

CITY OF RANCHO CUCAMONGA

ALMOND STREET IMPROVEMENT PROJECT

VIA VERDE STREET TO CARNELIAN STREET

RANCHO CUCAMONGA

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE CITY OF RANCHO CUCAMONGA STANDARD DRAWINGS AND SPECIAL PROVISIONS, CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD) LATEST EDITION, THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, (GREEN BOOK), 2024 EDITION, INCLUDING 2025 SUPPLEMENT, AND AS DIRECTED BY THE CITY'S REPRESENTATIVE.
2. WHERE DAMAGE IS CAUSED BY THE CONTRACTOR'S OPERATIONS, THE CONTRACTOR SHALL AT HIS EXPENSE REPAIR OR REPLACE DAMAGED FACILITIES PROMPTLY IN ACCORDANCE WITH SPECIFICATIONS TO THE SATISFACTION OF THE AFFECTED OWNER AND THE ENGINEER IN THE FIELD. WHERE SIDEWALKS, CURBS, OR CUTTERS ARE TO BE REPAIRED, THE REPAIRS SHALL BE MADE BY REMOVING AND REPLACING THE ENTIRE SECTION BACK TO THE NEAREST SCORING LINES AND NOT BY REFINISHING THE DAMAGED PORTION.
3. PUBLIC AND PRIVATE UTILITIES AND SUBSTRUCTURES SHOWN HEREON ARE FROM AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL UTILITIES AND SUBSTRUCTURES AS SHOWN WITHIN THE CONSTRUCTION LIMITS OF THIS PROJECT AND SHALL BE RESPONSIBLE FOR ANY DAMAGE AS A RESULT OF THE CONSTRUCTION OPERATIONS.
4. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT 1-800-422-4133 AND THE FOLLOWING UTILITIES TWO WORKING DAYS PRIOR TO CONSTRUCTION OR REGARDING ANY PROBLEMS.

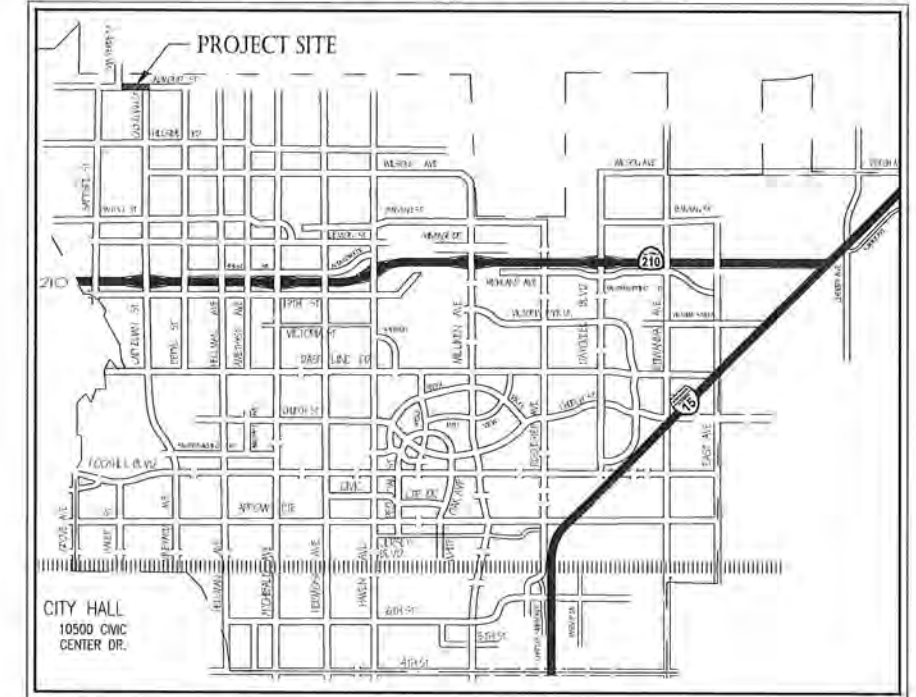
SOUTHERN CALIFORNIA EDISON CO.	(909) 357-6240
SOUTHERN CALIFORNIA EDISON CO. - EMERGENCY ONLY	(800) 811-1911
SOUTHERN CALIFORNIA GAS CO. - EMERGENCY ONLY	(800) 427-2000
SOUTHERN CALIFORNIA GAS CO. GEARY AMBERS	(909) 335-7583
FRONTIER COMMUNICATIONS - MARIO ORLINO	(909) 488-6336
CUCAMONGA COUNTY WATER DISTRICT - EMERGENCY ONLY	(909) 987-2591
CUCAMONGA COUNTY WATER DISTRICT	(909) 483-7440
5. THE CONTRACTOR SHALL NOTIFY THE CITY OF RANCHO CUCAMONGA PUBLIC WORKS DEPARTMENT TWO WORKING DAYS PRIOR TO CONSTRUCTION FOR IDENTIFICATION OF EXISTING IRRIGATION LINES. CONTACT THE PUBLIC WORKS DEPARTMENT WATER MANAGEMENT DIVISION AT (909) 477-2730.
6. THE CONTRACTOR SHALL NOTIFY THE CITY OF RANCHO CUCAMONGA POLICE DEPARTMENT, THE CITY OF RANCHO CUCAMONGA FIRE DEPARTMENT AND ANY AFFECTED SCHOOL DISTRICT 72 HOURS PRIOR TO CONSTRUCTION TO ADVISE THEM OF ANY DETOUR AND/OR ROAD CLOSURES.
7. FOR INSPECTION OF THIS PROJECT, THE CONTRACTOR SHALL CONTACT THE PUBLIC WORKS SECTION AT (909) 774-4070, MONDAY - THURSDAY, AND AT LEAST TWO WORKING DAYS PRIOR TO THE CONSTRUCTION START DATE.
8. A PERMIT SHALL BE OBTAINED BY PRIME AND SUB-CONTRACTORS FROM THE CITY OF RANCHO CUCAMONGA PRIOR TO ANY CONSTRUCTION OR ENCROACHMENT WITHIN ANY CITY OF RANCHO CUCAMONGA EASEMENT OR RIGHT-OF-WAY.
9. THE CONTRACTOR SHALL INSTALL "CONSTRUCTION NOTIFICATION SIGN" SEVEN DAYS PRIOR TO CONSTRUCTION ON BOTH ENDS OF THE PROJECT AS DIRECTED BY THE CITY. (SEE SPECIFICATION APPENDIX FOR DETAIL).
10. ON THE DATE AND AT THE TIME OF THE SUBMITTAL OF THE BIDDER'S PROPOSAL THE PRIME CONTRACTOR SHALL POSSESS ANY AND ALL CONTRACTOR LICENSES, IN FORM AND CLASS AS REQUIRED BY ANY AND ALL APPLICABLE LAWS WITH RESPECT TO ANY AND ALL OF THE WORK TO BE PERFORMED UNDER THIS CONTRACT, INCLUDING BUT NOT LIMITED TO A CLASS "A" LICENSE (GENERAL ENGINEERING CONTRACTOR) SUFFICIENT TO COVER ALL THE WORK TO BE PERFORMED BY THE PRIME CONTRACTOR IN ACCORDANCE WITH THE PROVISIONS OF THE CONTRACTOR'S LICENSE LAW (CALIFORNIA BUSINESS AND PROFESSIONS CODE, SECTION 7000 ET. SEQ.) AND RULES AND REGULATIONS ADOPTED PURSUANT THERETO.
11. ALL EXISTING EQUIPMENT AND MATERIALS REMOVED AS PART OF THE UPGRADE SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR.
12. THE EXISTING TRAFFIC SIGNALS SHALL REMAIN IN OPERATION AT ALL TIMES UNLESS OTHERWISE APPROVED BY THE CITY'S REPRESENTATIVE.
13. ALL EQUIPMENT REQUIRED BY THE CITY TO BE SALVAGED SHALL BE DELIVERED TO THE CITY CORP. YARD LOCATED AT 8794 LION STREET, RANCHO CUCAMONGA, CALIFORNIA 91730.
14. THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO BIDDING.
15. SEE DESIGN PLAN SHEETS FOR ADDITIONAL GENERAL NOTES.
16. THE CONTRACTOR SHALL FURNISH, PRESERVE, AND RE-ESTABLISH ALL EXISTING MONUMENTS THAT ARE RECORDED AND/OR IDENTIFIED IN THE SAN BERNARDINO COUNTY SURVEYOR'S OFFICE AND/OR FIELD BOOK. THE CONTRACTOR SHALL ALSO ESTABLISH ALL CONTROLS AND ELEVATIONS AS REQUIRED AND AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER.
17. CONTRACTOR SHALL INSTALL BLUE REFLECTIVE PAVEMENT MARKERS IN THE ROADWAY FOR FIRE HYDRANT DESIGNATIONS FOR ALL FIRE HYDRANTS WITHIN THE LIMITS OF WORK.

