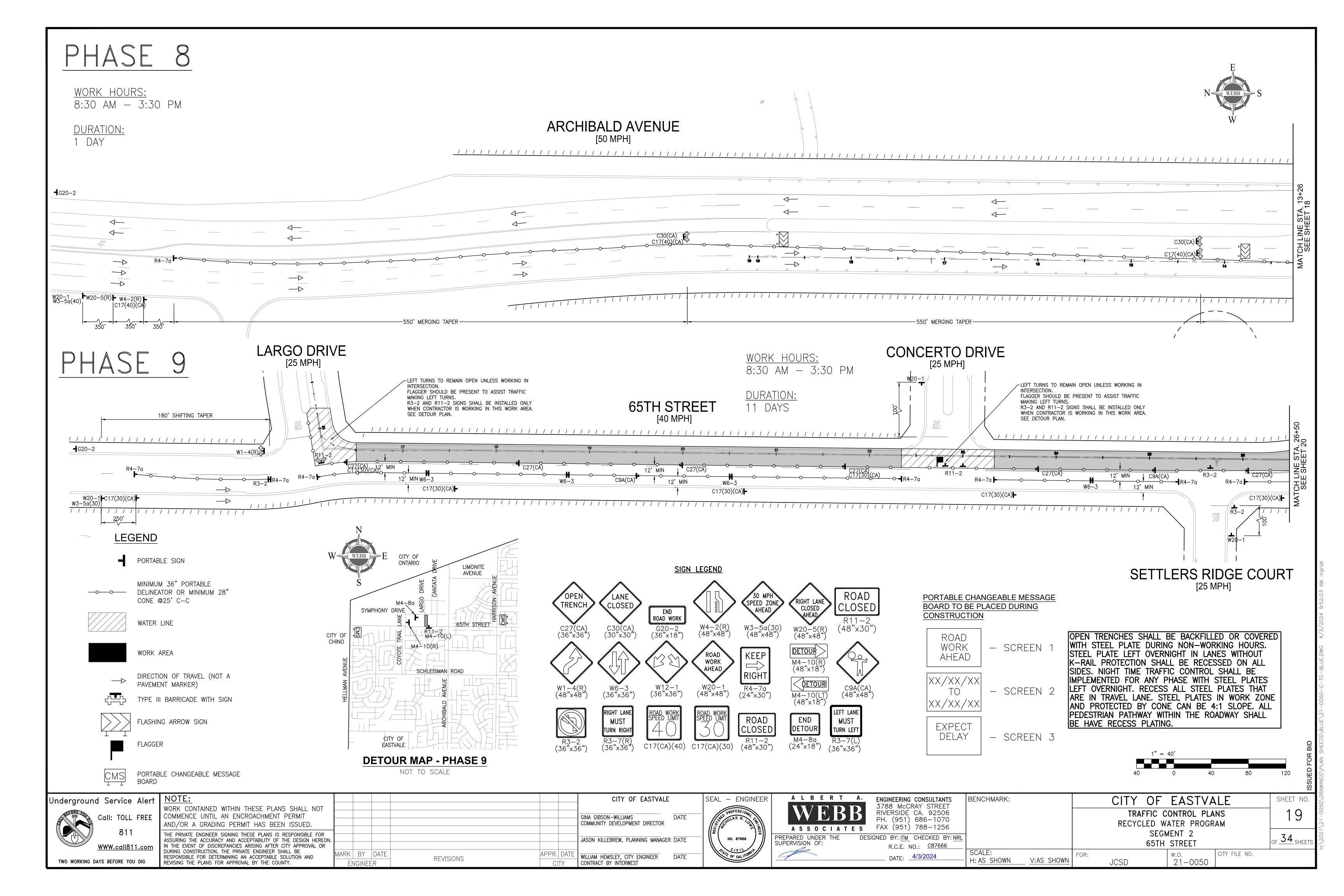
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BENCHMARK:		CITY	OF	EASTVA	LE
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		RECYC	LED W	ATER PROGR	AM
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			65TH	STREET	
SCALE:	FOR:			W.O.	CITY
H: AS SHOWN V:AS SHOWN		JCSD		21-0050	

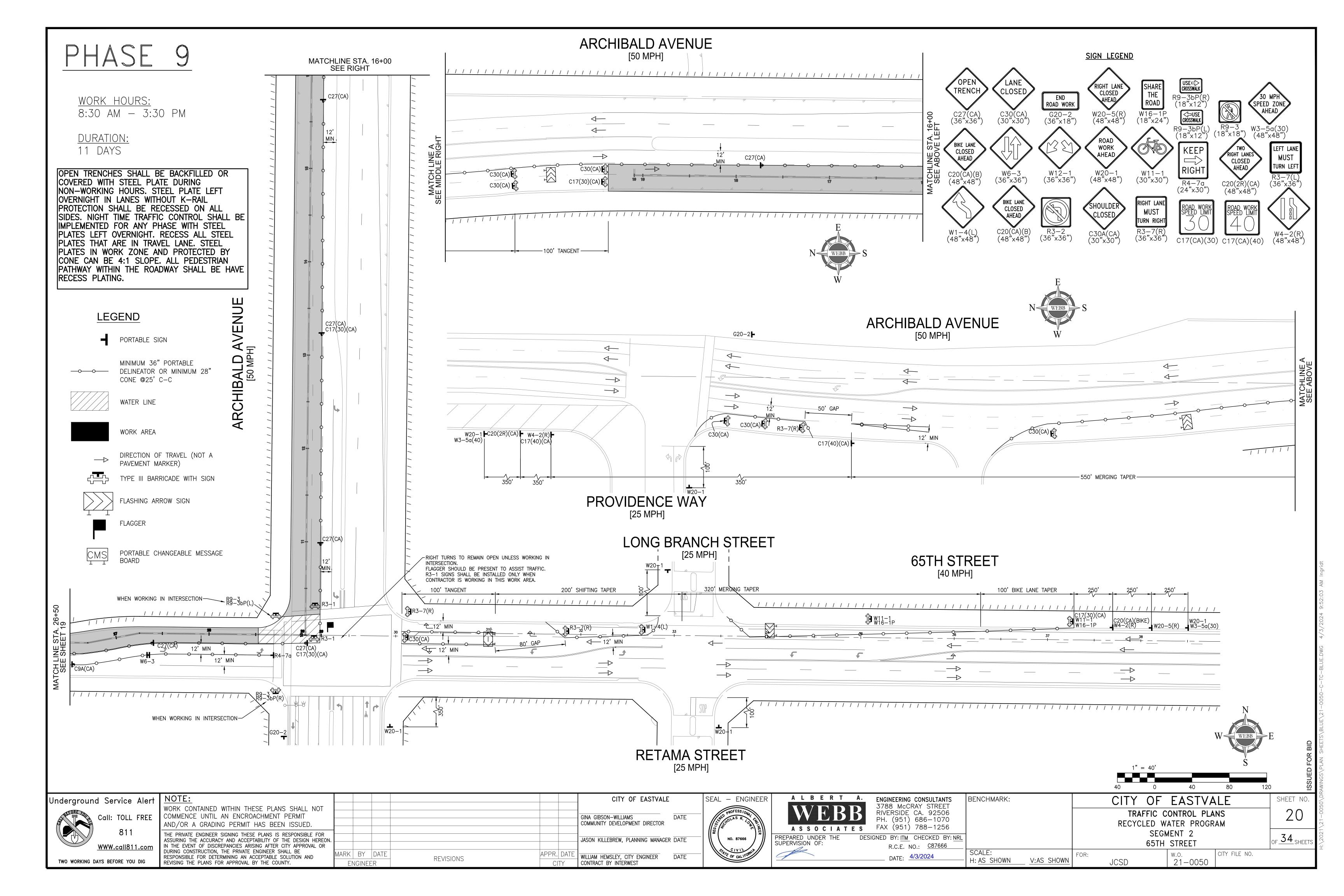


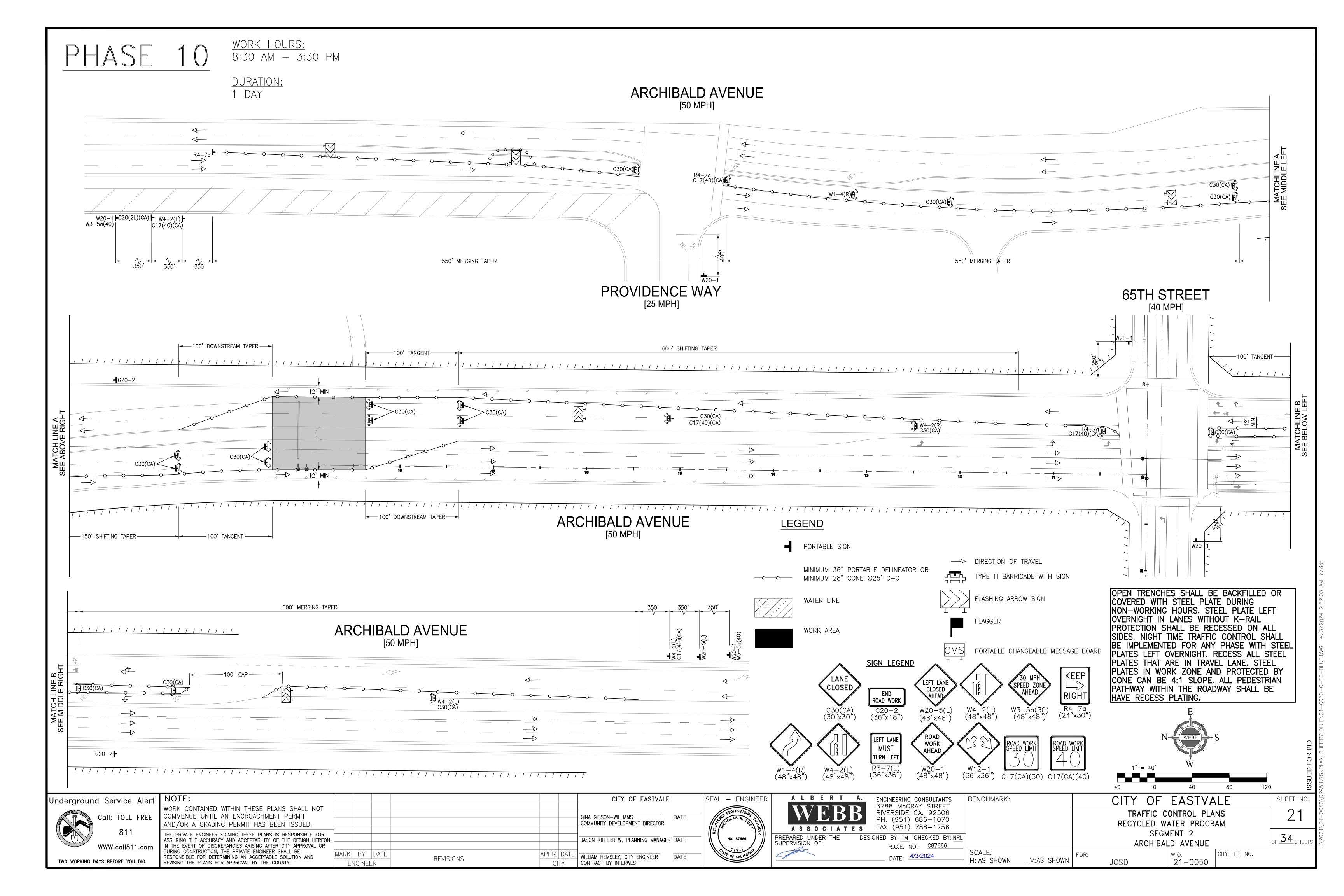


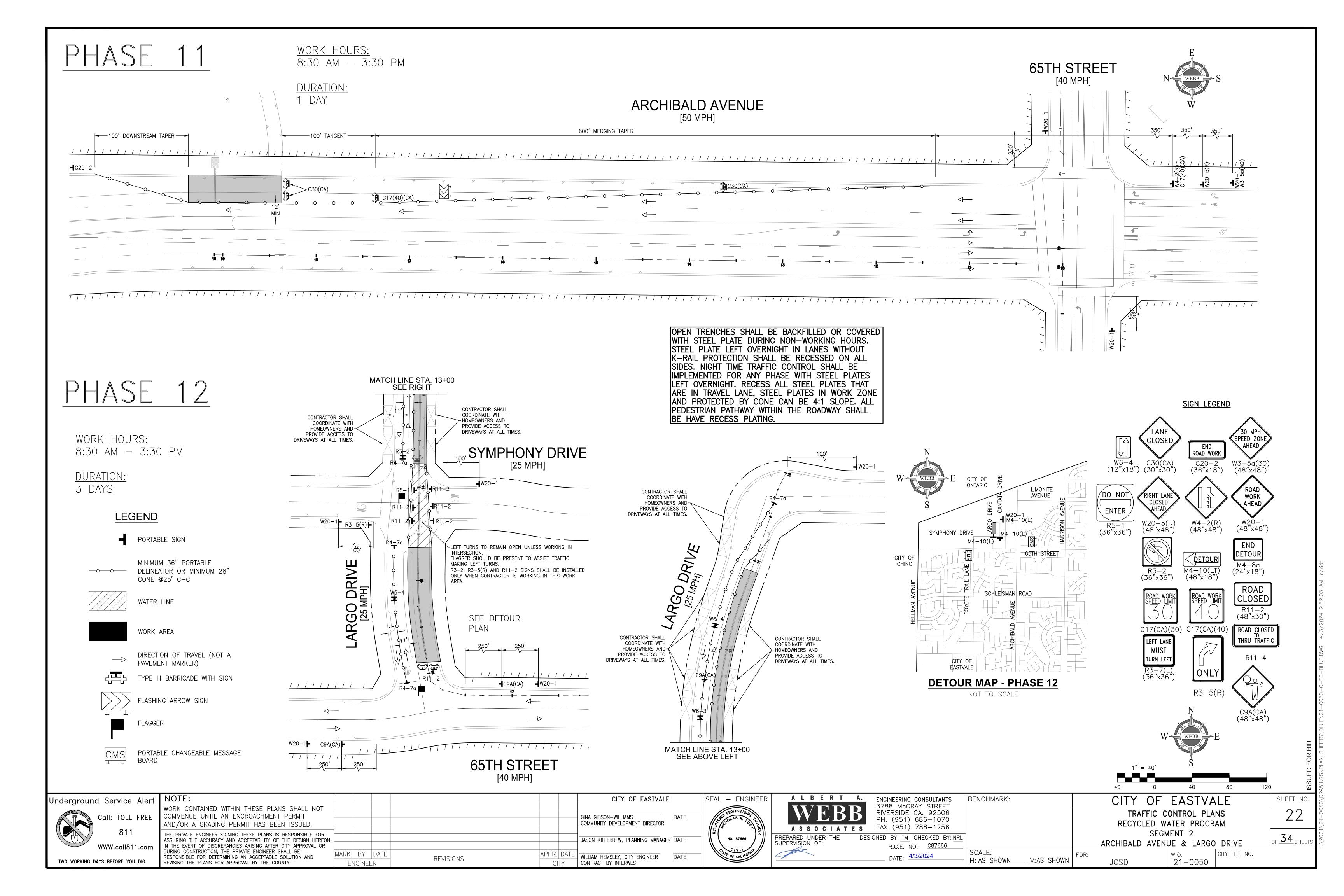












WORK HOURS: 8:30 AM - 3:30 PM

DURATION: 1 DAY

LEGEND

PORTABLE SIGN

MINIMUM 36" PORTABLE —o—o— DELINEATOR OR MINIMUM 28" CONE @25' C-C

WATER LINE



WORK AREA



DIRECTION OF TRAVEL (NOT A PAVEMENT MARKER)

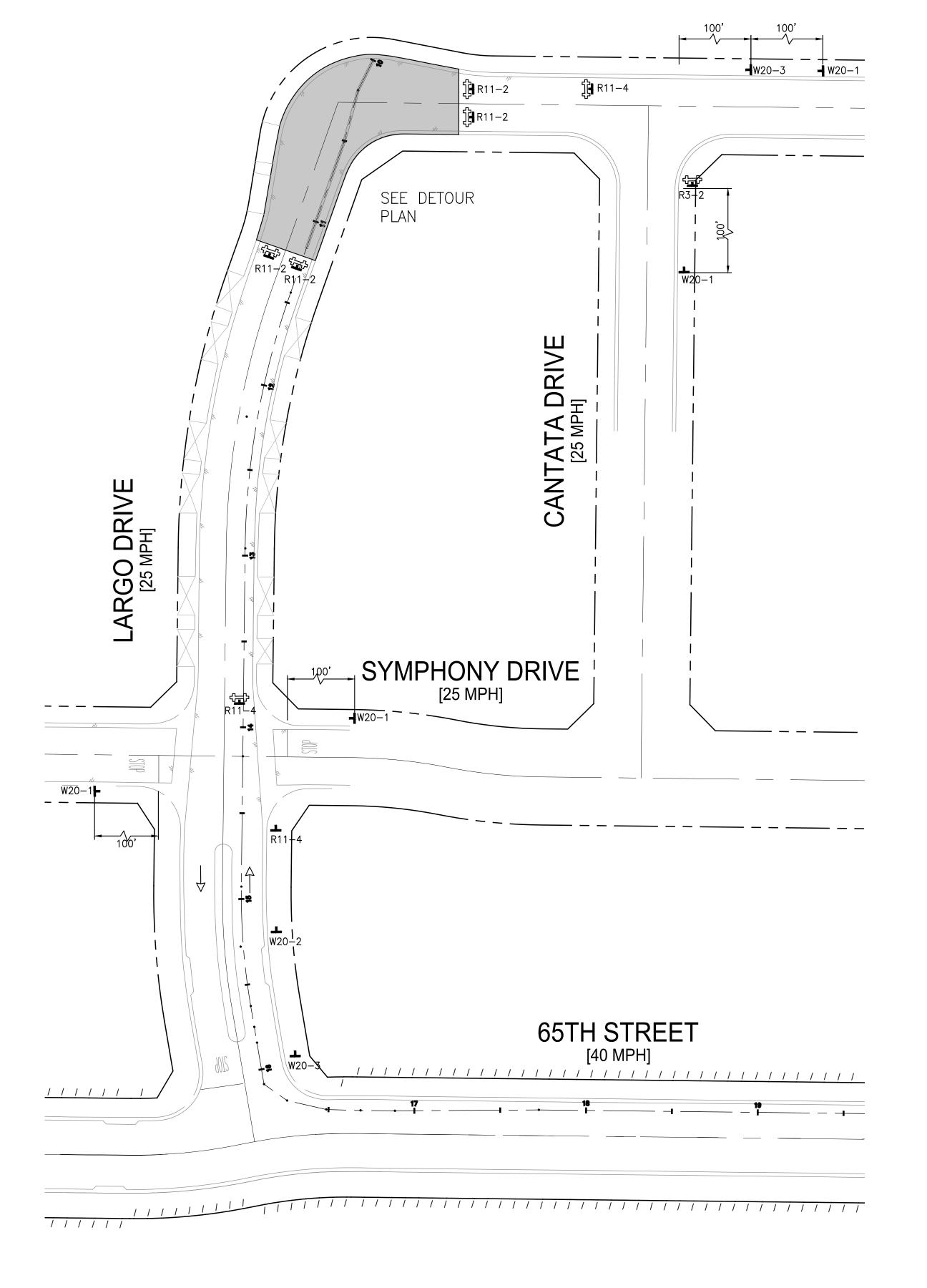
TYPE III BARRICADE WITH SIGN

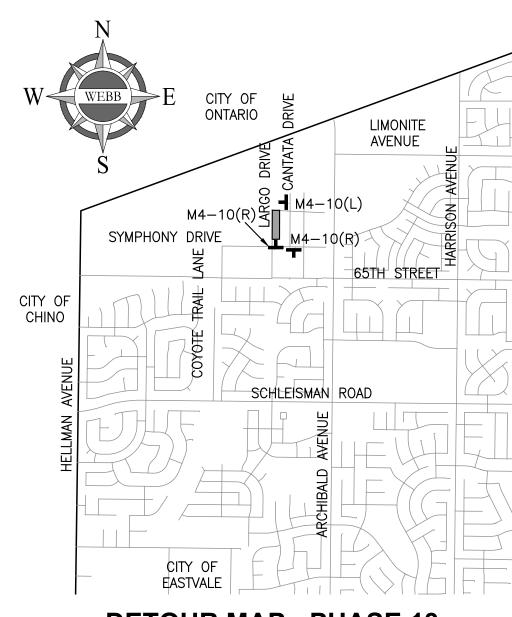


FLASHING ARROW SIGN



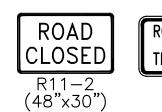
PORTABLE CHANGEABLE MESSAGE BOARD





DETOUR MAP - PHASE 13 NOT TO SCALE

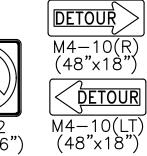
SIGN LEGEND

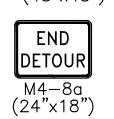


THRU TRAFFIC









W20-2 (48"x48") CLOSED AHEAD W20-3 (48"x48")

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W.O.

21-0050

OF 34 SHEET

CITY FILE NO.

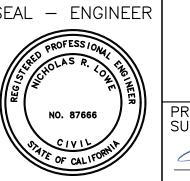
Underground	Service	Alert		
ORE				



WWW.call811.com TWO WORKING DAYS BEFORE YOU DIG

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						CITY OF EASTVALE	SEA
						GINA GIBSON-WILLIAMS DATE COMMUNITY DEVELOPMENT DIRECTOR	
						Sommonin Berees men Bines on	REG/S
						JASON KILLEBREW, PLANNING MANAGER DATE	_
ARK	BY	DATE	REVISIONS	APPR.	DATE	WILLIAM HEMSLEY, CITY ENGINEER DATE	- `
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RIVERSIDE CA. 92506 PH. (951) 686-1070 FAX (951) 788-1256	BENCH
DESIGNED BY: ITM CHECKED BY: NRL	

RIVERSIDE CA. 92506 PH. (951) 686-1070 FAX (951) 788-1256	
GNED BY: ITM CHECKED BY: NRL	
R.C.E. NO.: <u>C87666</u>	
DATE: <u>4/3/2024</u>	SCALE: H: <u>AS SHOWN</u>

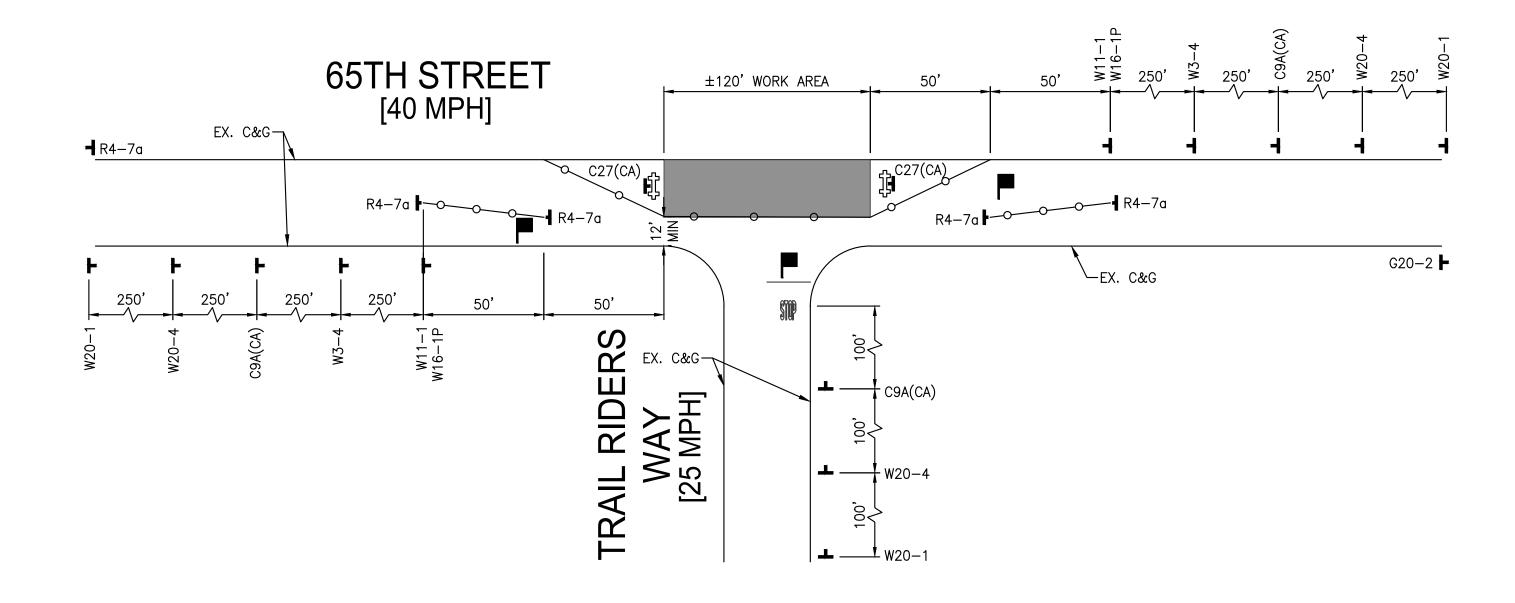
HMARK:	CITY OF EASTVA
	TRAFFIC CONTROL PLAN
	RECYCLED WATER PROGRA
	SEGMENT 2
	LARGO DRIVE

_ <u>V:AS S</u>HOWN

TYPICAL FLAGGING OPERATION TO BE USED FOR STA. 25+30 - STA. 26+00

<u>WORK HOURS:</u> 8:30 AM - 3:30 PM

DURATION:
1 DAY



LEGEND

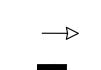
PORTABLE SIGN



WATER LINE



WORK AREA



> DIRECTION OF TRAVEL (NOT A PAVEMENT MARKER)

> TYPE III BARRICADE WITH SIGN

FLASHING ARROW SIGN

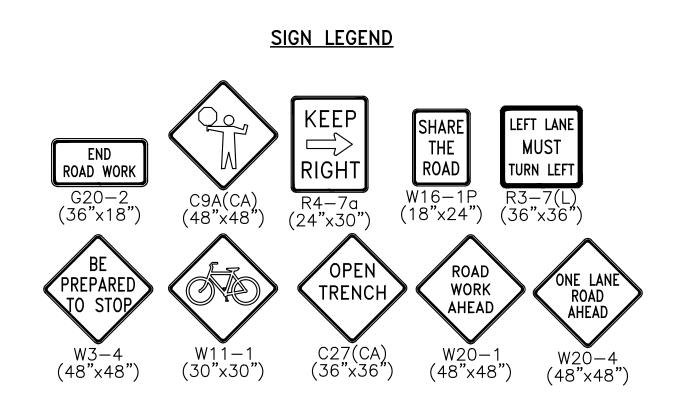


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PORTABLE CHANGEABLE MESSAGE BOARD

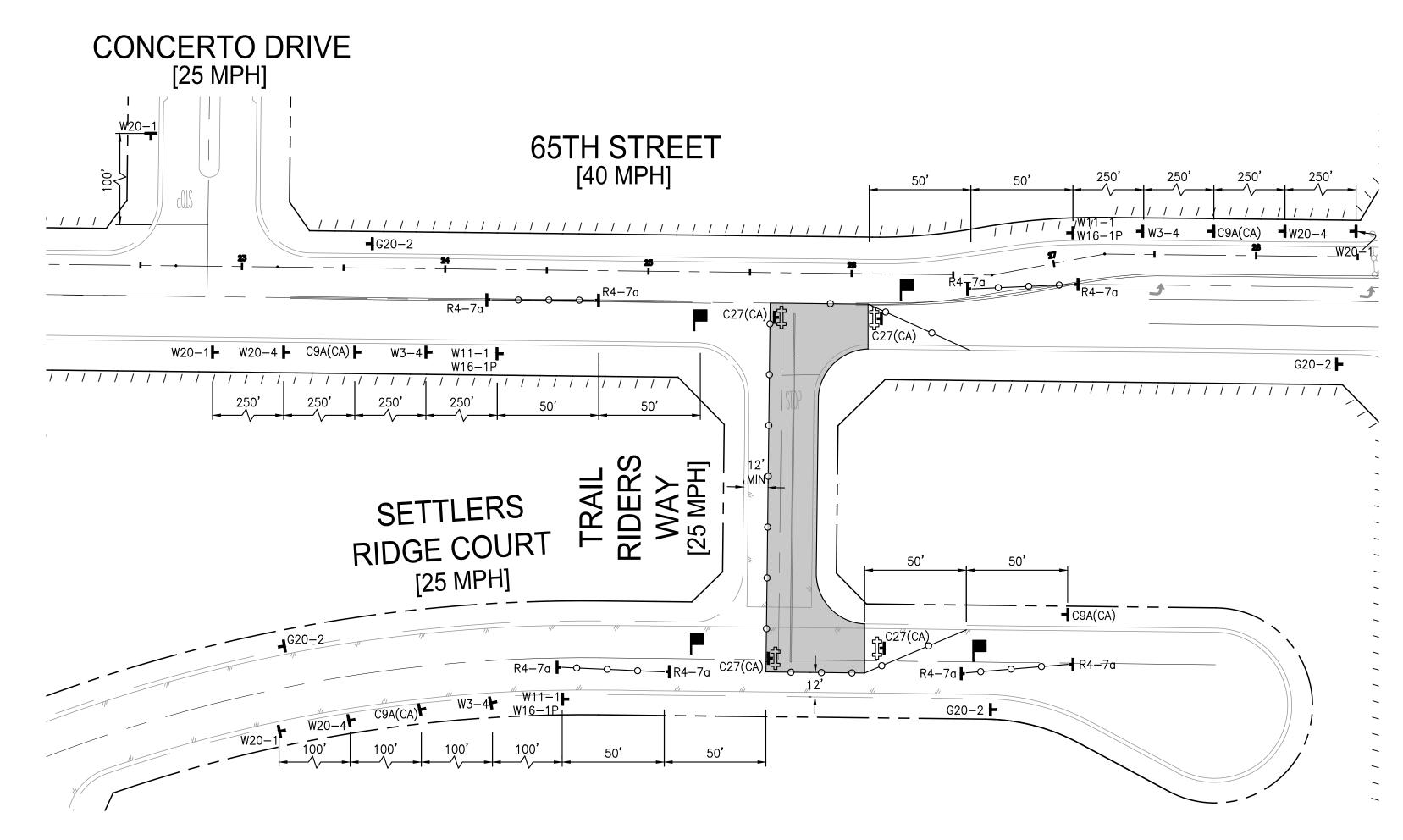
NOTE:



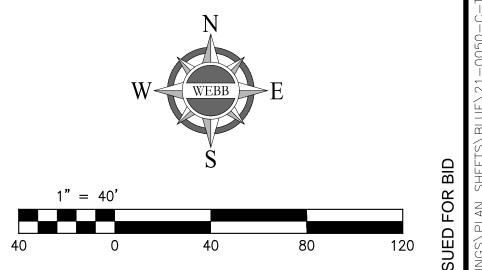
PHASE 15

<u>WORK HOURS:</u> 8:30 AM - 3:30 PM

<u>DURATION:</u> 1 DAY



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Undergroun	d Se	rvice	Alert
A TORONO	Call:	TOLL	FREE

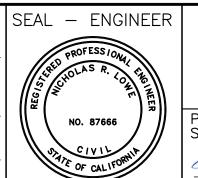
<u>WWW.call811.c</u>

TWO WORKING DAYS BEFORE YOU DIG

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						CITY OF EASTVALE	
						GINA GIBSON-WILLIAMS	DATE
						COMMUNITY DEVELOPMENT DIRECTOR	D7 E
						JASON KILLEBREW, PLANNING MANAGER	DATE
λRK	BY	DATE	REVISIONS	APPR.	DATE	WILLIAM HEMSLEY, CITY ENGINEER	DATE
ENGINEER			IVENDIONO	CI	TY	CONTRACT BY INTERWEST	
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ENGINEERING CONSULTANTS 3788 McCRAY STREET RIVERSIDE CA. 92506 PH. (951) 686-1070 FAX (951) 788-1256	BENCHMARK:
ESIGNED BY: ITM CHECKED BY: NRL	
R.C.E. NO.: <u>C87666</u>	

DATE: <u>4/3/2024</u>

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_	SCALE: H: AS SHOWN	V:AS	SHOWN

CITY OF	EASTVA	LE	SHEET NO
TRAFFIC C RECYCLED W	ONTROL PLA ATER PROGR	.,.	24
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21-0050

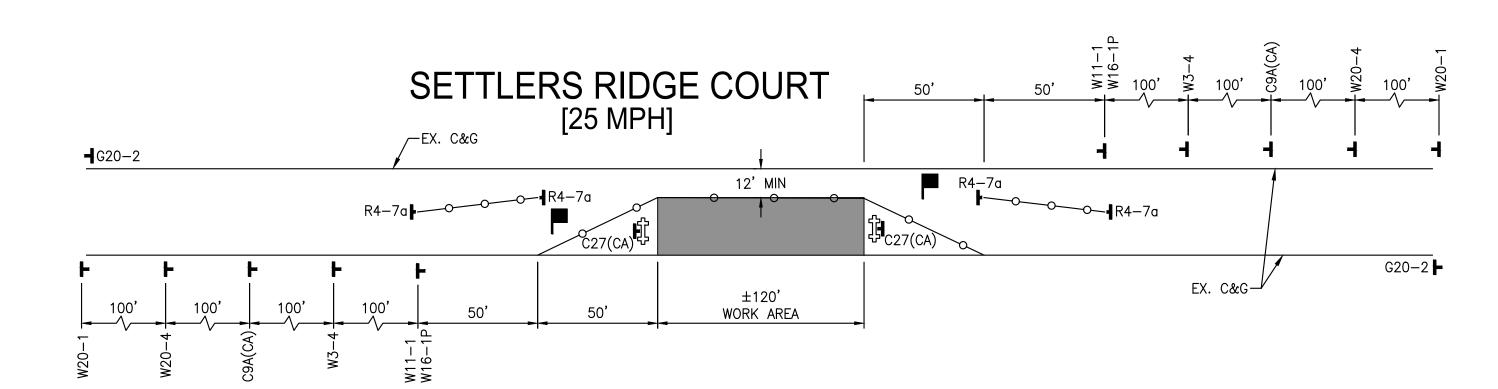
PHASE 16A & 16B

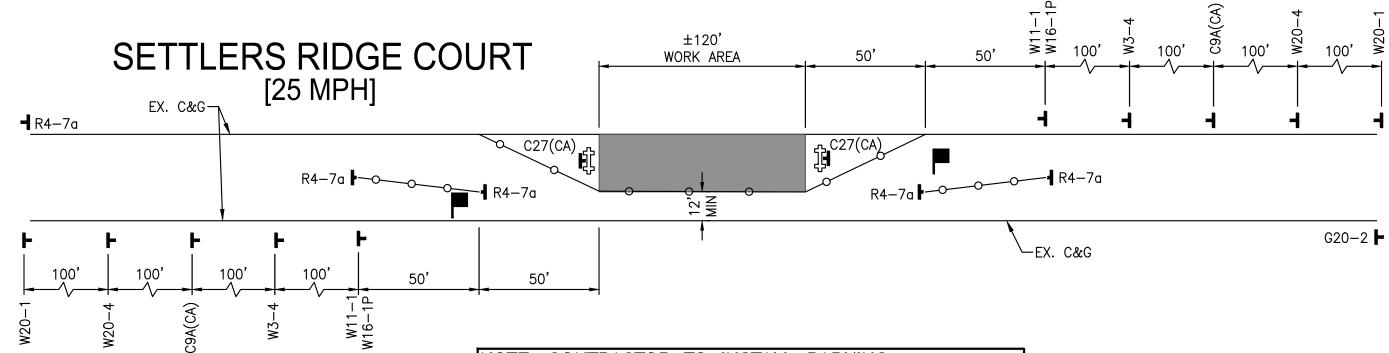
TYPICAL FLAGGING OPERATION TO BE USED FOR SETTLERS RIDGE COURT



<u>WORK HOURS:</u> 8:30 AM - 3:30 PM

DURATION: 1 DAY





NOTE: CONTRACTOR TO INSTALL PARKING RESTRICTIONS IN PLACE AND TIME IMPLEMENTED FOR EACH WORKZONE. PARKING SIGNS SHALL SAY "TEMPORARY R26 NO PARKING XXX FT WITHIN WORK ZONE FROM 8:30 AM TO 4:30 PM.

PORTABLE SIGN

MINIMUM 36" PORTABLE

DELINEATOR OR MINIMUM 28"

CONE @25' C-C

WATER LINE

LEGEND

WORK AREA

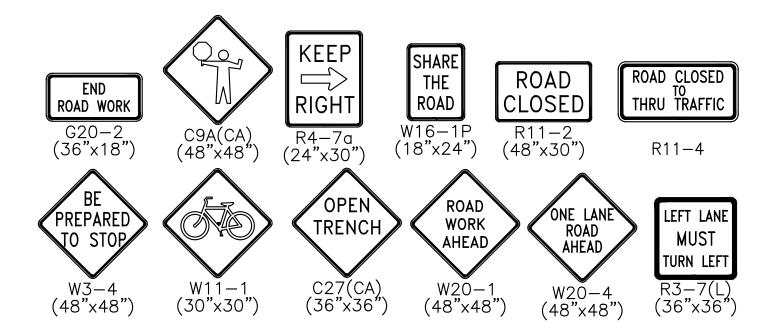
> DIRECTION OF TRAVEL (NOT A PAVEMENT MARKER)

TYPE III BARRICADE WITH SIGN

FLASHING ARROW SIGN

PORTABLE CHANGEABLE MESSAGE BOARD

SIGN LEGEND



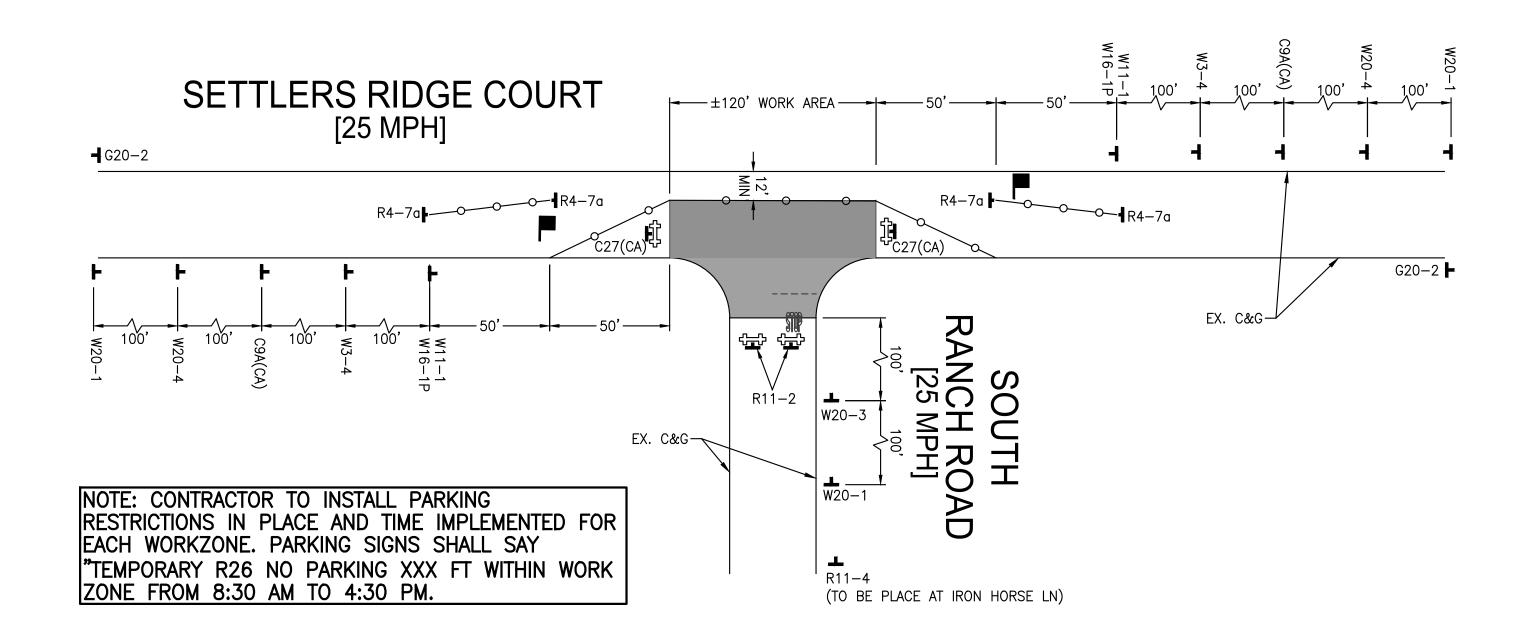
PHASE 17

TYPICAL FLAGGING OPERATION TO BE USED FOR SETTLERS RIDGE COURT

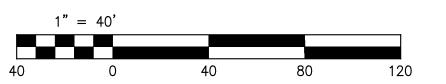
<u>WORK HOURS:</u> 8:30 AM - 3:30 PM

DURATION:
1 DAY





OPEN TRENCHES SHALL BE BACKFILLED OR COVERED WITH STEEL PLATE DURING NON-WORKING HOURS. STEEL PLATE LEFT OVERNIGHT IN LANES WITHOUT K-RAIL PROTECTION SHALL BE RECESSED ON ALL SIDES. NIGHT TIME TRAFFIC CONTROL SHALL BE IMPLEMENTED FOR ANY PHASE WITH STEEL PLATES LEFT OVERNIGHT. RECESS ALL STEEL PLATES THAT ARE IN TRAVEL LANE. STEEL PLATES IN WORK ZONE AND PROTECTED BY CONE CAN BE 4:1 SLOPE. ALL PEDESTRIAN PATHWAY WITHIN THE ROADWAY SHALL BE HAVE RECESS PLATING.



Underground Service Alert

Call: TOLL FREE

811

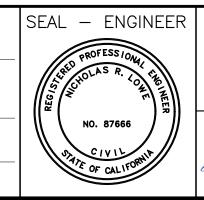
WWW.call811.com

TWO WORKING DAYS BEFORE YOU DIG

WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON IN THE EVENT OF DISCREPANCIES ARISING AFTER CITY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

						CITY OF EASTVALE	
						GINA GIBSON-WILLIAMS	DATE
						COMMUNITY DEVELOPMENT DIRECTOR	D/ 11 L
						JASON KILLEBREW, PLANNING MANAGER	DATE
MARK	BY	DATE	REVISIONS	APPR.	DATE	WILLIAM HEMSLEY, CITY ENGINEER	DATE
E١	IGINEE	ER	NEVISIONS	CI	TY	CONTRACT BY INTERWEST	



ENGINEERING CONSULTANTS
3788 McCRAY STREET RIVERSIDE CA. 92506 PH. (951) 686-1070
FAX (951) 788-1256
SIGNED BY: <u>ITM</u> CHECKED BY: <u>N</u> R.C.E. NO.: <u>C87666</u>

DATE: 4/3/2024

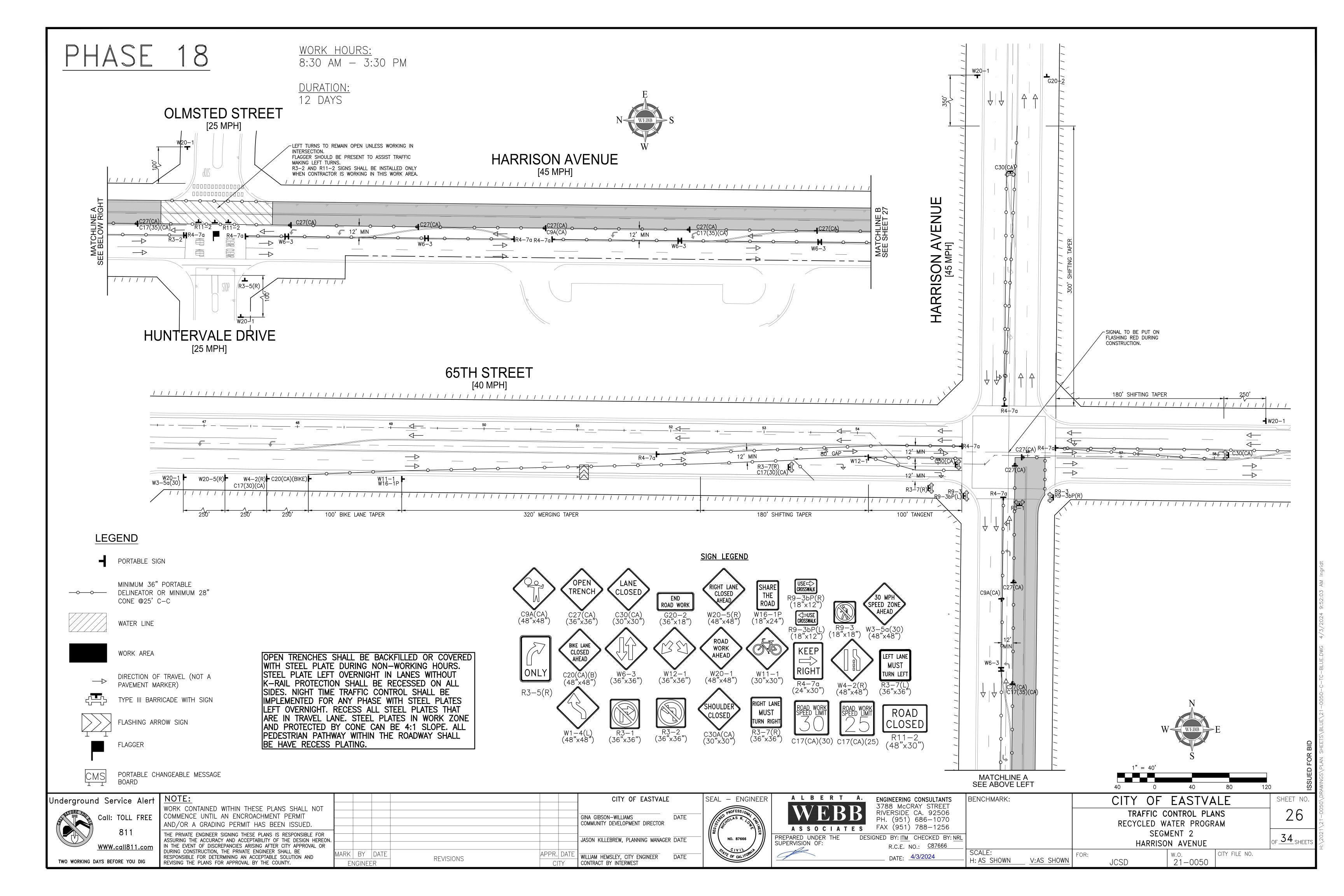
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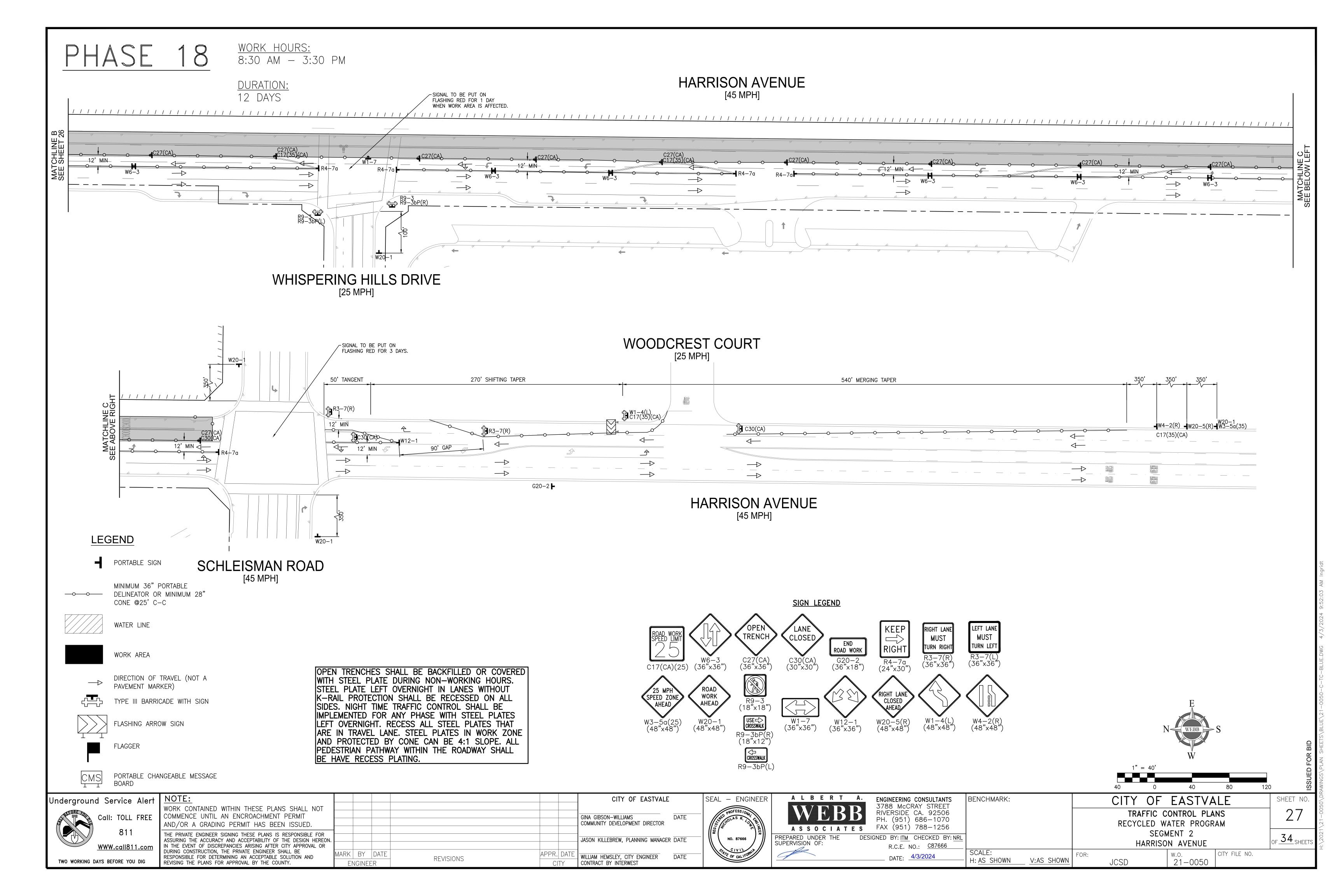
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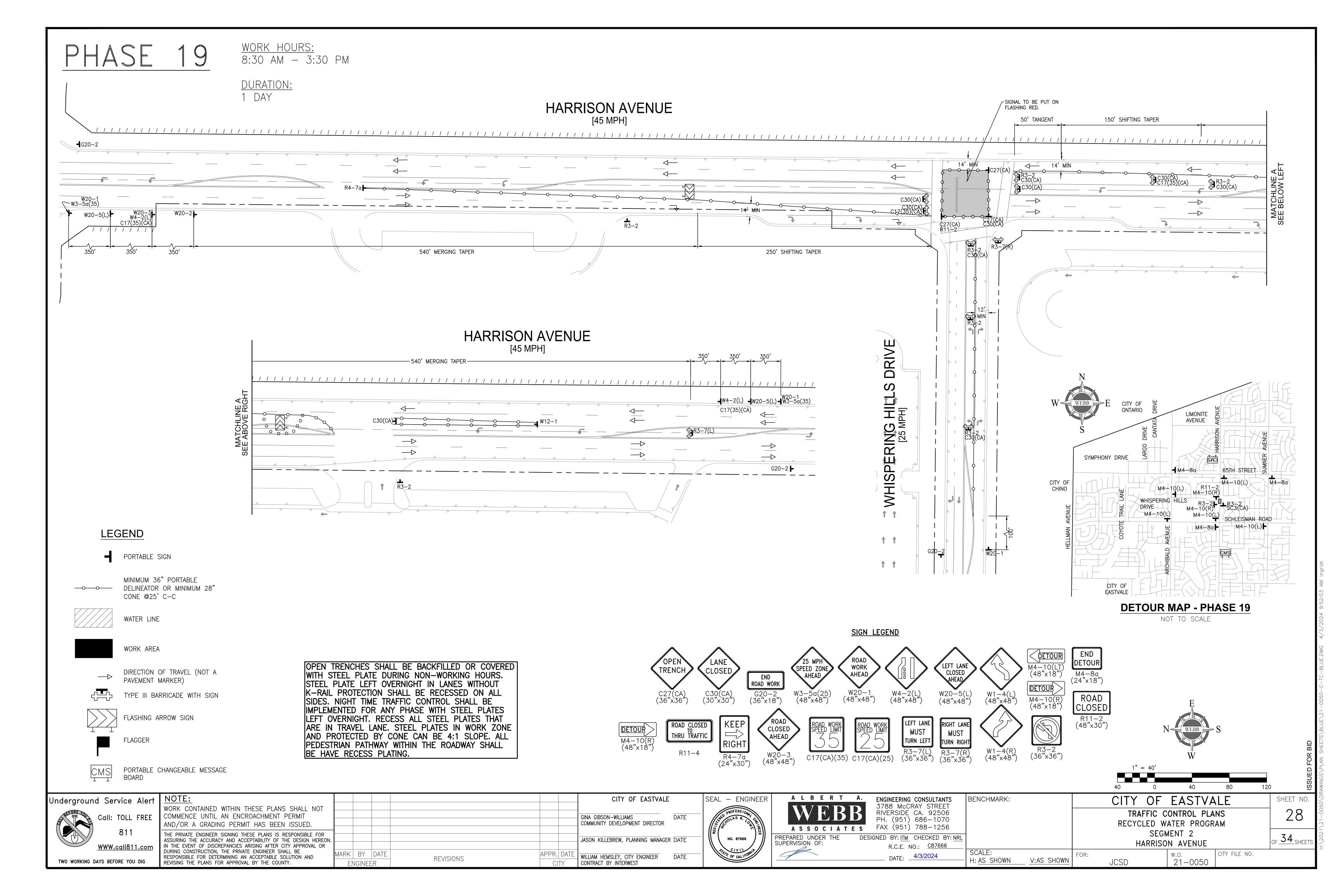
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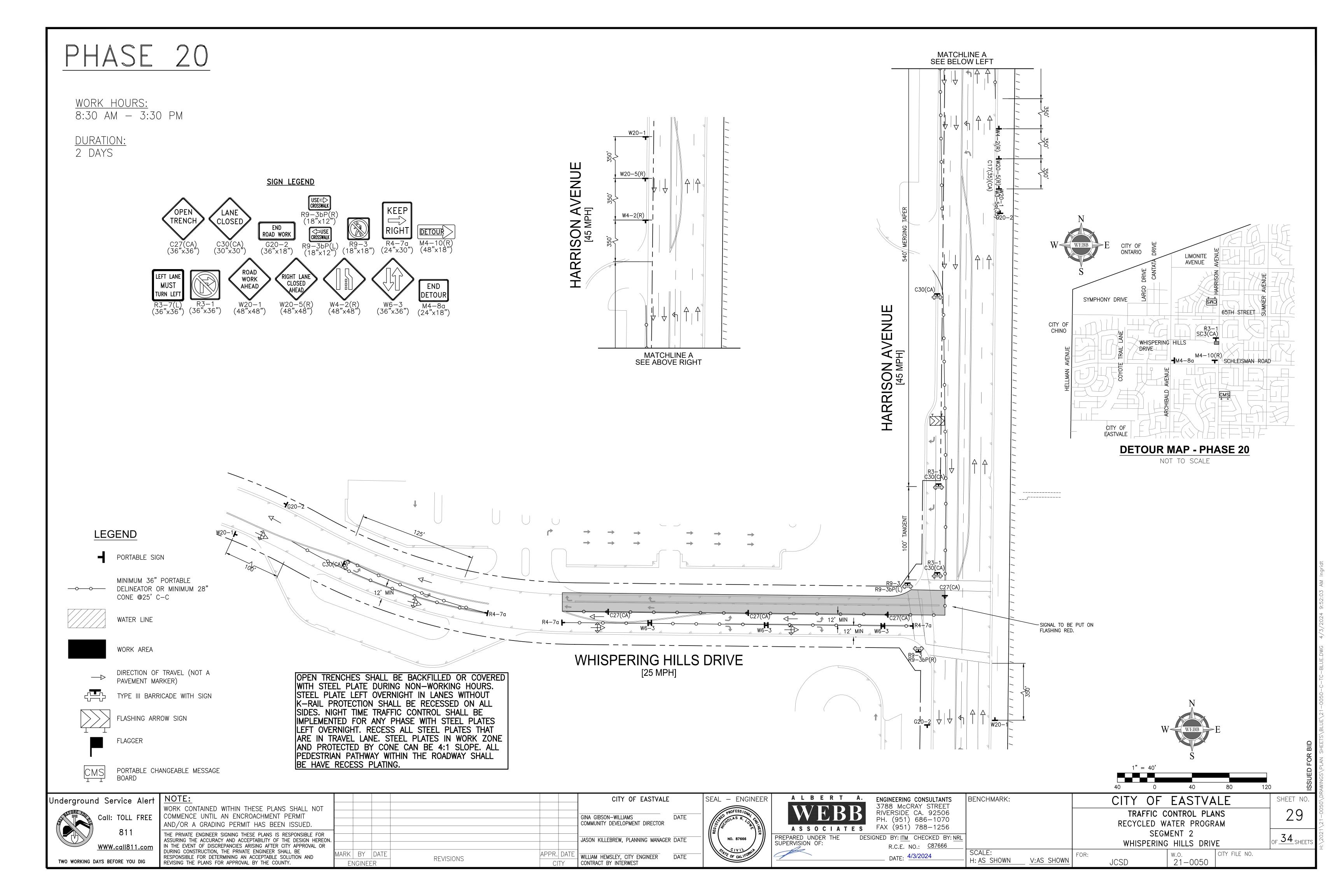
CITY OF	EASTVA	LE	SHEET NO
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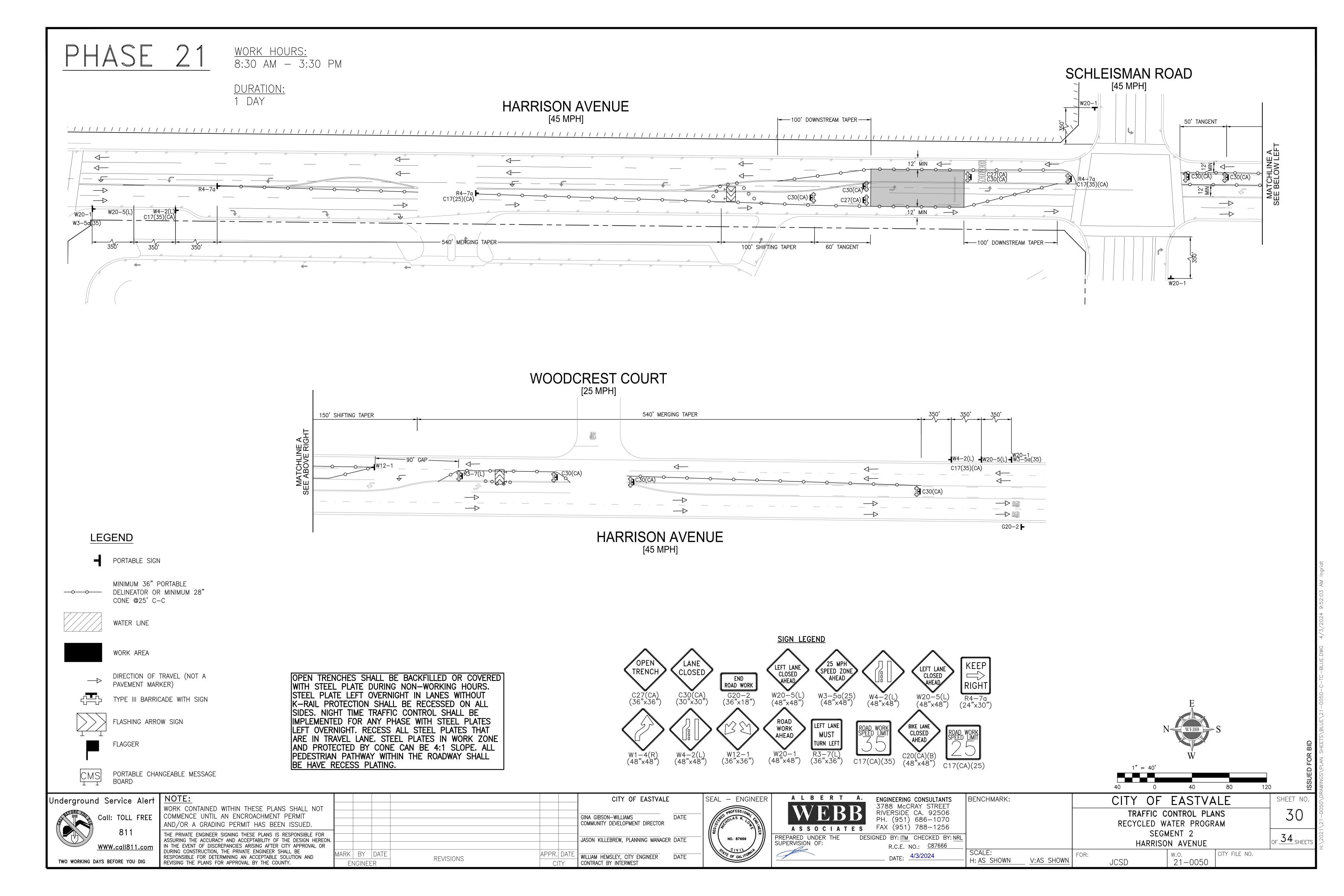
21-0050