ABBREVIATIONS

- | | |
|-------|---------------------------------|
| A.C. | ASPHALT CONCRETE |
| ARHM | ASPHALT RUBBER HOT MIX |
| AVE | AVENUE |
| BCR | BEGIN CURB RETURN |
| BLVD | BOULEVARD |
| CIP | CAST-IN-PLACE |
| CL | CENTERLINE |
| CLR | CLEAR |
| CWWD | CUCAMONGA VALLEY WATER DISTRICT |
| ECR | END CURB RETURN |
| EG | EXISTING GRADE |
| ELEV | ELEVATION |
| EX | EXISTING |
| FG | FINISHED GRADE |
| FL | FLOWLINE |
| FS | FINISH SURFACE |
| LOL | LAYOUT LINE |
| LT | LEFT |
| MAX | MAXIMUM |
| MIN | MINIMUM |
| NLY | NORTHERLY |
| O.C. | ON CENTER |
| OFF | OFFSET |
| OG | ORIGINAL GROUND |
| PROP. | PROPOSED |
| R.C. | RANCHO CUCAMONGA |
| RCB | REINFORCED CONCRETE BOX |
| RAW | RIGHT OF WAY |
| RT | RIGHT |
| SLY | SOUTHERLY |
| STA | STATION |
| ST | STREET |
| TC | TOP OF CURB |
| TYP | TYPICAL |

SHEET INDEX

SHT NO.	DWG NO.	PLAN NAME
1	CV-01	COVER SHEET
2	GN-01	GENERAL NOTES
3	CS-01	TYPICAL SECTIONS
4	DM-01	DEMOLITION PLAN
5	ST-01	STREET IMPROVEMENTS PLAN
6	ST-02	STREET PROFILE
7	CD-01	CONSTRUCTION DETAILS
8	EC-01	EROSION CONTROL PLAN
9	EC-02	EROSION CONTROL DETAILS
10	UT-01	COMPOSITE UTILITY PLAN
11	DT-01	CIVIL DETAILS - 1
12	DT-02	CIVIL DETAILS - 2
13	SS-01	SIGNING AND STRIPING PLAN
14	SL-01	STREET LIGHTING PLAN
15	SL-02	STREET LIGHTING DETAILS
16	S-01	DRAINAGE STRUCTURAL DETAILS NO. 1
17	S-02	DRAINAGE STRUCTURAL DETAILS NO. 2
18	S-03	DRAINAGE STRUCTURAL DETAILS NO. 3
19	S-04	RETAINING WALL DETAILS NO.1
20	S-05	RETAINING WALL DETAILS NO.2



LEGEND
 PROJECT LOCATION

LOCATION MAP
 NOT TO SCALE

EXISTING SURVEY MONUMENTATION

ALL EXISTING SURVEY MONUMENTS THAT WILL BE DISTURBED BY THIS PROJECT SHALL BE REFERENCED AND RESET BY THE CITY CONSTRUCTION SURVEYOR IN ACCORDANCE WITH SECTION 8771 OF THE CALIFORNIA SURVEYORS ACT. FOUND MONUMENTS ARE SHOWN ON THE PLANS.

SURVEY NOTES

DATUM STATEMENT:

SURVEY PREPARED AND FURNISHED BY THE CITY OF RANCHO CUCAMONGA DATED 4/21/2023.

COORDINATES SHOWN ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE V, NORTH AMERICAN DATUM OF 1983 (NAD83) (2011) EPOCH 2017.5. ALL MEASURED DISTANCES SHOWN ARE US SURVEY FOOT GRID DISTANCES, UNLESS OTHERWISE NOTED.

BENCHMARK:

THE CONTOURS AND ELEVATIONS SHOWN HEREON ARE BASED ON THE FOLLOWING BENCHMARK:

NATIONAL GEODETIC SURVEY BENCHMARK
 BM NO.: 10108
 ELEV.: 1843.723'
 DATUM: NAVD 88

DESCRIPTION: 2 1/2" BRASS DISK STAMPED "RANCHO CUCAMONGA BENCHMARK 10108 1987" ON TC ELY OF SELY RETURN OF HILLSIDE & CARNELIAN STREET.

#	DESCRIPTION OF REVISION	DATE	CITY APPROVED
4			
3			
2			
1			
#			

CITY OF RANCHO CUCAMONGA

COVER SHEET

CIP PROJECT NO. 800-2025-07

APPROVED BY: CITY ENGINEER		DATE: RCE: 67514
DESIGN MA 1/19/26	 25192 Springfield Court, Suite 200 Santa Clara, California 95051	RECOMMENDED CS
DRAWN MA 1/19/26		DRAWING NO. CV-01
CHECKED SC 1/19/26		SHEET 1 OF 20
DATE		FILE No



100% DESIGN PLANS

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GENERAL CONSTRUCTION NOTES

- THE CONTRACTOR AND SUBCONTRACTORS SHOULD BE FAMILIAR WITH ALL STATE AND LOCAL REQUIREMENTS RELATED TO SITE CONSTRUCTION ACTIVITIES PRIOR TO COMMENCING WORK. ALL WORK SHALL CONFORM AS APPLICABLE TO THESE GOVERNING STANDARDS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS. CONTRACTOR SHALL CLEAR AND GRUB ALL AREAS AS INDICATED ON PLANS, REMOVE TREES, STUMPS, ROOTS, MUCK, EXISTING PAVEMENT AND ALL OTHER DELETERIOUS MATERIAL.
- EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF THE TOPOGRAPHIC SURVEY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE ENGINEER. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY ACCURATE. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE DONE BEFORE COMMENCING ANY WORK IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE OWNER OR ENGINEER WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES. NOR FOR TEMPORARY BRACING AND SHORING OF SAME. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 48 HOURS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION. AN APPROXIMATE LIST OF THE UTILITY COMPANIES WHICH THE CONTRACTOR MUST CALL BEFORE COMMENCING WORK IS PROVIDED ON THE COVER SHEET OF THESE CONSTRUCTION PLANS. THIS LIST SERVES AS A GUIDE ONLY AND IS NOT INTENDED TO LIMIT THE UTILITY COMPANIES WHICH THE CONTRACTOR MAY WISH TO NOTIFY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS AND BONDS IF REQUIRED PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF THE CONSTRUCTION DOCUMENTS INCLUDING PLANS, SPECIFICATIONS, GEOTECHNICAL REPORT AND SPECIAL CONDITIONS AND COPIES OF ANY REQUIRED CONSTRUCTION PERMITS.
- ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER AND NOTIFICATION TO THE ENGINEER.
- ALL COPIES OF COMPACTION, CONCRETE AND OTHER REQUIRED TEST RESULTS ARE TO BE SENT TO THE OWNER AND DESIGN ENGINEER OR RECORD DIRECTLY FROM THE TESTING AGENCY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TO THE ENGINEER A CERTIFIED RECORD SURVEY SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF CALIFORNIA DEPICTING THE ACTUAL FIELD LOCATION OF ALL CONSTRUCTED IMPROVEMENTS THAT ARE REQUIRED BY THE JURISDICTIONAL AGENCIES FOR THE CERTIFICATION PROCESS. ALL SURVEY COSTS WILL BE THE CONTRACTOR'S RESPONSIBILITY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING AND MAINTAINING AS-BUILT INFORMATION WHICH SHALL BE RECORDED AS CONSTRUCTION PROGRESSES OR AT THE COMPLETION OF APPROPRIATE CONSTRUCTION INTERVALS AND SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS TO THE OWNER FOR THE PURPOSE OF CERTIFICATION TO JURISDICTIONAL AGENCIES AS REQUIRED. ALL AS-BUILT DATA SHALL BE COLLECTED BY A STATE OF CALIFORNIA PROFESSIONAL LAND SURVEYOR WHOSE SERVICES ARE ENGAGED BY THE CONTRACTOR.
- ANY WELLS DISCOVERED ON SITE THAT WILL HAVE NO USE MUST BE PLUGGED BY A LICENSED WELL DRILLING CONTRACTOR IN A MANNER APPROVED BY ALL JURISDICTIONAL AGENCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY WELL ABANDONMENT PERMITS REQUIRED.
- ANY WELL DISCOVERED DURING EARTH MOVING OR EXCAVATION SHALL BE REPORTED TO THE APPROPRIATE JURISDICTIONAL AGENCIES WITHIN 24 HOURS AFTER DISCOVERY IS MADE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK THAT WOULD BE AFFECTED. FAILURE TO NOTIFY OWNER OF AN IDENTIFIABLE CONFLICT PRIOR TO PROCEEDING WITH INSTALLATION RELIEVES OWNER OF ANY OBLIGATION TO PAY FOR A RELATED CHANGE ORDER.
- ANY EXISTING UTILITY, WHICH IS TO BE EXTENDED, WHICH IS THE CONNECTION POINT FOR NEW UNDERGROUND UTILITIES, OR WHICH NEW FACILITIES CROSS, SHALL BE EXPOSED BY THE CONTRACTOR PRIOR TO PLACEMENT OF THE NEW UTILITIES. COST OF SUCH EXCAVATION AND SUBSEQUENT BACKFILL SHALL BE INCLUDED IN THE PRICES PAID FOR THE VARIOUS ITEMS OF WORK. THE ELEVATIONS AND LOCATIONS OF THE EXISTING FACILITIES WILL BE CHECKED BY THE PUBLIC WORKS INSPECTOR AND THE ENGINEER. IF IN THE OPINION OF THE INSPECTOR A CONFLICT EXISTS, THEN THE ENGINEER SHALL MAKE ANY NEEDED GRADE AND/OR ALIGNMENT ADJUSTMENTS AND REVISE THE PLANS ACCORDINGLY. ALL GRAVITY FLOW PIPELINES TO BE LAID UPSTREAM FROM THE LOWEST POINT STARTING AT THE END OF EXISTING IMPROVEMENTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 24 HOURS PRIOR TO BACKFILLING OF ANY PIPE WHICH STUBS TO A FUTURE PHASE OF CONSTRUCTION FOR INVERT VERIFICATION. TOLERANCE SHALL BE IN ACCORDANCE WITH CITY STANDARD SPECIFICATIONS.
- RIGHT OF ENTRY ACCESS REQUIRED FOR CONSTRUCTION SHALL BE OBTAINED BY THE CITY AND PROVIDED TO THE CONTRACTOR PRIOR TO THE START OF WORK.