<u>WORK HOURS:</u> 8:30 AM - 3:30 PM

DURATION: 1 DAY

HARRISON AVENUE <u>[45 MPH]</u> 90' GAP — W4-2(R) C17(35)(CA) 540' MERGING TAPER 270' SHIFTING TAPER 60' TANGENT

WHISPERING HILLS DRIVE [25 MPH]

LEGEND

PORTABLE SIGN

—o—o— DELINEATOR OR MINIMUM 28"

MINIMUM 36" PORTABLE CONE @25' C-C



WATER LINE



WORK AREA



DIRECTION OF TRAVEL (NOT A PAVEMENT MARKER)

TYPE III BARRICADE WITH SIGN



FLASHING ARROW SIGN



PORTABLE CHANGEABLE MESSAGE BOARD

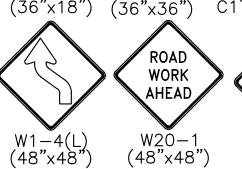
OPEN TRENCHES SHALL BE BACKFILLED OR COVERED WITH STEEL PLATE DURING NON-WORKING HOURS. STEEL PLATE LEFT OVERNIGHT IN LANES WITHOUT K-RAIL PROTECTION SHALL BE RECESSED ON ALL SIDES. NIGHT TIME TRAFFIC CONTROL SHALL BE IMPLEMENTED FOR ANY PHASE WITH STEEL PLATES LEFT OVERNIGHT. RECESS ALL STEEL PLATES THAT ARE IN TRAVEL LANE. STEEL PLATES IN WORK ZONE AND PROTECTED BY CONE CAN BE 4:1 SLOPE. ALL PEDESTRIAN PATHWAY WITHIN THE ROADWAY SHALL BE HAVE RECESS PLATING.





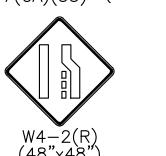


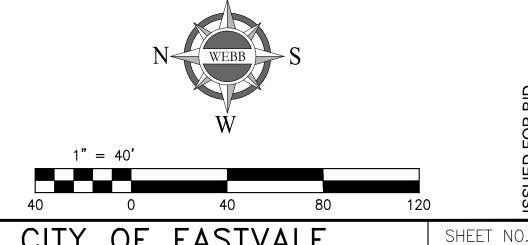




SIGN LEGEND







21-0050

OF 34 SHEET

HARRISON AVENUE

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G20-2 🟲

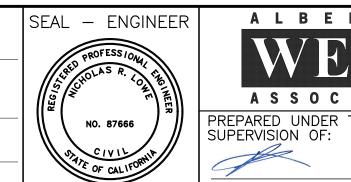
Underground	Service	Alert
STORE		



TWO WORKING DAYS BEFORE YOU DIG

NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED. THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER CITY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

						CITY OF EASTVALE	
						GINA GIBSON-WILLIAMS	DATE
						COMMUNITY DEVELOPMENT DIRECTOR	
						TACON IZILI EDDEW DI ANNINO MANAGED	DATE
						JASON KILLEBREW, PLANNING MANAGER	DATE
MARK	BY	DATE	DEVICIONE	APPR.	DATE	WILLIAM HEMSLEY, CITY ENGINEER	DATE
ENGINEER		R	REVISIONS	CI	TY	CONTRACT BY INTERWEST	DATE



A L B E R T A A S S O C I A T E S	3788 McCRAY STREET RIVERSIDE CA. 92506 PH. (951) 686-1070
EPARED UNDER THE DEPERVISION OF:	DESIGNED BY: <u>ITM</u> CHECKED BY: <u>NRL</u> R.C.E. NO.: <u>C87666</u>

: <u>NRL</u>		
	SCALE: H: AS SHOWN	V:AS SHOWN

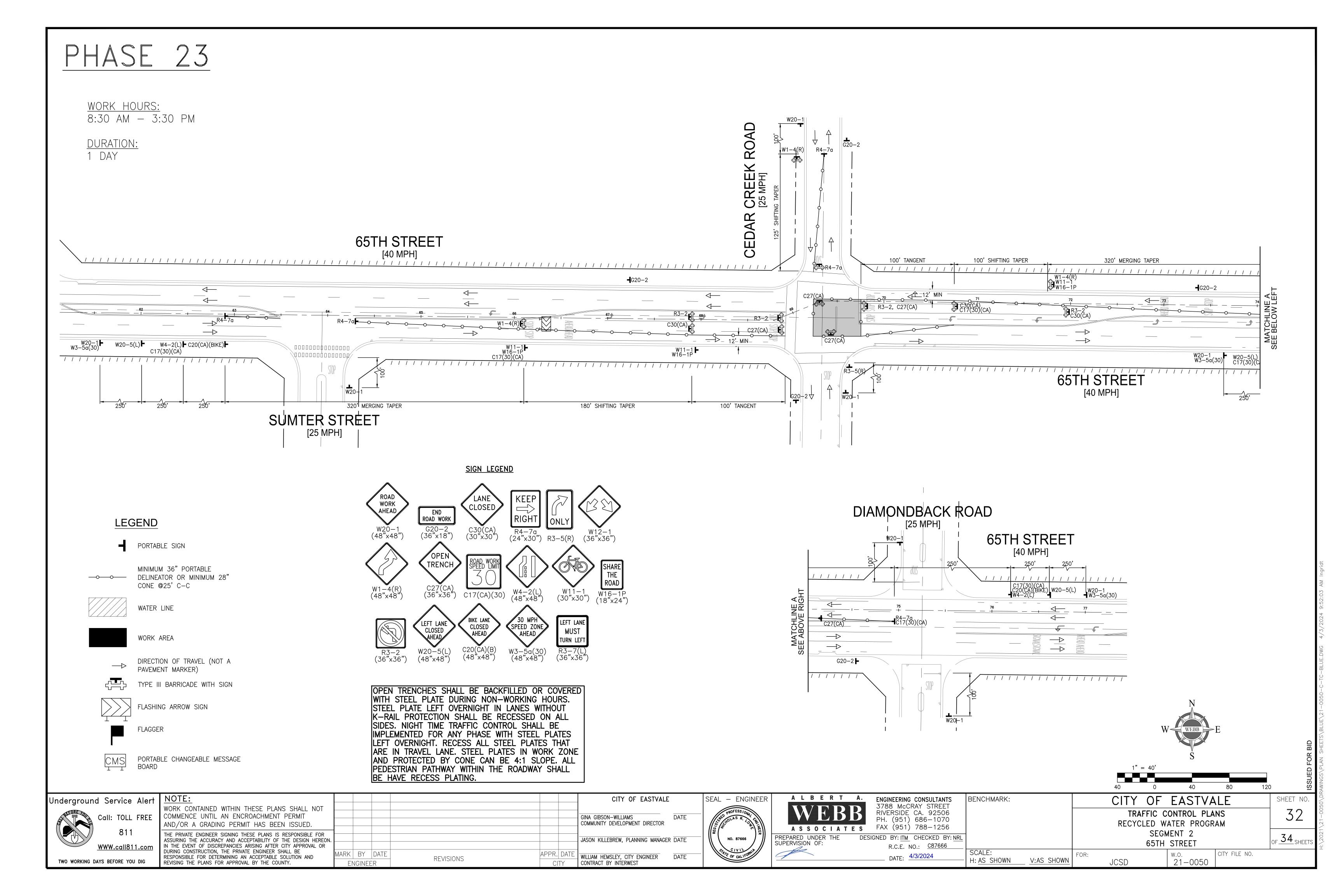
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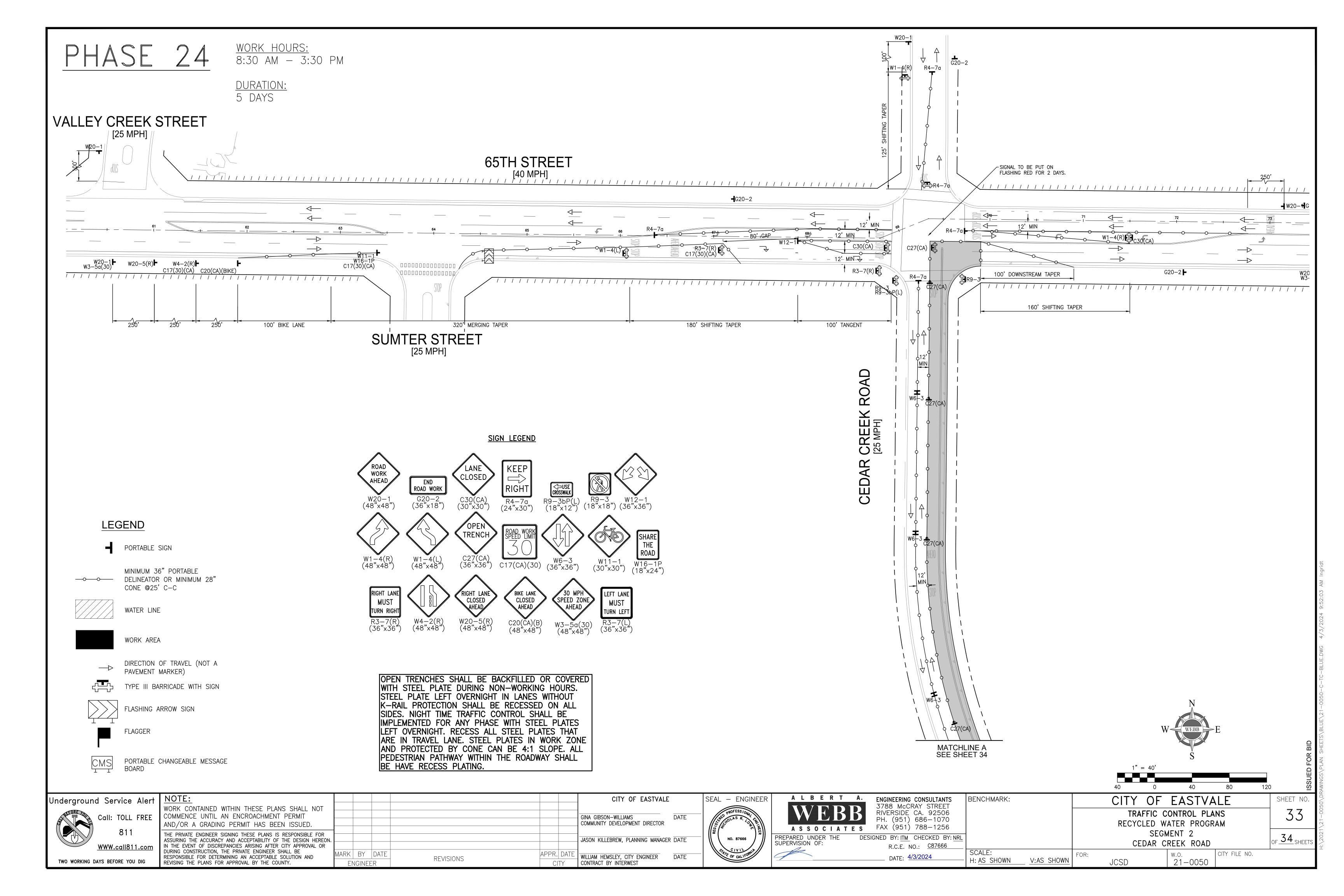
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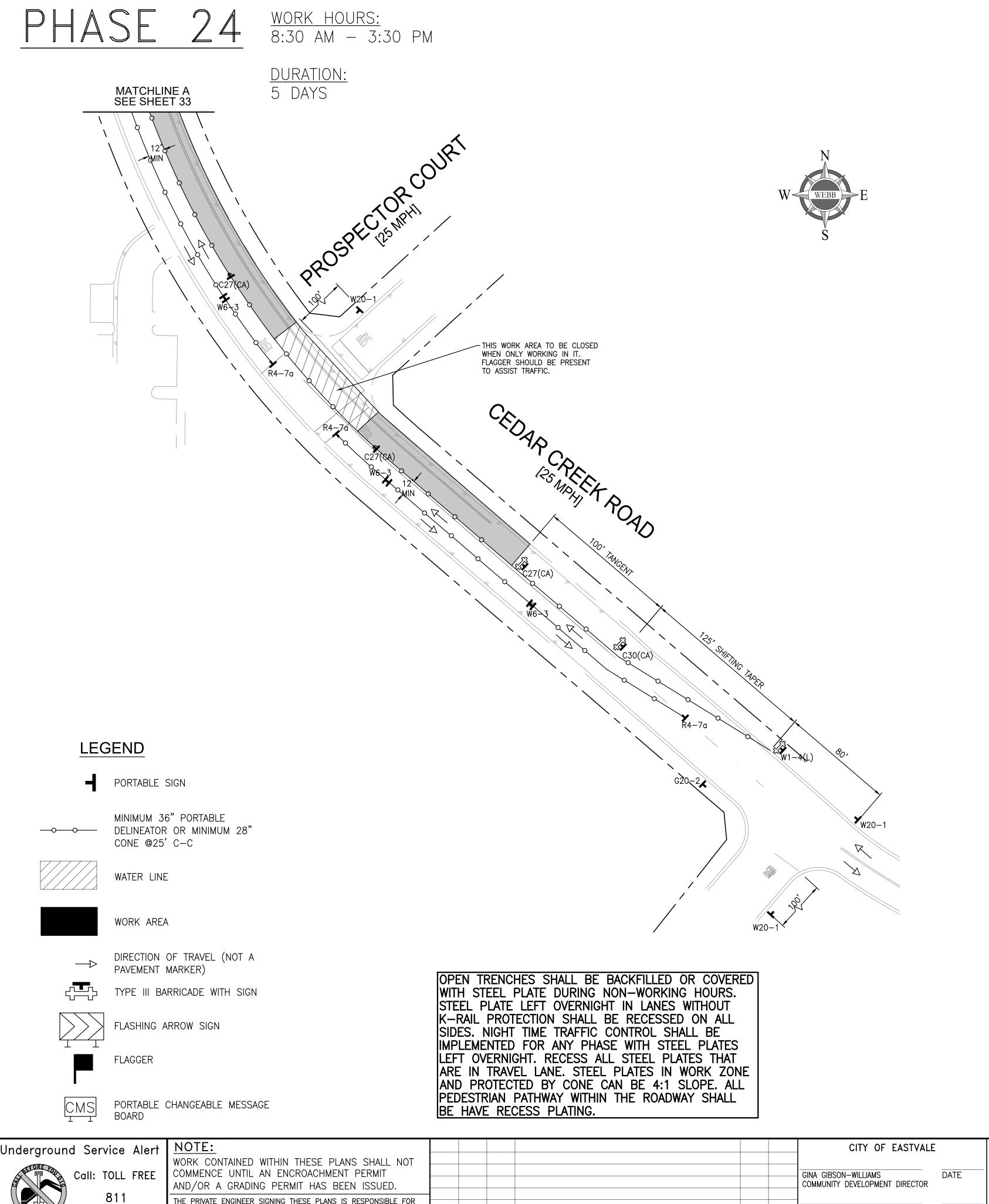
	BENCHMARK:	CITY OF	EASTVA	LE
		TRAFFIC C	ONTROL PLA	NS
		RECYCLED W	ATER PROGR	AM
		SEGN	MENT 2	
_		HARRISC	N AVENUE	
	SCALE:	FOR:	W.O.	CITY FILE NO.

SCHLEISMAN ROAD

[45 MPH]





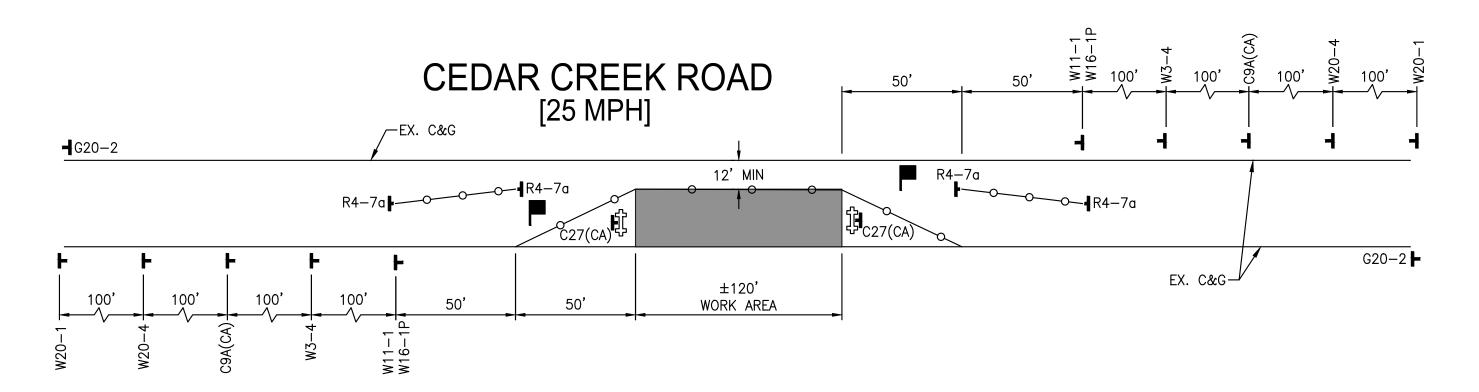


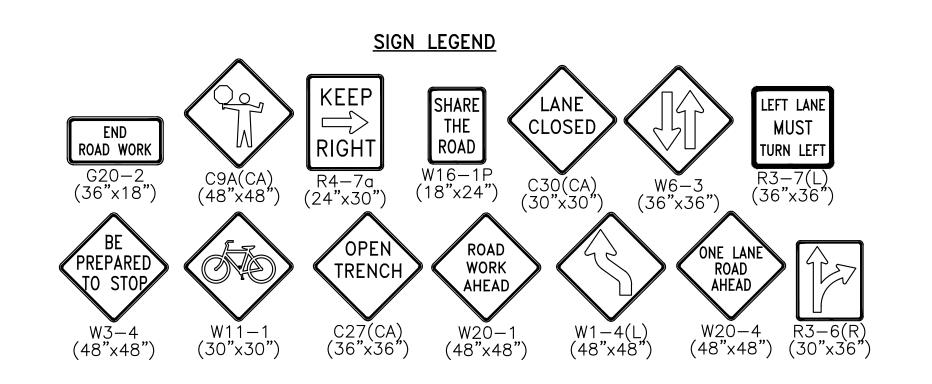
TYPICAL FLAGGING OPERATION TO BE USED FOR CEDAR CREEK ROAD



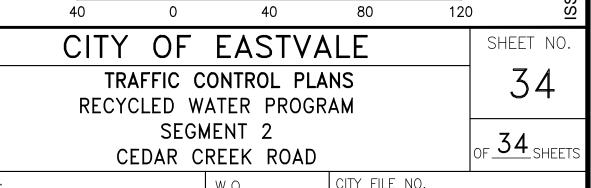
DURATION:







BENCHMARK:



TWO WORKING DAYS BEFORE YOU DIG

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER CITY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND

REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

1ARK | BY |DATE REVISIONS

SEAL - ENGINEER JASON KILLEBREW, PLANNING MANAGER DATE WILLIAM HEMSLEY, CITY ENGINEER CONTRACT BY INTERWEST

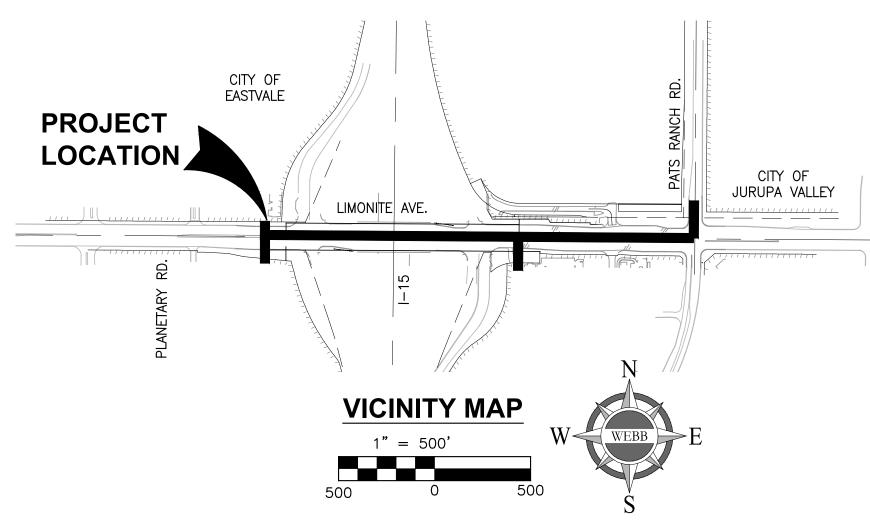
CITY



ENGINEERING CONSULTANTS 3788 McCRAY STREET RIVERSIDE CA. 92506 PH. (951) 686-1070 FAX (951) 788-1256 DESIGNED BY: ITM CHECKED BY: NRL R.C.E. NO.: <u>C87666</u> DATE: 4/3/2024

H: AS SHOWN V:AS SHOWN

CITY FILE NO. 21-0050



GENERAL NOTES

- 1. ALL ITEMS TO BE FURNISHED AND ALL WORK TO BE DONE SHALL CONFORM TO THE REQUIREMENTS OF THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION (CALTRANS) 2022 STANDARD PLANS AND STANDARD SPECIFICATIONS, THE 2014 CALIFORNIA
- SIGNS, BARRICADES, AND TEMPORARY PAVEMENT MARKINGS MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING ANY ADDITIONAL DEVICES NECESSARY TO ASSURE PUBLIC SAFETY AND TRAFFIC
- BEYOND SAID LIMITS AS NECESSARY TO INCLUDE AREAS AFFECTING OR AFFECTED BY THE WORK, FROM THE DATE OF NOTICE TO PROCEED TO THE COMPLETION AND ACCEPTANCE OF THE WORK
- 4. ANY CONTRACTOR PERFORMING WORK ON THIS PROJECT SHALL FAMILIARIZE WITH THIS SITE AND SHALL BE SOLELY RESPONSIBLE FOR ANY DAMAGE TO EXISTING FACILITIES RESULTING DIRECTLY OR INDIRECTLY FROM THEIR OPERATIONS, WHETHER OR NOT SUCH FACILITIES ARE SHOWN ON THESE PLANS.
- 5. ANY REVISIONS TO THESE DRAWINGS SHALL BE APPROVED IN WRITING BY THE ENGINEER OF RECORD AND THE AGENCY HAVING 2. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS
- CONFIRMED IN FIELD BY THE CONTRACTOR, SO THAT ANY NECESSARY ADJUSTMENT CAN BE MADE IN ALIGNMENT 6. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND A BUSINESS LICENSE FROM THE CITY BEFORE BEGINNING ANY WORK IN ROAD RIGHT-OF-WAY.
 - 7. NO EQUIPMENT OR MATERIAL SHALL BE STORED IN CALTRANS RIGHT-OF-WAY OR CITY'S RIGHT-OF-WAY OR CITY APPROVED LOCATION.
 - 8. CONTRACTOR SHALL CONTACT THE CITY REPRESENTATIVE AT LEAST SEVEN (7) DAYS IN ADVANCE OF PLACING TRAFFIC CONTROL EQUIPMENT FOR APPROVAL.
 - 9. ALL ADJACENT BUSINESSES, SCHOOL, RESIDENCES, SCHOOL AND CHURCHES SHALL BE DULY NOTIFIED BY THE CONTRACTOR, IN WRITING, OF HIS PROPOSED OPERATIONS. NOTICE SHALL BE DELIVERED AT LEAST SEVEN (7) WORKING DAYS PRIOR TO START OF CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPRODUCTION OF NOTIFICATION LETTERS. RE-NOTIFICATION WILL BE REQUIRED IF THE CONTRACTOR'S SCHEDULE IS ALTERED OR OTHER DELAYS OCCUR WHICH AFFECT THE PROJECT SCHEDULE.
 - 10. ACCESS TO BUSINESS, RESIDENCES, SCHOOLS AND CHURCHES SHALL REMAIN OPEN AT ALL TIMES UNLESS OTHERWISE AUTHORIZED, ACCESS CLOSURE SHALL BE SCHEDULED WITH THE PROPERTY OWNERS AND APPROVED BY THE CITY.
 - 11. CONTRACTOR SHALL COVER EXISTING TRAFFIC SIGNS, TRAFFIC SIGNALS, OR PEDESTRIAN SIGNAL INDICATIONS SHOULD SAID CONTROLS CONFLICT WITH TEMPORARY TRAFFIC CONTROL PLAN OR AS DIRECTED BY THE CITY.
 - 12. ALL CONFLICTING LINES, ARROWS, MARKINGS, OR CURB PAINT SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO THE REMOVAL OF MARKINGS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER.
 - 13. TEMPORARY PAVEMENT DELINEATION SHALL BE FURNISHED, PLACED, MAINTAINED AND REMOVED IN ACCORDANCE WITH THE PROVISIONS IN SECTION 12-3.01, "GENERAL," OF THE CALTRANS STANDARD SPECIFICATIONS. CONTRACTOR SHALL USE REMOVABLE PREFORMED PLASTIC MARKINGS FOR PAVEMENT DELINEATION.
 - 14. WHENEVER THE WORK CAUSES OBLITERATION OF PAVEMENT DELINEATION, TEMPORARY OR PERMANENT PAVEMENT DELINEATION SHALL BE IN PLACE PRIOR TO OPENING THE TRAVELED WAY TO PUBLIC TRAFFIC. LANE LINES AND CENTERLINE PAVEMENT DELINEATION SHALL BE PROVIDED AT ALL TIMES FOR TRAVELED WAYS OPEN TO THE PUBLIC TRAFFIC.
 - 15. CONTRACTOR SHALL REPLACE/REPAIR ANY AND ALL STRIPING, PAVEMENT MARKINGS, RAISED PAVEMENT MARKERS, AND CURB PAINT DISRUPTED OR REMOVED DURING THE CONSTRUCTION TO THE SATISFACTION OF THE CITY ENGINEER AND THE CALTRANS ENGINEER.