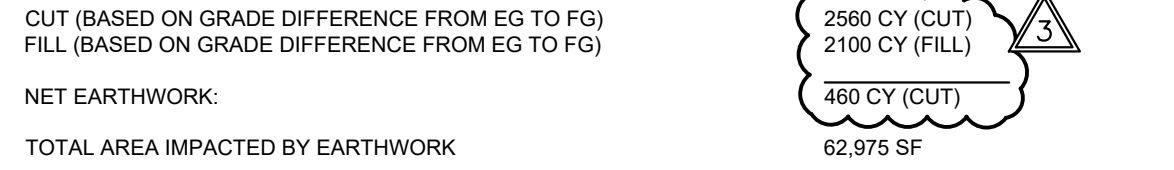
DEMOLITION NOTES

- ALL MATERIAL REMOVED FROM THIS SITE BY THE CONTRACTOR SHALL BE DISPOSED OF BY THE CONTRACTOR IN A LEGAL MANNER.
- REFER TO THE TOPOGRAPHIC SURVEY FOR ADDITIONAL DETAILS OF EXISTING STRUCTURES, ETC., LOCATED WITHIN THE PROJECT SITE. UNLESS OTHERWISE NOTED, ALL EXISTING BUILDINGS, STRUCTURES, SLABS, CONCRETE, ASPHALT, DEBRIS PILES, SIGNS, AND ALL APPURTENANCES ARE TO BE REMOVED FROM THE SITE BY THE CONTRACTOR AND PROPERLY DISPOSED OF IN A LEGAL MANNER AS PART OF THIS CONTRACT. SOME ITEMS TO BE REMOVED MAY NOT BE DEPICTED ON THE TOPOGRAPHIC SURVEY. REFER TO THE DEMOLITION PLAN FOR THE LIMITS OF ASPHALT REMOVAL (THE EXISTING PARKING LOT IS TO REMAIN). IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND DETERMINE THE FULL EXTENT OF ITEMS TO BE REMOVED. IF ANY ITEMS ARE IN QUESTION, THE CONTRACTOR SHALL CONTACT THE OWNER PRIOR TO REMOVAL OF SAID ITEMS.
- THE CONTRACTOR SHALL REFER TO THE DEMOLITION PLAN FOR DEMOLITION/PRESERVATION OF EXISTING TREES. ALL TREES NOT SPECIFICALLY SHOWN TO BE PRESERVED OR RELOCATED SHALL BE REMOVED AS A PART OF THIS CONTRACT. TREE PROTECTION FENCING SHALL BE INSTALLED AS NECESSARY PRIOR TO ANY DEMOLITION.
- CONTRACTOR SHALL ADJUST GRADE OF ANY EXISTING UTILITIES TO REMAIN.

EROSION CONTROL NOTES

- THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE FEDERAL, STATE, OR LOCAL REQUIREMENTS. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO THE OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
- BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY THE PERMITTING AGENCY OR OWNER.
- EROSION CONTROL PLAN MUST CLEARLY DELINEATE ALL STATE WATERS. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.
- THE CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.
- CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES.
- ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
- SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ON SITE. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
- RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
- ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THE PLAN, SHALL BE INITIATED AS SOON AS PRACTICABLE.
- STABILIZATION PRACTICES SHOULD BE INITIATED AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS WHERE CONSTRUCTION HAS TEMPORARILY CEASED.
- DISBURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE STABILIZED. THESE AREAS SHALL BE STABILIZED NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRED IN THESE AREAS.
- IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.
- ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED AS SOON AS POSSIBLE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEDIMENT IN THE DETENTION POND AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
- ON-SITE & OFF SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE EROSION CONTROL PLAN AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
- SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
- DUE TO GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, ETC.) TO PREVENT EROSION.
- ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY, THIS INCLUDES BACK FILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION.

ESTIMATED EARTHWORK QUANTITIES



NOTE: THE EARTHWORK QUANTITIES ABOVE ARE FOR PERMIT PURPOSES ONLY. THE CONTRACTOR IS NOT AUTHORIZED TO USE THE ESTIMATES HEREIN FOR BIDDING AND CONSTRUCTION PURPOSES WITHOUT THE EXPLICIT WRITTEN PERMISSION OF THE ENGINEER OF RECORD. NO REPRESENTATIONS OF SUCH QUANTITIES OR A BALANCED SITE CONDITION ARE MADE BY THE ENGINEER OF RECORD.

UNLESS EXPLICITLY STATED OTHERWISE HEREIN, THE ABOVE QUANTITIES ARE APPROXIMATE, IN PLACE VOLUMES CALCULATED FROM THE EXISTING GROUND TO THE PROPOSED FINISHED GRADE. EXISTING GROUND IS DEFINED BY THE CONTOURS AND SPOT GRADES ON THE BASE SURVEY. PROPOSED FINISHED GRADE IS DEFINED AS THE FINAL GRADE AS INDICATED ON THE GRADING PLAN(S) AS FINISHED GROUND AND FINISHED SURFACE ELEVATIONS.

UNLESS EXPLICITLY STATED OTHERWISE HEREIN, THE ABOVE GRADING QUANTITIES HAVE NOT BEEN FACTORED TO ACCOUNT FOR CHANGES IN VOLUME DUE TO BULKING, CLEARING AND GRUBBING, SHRINKAGE, SUBSIDENCE, OVER-EXCAVATION AND RE-COMPACTION, AND CONSTRUCTION METHODS. NOR DO THEY ACCOUNT FOR THE THICKNESS OF PAVEMENT SECTIONS, STORMWATER QUALITY MEDIA SECTIONS, UTILITY PIPES, TRENCHING AND BEDDING MATERIALS, BUILDING OR WALL FOOTINGS, BUILDING SLAB THICKNESSES AND UNDERLYING BASE OR SAND LAYERS, REUSE OF PULVERIZED MATERIALS THAT WILL UNDERLIE NEW PAVEMENTS, ETC.

ANY OVER-EXCAVATION AND RE-COMPACTION DEPTHS AND VOLUMES, SHRINKAGE FACTORS, PAVEMENT SECTIONS, STRUCTURE SECTIONS, AND BULKING FACTORS ARE BASED ON A SEPARATE GEOTECHNICAL REPORT. ANY STRUCTURE THICKNESSES ARE BASED ON SEPARATE STRUCTURAL ENGINEERING PLANS. ANY UTILITY, STORMWATER MITIGATION, AND FOOTING SPOLLS ARE BASED ON ESTIMATES PROVIDED BY THE OWNER OR CONTRACTOR.

PAVING, GRADING AND DRAINAGE NOTES

- ALL PAVING, CONSTRUCTION, MATERIALS, AND WORKMANSHIP WITHIN JURISDICTIONS'S RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH LOCAL OR COUNTY SPECIFICATIONS AND STANDARDS (LATEST EDITION) OR CALTRANS SPECIFICATIONS AND STANDARDS (LATEST EDITION) IF NOT COVERED BY LOCAL OR COUNTY REGULATIONS.
- ALL PAVED AND UNPAVED AREAS DISTURBED BY CONSTRUCTION OUTSIDE OF THE WORK LIMITS SHALL BE REGRADED AND REPAIRED TO EXISTING CONDITION OR BETTER.
- TRAFFIC CONTROL ON ALL LOCAL AND COUNTY RIGHTS-OF-WAY SHALL MEET THE REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (U.S. DOT/FHA) AND THE REQUIREMENTS OF THE STATE AND ANY LOCAL AGENCY HAVING JURISDICTION. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
- THE CONTRACTOR SHALL GRADE THE SITE TO THE ELEVATIONS INDICATED AND SHALL REGRADE WASHOUTS WHERE THEY OCCUR AFTER EVERY RAINFALL UNTIL AN ADEQUATE STABILIZATION OCCURS.
- ALL AREAS INDICATED AS PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TYPICAL PAVEMENT SECTIONS AS INDICATED ON THE DRAWINGS.
- WHERE EXISTING PAVEMENT IS INDICATED TO BE REMOVED AND REPLACED, THE CONTRACTOR SHALL SAW CUT A MINIMUM 2" DEEP FOR A SMOOTH AND STRAIGHT JOINT AND REPLACE THE PAVEMENT WITH THE SAME TYPE AND DEPTH OF MATERIAL AS EXISTING OR AS INDICATED.
- WHERE NEW PAVEMENT MEETS THE EXISTING PAVEMENT, THE CONTRACTOR SHALL SAW CUT THE EXISTING PAVEMENT A MINIMUM 2" DEEP FOR A SMOOTH AND STRAIGHT JOINT AND MATCH THE EXISTING PAVEMENT ELEVATION WITH THE PROPOSED PAVEMENT UNLESS OTHERWISE INDICATED.
- THE CONTRACTOR SHALL INSTALL FILTER FABRIC OVER ALL DRAINAGE STRUCTURES FOR THE DURATION OF CONSTRUCTION AND UNTIL ACCEPTANCE OF THE PROJECT BY THE OWNER. ALL DRAINAGE STRUCTURES SHOULD BE CLEANED OF DEBRIS AS REQUIRED DURING AND AT THE END OF CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE FLOWS.
- IF DEWATERING IS REQUIRED, THE CONTRACTOR SHALL OBTAIN ANY APPLICABLE REQUIRED PERMITS. THE CONTRACTOR IS TO COORDINATE WITH THE OWNER AND THE DESIGN ENGINEER PRIOR TO ANY EXCAVATION.
- STRIP TOPSOIL AND ORGANIC MATTER FROM ALL AREAS OF THE SITE AS REQUIRED. IN SOME CASES TOPSOIL MAY BE STOCKPILED ON SITE FOR PLACEMENT WITHIN LANDSCAPED AREAS BUT ONLY AS DIRECTED BY THE OWNER.
- FIELD DENSITY TESTS SHALL BE TAKEN AT INTERVALS IN ACCORDANCE WITH THE LOCAL JURISDICTIONAL AGENCY.
- ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED AS PER PLANS. THE AREAS SHALL THEN BE STABILIZED BY MEANS AND METHODS APPROVED BY THE LOCAL AGENCY. ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE JOB SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. ALL EARTHEN AREAS WILL BE COVERED WITH ROCK OR MULCHED AS SHOWN ON THE LANDSCAPING PLAN.
- ALL CUT OR FILL SLOPES SHALL BE 4 (HORIZONTAL) : 1 (VERTICAL) OR FLATTER UNLESS OTHERWISE SHOWN.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
- THE CONTRACTOR SHALL TAKE ALL REQUIRED MEASURES TO CONTROL TURBIDITY, INCLUDING BUT NOT LIMITED TO THE INSTALLATION OF TURBIDITY BARRIERS AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SUSPENDED SOLIDS INTO THE RECEIVING WATER BODY EXISTS DUE TO THE PROPOSED WORK. TURBIDITY BARRIERS MUST BE MAINTAINED IN EFFECTIVE CONDITION AT ALL LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND DISTURBED SOIL AREAS ARE STABILIZED. THEREAFTER, THE CONTRACTOR MUST REMOVE THE BARRIERS, AT NO TIME SHALL THERE BE ANY OFF-SITE DISCHARGE WHICH VIOLATES THE WATER QUALITY STANDARDS OF THE GOVERNING CODE.
- EXPOSED SLOPES SHOULD BE STABILIZED WITHIN 48 HOURS OF COMPLETING FINAL GRADING, AND AT ANY OTHER TIME AS NECESSARY, TO PREVENT EROSION, SEDIMENTATION OR TURBID DISCHARGES.
- THE CONTRACTOR MUST REVIEW AND MAINTAIN A COPY OF THE REQUIRED PERMITS COMPLETE WITH ALL CONDITIONS, ATTACHMENTS, EXHIBITS, AND PERMIT MODIFICATIONS IN GOOD CONDITION AT THE CONSTRUCTION SITE. THE COMPLETE PERMIT MUST BE AVAILABLE FOR REVIEW UPON REQUEST BY GOVERNING JURISDICTIONS.

MAINTENANCE

ALL MEASURES STATED ON THE EROSION AND SEDIMENT CONTROL PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES MAY BE CHECKED BY A QUALIFIED PERSON ON A SCHEDULE THAT MEETS OR EXCEEDS THE GOVERNING REQUIREMENTS, AND CLEANED AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

- INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.
- ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED AND RESEEDED AS NEEDED.
- SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.
- THE CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCES AS CONDITIONS DEMAND.
- THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.
- OUTLET STRUCTURES IN THE SEDIMENTATION BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES. SEDIMENT SHALL BE REMOVED FROM SEDIMENT BASINS OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 55 CUBIC YARDS / ACRE.
- ALL MAINTENANCE OPERATIONS SHALL BE DONE IN A TIMELY MANNER.

RECORD DRAWINGS

- WHERE LOCAL JURISDICTIONS REQUIRE RECORD DRAWINGS, THE CONTRACTOR SHALL PROVIDE TO THE ENGINEER AND OWNER COPIES OF A PAVING, GRADING AND DRAINAGE RECORD DRAWING AND A SEPARATE UTILITY RECORD DRAWING, BOTH PREPARED BY A CALIFORNIA REGISTERED SURVEYOR. THE RECORD DRAWINGS SHALL VERIFY ALL DESIGN INFORMATION INCLUDED ON THE DESIGN PLANS OF THE SAME NAME.