- 16. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE REMOVED FOLLOWING COMPLETION OF EACH CONSTRUCTION STAGE AND THE PERMANENT TRAFFIC CONTROL DEVICES SHALL BE RESTORED BY THE CONTRACTOR UPON COMPLETION OF PROJECT
- GUARDING THE WORK AREA OVERNIGHT
- 19. PLACE ADDITIONAL "LANE CLOSED" C30(CA) SIGNS ON TYPE—II BARRICADES AS DIRECTED BY THE CITY ENGINEER THROUGHOUT EXTENDED WORK AREA IN EACH LANE THAT IS CLOSED. INSTALL "OPEN TRENCH" C27(CA) SIGNS WHENEVER OPEN EXCAVATION AREAS EXIST ADJACENT TO THE TRAVELED WAY.
- 20. A MINIMUM OF 5' CLEARANCE SHALL BE MAINTAINED BETWEEN OPEN EXCAVATION AND ADJACENT TRAVEL LANES OPEN TO PUBLIC.
- 21. TRAFFIC SIGNALS SHALL REMAIN IN OPERATION AT ALL TIMES. SIGNAL OPERATION MODIFICATION DURING EACH CONSTRUCTION STAGE SHALL BE COORDINATED WITH AND APPROVED BY THE CITY SEVEN (7) DAYS IN ADVANCE.
- 22. CONTRACTOR IS RESPONSIBLE TO PROVIDE QUALIFIED TRAFFIC SIGNAL TECHNICIANS TO MODIFY AND MAINTAIN TRAFFIC SIGNAL DURING CONSTRUCTION.
- 23. CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA) AS RELATED TO PEDESTRIAN ACCESS AND SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES PER ADA REQUIREMENTS. SIDEWALK CLOSURE/DETOUR SHALL COMPLY WITH CA-MUTCD AND SHALL OBTAIN APPROVAL FROM THE CITY.
- 24. STEEL PLATES SHALL BE MAINTAINED FOR OPEN EXCAVATIONS DURING NON-WORKING HOURS. CONTRACTOR SHALL INSTALL "STEEL PLATES AHEAD" AND/OR "ROUGH ROAD" SIGNS IN ADVANCE OF STEEL PLATE BRIDGING.
- 25. PROPERLY TRAINED AND EXPERIENCED FLAGGERS SHALL BE PROVIDED TO DIRECT TRAFFIC WHEN SAID TRAFFIC IS TO BE INTERRUPTED, WHEN TWO-WAY TRAFFIC IS TO BE REDUCED TO ONE-WAY TRAFFIC, AND AT OTHER SUCH TIMES AS IS NECESSARY TO SAFELY PASS TRAFFIC THROUGH OR AROUND THE WORK AREA AND WHEN SO DIRECTED BY THE ENGINEER.
- 26. CONSTRUCTION TRUCK TRAFFIC MERGING INTO TRAFFIC LANES SHALL BE BY USE OF FLAGGERS AND APPROPRIATE SIGNAGE.
- 27. THE CITY MAY REQUIRE ADDITIONAL TRAFFIC CONTROL IN SCHOOL ZONES, IF SCHOOLS ARE IN SESSION.
- 28. TRAFFIC CONTROL WITHIN THE STATE RIGHT-OF-WAY SHALL BE TO STATE STANDARDS. THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL TRAFFIC CONTROL DEVICES AS NECESSARY TO MAINTAIN PUBLIC SAFETY. ALL WORK WITHIN SIX (6) FEET OF THE SHOULDER WILL REQUIRE CLOSURE OF THE SHOULDER. ALL WORK WITHIN SIX (6) FEET OF TRAVELED WAY WILL REQUIRED CLOSURE OF THAT LANE. USE OF A FLASHING ARROW BOARD IS MANDATORY.
- 29. CONTRACTOR SHALL PROTECT IN PLACE ANY TRAFFIC SIGNAL INTERCONNECT CONDUIT AND WIRING ALONG XXX AVENUE. IF PERMIT PROJECT COMES IN CLOSE PROXIMITY OF CONDUITS IN THE CALTRANS RIGHT-OF-WAY, A CALTRANS REPRESENTATIVE MUST BE PRESENT TO INSPECT THE JOB TO ENSURE THAT THE CONDUITS OR WIRING WILL NOT BE DAMAGED.
- 30. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT ALL DAMAGED OR DESTROYED TRAFFIC SIGNAL CONDUITS, WIRING,
- 31. ENSURE THAT WORK VEHICLES OR EQUIPMENT SHOULD NOT BE PARKED WITHIN 6 FEET OF TRAFFIC LANE TO PERFORM ACTIVE CONSTRUCTION.
- 32. WHEN TRENCH EXCAVATION ACTIVITY HAS BEEN COMPLETED OR PUT ON HOLD, THE TRENCH MUST BE BACKFILLED OR PROTECTED AS SPECIFIED IN THE STANDARD SPECIFICATIONS, SECTION 86-2.01.
- 33. CONTRACTOR SHALL STEEL PLATE OPEN TRENCH AT END OF EACH WORK DAY. PROVIDE W8-17 & W8-24 WARNING SIGNS IN ADVANCE OF ANY STEEL PLATING.
- 34. CONTRACTOR SHALL NOTIFY RTA (951) 565-5160 OR ANY OTHER IMPACTED TRANSIT SERVICE AT LEAST 5 WORKING DAYS PRIOR
- 35. ADT WITH HIGHER THAN 15,000 VEHICLE PER HOUR WILL REQUIRE A MESSAGE BOARD PLACED 7 DAYS IN ADVANCE OF CONSTRUCTION. MESSAGE "ROAD WORK/MONTH DATE TO MONTH DATE/EXPECT DELAY".

PORTABLE DELINEATOR AND CONES. ALL BARRICADES LEFT OUT OVERNIGHT MUST HAVE YELLOW BEACON.

- 36. IF NIGHTTIME WORK OR TRAFFIC CONTROL DEVICES ARE LEFT OVERNIGHT, CONTRACTOR MUST USE REFLECTIVE WHITE BAND ON
- 37. DUST CONTROL MUST BE MAINTAINED DURING CONSTRUCTION.

LEGEND

CITY OF

ONTARIO

CITY OF CHINO

PORTABLE SIGN

MINIMUM 36" PORTABLE DELINEATOR OR MINIMUM 28" CONE @25' C-C

ちSTREE

VICINITY MAP

NOT TO SCALE

JCSD BOUNDARY

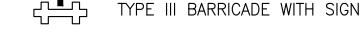


GRIND AND OVERLAY















PORTABLE CHANGEABLE MESSAGE

SHFFT INDEX:

W.O.

22-0187

SHELL HADI	<u> </u>
SHEET 1	TITLE SHEET
SHEET 2	TRAFFIC CONTROL PLANS: PHASE 1
SHEET 3-4	TRAFFIC CONTROL PLANS: PHASE 2
SHEET 5	TRAFFIC CONTROL PLANS: PHASE 3
SHEET 6	TRAFFIC CONTROL PLANS: PHASE 4
SHEET 7	TRAFFIC CONTROL PLANS: PHASE 5
SHEET 8-9	TRAFFIC CONTROL PLANS: PHASE 6
SHEET 10-11	TRAFFIC CONTROL PLANS: PHASE 7
SHEET 12-13	TRAFFIC CONTROL PLANS: PHASE 8
SHEET 14-15	TRAFFIC CONTROL PLANS: PHASE 9
SHEET 16-18	TRAFFIC CONTROL PLANS: PHASE 10
SHEET 19-20	TRAFFIC CONTROL PLANS: PHASE 11
SHEET 21-22	TRAFFIC CONTROL PLANS: PHASE 12
SHEET 23-24	TRAFFIC CONTROL PLANS: PHASE 13
SHEET 25	TRAFFIC CONTROL PLANS: PHASE 14
SHEET 26-27	TRAFFIC CONTROL PLANS: PHASE 15

SHEET NO. JURUPA COMMUNITY SERVICES DISTRICT

NOTICE TO CONTRACTORS

THESE PLANS.

BASIS OF BEARINGS:

BENCHMARK DATA:

COUNTY/STATE: RIVERSIDE/CA

ENGINEERING DEPARTMENT

FOR REVIEW ONLY:

STATION ID;

CALTRANS

DATUM:

ELEV:

DESC.:

WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED. THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER JCSD APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND

ENGINEER

REVISING THE PLANS FOR APPROVAL BY JCSD.

CITY OF JURUPA VALLEY

ENGINEERING DEPARTMENT

1. CONTRACTOR AGREES THAT HE SHALL ASSUME COMPLETE AND SOLE RESPONSIBILITY FOR JOB SITE CONDITIONS

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 THIS PROJECT, EXCEPTING

WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THESE LOCATIONS ARE APPROXIMATE AND SHALL BE

PRECAUTIONARY MEASURES TO PROTECT ANY UTILITY LINES SHOWN AND ANY OTHER LINES NOT SHOWN ON

3. MAJOR ITEMS TO BE REMOVED HAVE BEEN NOTED ON THESE PLANS. HOWEVER THE CONTRACTOR IS TO WALK

THE SITE FOR VERIFICATION OF ADDITIONAL SURFACE FEATURES REQUIRING REMOVAL. THE CONTRACTOR IS

DISPOSE OF LEGALLY. CONTRACTOR IS TO BACKFILL ACCORDINGLY AND LEAVE SITE IN A RELATIVELY LEVEL

RESPONSIBLE TO REMOVE ALL OBJECTS AND MATERIALS (AC, CONCRETE, TREES, BUSHES, FENCING, ETC.) THAT

ARE IN CONFLICT WITH THE NEW PROPOSED IMPROVEMENTS WHETHER CALLE-OUT OR NOT ON THE PLANS AND

AND/OR GRADE OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR IS REQUIRED TO TAKE DUE

REQUIREMENT SHALL CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS: AND THAT THE

FROM LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.

"THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA STATE PLANE

COORDINATE SYSTEM, CCS83, ZONE 6, BASED LOCALLY ON CONTROL STATIONS "WLFP",

"EWPP", AND "NOCO" NAD 83(NSRS2011) AS SHOWN HEREON. ALL BEARINGS SHOWN

ON THIS MAP ARE GRID. QUOTED BEARINGS AND DISTANCES FROM REFERENCE MAPS

OR DEEDS ARE AS SHOWN PER THAT RECORD REFERENCE. ALL DISTANCES SHOWN

ARE GROUND DISTANCES UNLESS SPECIFIED OTHERWISE. GRID DISTANCES, MAY BE

OBTAINED BY MULTIPLYING THE GROUND DISTANCE BY A COMBINATION FACTOR

N: 2306052.339, E: 6170039.656, USING AN ELEVATION OF 694.279.

1" IP W/ TAG LS 4131 DN. 0.04', CL

WINEVILE AVE. \pm 70' S'LY OF 63RD ST.

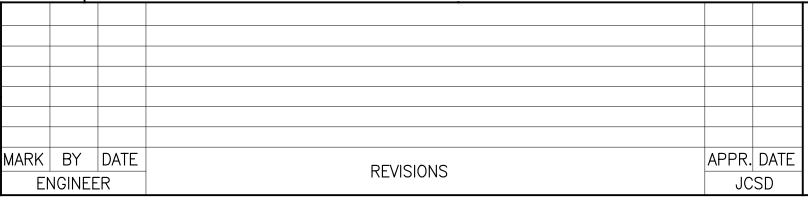
THE CONVERGENCE ANGLE AT POINT #1 IS -000°42"35.76"

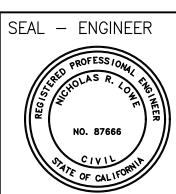
Z 13971

NAVD 88

663.50

OF 0.999991464. CALCULATIONS ARE MADE AT POINT #1 WITH COORDINATES OF:







3788 McCRAY STREET RIVERSIDE CA. 92506 PH. (951) 686-1070 FAX (951) 788-1256

DESIGNED BY: ITM CHECKED BY: NRL R.C.E. NO.: <u>87666</u> DATE: <u>4/16/2025</u>

ENGINEERING CONSULTANTS

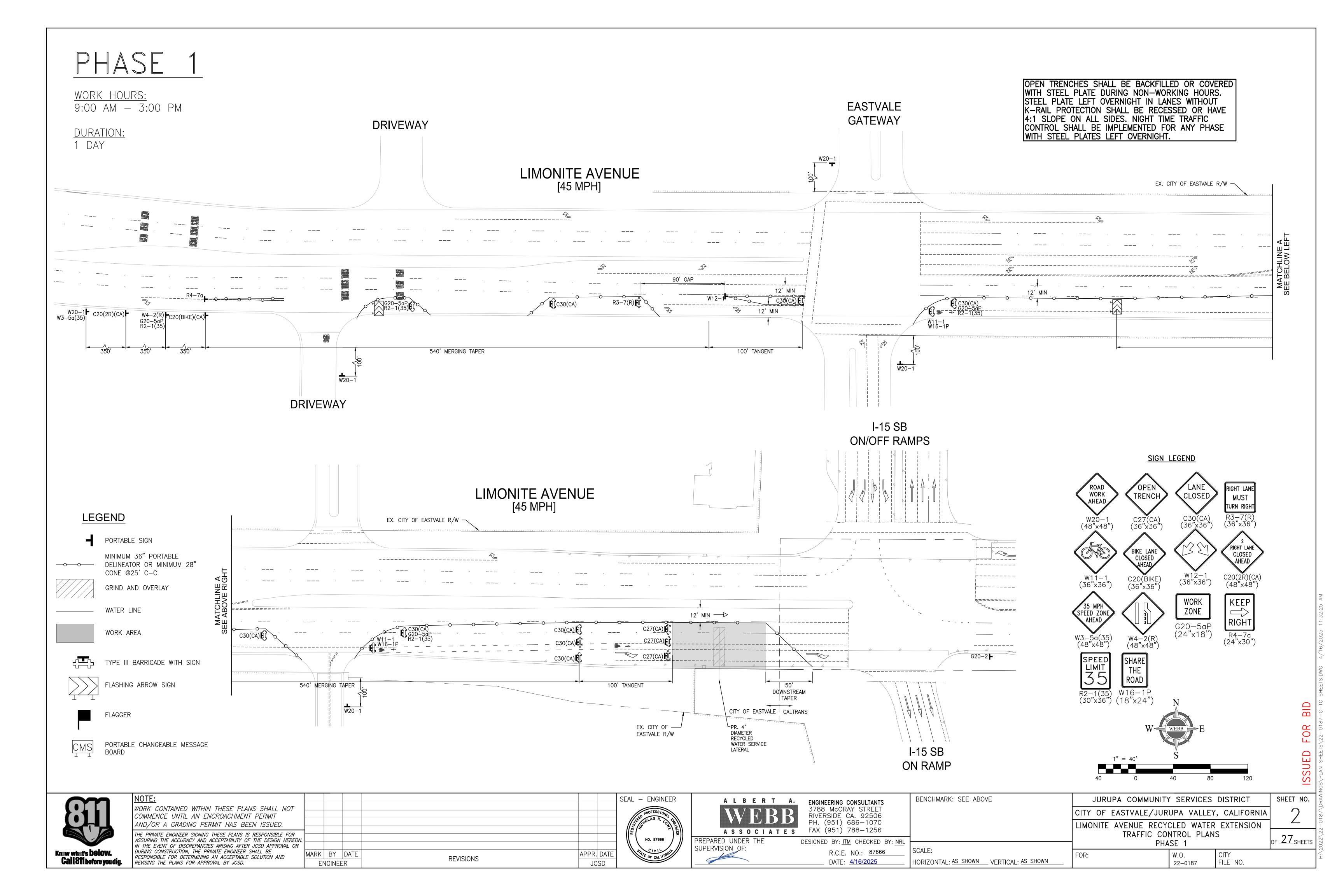
HORIZONTAL: AS SHOWN VERTICAL: AS SHOWN

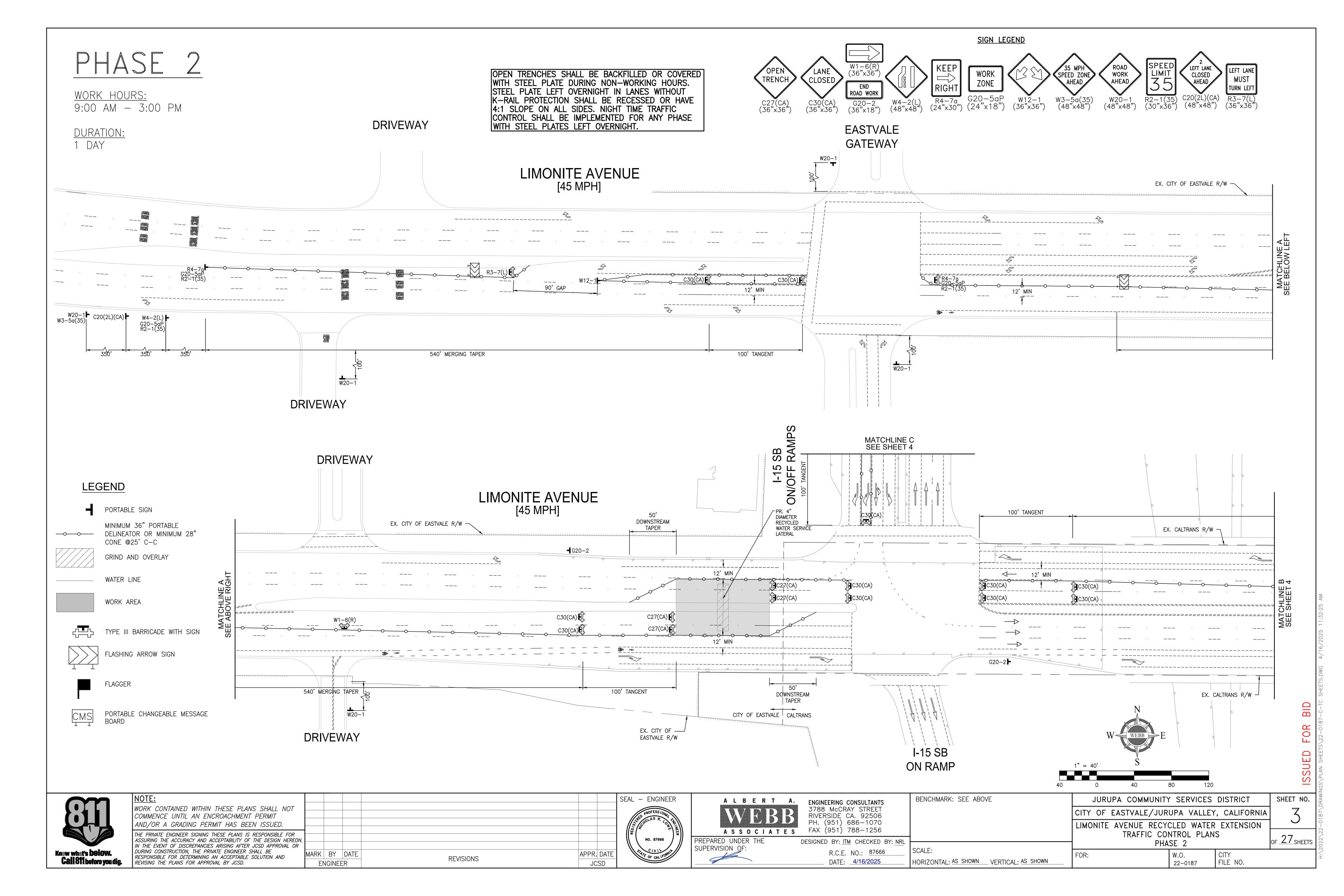
BENCHMARK: SEE ABOVE

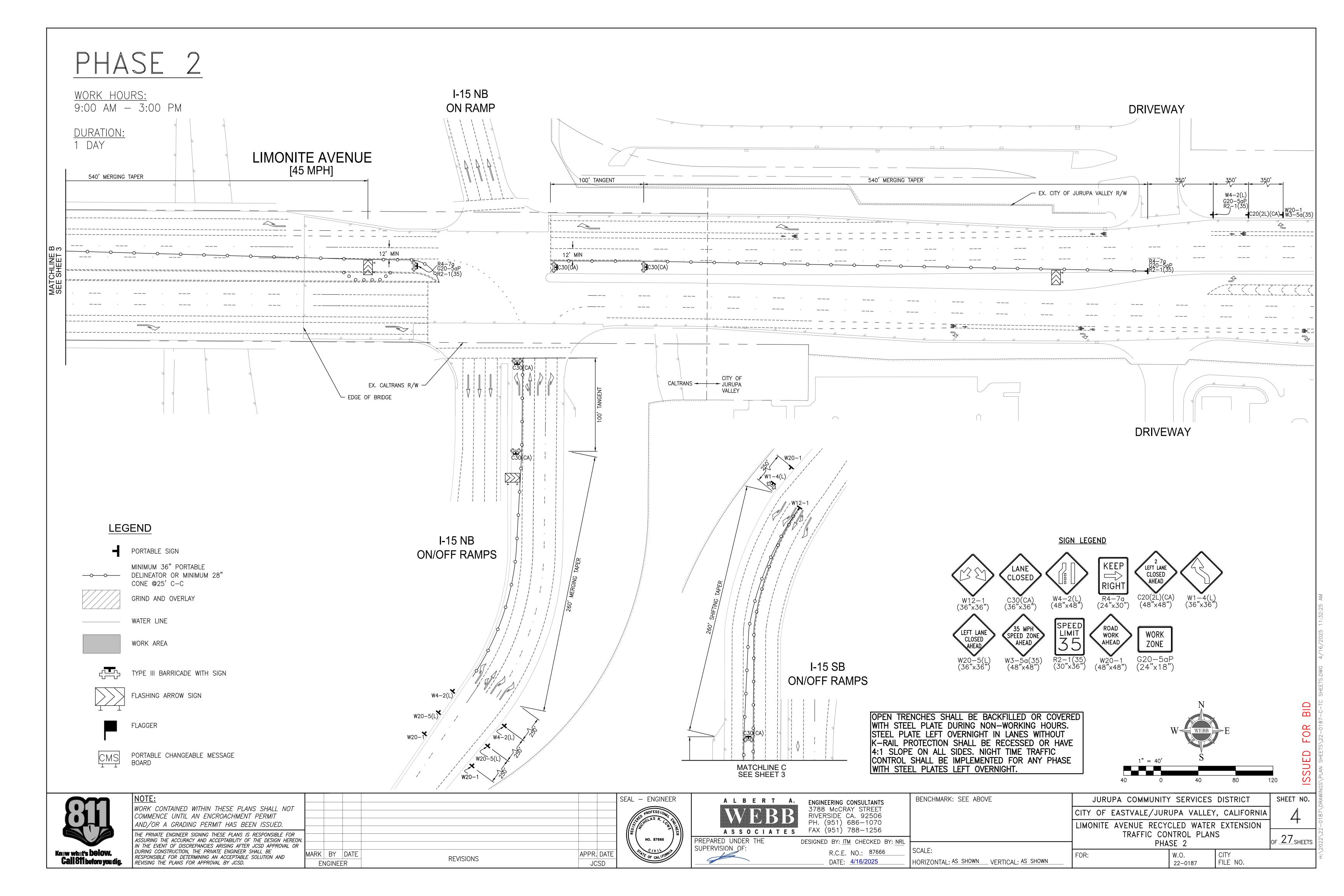
CITY OF EASTVALE/JURUPA VALLEY, CALIFORNIA LIMONITE AVENUE RECYCLED WATER EXTENSION TRAFFIC CONTROL PLANS TITLE SHEET