DESIGN ENGINEERS NOTES

- THE TERM "DESIGN ENGINEER" USED HEREIN SHALL MEAN THE ENGINEER WHO HAS SIGNED AND SEALED HIS/HER RESPECTIVE PLAN SHEETS AND IS IN RESPONSIBLE CHARGE OF THE ENGINEERING DESIGN ON THESE SHEETS. THE TERM "CONTRACTOR" USED HEREIN SHALL MEAN ANY GENERAL CONTRACTOR OR SUBCONTRACTOR USING THESE PLANS.
- THE DESIGN ENGINEER SHALL NOT PROVIDE, OBSERVE, COMMENT ON NOR ENFORCE ANY SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL DESIGN, IMPLEMENT, AND MAINTAIN ALL SAFETY MEASURES AND SHALL BE SOLELY RESPONSIBLE FOR ALL REQUIRED SAFETY MEASURES, PROCEDURES AND REGULATIONS. THE CONTRACTOR AGREES THAT SHE/HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY AND COMPLY WITH ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS, AND REGULATIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- THE DESIGN ENGINEER SHALL HAVE NO RESPONSIBILITY FOR ANY OF THE CONTRACTOR'S MEANS AND METHODS OF CONSTRUCTION, TECHNIQUES, EQUIPMENT CHOICE AND USAGE, SEQUENCE, SCHEDULE, SAFETY PROGRAMS, OR SAFETY PRACTICES, NOR SHALL THE DESIGN ENGINEER HAVE ANY AUTHORITY OR RESPONSIBILITY TO DIRECT OR STOP THE WORK OF ANY CONTRACTOR.
- ANY CHANGES MADE BY THE CONTRACTOR TO THE CONTRACTUALLY AGREED UPON SCOPE, SCHEDULE AND/OR FEE, WITHOUT THE EXPRESS WRITTEN AUTHORIZATION OF THE OWNER, IS THE SOLE RESPONSIBILITY AND LIABILITY OF THE CONTRACTOR. THE DESIGN ENGINEER IS NOT RESPONSIBLE FOR DIRECTING, IMPLICITLY OR EXPLICITLY ANY SUCH CHANGES AND THE CONTRACTOR ASSUMES ALL RISK OF UNDERTAKING ANY SUCH CHANGES.
- THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE DESIGN ENGINEER AND OWNER, THEIR OFFICERS, AGENTS AND EMPLOYEES, HARMLESS FROM ANY AND ALL CLAIMS, DEMANDS, JUDGMENTS, LOSS, DAMAGES, COSTS, EXPENSES, FEES OR LIABILITIES WHATSOEVER, REAL OR ALLEGED, IN CONNECTION WITH, IN WHOLE OR IN PART, DIRECTLY OR INDIRECTLY, THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE OR CONCURRENT NEGLIGENCE OF THE OWNER OR THE DESIGN ENGINEER.
- IF THERE ARE ANY QUESTIONS REGARDING THESE PLANS, THE CONTRACTOR SHALL ISSUE A RFI IN WRITING FROM THE DESIGN ENGINEER AND THE OWNER. REQUESTING A CLARIFICATION BEFORE PERFORMING ANY RELATED OR IMPACTED WORK. ANY ELECTRONIC FILES ARE PROVIDED ONLY FOR THE CONVENIENCE OF THE RECEIVING PARTY AND ARE INTENDED SOLELY FOR THE EXCLUSIVE USE BY THAT PARTY FOR THE PURPOSES OF PRESERVING INFORMATION. THE CONTRACTOR SHALL PRINT AND MAINTAIN STANDARD INDUSTRY PRACTICE ONLY PRINTED COPIES OF DOCUMENTS DESIGNATED AS "ISSUED FOR CONSTRUCTION", OR EQUIVALENT DESIGNATION, MAY BE RELIED UPON.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PREPARING ITS BID, IN WHOLE AND IN PART, BASED UPON THE DESIGN SHOWN ON THESE PLANS. THE CONTRACTOR IS NOT AUTHORIZED TO USE ANY QUANTITIES SHOWN ON THESE PLANS WITHOUT THE EXPLICIT WRITTEN PERMISSION OF THE ENGINEER OF RECORD. THE DESIGN ENGINEER MAKES NO WARRANTY OR REPRESENTATION AS TO THE SUITABILITY OF ANY INFORMATION SHOWN HEREON FOR DETERMINING A CONTRACTOR BID.
- ANYTHING MENTIONED IN THE SPECIFICATIONS, IF ANY, AND NOT SHOWN ON THE DRAWINGS, OR SHOWN ON THE DRAWINGS AND NOT MENTIONED IN THE SPECIFICATIONS, SHALL BE OF LIKE EFFECT AS IF SHOWN OR MENTIONED IN BOTH.
- THE EXISTENCE, LOCATION, TYPE, CONDITION AND SIZE OF UNDERGROUND UTILITIES, FACILITIES OR STRUCTURES ("FACILITIES") SHOWN ON THESE PLANS WAS OBTAINED FROM A SEARCH OF READILY AVAILABLE RECORDS, OR AS PROVIDED BY OTHERS. NO REPRESENTATION IS MADE AS TO THE ACCURACY OR COMPLETENESS OF SAID INFORMATION. THE CONTRACTOR SHALL CONFORM SAID INFORMATION BY FIELD MEASUREMENTS, OBSERVATIONS AND WHATEVER MEANS NECESSARY. PRIOR TO CONSTRUCTION, THE CONTRACTOR WILL IMMEDIATELY INFORM THE DESIGN ENGINEER IN WRITING IF ANY DISCREPANCIES OR CONFLICTING INFORMATION IS FOUND. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL RECORDS AND ANY OTHERS NOT OF RECORD OR NOT SHOWN ON THESE PLANS, AS NEEDED. ALL DAMAGES THERE TO CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE APPROPRIATE SPECIFICATIONS AND STANDARDS AT THE SOLE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES AS NEEDED, SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY DUE TO THE ACTUAL LOCATION, SIZE, TYPE, OR CONDITION OF EXISTING FACILITIES DIFFERING FROM WHAT IS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE FULLY AND SOLELY RESPONSIBLE FOR ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ALL SUCH FACILITIES WHETHER NOTED ON THESE PLANS OR NOT. THE DESIGN ENGINEER ASSUMES NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING FACILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ANY DAMAGE TO THE EXISTING IMPROVEMENTS AND REPLACEMENT TO THE SATISFACTION OF THE OWNER AND/OR AUTHORITY HAVING JURISDICTION AS NEEDED.
- THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO STARTING WORK ADJACENT TO, ABOVE OR BELOW THEIR FACILITIES AND SHALL COORDINATE ALL WORK WITH UTILITY COMPANY REPRESENTATIVES.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING AND PROPOSED GRADING ELEMENTS BEFORE THE START OF CONSTRUCTION AND SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER OF ANY DISCREPANCIES.
- UNLESS EXPLICITLY STATED OTHERWISE HEREIN, THE EARTHWORK QUANTITIES SHOWN ON THESE PLANS ARE APPROXIMATE IN PLACE VOLUMES CALCULATED FROM THE EXISTING GROUND TO THE PROPOSED FINISHED GRADE. EXISTING GROUND IS DEFINED BY THE CONTOURS AND SPOT GRADES ON THE BASE SURVEY. PROPOSED FINISHED GRADE IS DEFINED AS THE FINAL GRADE AS INDICATED ON THE GRADING PLAN(S) AS FINISHED GROUND, FINISHED SURFACE, AND ELEVATIONS. NO REPRESENTATIONS OF SUCH QUANTITIES OR A BALANCED SITE CONDITION ARE MADE BY THE ENGINEER OF RECORD. THE EARTHWORK QUANTITIES SHOWN ON THESE PLANS ARE FOR PERMIT PURPOSES ONLY. UNLESS OTHERWISE STATED OTHERWISE HEREIN, THEY HAVE NOT BEEN FACTORED TO ACCOUNT FOR CHANGES IN VOLUME DUE TO BULKING, CLEARING AND GRUBBING, SHRINKAGE, SUBSIDENCE, OVER-EXCAVATION AND RE-COMPACTION, AND CONSTRUCTION METHODS. NOR DO THEY ACCOUNT FOR THE THICKNESS OF PAVEMENT SECTIONS, STORMWATER INFRASTRUCTURE, TRENCHING AND BEDDING MATERIALS, WALL FOOTINGS, AND UNDERLYING BASE OR SAND LAYERS, REUSE OF PULVERIZED MATERIALS THAT WILL UNDERLIE PAVEMENTS, ETC. THE CONTRACTOR IS NOT AUTHORIZED TO USE THE ESTIMATES HEREIN FOR BIDDING AND CONSTRUCTION PURPOSES WITHOUT THE EXPLICIT WRITTEN PERMISSION OF THE ENGINEER OF RECORD.
- THE CONTRACTOR SHALL THOROUGHLY CHECK COORDINATION OF CIVIL, STRUCTURAL, AND ALL OTHER PLANS PRIOR TO COMMENCING CONSTRUCTION. SHOULD DISCREPANCIES OR CONFLICTING INFORMATION BE FOUND ON ANY PLANS, OR IN ANY SPECIFICATIONS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND DESIGN ENGINEER IN WRITING BEFORE PROCEEDING WITH THE WORK IN QUESTION.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO PROTECT THE PROJECT PROPERTY FROM ANY EROSION AND SILTATION THAT RESULT FROM CONTRACTOR OPERATIONS, BY APPROPRIATE MEANS, OR BY SPECIFIC MEANS DESCRIBED IN THE PROJECT'S PLANS, SPECIFICATIONS OR STORM WATER POLLUTION PREVENTION REPORT, UNTIL SUCH TIME THAT THE PROJECT IS COMPLETED AND ACCEPTED FOR MAINTENANCE BY WHOMEVER IS TO BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND THE AGENCY HAVING JURISDICTION. THE DESIGN ENGINEER SHALL HAVE NO RESPONSIBILITY TO DIRECT THE CONTRACTOR REGARDING THE MEANS AND METHODS OF STORMWATER POLLUTION PREVENTION, SEQUENCE, OR SCHEDULE.
- ALL SHOP DRAWINGS, RFIS AND ANY OTHER DOCUMENTS THAT REQUIRE DESIGN ENGINEER REVIEW SHALL BE SUBMITTED BY THE CONTRACTOR SUFFICIENTLY IN ADVANCE OF CONSTRUCTION OF THAT ITEM, TO ALLOW ADEQUATE REVIEW, COORDINATION AND RESPONSE. SAID DOCUMENTS ARE NOT A DIRECTION FROM THE DESIGN ENGINEER TO MODIFY THE CONTRACTOR'S SCOPE, SCHEDULE OR PRICE, AND THE CONTRACTOR WARRANTS NOT TO USE THEM AS SUCH.
- THE CONTRACTOR SHALL ENSURE APPROPRIATE LICENSED PROFESSIONALS HAVE BEEN RETAINED BY THE CONTRACTOR TO PROVIDE ANY/ALL REQUIRED PROJECT CERTIFICATIONS AS MAY BE REQUIRED BY ANY DAMAGES HAVING JURISDICTION. THE DESIGN ENGINEER WILL NOT PROVIDE ANY PROJECT CERTIFICATIONS UNLESS SPECIFICALLY RETAINED BY THE OWNER TO PROVIDE LIMITED SERVICES.
- CONTRACTOR SHALL RETAIN A LICENSED SURVEYOR TO DOCUMENT ALL CHANGES TO THE APPROVED CONSTRUCTION DOCUMENTS DURING CONSTRUCTION. THE LICENSED SURVEYOR SHALL PREPARE A SIGNED AND SEALED "AS-BUILT" DRAWING UPON COMPLETION OF CONSTRUCTION. THE DESIGN ENGINEER IS NOT RESPONSIBLE FOR THE PREPARATION IN WHOLE OR IN PART OF THE "AS-BUILT" DRAWINGS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MONUMENTATION AND BENCHMARKS WHICH WILL BE DISTURBED OR DESTROYED BY CONSTRUCTION. SUCH POINTS SHALL BE REFERENCED AND REPLACED WITH APPROPRIATE MONUMENTATION BY A LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING. A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED BY THE LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER AS REQUIRED BY THE MOST CURRENT VERSION OF THE LAND SURVEYORS ACT.

PROJECT CLOSEOUT

CONTRACTOR SHALL PROVIDE THE NECESSARY ITEMS INCLUDING ANY TESTING, REPORTS, OR CERTIFICATION DOCUMENTS REQUIRED BY THE GOVERNING JURISDICTIONS TO PROPERLY CLOSEOUT THE PROJECT BEFORE IT CAN BE DEEMED COMPLETE.

	EARTHWORK QUANTITY ADJUSTMENT		CS
	DESCRIPTION of REVISION	DATE	CITY APPROVED

CITY OF RANCHO CUCAMONGA

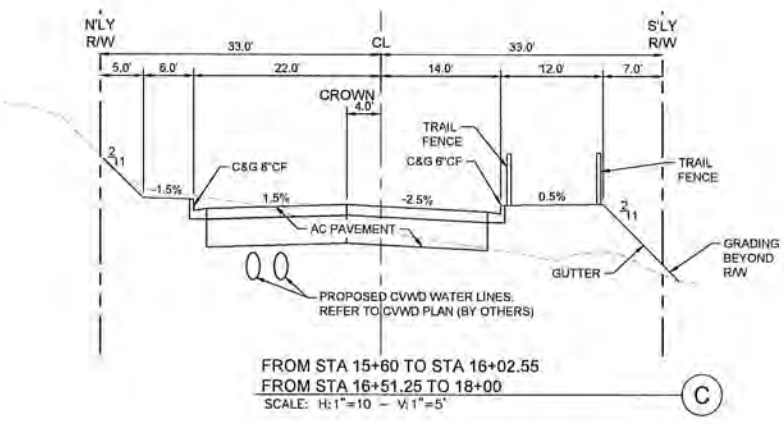
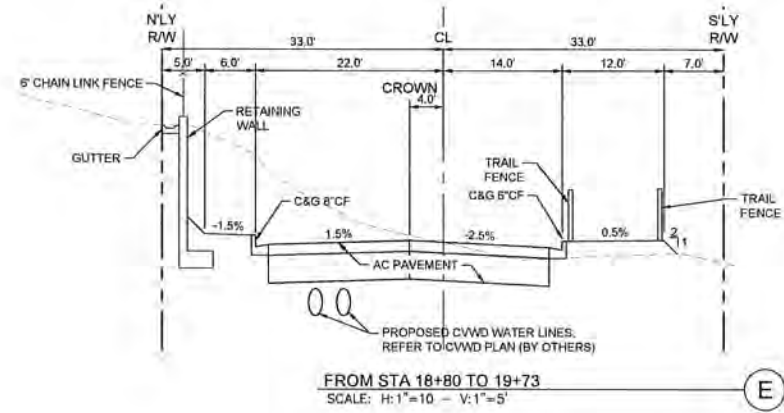
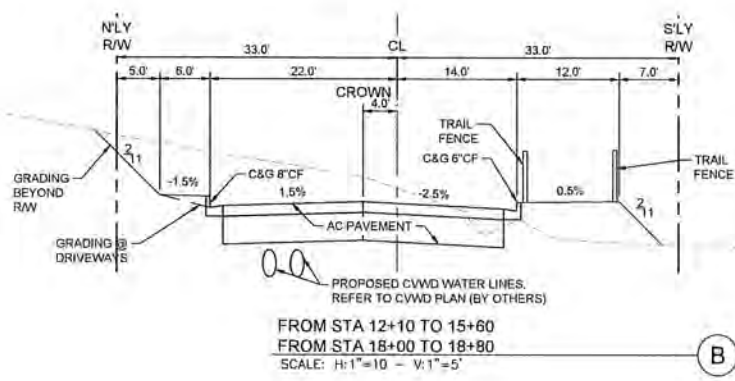
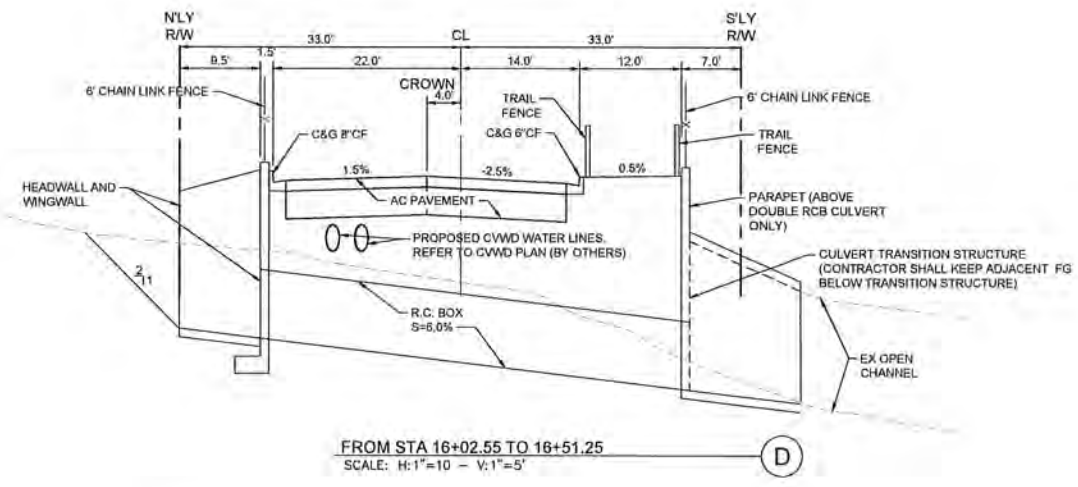
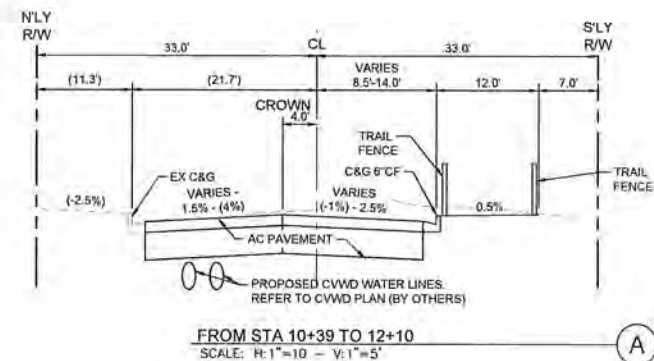
GENERAL NOTES

CIP PROJECT NO. 800-2025-07	
APPROVED BY: CITY ENGINEER	DATE: _____ RCE: _____
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DRAWN MA 2/4/26	DRAWING NO. GN-01
CHECKED SC 2/4/26	RCE No _____ SHEET
DATE _____	FILE No _____ 2 OF 20



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

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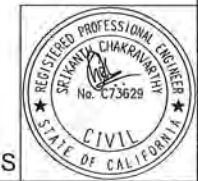
CITY OF RANCHO CUCAMONGA

TYPICAL SECTIONS

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APPROVED BY: DATE: RCE: 67514

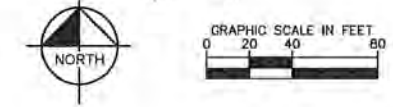
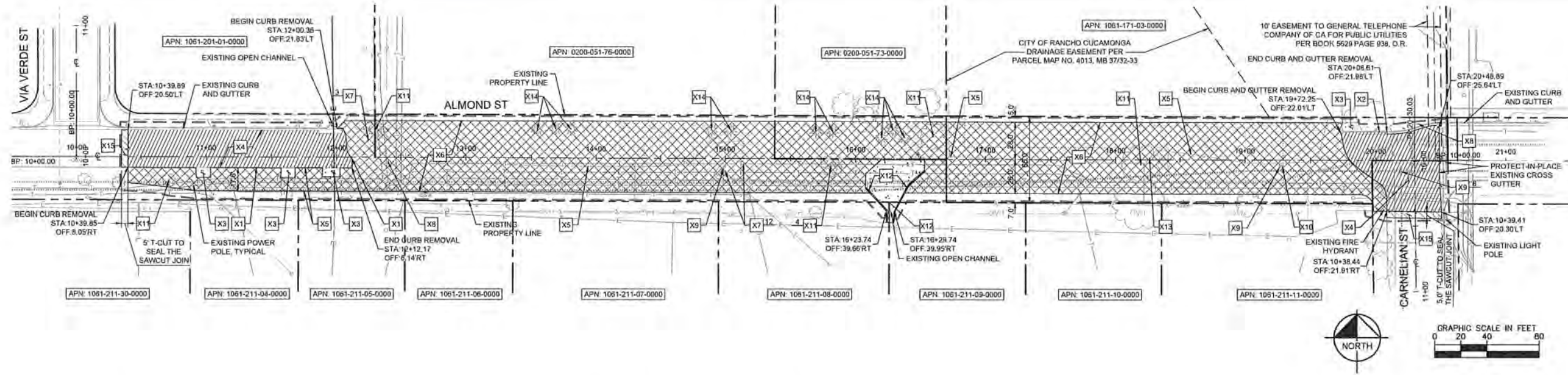
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LEGEND