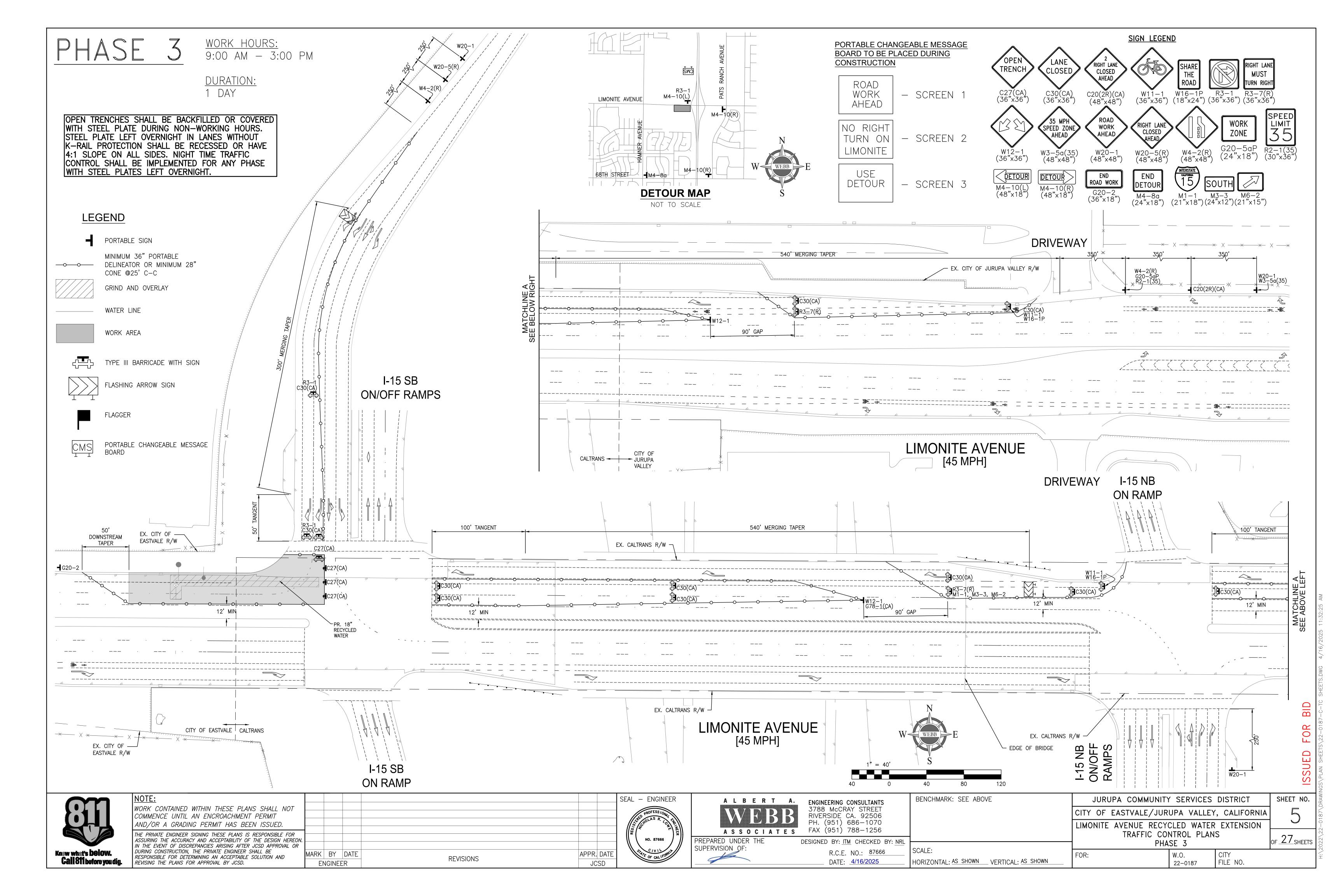
of 27_{SHEETS}

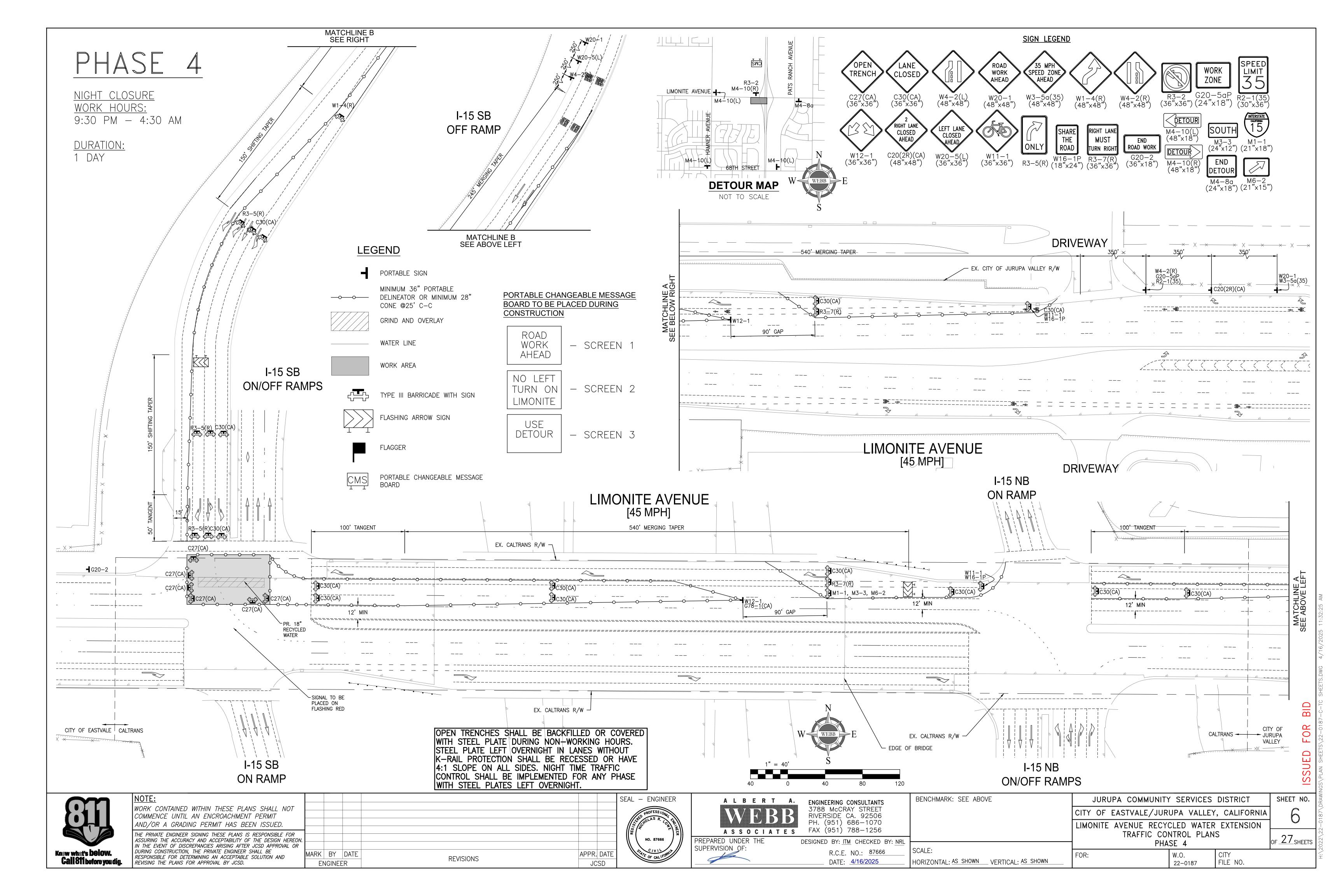
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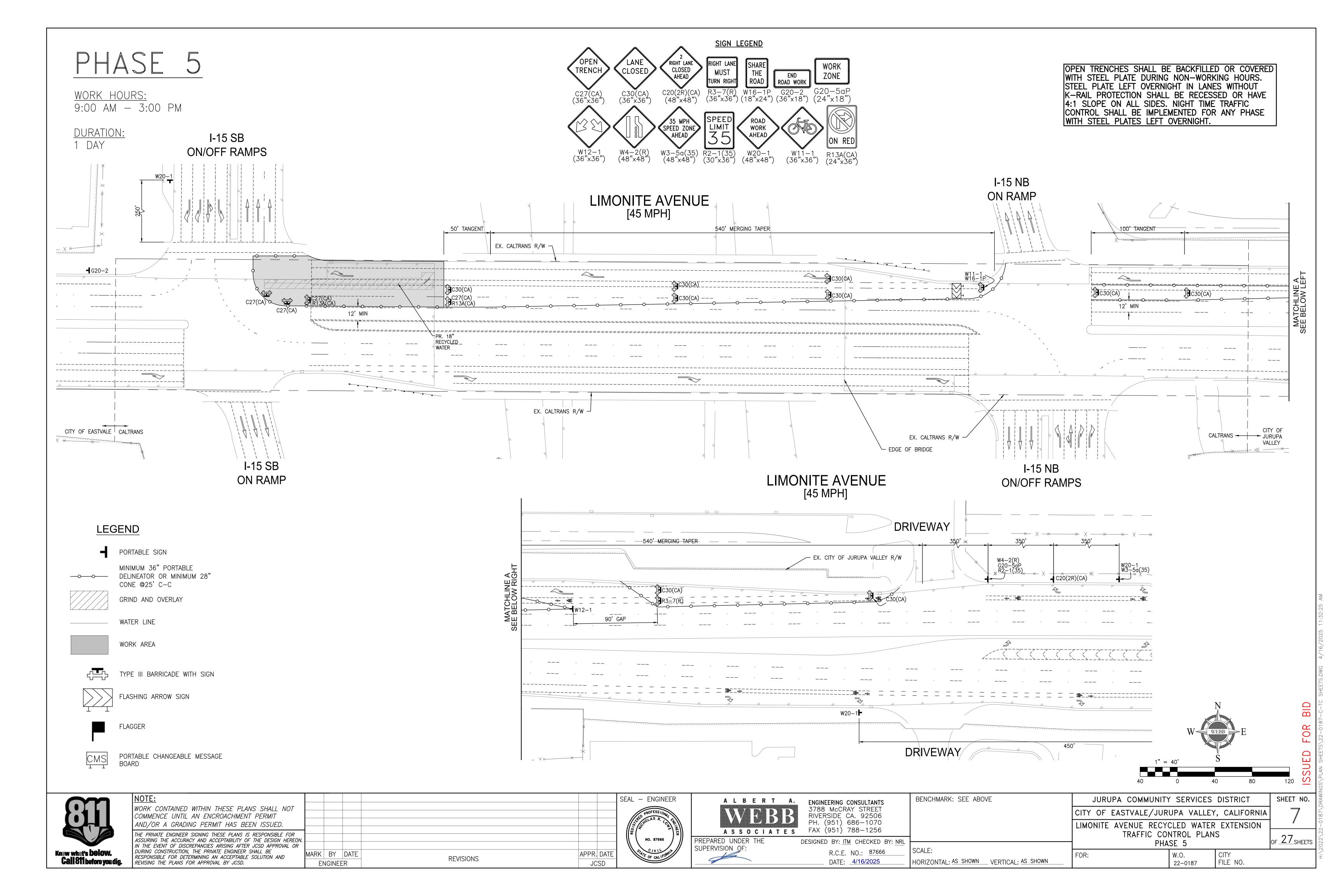


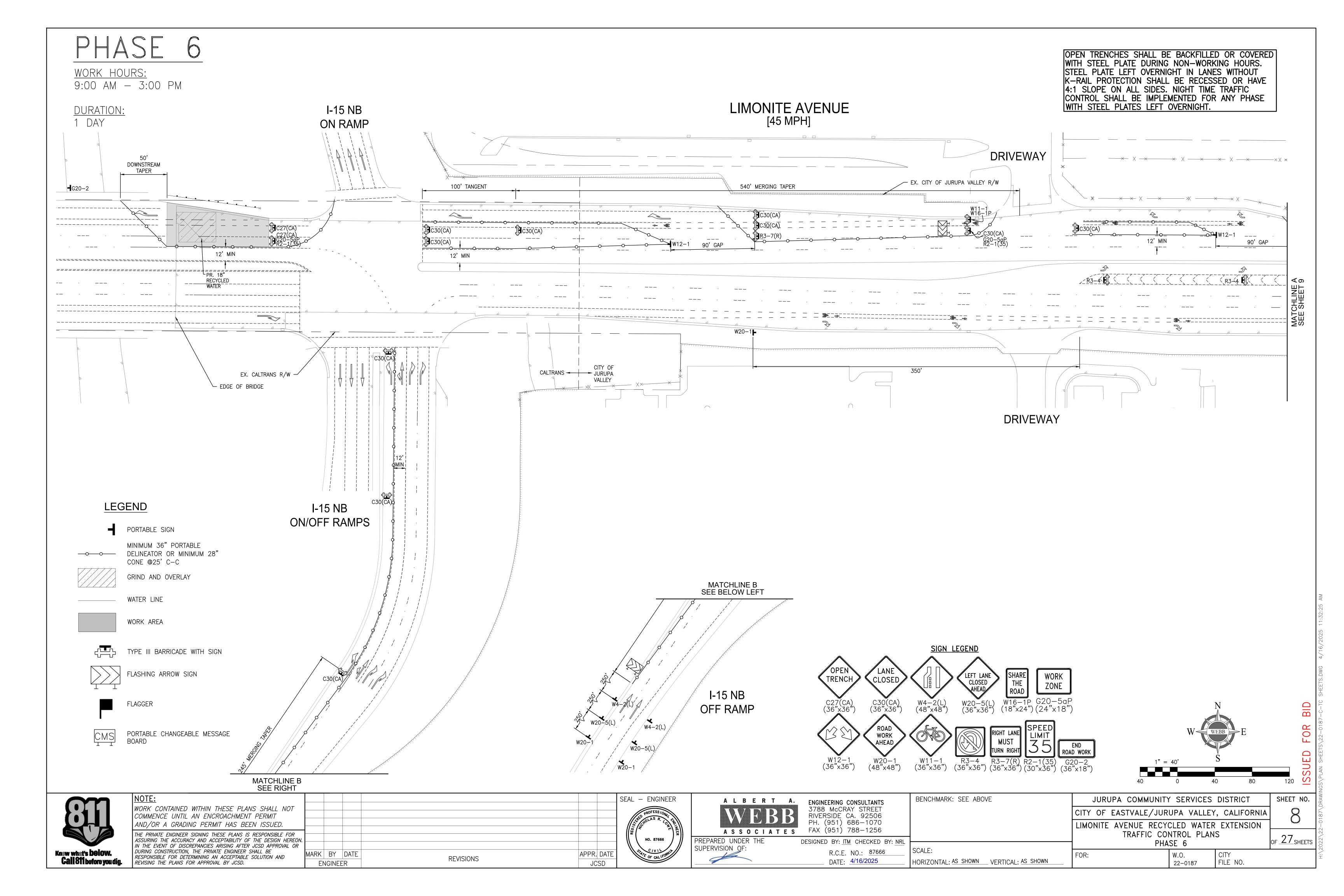




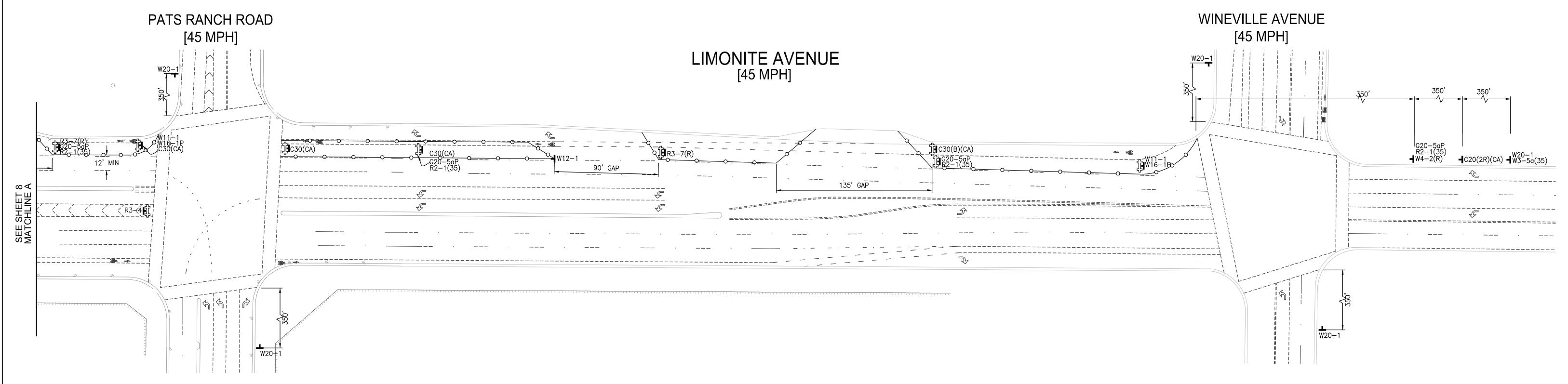








OPEN TRENCHES SHALL BE BACKFILLED OR COVERED WITH STEEL PLATE DURING NON-WORKING HOURS.
STEEL PLATE LEFT OVERNIGHT IN LANES WITHOUT K-RAIL PROTECTION SHALL BE RECESSED OR HAVE 4:1 SLOPE ON ALL SIDES. NIGHT TIME TRAFFIC CONTROL SHALL BE IMPLEMENTED FOR ANY PHASE WITH STEEL PLATES LEFT OVERNIGHT.





PORTABLE SIGN

MINIMUM 36" PORTABLE —o—o— DELINEATOR OR MINIMUM 28" CONE @25' C-C

GRIND AND OVERLAY

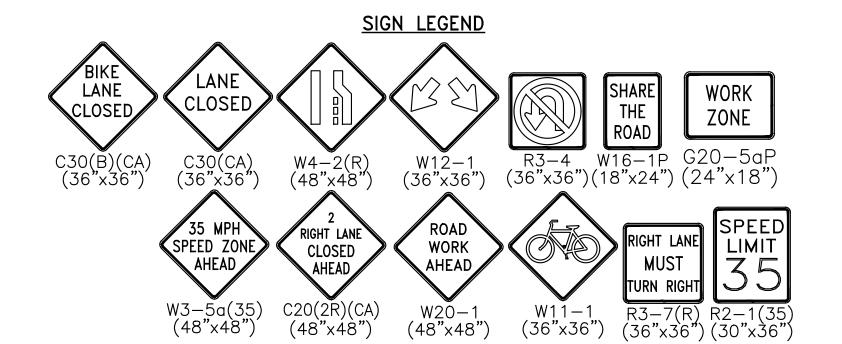
WATER LINE

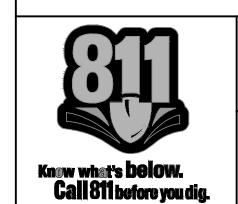
WORK AREA

TYPE III BARRICADE WITH SIGN

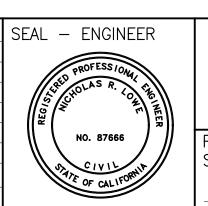
FLASHING ARROW SIGN

PORTABLE CHANGEABLE MESSAGE BOARD





WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED. THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER JCSD APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE APPR. DATE MARK BY DATE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISIONS REVISING THE PLANS FOR APPROVAL BY JCSD. ENGINEER



JCSD



ENGINEERING CONSULTANTS 3788 McCRAY STREET RIVERSIDE CA. 92506 PH. (951) 686-1070 FAX (951) 788-1256

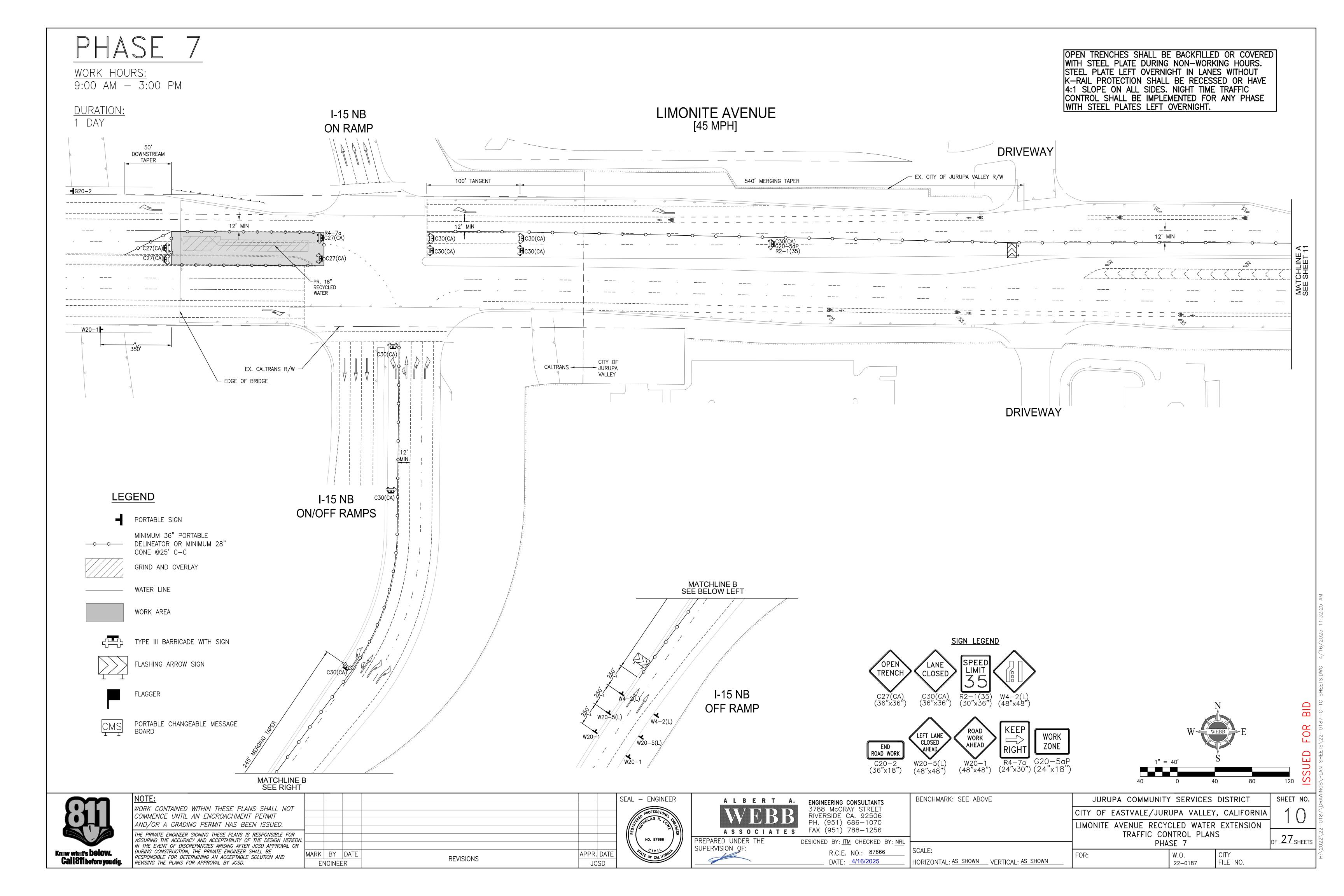
DESIGNED BY: ITM CHECKED BY: NRL R.C.E. NO.: <u>87666</u> HORIZONTAL: AS SHOWN VERTICAL: AS SHOWN DATE: <u>4/16/2025</u>

BENCHMARK: SEE ABOVE JURUPA COMMUNITY SERVICES DISTRICT CITY OF EASTVALE/JURUPA VALLEY, CALIFORNIA LIMONITE AVENUE RECYCLED WATER EXTENSION

TRAFFIC CONTROL PLANS PHASE 6

OF 27 SHEETS W.O. FILE NO. 22-0187

SHEET NO.

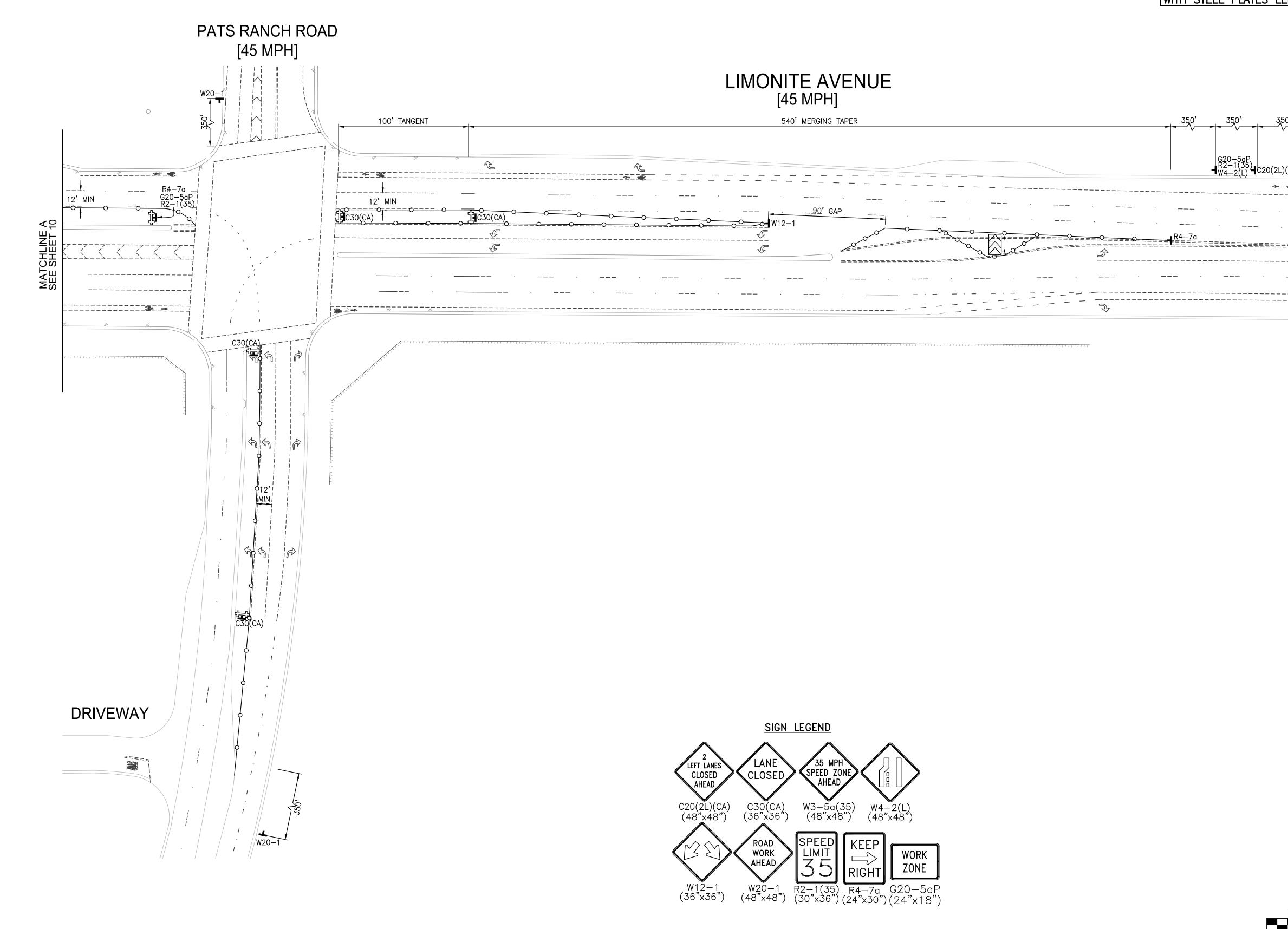


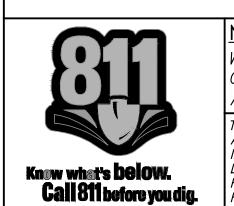
WORK HOURS:

9:00 AM - 3:00 PM

DURATION: 1 DAY

OPEN TRENCHES SHALL BE BACKFILLED OR COVERED WITH STEEL PLATE DURING NON-WORKING HOURS.
STEEL PLATE LEFT OVERNIGHT IN LANES WITHOUT K-RAIL PROTECTION SHALL BE RECESSED OR HAVE 4:1 SLOPE ON ALL SIDES. NIGHT TIME TRAFFIC CONTROL SHALL BE IMPLEMENTED FOR ANY PHASE WITH STEEL PLATES LEFT OVERNIGHT.





LEGEND

PORTABLE SIGN

—o—o— DELINEATOR OR MINIMUM 28"

WATER LINE

WORK AREA

CONE @25' C-C

GRIND AND OVERLAY

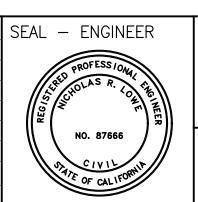
TYPE III BARRICADE WITH SIGN

PORTABLE CHANGEABLE MESSAGE BOARD

FLASHING ARROW SIGN

MINIMUM 36" PORTABLE

WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED. THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER JCSD APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE MARK BY DATE APPR. DATE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY JCSD. REVISIONS ENGINEER





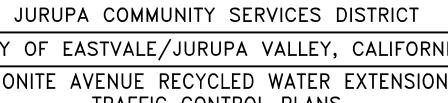


R.C.E. NO.: <u>87666</u>

DATE: <u>4/16/2025</u>

BENCHMARK: SEE ABOVE	JURUPA COMMUNITY SE
	CITY OF EASTVALE/JURUPA
	LIMONITE AVENUE RECYCLED
	TRAFFIC CONTRO
	PHASE :

HORIZONTAL: AS SHOWN VERTICAL: AS SHOWN



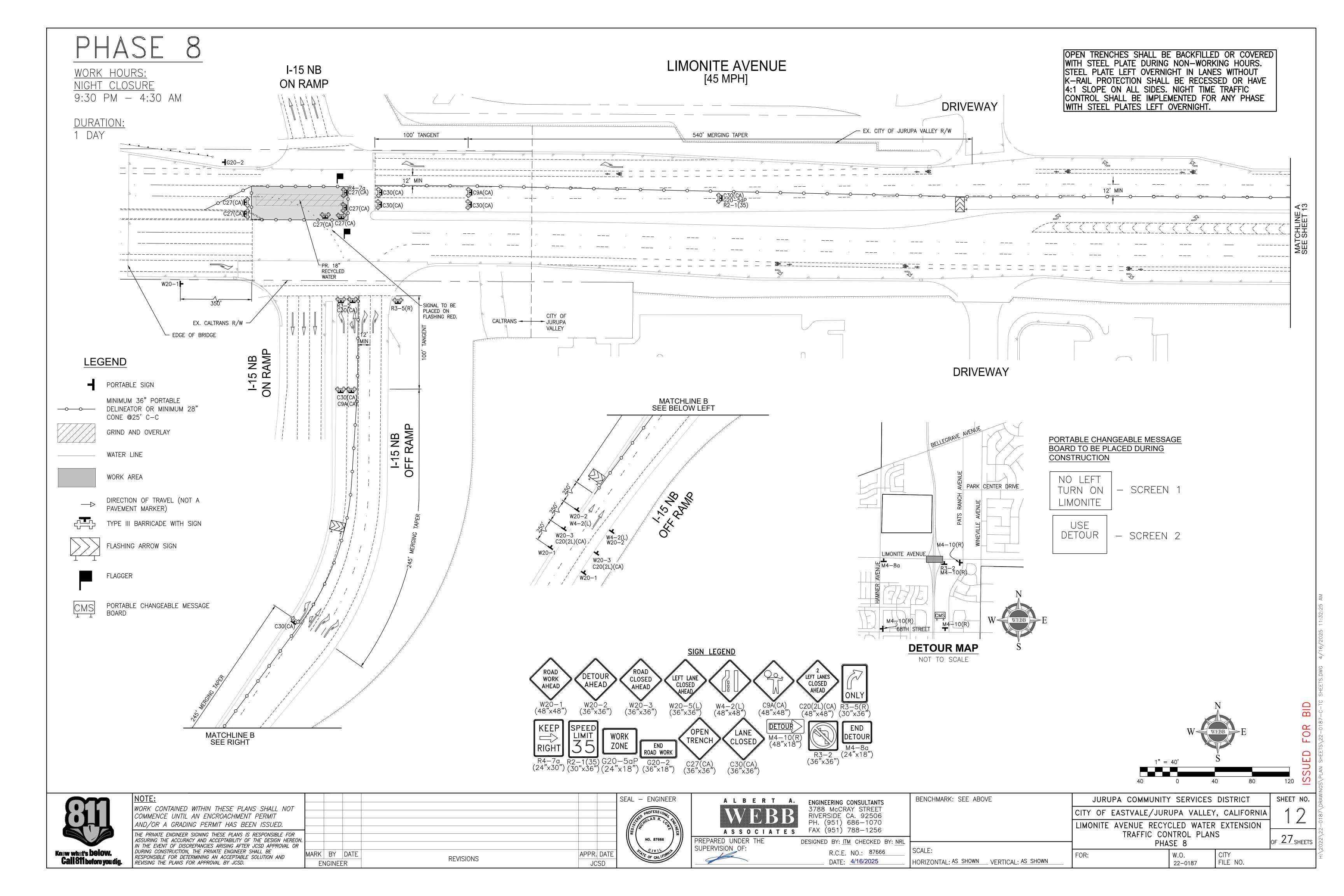
PA VALLEY, CALIFORNIA ED WATER EXTENSION ROL PLANS

22-0187

OF 27 SHEETS

SHEET NO.