- CENTER LINE
- EXISTING RIGHT-OF-WAY LINE
- SAWCUT LINE
- CIVIL LIMIT OF WORK LINE
- EX WATER LINE
- EX TELECOM LINE
- EX ELECTRIC LINE
- EX CHAIN LINK FENCE
- EX CONCRETE CHANNEL HEADWALL
- CLEARING AND GRUBBING
- REMOVE FULL DEPTH AC PAVEMENT AND AGGREGATE BASE
- REMOVE PORTLAND CEMENT CONCRETE (INCLUDES SIDEWALK, CURB AND GUTTER, CURB RAMPS, AND DRIVEWAY APPROACHES)
- GRIND 2" OF EXISTING PAVEMENT

GENERAL DEMOLITION NOTES

1. SEE ST-01 FOR LINE/CURVE DATA.
2. THE CONTRACTOR SHALL CLEAR THE PROJECT SITE AREA WITHIN THE CONFINES OF THE DEMOLITION LIMIT LINE. THE CONTRACTOR SHALL CAP IN PLACE ALL EXISTING UTILITIES AT THE DEMOLITION LIMIT LINE, UNLESS NOTED ON THE PLAN. THE CONTRACTOR SHALL DEMOLISH AND REMOVE FROM THE SITE ALL EXISTING UTILITY STRUCTURES, PLANTERS, TREES, AND ALL OTHER SITE FEATURES, UNLESS OTHERWISE NOTED ON THE PLAN.
3. DEMOLITION AND REMOVAL OF PAVEMENT INCLUDES PAVEMENT THICKNESS AS WELL AS BASE COURSE THICKNESS.
4. REMOVAL OF LANDSCAPING SHALL INCLUDE ROOTS AND ORGANIC MATERIAL.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY AND ALL PERMITS AND SHALL PAY ALL FEES NECESSARY FOR ENCROACHMENT, GRADING, DEMOLITION, AND DISPOSAL OF SAID MATERIALS AS REQUIRED BY PRIVATE, LOCAL AND STATE JURISDICTIONS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR A SITE INSPECTION TO FULLY ACKNOWLEDGE THE EXTENT OF DEMOLITION WORK.
7. THE CONTRACTOR SHALL VERIFY AND LOCATE ALL EXISTING ABOVE AND UNDERGROUND UTILITIES. LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND ARE SHOWN FOR GENERAL INFORMATION ONLY.
8. DAMAGE TO ANY EXISTING UTILITIES AND SERVICES TO REMAIN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL REPAIR AND/OR REPLACE IN KIND.
9. EROSION CONTROL MEASURES SHALL BE IMPLEMENTED TO PREVENT DEBRIS AND UNSUITABLE MATERIALS FROM ENTERING STORM DRAINS, SANITARY SEWERS AND STREETS.
10. DUST CONTROL MEASURES SHALL BE IMPLEMENTED DURING DEMOLITION.
11. DEMOLITION IS LIMITED TO WITHIN THE DEMOLITION LIMIT LINE UNLESS OTHERWISE NOTED.
12. CONTRACTOR SHALL REMOVE DEMOLISHED MATERIALS FROM THE SITE AS WORK PROGRESSES.
13. THE DRAWINGS MAY NOT INDICATE IN DETAIL ALL DEMOLITION WORK TO BE PERFORMED. THE CONTRACTOR SHALL EXAMINE EXISTING CONDITIONS TO DETERMINE THE FULL EXTENT OF DEMOLITION.
14. ALL DEMOLITION SHALL COMPLY WITH CHAPTER 33 OF THE CALIFORNIA FIRE CODE.
15. CONTRACTOR TO USE CARE IN HANDLING DEBRIS FROM SITE TO ENSURE THE SAFETY OF THE PUBLIC. HAUL ROUTE TO BE CLOSELY MONITORED FOR DEBRIS OR MATERIALS TRACKED ONTO ADJOINING ROADWAYS, SIDEWALKS, ETC. ROADWAYS AND WALKWAYS TO BE CLEARED DAILY OR AS NECESSARY TO MAINTAIN PUBLIC SAFETY.
16. SEE EROSION CONTROL PLAN FOR REMAINING INLET PROTECTION AND EROSION PREVENTION.
17. CONTINUOUS ACCESS SHALL BE MAINTAINED FOR SURROUNDING PROPERTIES AT ALL TIMES DURING DEMOLITION OF EXISTING FACILITIES.
18. ALL EXISTING FEATURES NOT CALLED OUT FOR DEMOLITION SHALL BE PROTECTED IN PLACE. ANY DAMAGE TO EXISTING FEATURES SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR OR REPLACE AT NO ADDITIONAL COST.

DEMOLITION NOTES

- X1 REMOVE AND DISPOSE OF EXISTING CURB.
- X2 REMOVE AND DISPOSE OF EXISTING CURB AND GUTTER.
- X3 REMOVE AND DISPOSE OF EXISTING PCC DRIVEWAY.
- X4 REMOVE AND DISPOSE OF ASPHALT CONCRETE PAVEMENT AND BASE COURSE.
- X5 REMOVE AND DISPOSE OF EXISTING CHAIN LINK FENCE, POST, AND FOUNDATION.
- X6 CLEAR AND GRUB EXISTING LANDSCAPE AREA.
- X7 REMOVE AND DISPOSE OF EXISTING BOLLARD(S).
- X8 REMOVE AND SALVAGE OF EXISTING SIGN. CONTRACTOR SHALL COORDINATE WITH CITY REGARDING STORAGE LOCATION.
- X9 ADJUST TO GRADE EXISTING WATER VALVE.
- X10 REMOVE AND RELOCATE EXISTING WATER METER. CONTRACTOR SHALL COORDINATE WITH UTILITY PURVEYOR REGARDING THE CONNECTION.
- X11 REMOVE AND DISPOSE OF EXISTING TREE(S).
- X12 REMOVE AND DISPOSE OF EXISTING WARPED WINGWALLS AND CONCRETE APRON UPSTREAM OF THE EXISTING U-CHANNEL.
- X13 REMOVE AND RELOCATE EXISTING WROUGHT IRON GATE.
- X14 REMOVE AND PROPERLY DISPOSE OF EXISTING ORANGE TREE(S). LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL VERIFY FINAL QUANTITY AND FIELD LOCATE ALL TREES PRIOR TO DEMOLITION.
- X15 COLD PLANE EXISTING PAVEMENT TO A DEPTH OF 2".

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#	DESCRIPTION OF REVISION	DATE	CITY APPROVED

CITY OF RANCHO CUCAMONGA

DEMOLITION PLAN

CIP PROJECT NO. 800-2025-07

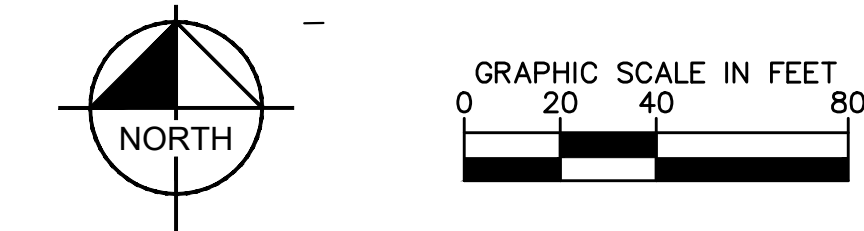
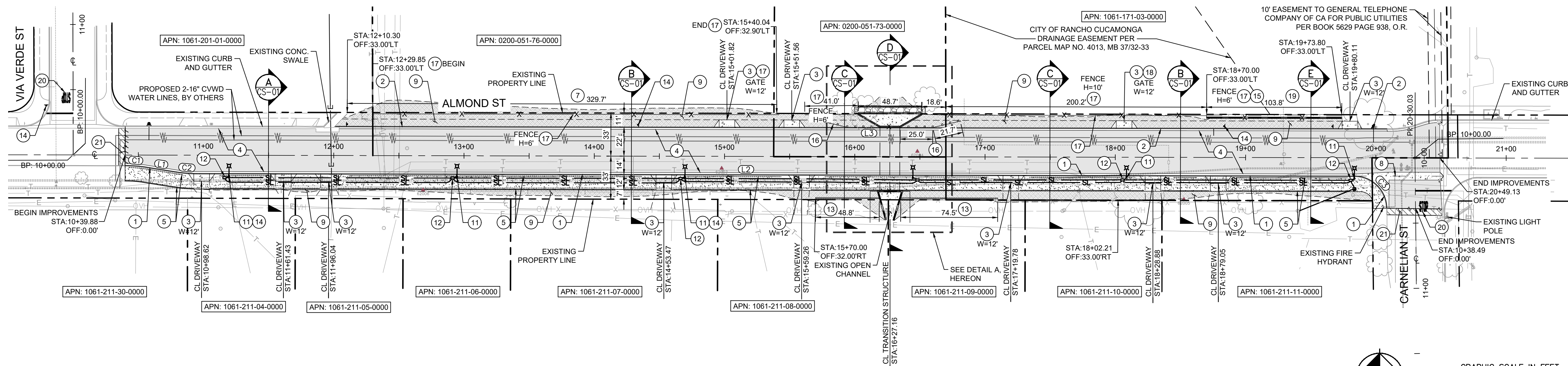
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100% DESIGN PLANS