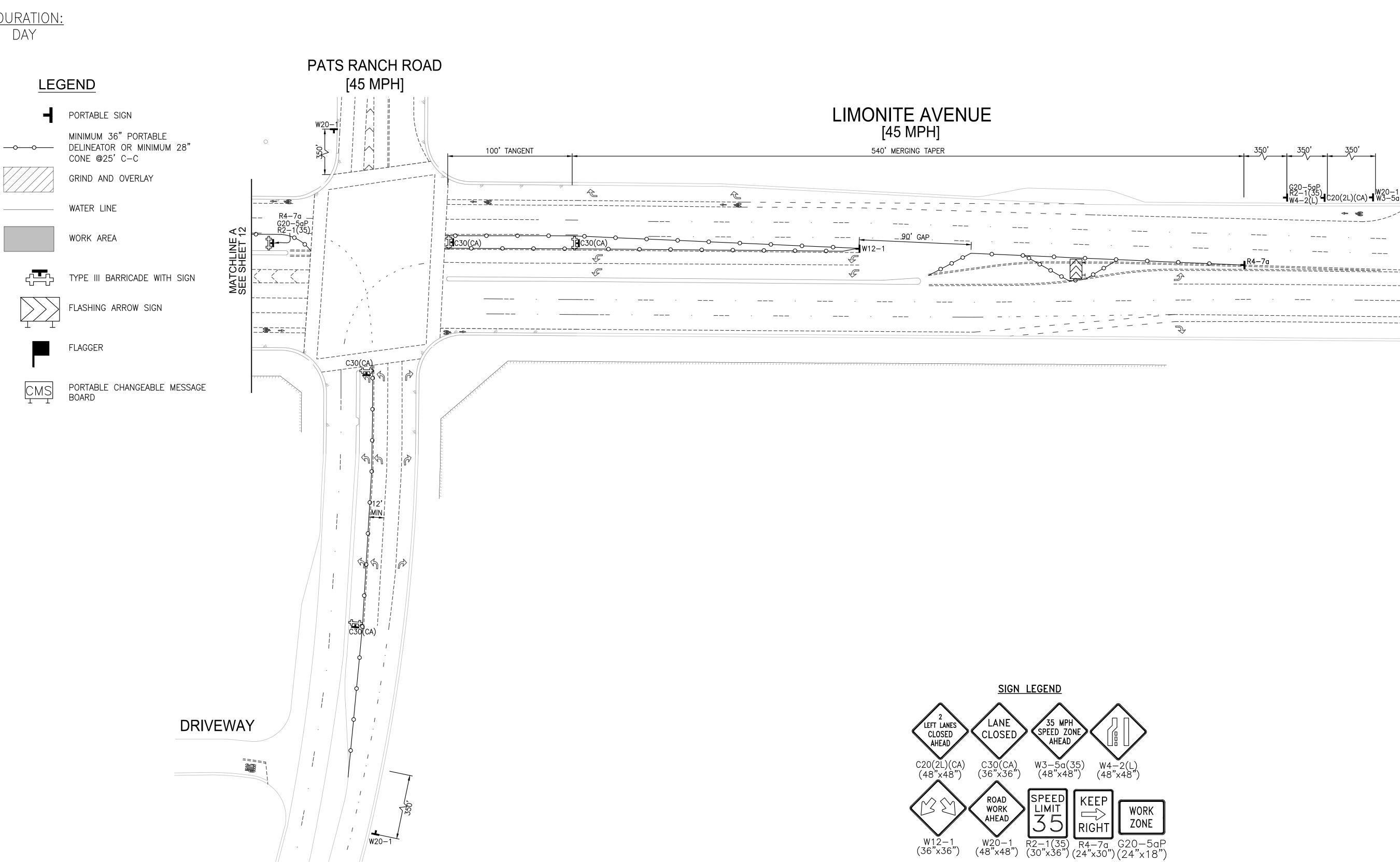
FILE NO.

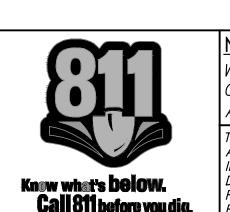


LEGEND

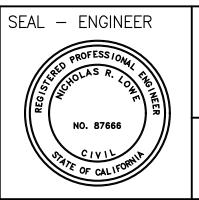
OPEN TRENCHES SHALL BE BACKFILLED OR COVERED WITH STEEL PLATE DURING NON-WORKING HOURS.
STEEL PLATE LEFT OVERNIGHT IN LANES WITHOUT K-RAIL PROTECTION SHALL BE RECESSED OR HAVE 4:1 SLOPE ON ALL SIDES. NIGHT TIME TRAFFIC CONTROL SHALL BE IMPLEMENTED FOR ANY PHASE WITH STEEL PLATES LEFT OVERNIGHT.

<u>DURATION:</u>





WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED. THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER JCSD APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE APPR. DATE MARK BY DATE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISIONS REVISING THE PLANS FOR APPROVAL BY JCSD. ENGINEER





ENGINEERING CONSULTANTS 3788 McCRAY STREET RIVERSIDE CA. 92506 PH. (951) 686-1070 FAX (951) 788-1256

DESIGNED BY: ITM CHECKED BY: NRL R.C.E. NO.: <u>87666</u> DATE: <u>4/16/2025</u>

BENCHMARK: SEE ABOVE JURUPA COMMUNITY SERVICES DISTRICT CITY OF EASTVALE/JURUPA VALLEY, CALIFORNIA LIMONITE AVENUE RECYCLED WATER EXTENSION

TRAFFIC CONTROL PLANS PHASE 8

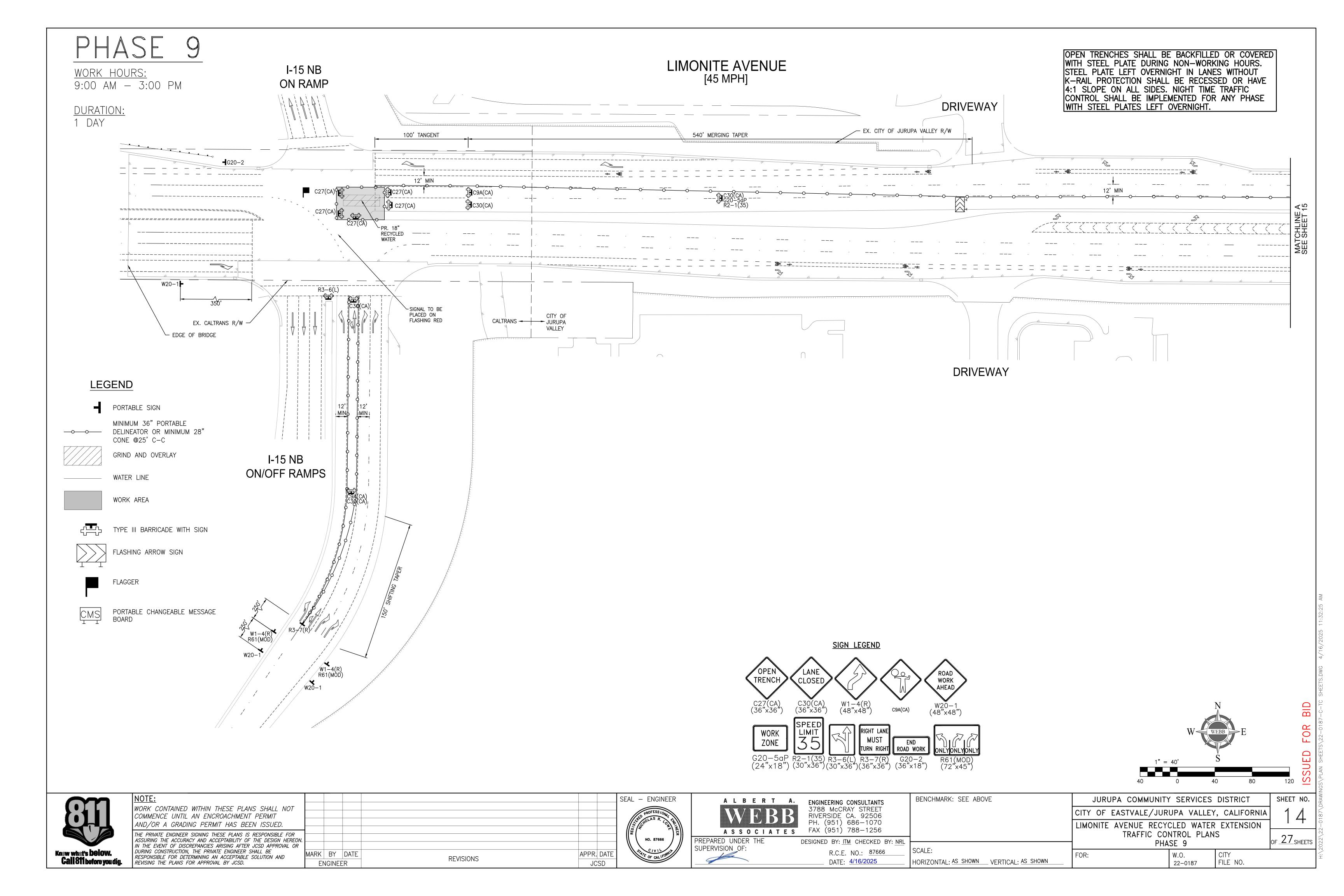
22-0187

FILE NO.

OF 27 SHEETS

HORIZONTAL: AS SHOWN VERTICAL: AS SHOWN

SHEET NO.

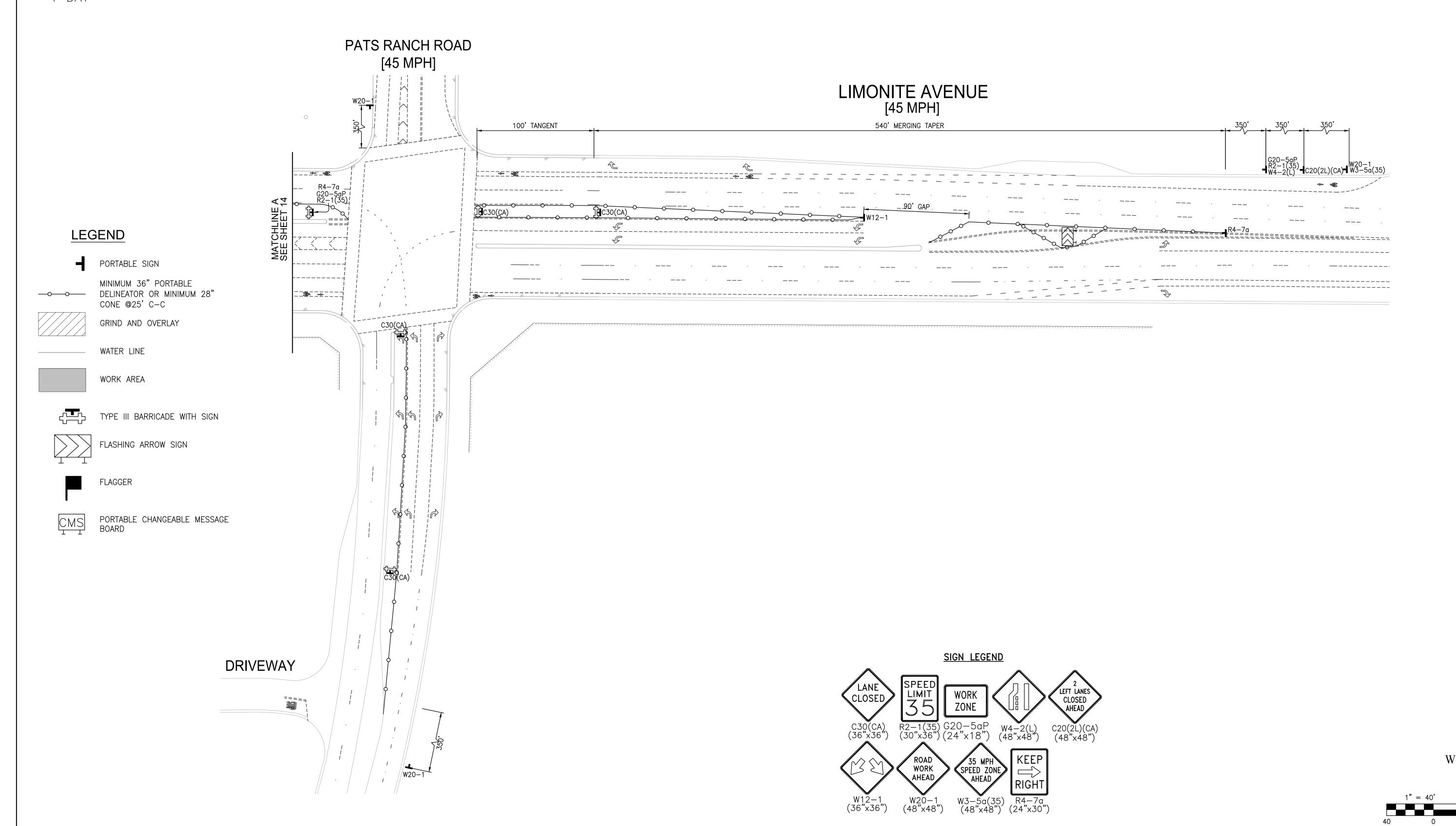


WORK HOURS:

9:00 AM - 3:00 PM

DURATION: 1 DAY

OPEN TRENCHES SHALL BE BACKFILLED OR COVERED WITH STEEL PLATE DURING NON-WORKING HOURS.
STEEL PLATE LEFT OVERNIGHT IN LANES WITHOUT K-RAIL PROTECTION SHALL BE RECESSED OR HAVE 4:1 SLOPE ON ALL SIDES. NIGHT TIME TRAFFIC CONTROL SHALL BE IMPLEMENTED FOR ANY PHASE WITH STEEL PLATES LEFT OVERNIGHT.





WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED. THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER JCSD APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE APPR. DATE MARK BY DATE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISIONS REVISING THE PLANS FOR APPROVAL BY JCSD. ENGINEER







R.C.E. NO.: <u>87666</u>

DATE: <u>4/16/2025</u>

CALE:			

HORIZONTAL: AS SHOWN VERTICAL: AS SHOWN

BENCHMARK: SEE ABOVE

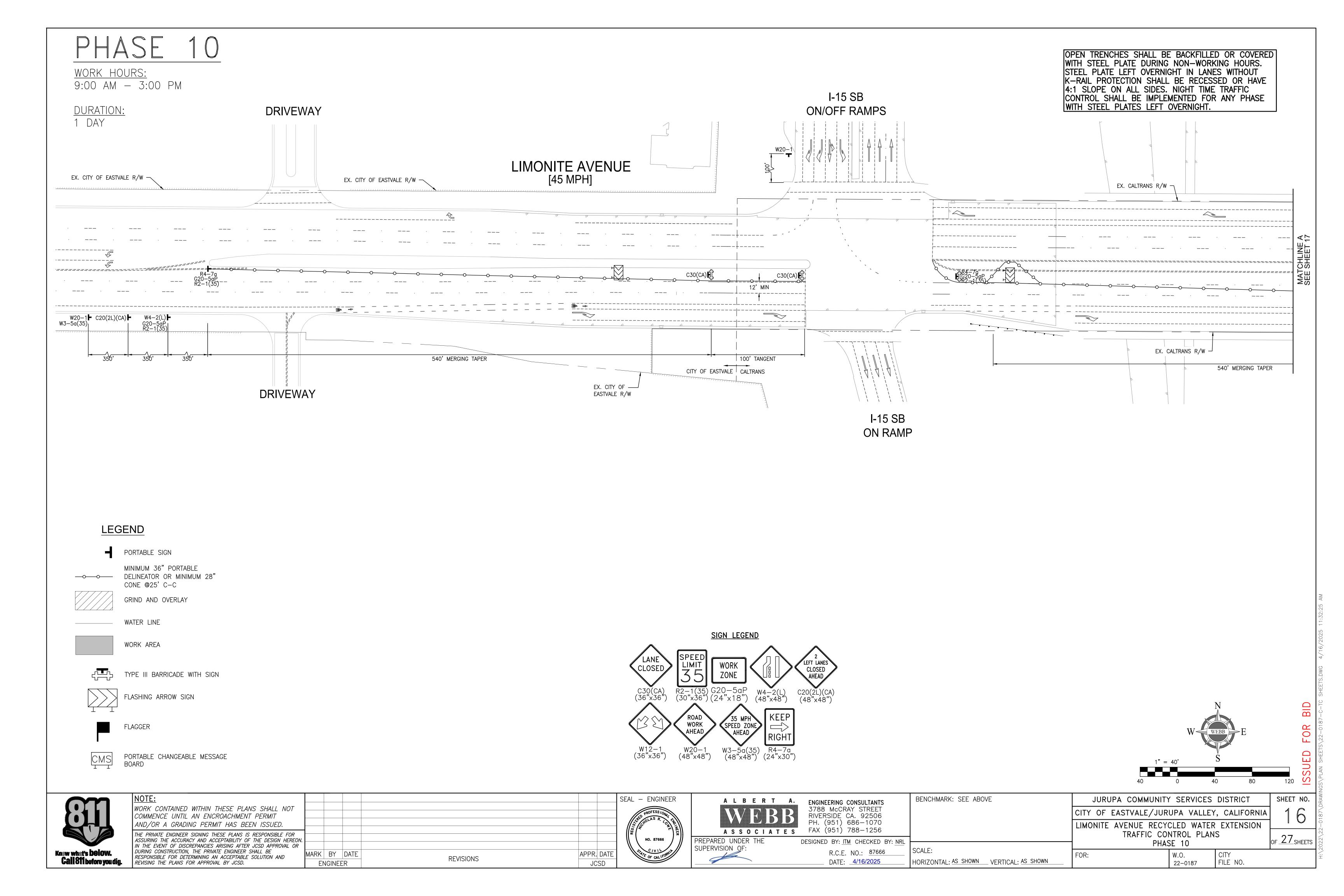
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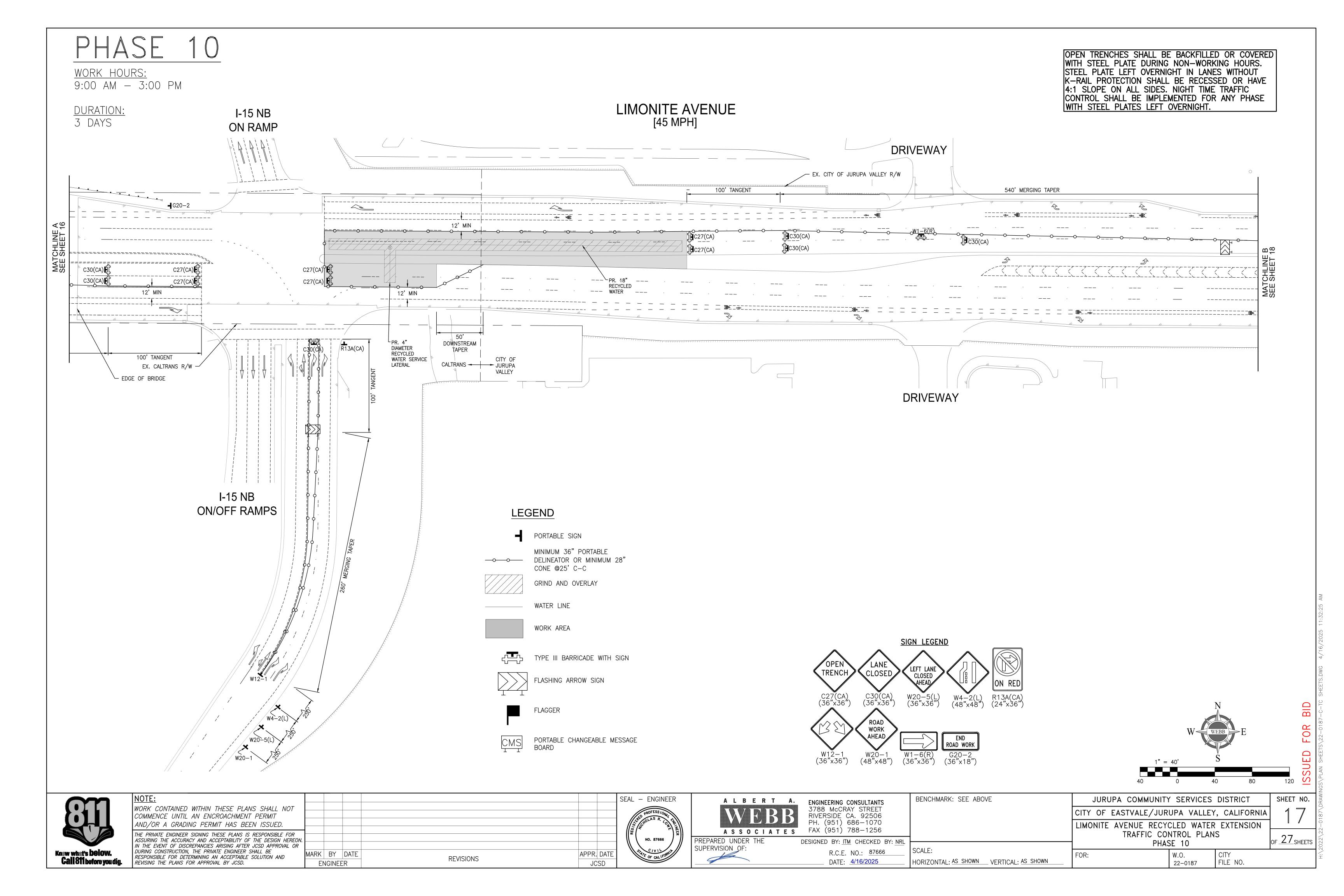
22-0187

TRAFFIC CUNTRUL PLANS PHASE 9

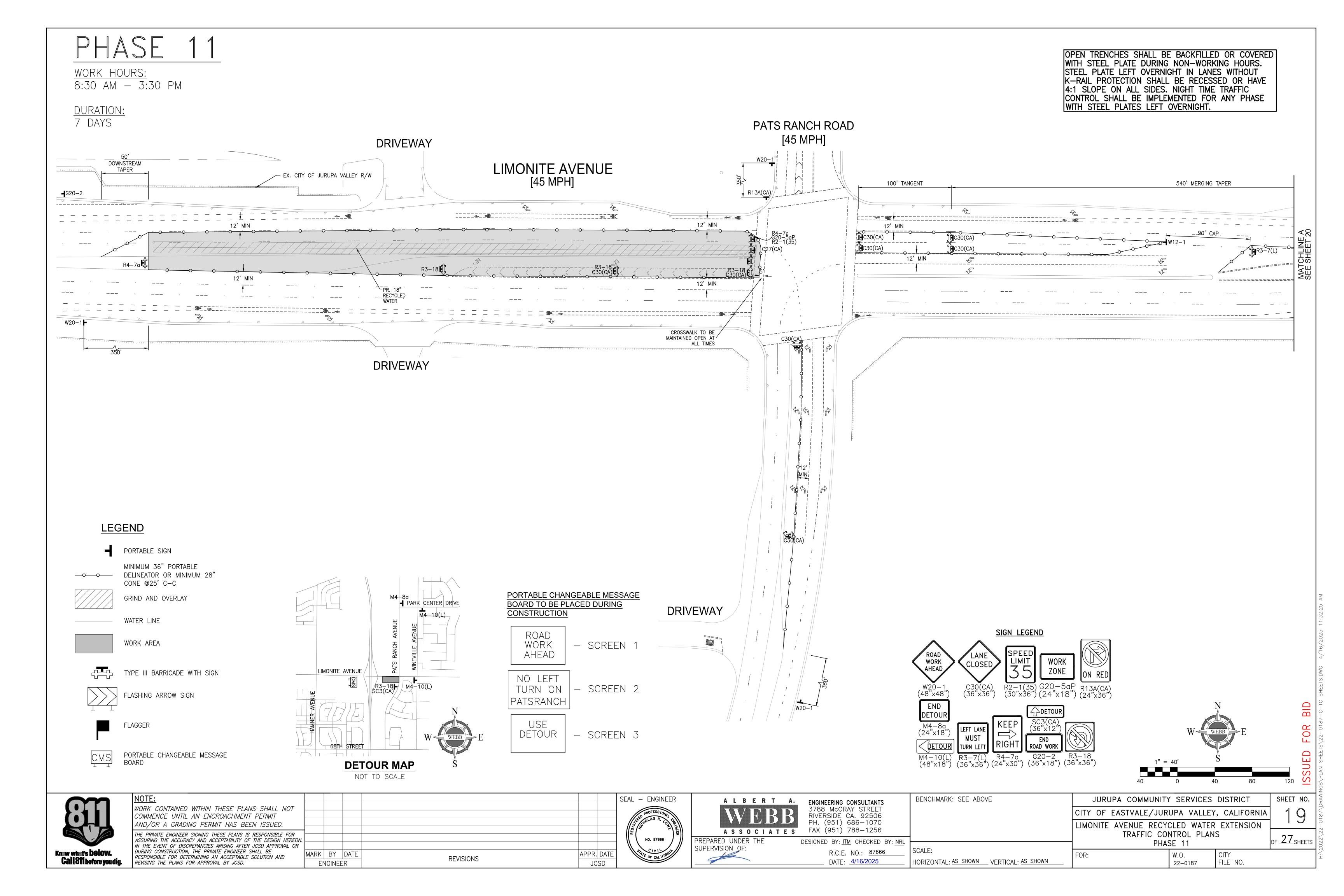
FILE NO.

OF 27 SHEETS



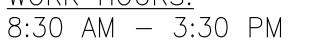


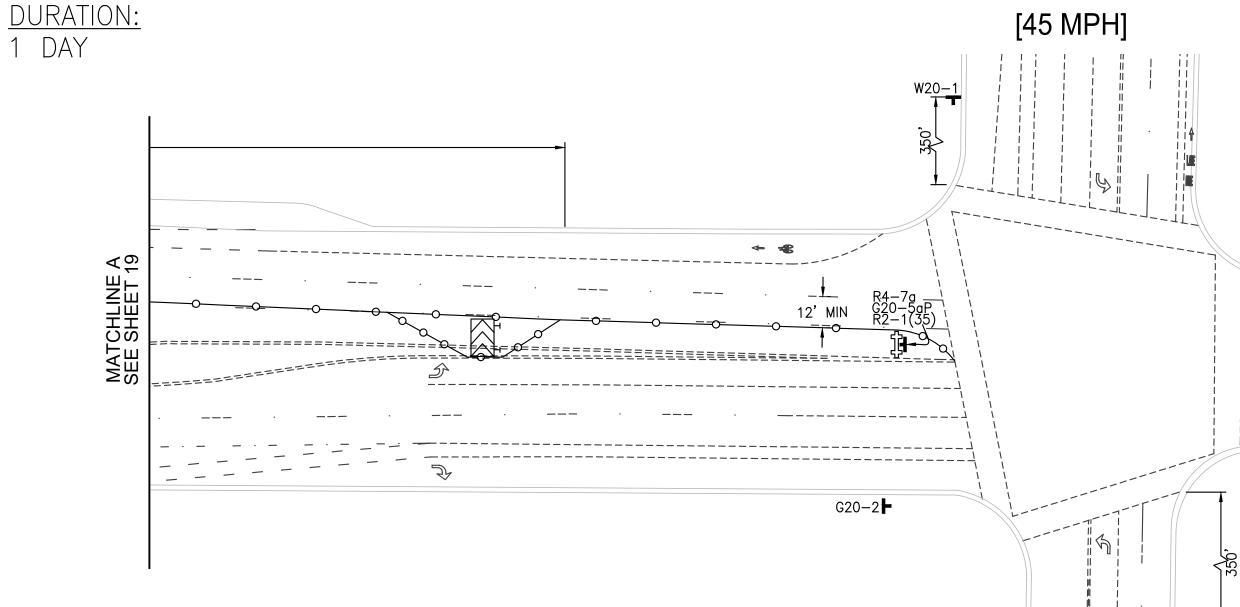
PHASE 10 WITH STEEL PLATE DURING NON-WORKING HOURS. STEEL PLATE LEFT OVERNIGHT IN LANES WITHOUT **WORK HOURS:** K-RAIL PROTECTION SHALL BE RECESSED OR HAVE 9:00 AM - 3:00 PM4:1 SLOPE ON ALL SIDES. NIGHT TIME TRAFFIC CONTROL SHALL BE IMPLEMENTED FOR ANY PHASE PATS RANCH ROAD [45 MPH] WITH STEEL PLATES LEFT OVERNIGHT. <u>DURATION:</u> LIMONITE AVENUE [45 MPH] 350' 350' 350' 100' TANGENT 540' MERGING TAPER G20-2 LEGEND PORTABLE SIGN MINIMUM 36" PORTABLE —o—o— DELINEATOR OR MINIMUM 28" CONE @25' C-C GRIND AND OVERLAY DRIVEWAY WATER LINE WORK AREA SIGN LEGEND TYPE III BARRICADE WITH SIGN FLASHING ARROW SIGN R2-1(35) G20-5aP W4-2(L) (30"x36") (24"x18") (48"x48") FLAGGER PORTABLE CHANGEABLE MESSAGE BOARD SHEET NO. SEAL - ENGINEER BENCHMARK: SEE ABOVE JURUPA COMMUNITY SERVICES DISTRICT ALBERT A. ENGINEERING CONSULTANTS WORK CONTAINED WITHIN THESE PLANS SHALL NOT 3788 McCRAY STREET CITY OF EASTVALE/JURUPA VALLEY, CALIFORNIA RIVERSIDE CA. 92506 COMMENCE UNTIL AN ENCROACHMENT PERMIT PH. (951) 686-1070 AND/OR A GRADING PERMIT HAS BEEN ISSUED. LIMONITE AVENUE RECYCLED WATER EXTENSION FAX (951) 788-1256 ASSOCIATES TRAFFIC CONTROL PLANS THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR OF 27 SHEETS ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. PREPARED UNDER THE DESIGNED BY: ITM CHECKED BY: NRL PHASE 10 IN THE EVENT OF DISCREPANCIES ARISING AFTER JCSD APPROVAL OR SUPERVISION OF: Know what's **below. Call 811 before you dig.** DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE R.C.E. NO.: <u>87666</u> MARK BY DATE APPR. DATE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISIONS HORIZONTAL: AS SHOWN VERTICAL: AS SHOWN FILE NO. DATE: <u>4/16/2025</u> REVISING THE PLANS FOR APPROVAL BY JCSD. JCSD 22-0187 ENGINEER



WORK HOURS:

8:30 AM - 3:30 PM

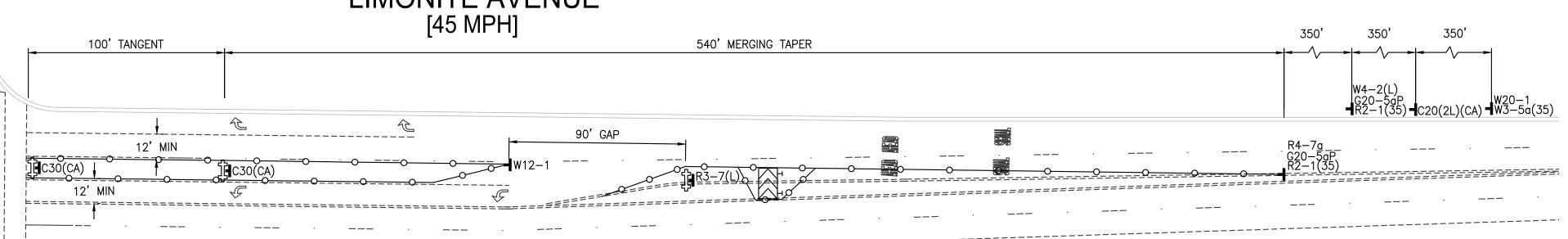




WINEVILLE AVENUE

OPEN TRENCHES SHALL BE BACKFILLED OR COVERED WITH STEEL PLATE DURING NON-WORKING HOURS.
STEEL PLATE LEFT OVERNIGHT IN LANES WITHOUT K-RAIL PROTECTION SHALL BE RECESSED OR HAVE 4:1 SLOPE ON ALL SIDES. NIGHT TIME TRAFFIC CONTROL SHALL BE IMPLEMENTED FOR ANY PHASE WITH STEEL PLATES LEFT OVERNIGHT.

LIMONITE AVENUE [45 MPH]



LEGEND

PORTABLE SIGN

MINIMUM 36" PORTABLE —o—o— DELINEATOR OR MINIMUM 28" CONE @25' C-C

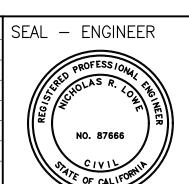
GRIND AND OVERLAY

WATER LINE

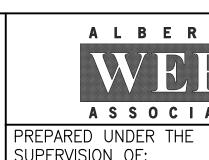
WORK AREA

TYPE III BARRICADE WITH SIGN

PORTABLE CHANGEABLE MESSAGE

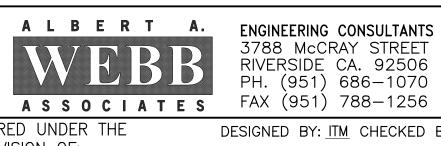


C30(CA) R2-1(35) G20-5aP W4-2(L) (36"x36") (30"x36") (24"x18") (48"x48")



SIGN LEGEND

35 MPH SPEED ZONE



-1256	
HECKED BY: NRL	
.: <u>87666</u>	SCALE:
6/2025	HORIZON

BENCHMARK: SEE ABOVE	JURUPA COMMUNITY SERVICES DISTRICT
	CITY OF EASTVALE/JURUPA VALLEY, CALIFORNIA
	LIMONITE AVENUE RECYCLED WATER EXTENSION
	TRAFFIC CONTROL PLANS
	† PHASE 11

SHEET NO.

OF 27 SHEETS



WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED. THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER JCSD APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE APPR. DATE MARK BY DATE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISIONS REVISING THE PLANS FOR APPROVAL BY JCSD. ENGINEER

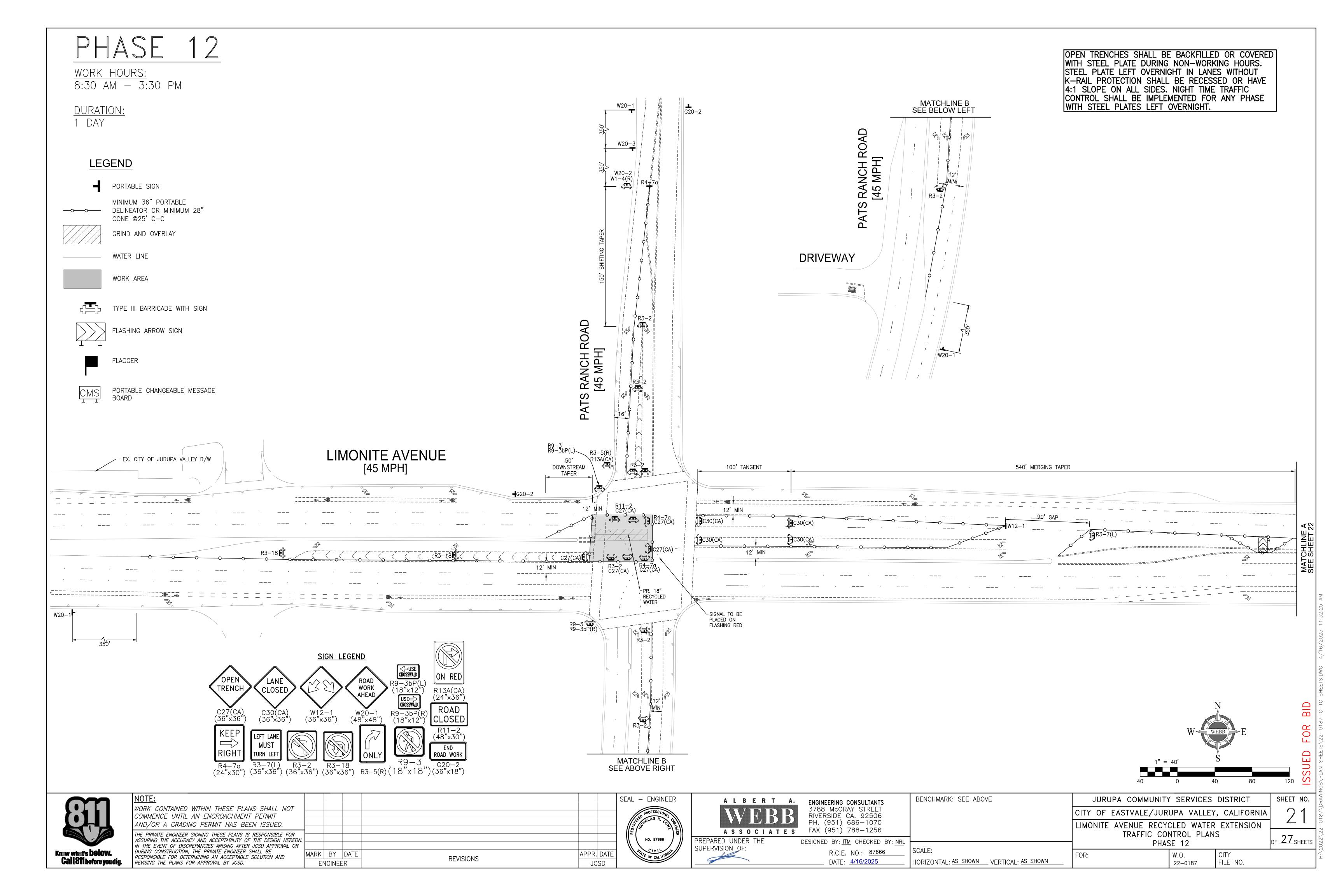
SUPERVISION_OF:

R.C.E. NO.: DATE: 4/16/

NTAL: AS SHOWN VERTICAL: AS SHOWN

CITY FILE NO.

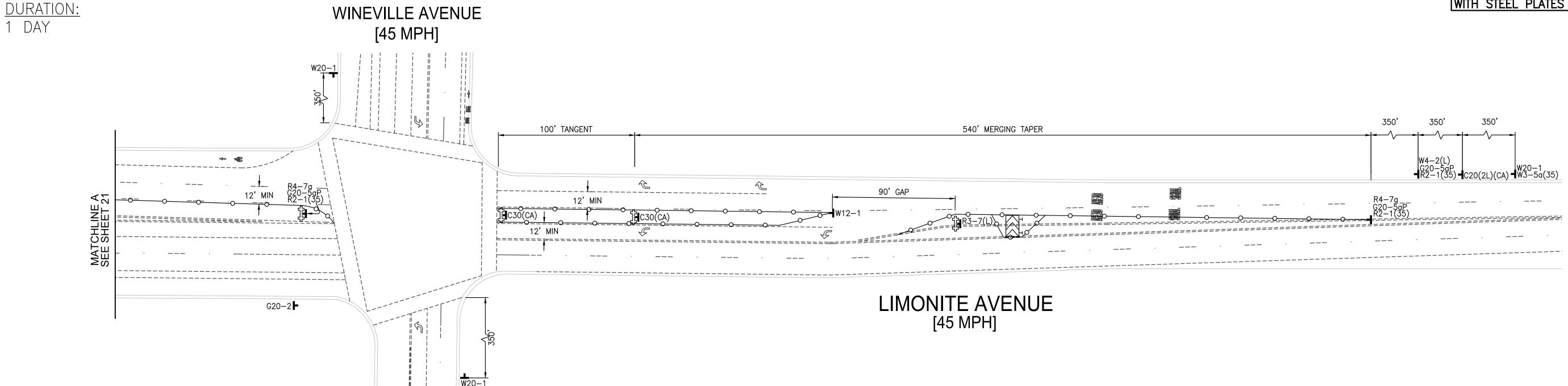
22-0187



WORK HOURS:

8:30 AM — 3:30 PM

WITH STEEL PLATE DURING NON-WORKING HOURS.
STEEL PLATE LEFT OVERNIGHT IN LANES WITHOUT
K-RAIL PROTECTION SHALL BE RECESSED OR HAVE
4:1 SLOPE ON ALL SIDES. NIGHT TIME TRAFFIC
CONTROL SHALL BE IMPLEMENTED FOR ANY PHASE
WITH STEEL PLATES LEFT OVERNIGHT.





PORTABLE SIGN

MINIMUM 36" PORTABLE

DELINEATOR OR MINIMUM 28"

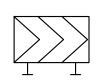
CONE @25' C-C

GRIND AND OVERLAY

WATER LINE



TYPE III BARRICADE WITH SIGN



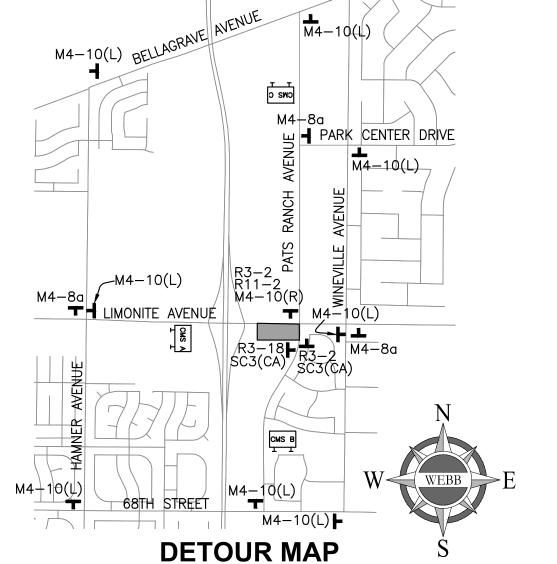
FLASHING ARROW SIGN



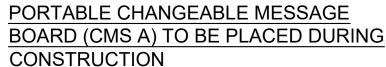
FLAGGER

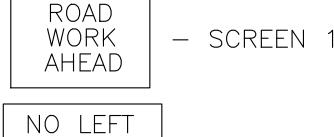


PORTABLE CHANGEABLE MESSAGE BOARD



NOT TO SCALE

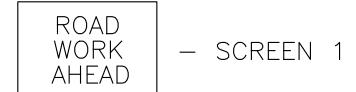




TURN ON — SCREEN 2
PATSRANCH

USE DETOUR - SCREEN 3

PORTABLE CHANGEABLE MESSAGE BOARD (CMS B) TO BE PLACED DURING CONSTRUCTION



NO LEFT TURN ON - SCREEN 2 LIMONITE

USE DETOUR - SCREEN 3

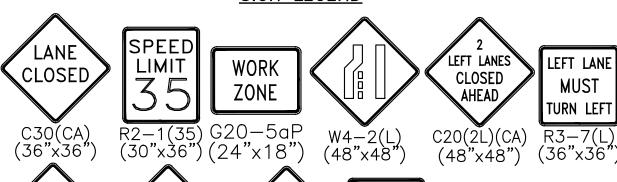
PORTABLE CHANGEABLE MESSAGE BOARD (CMS C) TO BE PLACED DURING CONSTRUCTION

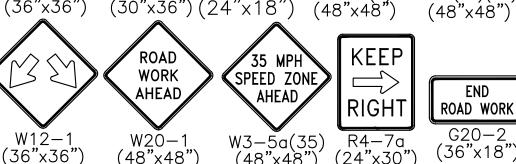
ROAD CLOSED — SCREEN 1 AHEAD &

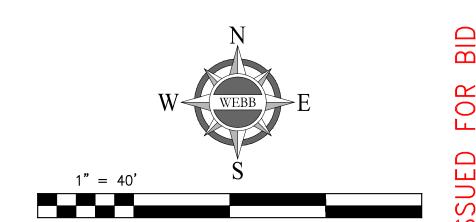
NO LEFT TURN ON — SCREEN 2 LIMONITE

USE DETOUR - SCREEN 3

SIGN LEGEND







FILE NO.

W.O.

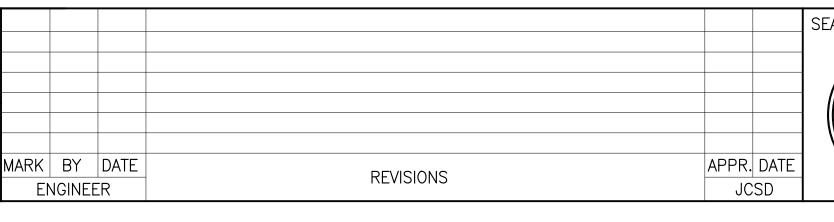
22-0187

811
Know what's below. Call 811 before you dig.

WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER JCSD APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND

REVISING THE PLANS FOR APPROVAL BY JCSD.







ENGINEERING CONSULTANTS
3788 McCRAY STREET
RIVERSIDE CA. 92506
PH. (951) 686-1070
FAX (951) 788-1256

1700 (001) 700 1200	
DESIGNED BY: ITM CHECKED BY: NRL	
DESIGNED DI: TIME OFFECTED DI: TIME	
R.C.E. NO.: 87666	SCALE:
	40 01101111
DATE: <u>4/16/2025</u>	HORIZONTAL: AS SHOWN VERTICAL: AS SHOWN

BENCHMARK: SEE ABOVE

JURUPA COMMUNITY SERVICES DISTRICT

CITY OF EASTVALE/JURUPA VALLEY, CALIFORNIA

LIMONITE AVENUE RECYCLED WATER EXTENSION

TRAFFIC CONTROL PLANS

PHASE 12

SHEET NO.

27

SHEETS SHEETS

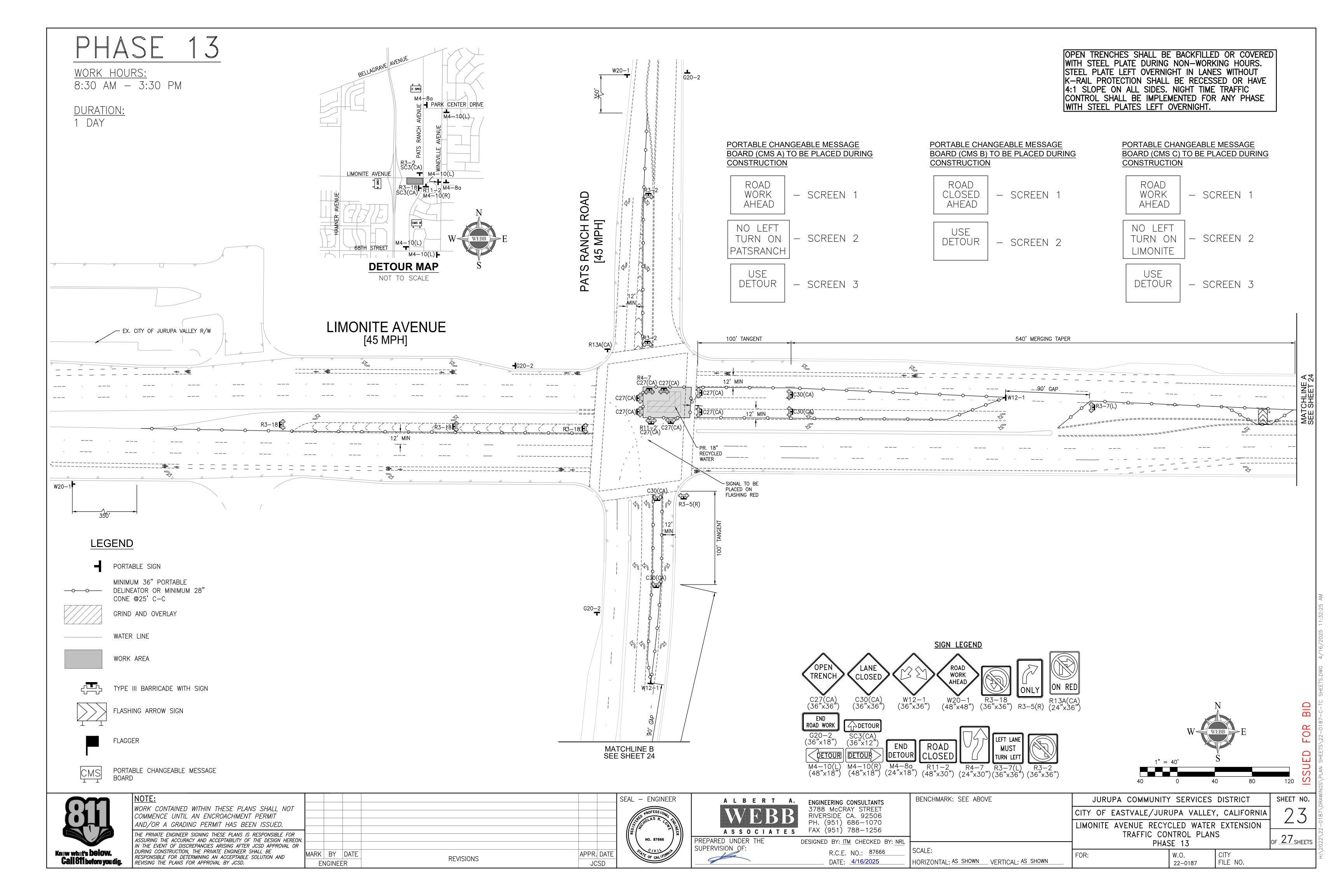
27

SHEETS

SHEETS

SHEETS

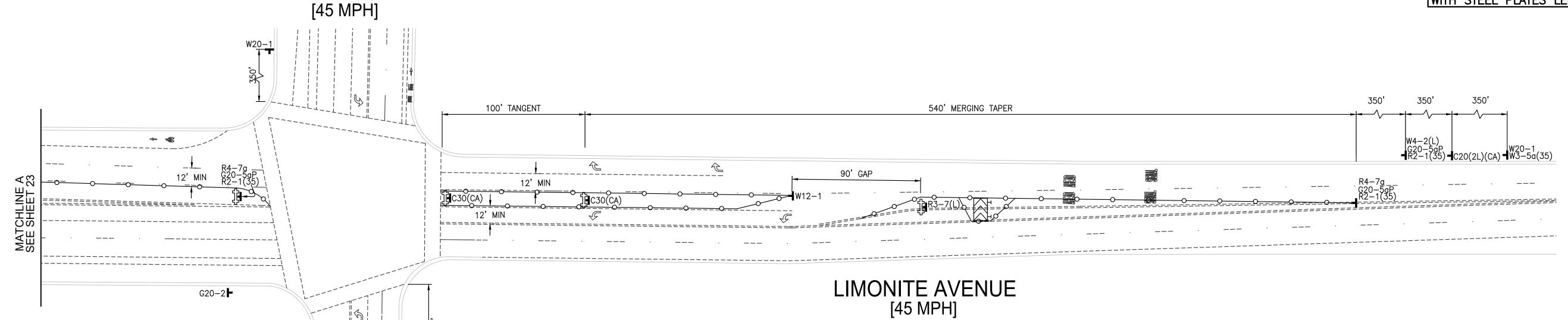
SHEETS



DURATION:

1 DAY

OPEN TRENCHES SHALL BE BACKFILLED OR COVERED WITH STEEL PLATE DURING NON-WORKING HOURS. STEEL PLATE LEFT OVERNIGHT IN LANES WITHOUT K-RAIL PROTECTION SHALL BE RECESSED OR HAVE 4:1 SLOPE ON ALL SIDES. NIGHT TIME TRAFFIC CONTROL SHALL BE IMPLEMENTED FOR ANY PHASE WITH STEEL PLATES LEFT OVERNIGHT.



LEGEND

PORTABLE SIGN

MINIMUM 36" PORTABLE —o—o— DELINEATOR OR MINIMUM 28"

CONE @25' C-C GRIND AND OVERLAY

WATER LINE

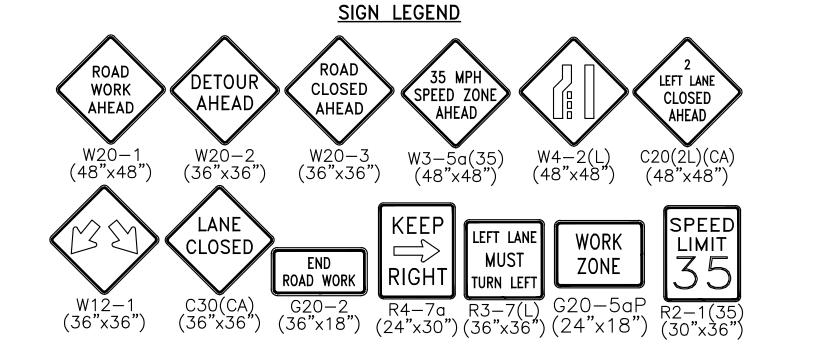
WORK AREA

TYPE III BARRICADE WITH SIGN

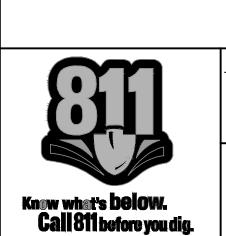
FLASHING ARROW SIGN

FLAGGER

PORTABLE CHANGEABLE MESSAGE BOARD

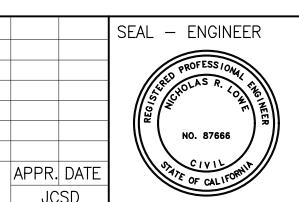


JCSD

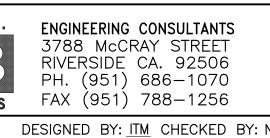


WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED. THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER JCSD APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE MARK BY DATE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISIONS REVISING THE PLANS FOR APPROVAL BY JCSD. ENGINEER

WINEVILLE AVENUE







(931) 700 1200	
ED BY: ITM CHECKED BY: NRL	
R.C.E. NO.: <u>87666</u>	SCALE:
DATE: <u>4/16/2025</u>	HORIZONTAL: AS SHOWN VERTICAL: AS SHOWN

/W20-

BENCHMARK: SEE ABOVE JURUPA COMMUNITY SERVICES DISTRICT CITY OF EASTVALE/JURUPA VALLEY, CALIFORNIA LIMONITE AVENUE RECYCLED WATER EXTENSION TRAFFIC CONTROL PLANS

MATCHLINE B SEE SHEET 24

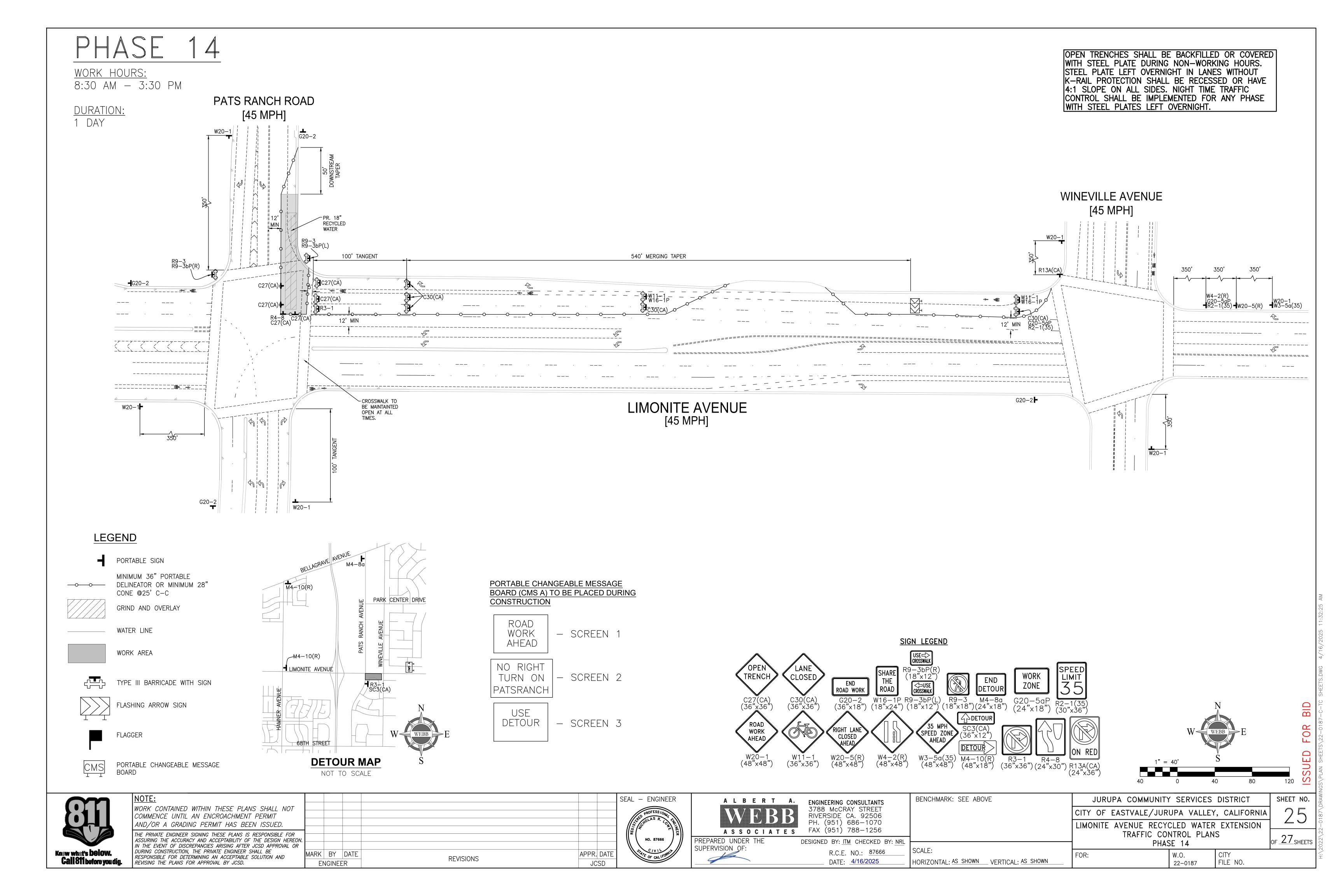
DRIVEWAY

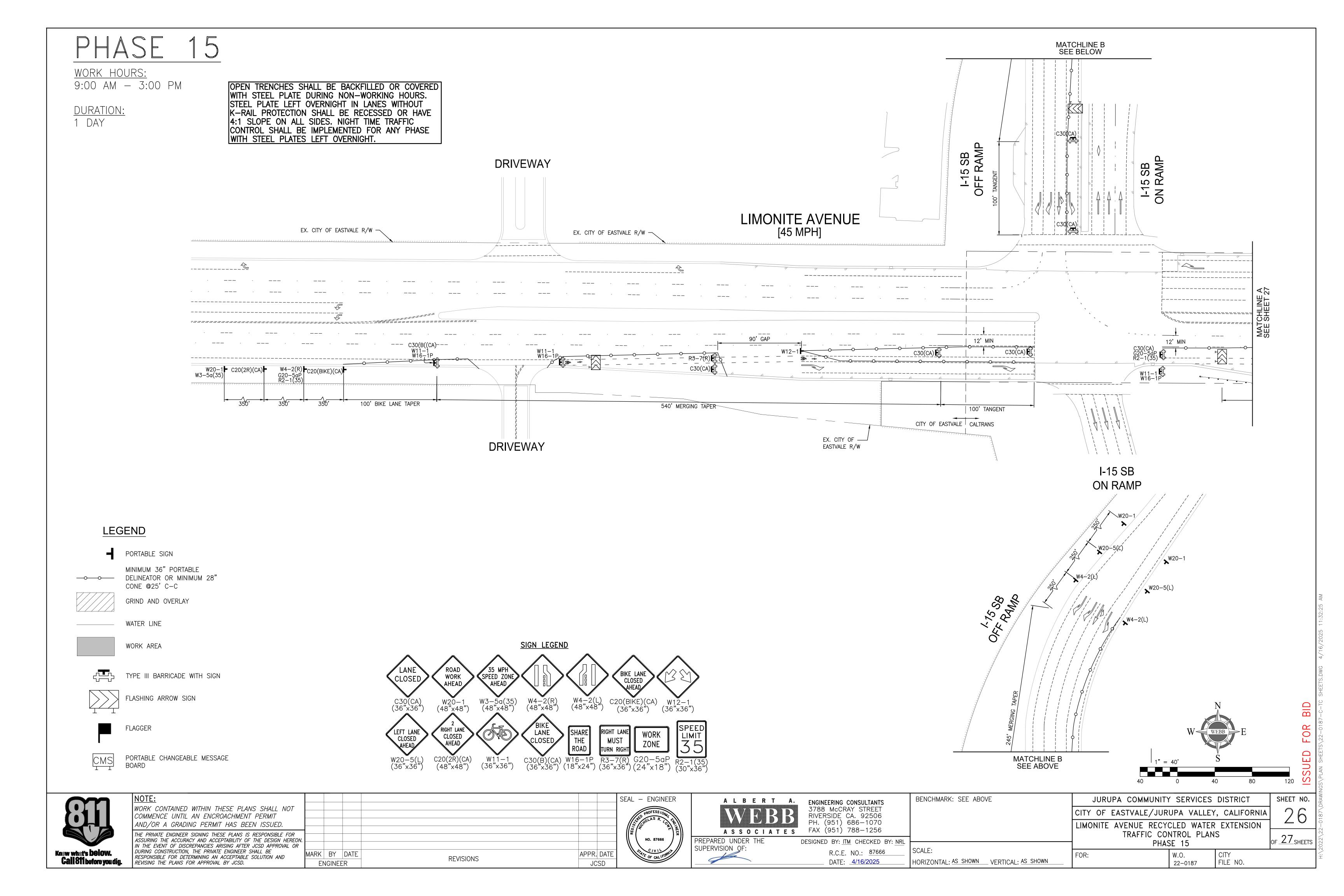
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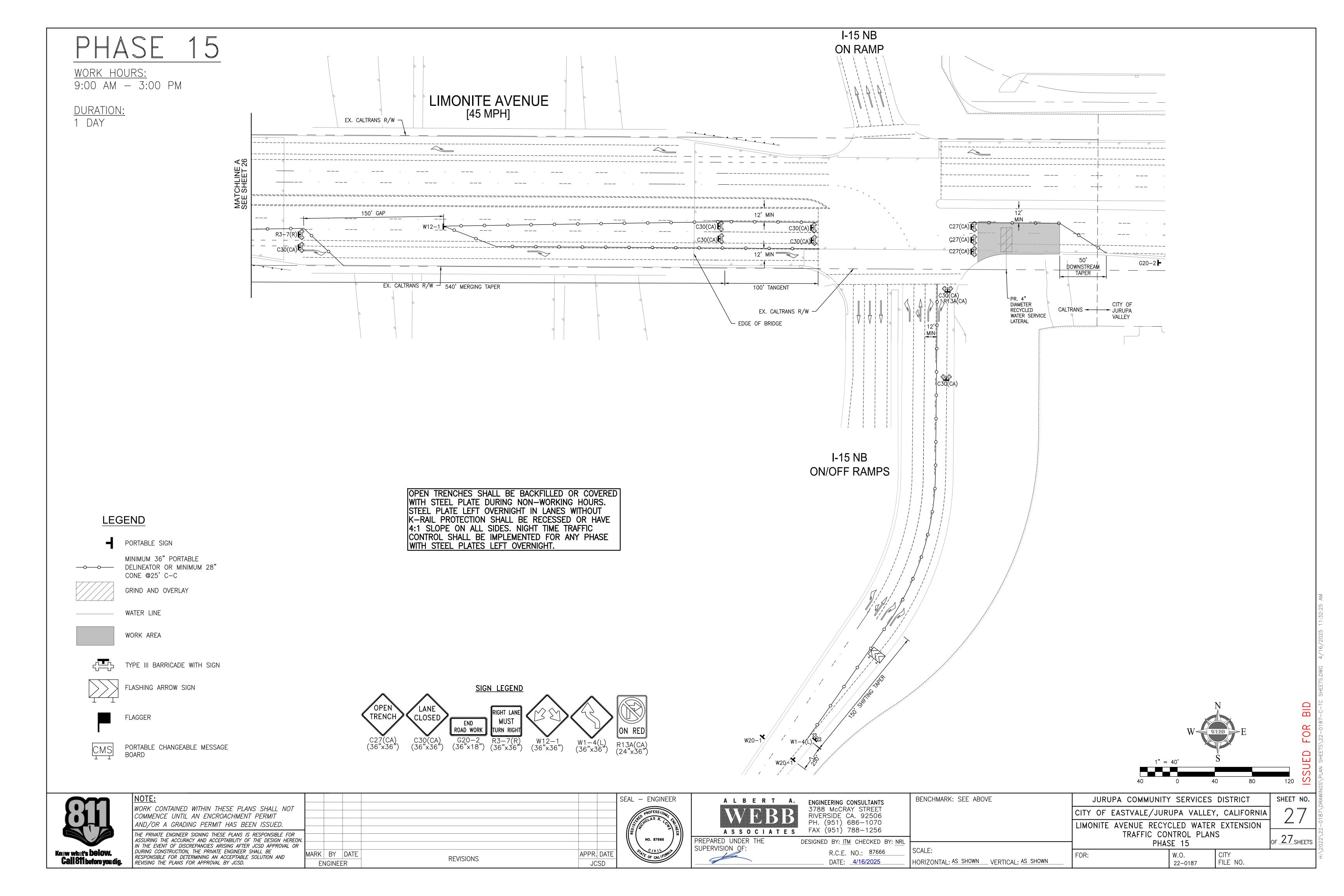
OF 27 SHEETS PHASE 13

W.O. FILE NO. 22-0187

FOR 120 SHEET NO.







ATTACHMENT F



Recycled Water Program – Pipeline Segment 2



Agenda

- JCSD Team
- Key Bid Dates
- Regional Recycled Water Program Overview
- Pipeline Segment 2 Overview
- Grant Funding Requirements
- Plan Holders List / Sign In Sheet



JCSD Team

- JCSD
 - Scott Lynch Program Manager
 - Walter Cano Assist Project Manager
 - Luis Zaldivar Project Partners
 - Keith Backus CM Lead for JCSD
- Design: Albert A. WEBB Associates
 - PM: Shane Bloomfield
- Construction Management:
 - MWH/Michael Baker (CM/Inspection)
 - Dennis Brown Program PM
 - Aaron Singer Pipelines PM
 - Dave Dismang Project Controls
 - Ninyo & Moore Geotechnical Inspection
- Funding Compliance: John Robinson
- Onsite Customer Conversions: John Robinson
- Labor Compliance: The Solis Group (TSG)



Key Dates

- Mandatory Pre-Bid Meeting
 - April 10, 2025 (10:00 AM)
 - JCSD: 11201 Harrel Street, Jurupa Valley, CA 91752
- Bid Documents: https://www.jcsd.us/Business/
- Questions
 - Email: JCSDBids@JCSD.us
 - Due: 5:00 p.m. on May 22, 2025
- Bids Due:
 - Email: JCSDBids@JCSD.us
 - Due: 2:00 p.m. on June 3, 2025
- Board award
 - July 28, 2025 (expected)



Do not wait until last minute!

DEADLINE IS
READ RECEIPT
BY JCSD



Regional Recycled Water Program Overview



Regional Recycled Water Program

JCSD: 660 -->> ~1,073 AFY

- Parks: 278

- Schools: 142

Landscaping: 96

Existing (non-potable system): 240

– Developments: ~317

~56,000' of 8 to 24-inch pipeline

WRCRWA Plant

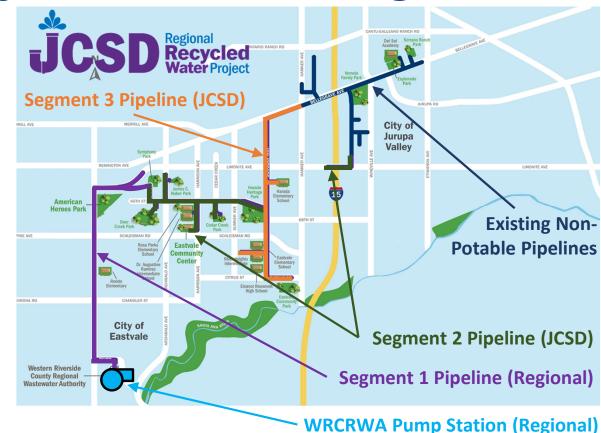
- 14 MGD capacity

- 7-8 MGD avg. daily flow

Tertiary (Title 22 RW)

- Corona/Norco: 2,800+ AFY

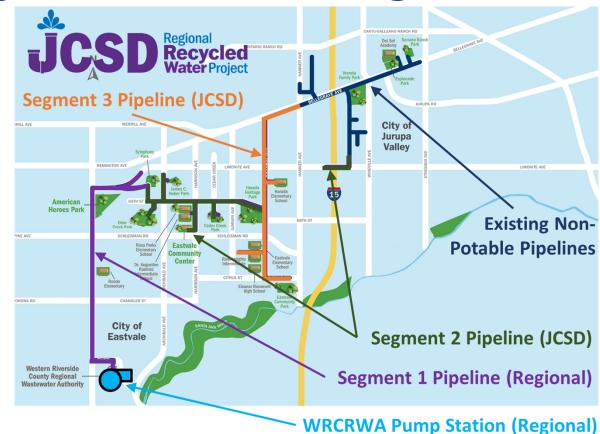
- Future sales (to north): 2,500 AFY





Regional Recycled Water Program

- Regional Partnership (WRCRWA)
 - Corona
 - Home Gardens Sanitary District
 - -JCSD
 - City of Norco
 - Western Municipal Water District
- JCSD's role lead for all construction

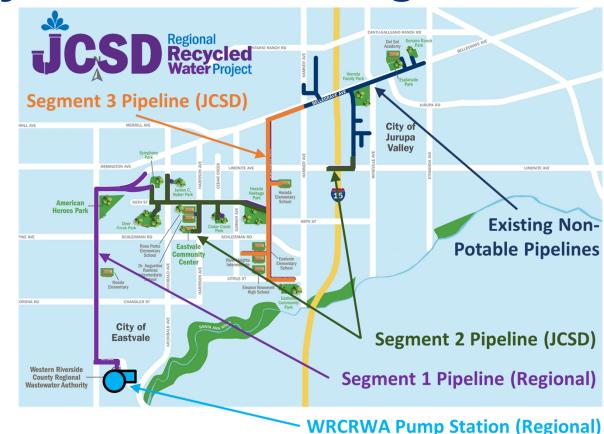




Regional Recycled Water Program

GENERAL SCHEDULE FOR CONSTRUCTION

- Pump Station (2 years)
 - April 2024 July 2026
- Pipeline Segment 3 (10 months)
 - May 2025 March 2026
- Pipeline Segment 2 (11 months)
 - July 2025 June 2026
- Pipeline Segment 1 (10 months)
 - Sept 2025 July 2026





Pipeline Segment 2 Overview



Recycled Water Program – Pipeline Segment 2

- Recycled Water Pipelines
 - 8-inch Dia. C-909 PVC, 7,675 L.F
 - 18-inch Dia. C-900 PVC, 11,900 L.F.
 - 24-inch Dia. Steel casing, 800 L.F
- Install new services laterals, meter boxes, and meter
 - Coordinate with onsite retrofit contractor
- All Appurtenances
- Associated trenching, paving, and surface restoration in accordance with City of Eastvale, City of Jurupa Valley, and Caltrans requirements
- Traffic control under City of Eastvale, City of Jurupa Valley, and Caltrans requirements



Bid Schedules

Bid Schedule I

COMMUNITY SERVICES DISTRICT

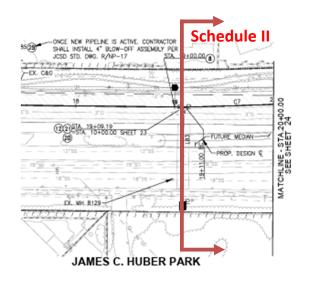
- All sheets other than those indicated in Bid Schedule II and III.

Bid Schedule II – Walmart Extension

Sheets 24 and 25 of the design plans and a portion of Sheet 17 from Station 19+09.19 - north along Archibald Ave.

Bid Schedule III – Limonite Extension (Sheets 1-5)

- Portion of proposed pipeline crossing I-15 on Limonite Ave. and will involve coordination with City of Eastvale, City of Jurupa Valley, Caltrans, and SCE.
- Currently working with Caltrans to secure an Encroachment Permit.
- There is an existing casing and waterline already installed withing the Caltrans bridge, we are proposing to connect to both ends.
- Caltrans will likely require installation of 24-inch steel casing within Caltrans R/W. Proposed open-cut within Caltrans R/W.





Recycled Water Program – Pipeline Segment 2

COORDINATION with CM and retrofit contractor => Refer to Project Phasing Requirements
 (Special Requirements - Section 40)

Pipeline Contractor

- Install new recycled water service laterals
- Install new meter box and meter with AMI
- Connect to potable water system (and activate)
- Abandon existing potable water service and meter box
- Restoration of existing site improvements
- Pavement restoration

Customer Retrofit Contractor

- Complete all onsite irrigation retrofit work (downstream of meter)
- Disconnect existing potable water service
- Connect to new RW service
- Activate new RW connection services



Recycled Water Program – Pipeline Segment 2

- Traffic Control Plans (Waterline Installation) Traffic control for ALL pipeline installation areas have been
 prepared by Albert A. Webb Associates and are part of the Contract Documents and are to be used for
 pipeline installation. Contractor may utilize the prepared traffic control plans for the work and assume all
 liability for the traffic control plans and any revisions that may be required in the field. If utilized by the
 Contractor, Contractor shall be responsible to submit the prepared traffic control plans for approval to
 the City of Eastvale, City of Jurupa Valley, and Caltrans as part of the Encroachment Permit application.
- Contractor Prepared Traffic Control Plans Contractor to prepare separate traffic control plans for pavement restoration (grind and overlay).
- City of Eastvale permitting
 - Business license
 - Contractor to pull permit
- City of Jurupa Valley permitting
 - Business license
 - JCSD to pull permit
- Caltrans permitting
 - JCSD to pull permit and Contractor to pull Rider

Recycled Water Program – Pipeline Segment 2

Geotextile Fabric:

City of Eastvale has required the use of geotextile fabric be used during installation of the recycled water pipeline with a possible deviation/exemption from the requirement in accordance with specific testing as described in the Special Requirements.

C900/C909 PVC Pipe:

C900 PVC piping will be utilized for pipe diameters 16" and larger. No coring of C900 PVC pipe will be allowed and will require the use of ductile iron tees and reducers for all service laterals, air valves, and blow-offs.

C909 PVC piping will be utilized for pipe diameters 12" and smaller. Coring of the C909 PVC will be allowed for 2" diameter and smaller service laterals and air valves.

Pipe Restraints and Pipe Joint Deflection:

Due to the requirement of using pipe restraints on all pipe joints, deflections (horizontal or vertical) shown on the plans may not be achieved with standard pipe joint restraints. Contractor shall pull the joints as necessary or utilize restrained high-deflection couplings. Bid Items for high-deflection couplings have been provided. No additional compensation will be provided for the use of high-deflection couplings.



Recycled Water Program – Pipeline Segment 2

Working Hours

- City of Eastvale and City of Jurupa Valley: 8:30 AM and 3:30 PM within residential areas and/or neighboring major streets
- Limonite Ave/I-15 area:
 - All work to be done at night
 - Contractor to confirm working hours with permittees (Eastvale, Jurupa Valley, Caltrans)

Modifications to Existing Air Vac Assemblies

The Contractor shall install four 1-in air vacuum release valves on the existing pipelines at four (4) locations. Additional information forthcoming in an Addendum.



Addendum 2: Qualification Requirements

Prime Contractor

- Last 5 years
- 15,000 ft. of pipeline installed (cumulative)
- 5,000 ft. minimum (each project reference)
- PVC (C900/C909)
- 8" or larger
- Work in public right-of-way/urban streets
 - Asphalt removal/replacement
 - Striping
 - Utility conflicts
 - Traffic control
 - Public coordination



3. BIDDER'S STATEMENT OF EXPERIENCE, FINANCIAL CONDITION AND REFERENCES How many years of experience in construction work has your organization had? The following outline is a record of the undersigned Bidder's experience as described in Bidding instructions "Qualified Bidders' for projects of a type similar in magnitude and character to that contempated under this Contract. Include the location of each project as well as the name, address, and phone number of the owner, and name of individual to contact. 1. Owner Name: Contact Person: Address of Owner: Phone: Project Description: Pipe Of pipe Installed: Amount of Contract Completion Date: 2. Owner Name: Contact Person: Address of Owner: Phone: Pipe Dameter (in.): Type of pipe Installed: Amount of Contract Total Pipe Installed (it.): Completion Date: 3. Owner Name: Contact Person: Address of Owner: Phone: Pipe Dameter (in.): Type of pipe Installed: Amount of Contract Total Pipe Installed (it.): Completion Date: Total Pipe Installed (it.): Type of pipe Installed: Amount of Contract Total Pipe Installed (it.): Completion Date: Total Pipe Installed (it.): Address of Owner: Phone: Pipe Dameter (in.): Pipe Ope Installed: Amount of Contract As a Part of this Supporting document, submit a signed financial statement, financial data, or other than the statement of the pipe Installed envelope labeled envelope labeled envelope labeled				
3. BIDDER'S STATEMENT OF EXPERIENCE, 1 TO STOCK				
CONDITION AND REFERENCES				
How many years of experience in construction work has your organization had?				
The following outline is a record of the undersigned Bidder's experience as described in				
Contact Person:				
Address of Owner:				
Phone:				
Project Description				
Type of Pipe Installed:				
Amount of Contract: Total Pipe Installed (ft.):				
Completion Date:				
Owner Name:				
Contact person:				
Phone:				
Plos Discorption;				
Type				
Type of Pipe Installed:				
The little and the second				
- Sittad Person				
Address of Owner				
1006				
Project Description				
Amount M.O.				
As a new Contract				
Information Total Pipe Install				
condition. The references occument such Completion parties (ft.):				
Date:				
NOW COUNTY OF THE PROPERTY OF				
opporting document, financial				
2003 1 - Proposition appraisal of Gata, or Ob-				
sealed envelopment thanks				
abeles				
P-8				

Grant Funding Requirements



Appendix K: State Revolving Fund Requirements

- 1. Miscellaneous Provisions
- 2. Exhibit A Signage
- 3. Exhibit E Programmatic Conditions & Cross-Cutters
- 4. American Iron and Steel (AIS) Products Subject to AIS
- 5. Exhibit G Davis Bacon Labor Compliance Requirements
- 6. Wage Determination
- 7. DBE instructions/forms



Article IV – Miscellaneous Provisions

Appendix K – Starts on Page 17 of 46

- 29 Provisions (Section 4.1 through 4.29)
 - Bonding
 - Compliance with Law, Regulations, etc.
 - Disputes
 - Prevailing Wages
 - Etc.



Exhibit A - Signage

Appendix K – Page 30 of 46

COMPLETION2026

ESTIMATED PROJECT
COST

\$61,400,000



RECYCLED WATER

Increasing JCSD's water supply resiliency

Funding for this project has been provided in part from:

State Water Resources Control Board

Clean Water State Revolving Funds

United States Bureau of Reclamation

Title XVI Water Recycling and Desalination Construction Program

County of Riverside







BOARD OF DIRECTORS

Division 1

Kenneth J.

McLaughlin

Division 4

Bart Moreno

MoLaagiiiii

Division 5

Division 2 **Lupe R. Nava**

Anthony Herda

Division 3

Betty Folsom

General, Manager
Chris Berch

JCSD SERVICES







Water

Wastewater

Recreation





Graffiti Abatement

Streetlights

FOR MORE INFO VISIT: WWW.JCSD.US/RECYCLEDWATER

Exhibit E - Programmatic Conditions & Cross-Cutters

Appendix K – Starts on Page 31 of 46

- Federal Award Conditions AIS
- Wage Rate Requirements (Davis-Bacon)
- Signage Requirements
- Public or Media Events
- EPA General Terms and Conditions
 - DUNS, Conflict of Interest, Copyright and Patent, Clean Air and Water Act, etc.



American Iron and Steel (AIS) Products

Appendix K last page of Exhibit E (Page 36 of 46)

- Products greater than 50% iron or steel, measured by cost
- Permanently incorporated into the public water system or treatment works.
- Provides guidelines on:
 - Structural Steel
 - Reinforced Precast Concrete
 - Construction Materials
 - Municipal Castings



Exhibit G - Davis-Bacon Requirements

Appendix K – Starts on Page 37 of 46

- Prevailing Wage Requirements
- Obtaining Wage Determinations
- Contract and Subcontract Provisions
 - Minimum Wages
 - Withholdings
 - Payrolls and basic records
 - Apprentices and Trainees
 - Etc.
- Contract Provision for Contracts in Excess of \$100k
- Compliance Verifications



Wage Determination

Located Immediately after Page 46 of Appendix K and is 28 pages

- Construction Type: Building
- Groups 1 through Group 12
- Union Rate Identifiers
- Surveyor Rate Identifiers
- Union Average Rate Identifiers
- Wage Determination Appeals Process



DBE Requirements

Appendix K – Immediately after Wage Determination in Appendix K

- Six (6) SWRCB Good Faith Efforts (GFE)
 - 1. Ensure DBEs are made aware of contracting opportunities to the fullest extent practical through outreach and recruitment activities. For Tribal, State and Local Government Recipients, this will include placing DBEs on solicitation lists and soliciting them whenever they are potential sources.
 - 2. Make information on forthcoming opportunities available to DBEs. Posting solicitations for bids or proposals for a minimum of 30 calendar days in a local newspaper, before the bid opening date.
 - 3. Consider in the contracting process whether firms competing for large contracts could subcontract with DBEs.
 - 4. Encourage contracting with a group of DBEs when a contract is too large for one firm to handle individually.
 - 5. Use the services of the SBA **and/or** Minority Business Development Agency (MBDA) of the US Department of Commerce.
 - 6. If the prime contractor awards subcontracts, require the prime contractor to take the above steps.
- Two (2) SWRCB Forms with GFE (4500-3; and 4500-4).
 - Submit within 24 hours of bid due date/time
- SWRCB Form 4500-2 only submitted by DBE if there are issued during construction.



1. Regarding the DBE Good Faith Efforts, can the prime contractor utilize the services of the SBA & MBDA to solicit bids from DBE subcontractors in lieu of advertising in a local newspaper?

Answer: No. Advertisement has to be via local newspaper, but contractors can utilize the services of the SBA and MBDA to supplement the local newspaper advertisement.

2. Is there a DBE set aside or minimum utilization/participation requirement?

Answer: No, there is no set aside, minimum utilization, nor participation required. USBR is looking for good faith effort to supplement the Prime Contractor with DBE staff.



3. Regarding the DBE Requirements from the specs for the Recycled Water Program – Segment 3 Final Design project that bids on 04/01/25, it reads: "Make information on forthcoming opportunities available to DBEs. Posting solicitation for bids or proposals for a minimum of 30 calendar days in a local newspaper, before the bid opening date."

Does this mean we need to:

- A. Post every day for 30 days, or
- B. Post at least once 30 days prior to the bid opening date?



Answers:

- A. The solicitations for bids or proposals must be posted only once and at least 30 days before Segment 2 bids are due.
- B. Correct. Contractors only have to advertise in a local newspaper once, and this advertisement has to be completed 30 days or more prior/before Segment 2 bids due date. Contractors have to provide proof of this advertisement showing the advertisement with the date. Most local newspapers will provide an affidavit of the advertisement, which needs to be provided with bid submittal. In addition, Contractors have to advertise for total of 30 days (i.e., every day) before the Segment 2 bid due date on the Contractor's website or other forms of advertisement requesting DBE subcontractors. Contractors can utilize the services of the SBA, MBDA or the Contractor's website to supplement the local newspaper advertisement post. For the bid submittal, the Contractor shall provide proof of newspaper advertisement, proof of advertisement for 30 days via Contractor website or SBE/MBDA assistance, all outreach documentation, and the three DBE forms (4500-3 and 4500-4) are all due within 24 hours of the bid due date/time.

- 4. What is the advertising window? 30 days before the bid date? Do we just advertise once?
 - Answer: Contractor's advertising window via a local newspaper is only once and this advertisement has to be 30 days or more prior/before to Segment 2 bids due date. Contractors have to advertise or total of 30 days (i.e. every day) before the Segment 2 bid due date on the Contractor's website or other forms of advertisement requesting DBE subcontractors. Contractors can utilize the services of the SBA and MBDA to supplement the local newspaper advertisement and Contractor website posts.
- 5. Are we required to submit the Executive Order N-6-22 Certification with our bid?

 Answer: Yes, all bidders are required to the completed form with their bid proposal. Proposals received without the completed form will be rejected.
- 6. What do you consider a local newspaper?
 - Answer: A local newspaper would be one that supports the local county where the project is located and the surrounding communities.



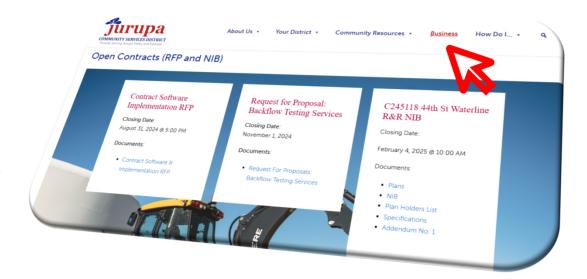
Plan Holders List / Sign-in Sheet

Sign in on computer (See Walter)



Check Website Daily

https://www.jcsd.us/Business/





ATTACHMENT G



JURUPA COMMUNITY SERVICES DISTRICT SIGN-IN SHEET

PROJECT: C215078 JCSD Recycled Water Project –

DATE: April 10, 2025

Segment 2

TIME: 10:00 a.m – 11:00 a.m

PREPARED BY: Walter Cano LOCATION: JCSD

1. MEETING TITLE

Pre-Bid Meeting for the JCSD Recycled Water Project – Pipeline Segment 2 (C215078)

2. ATTENDEES PRESENT				
NAME	COMPANY / ORGANIZATION	EMAIL	PHONE	
Nathan plummer	Norstar plumbing and engineering inc	nathan@norstarpipeline.com	909-481-9488	
Jesus Munoz Jr	Steve P. Rados Inc	bid@rados.com	951-675-4315	
Apolonio Ramirez	All Cities Engineering Inc.	Allcities.apolonio@gmail.com	909-643-3398	
Javier Castro	ACE	Javier allcities@yahoo.com	951-255-3964	
Gloria Lopez	ACE	gloria@allcitiesengineeringinc.com	909-5242401	
Pablo Viramontes	Stephen Doreck Equipment Rentals, Inc	pablo@doreckconstruction.com	909-770-2169	
Luis Marquez	Kiewit	<u>Luis.Marquez@kiewit.com</u>	562-207-7678k	
Kenny Most	Downing Construction Inc.	kenny@downingconstructioninc.com	951-543-0266	
Joe Iriberri	Re Chaffee Construction	Estimating@rechaffee.com	760-249-8068	
Sep Sharifi	Big Ben Engineering	Ssharifi@bigbenengineering.com	949-400-1800	
Steve Himle	Weka Inc	wekainc@gmail.com	909-425-8700	
Adryan Gutierrez	TE Roberts, Inc.	Estimating@TERoberts.com	714-669-0072	
Per Tvedt	Vido Artukovich & Son, Inc. Vidmar, Inc. A JV	info@artukovich.com	626-444-4286	
DOREENBLANK	BOUDREAU PIPELINE	doreen@boudreaupipeline.com	951-493-6780	
Nathan McGrand	Borden Excavating, Inc	nathan@bordenpipe.com	951-334-9320	
Eric Carmichaek	CCL Contracting, Inc	Ecarmccl@gmail.com	760 317-8406	
Dubi Gregorovic	MNR Construction, Inc.	dubi@mnrconst.com	818-271-7242	
Giovanny Marquez	Empire Equipment Service, Inc.	Estimating@empireequipmentservice.com	951-681-1345	
Jack Fowler	JW Fowler Co	Jackf@Jwfowler.com, Estimating@jwfowler.com	503-580-6030	
Ricardo Ibarra	Filanc Construction Company	ribarra@Filanc.com dhenderson@filanc.com	760 909 8107 760 466-0459	