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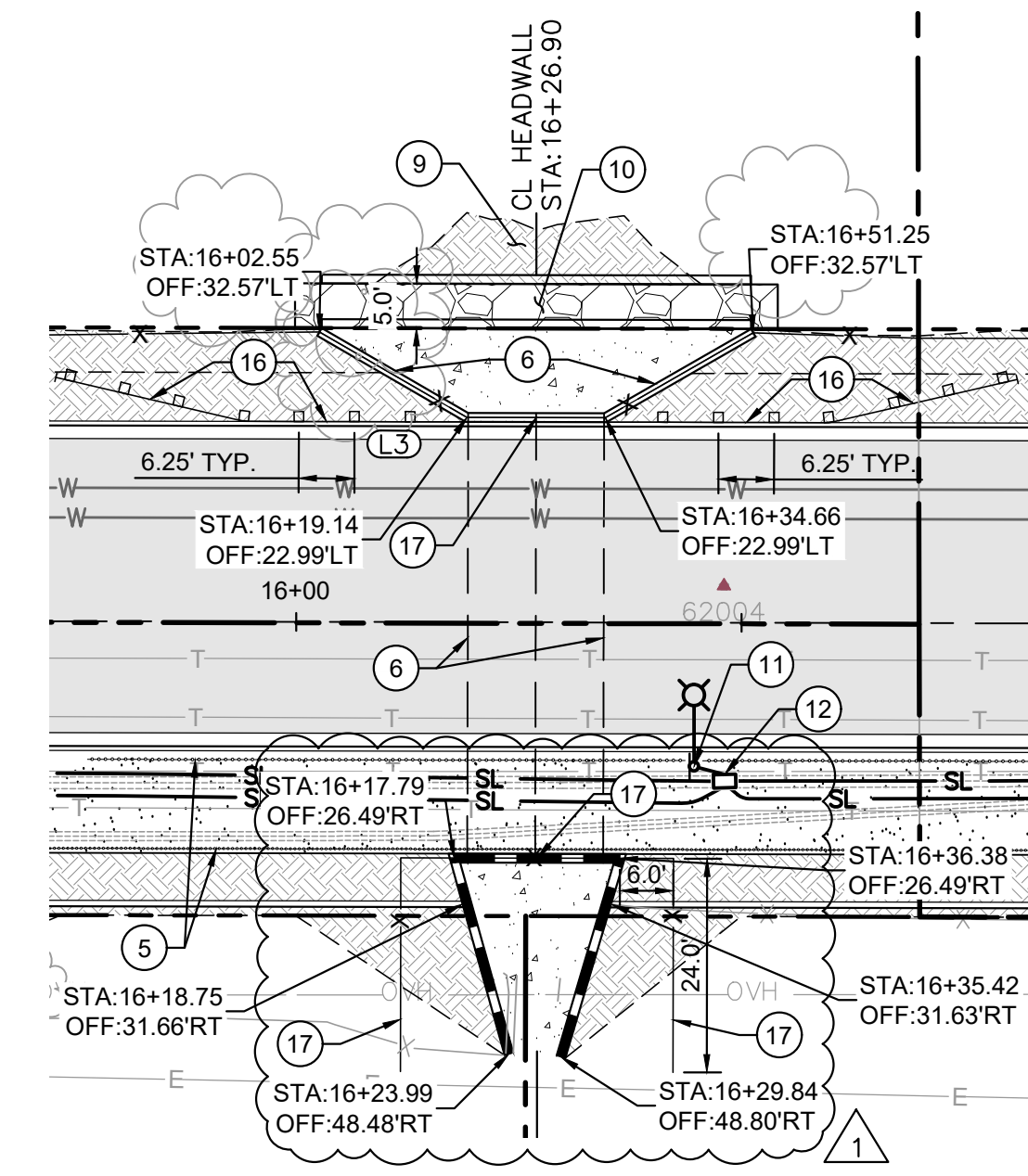
- — — — — CENTER LINE
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- - - - - SAWCUT LINE
- - - - - EASEMENT LINE
- W — — — — — PROPOSED CVWD WATER LINE (BY OTHERS)
- T — — — — — EX CVWD WATER LINE
- E — — — — — EX TELECOM LINE
- X — — — — — EX ELECTRIC LINE
- X — — — — — EX CHAIN LINK FENCE
- I — — — — — PROPOSED PROTECTIVE GUARD RAIL
- X — — — — — PROPOSED CHAIN LINK FENCE

PAVEMENT LEGEND

- REFER TO GEOTECH RECOMMENDATIONS FOR PAVEMENT SECTIONS.
- CONCRETE PAVEMENT (6" PCC)
 - ASPHALT CONCRETE PAVEMENT (3.5" AC OVER 4" CAB)
 - 2" OVERLAY
 - RIPRAP
 - DECOMPOSED GRANITE
 - GRADING ONLY (2:1 MAX)

CONSTRUCTION NOTES

- 1 CONSTRUCT 6" CURB AND GUTTER PER CITY OF R.C. STD PLAN 104 (A2-6). SEE DRAWING NO. DT-01, DETAIL A.
- 2 CONSTRUCT 8" CURB AND GUTTER PER CITY OF R.C. STD PLAN 104 (A2-8). SEE DRAWING NO. DT-01, DETAIL A.
- 3 CONSTRUCT CONCRETE DRIVE APPROACH 12" MIN PER CITY OF R.C. STD PLAN 101-A (TYPE R-2). SEE PLAN FOR DRIVEWAY WIDTH. SEE DRAWING NO. DT-01, DETAIL B.
- 4 CONSTRUCT FULL DEPTH ASPHALT CONCRETE PAVEMENT, PG 64-10 PER CITY OF R.C. STD PLAN 100-A AND GEOTECH RECOMMENDATION FOR PAVEMENT SECTION THICKNESS (3.5" AC OVER 4" CAB). SEE DRAWING NO. DT-01, DETAIL E.
- 5 CONSTRUCT TRAIL PER CITY OF R.C. STD PLAN 1002-B. SEE DRAWING NO. DT-01, DETAIL C.
- 6 CONSTRUCT CULVERT AND WINGWALLS. SEE DRAWING NO. UT-01 FOR DETAILS.
- 7 GRADING BEYOND PROPERTY LINE. CONTRACTOR SHALL CONTACT CITY AND PROPERTY OWNER PRIOR TO CONSTRUCTION.
- 8 CONSTRUCT CROSS GUTTER PER CITY OF R.C. STD PLAN 106-A. SEE DRAWING NO. DT-01, DETAIL D.
- 9 CONSTRUCT 3" DG TRAIL AT 0.5% MIN AT WALKWAYS, NATIVE FILL AT 2:1 MAX AT SLOPES. PLACE, COMPACT, AND GRADE NATIVE FILL MATERIAL TO MEET SUBGRADE ELEVATIONS. SEE DRAWING NO. CS-01 FOR DETAILS.
- 10 INSTALL UNGROUTED CLASS VII RSP 1 TON 4.4 FEET THICK RIP-RAP WITH MIRAFI 180NC NON-WOVEN FILTER FABRIC. SEE DRAWING NO. DT-02, DETAIL N.
- 11 INSTALL STREET LIGHT POLE. SEE DRAWING NO. SL-01 FOR DETAILS.
- 12 INSTALL PULLBOX. SEE DRAWING NO. SL-01 FOR DETAILS.
- 13 CONSTRUCT RETAINING CURB. SEE DRAWING NO. DT-02, DETAIL M.
- 14 INSTALL SIGN. SEE DRAWING NO. SS-01 FOR DETAILS.
- 15 CONSTRUCT RETAINING WALL. SEE DRAWING NO. S-04 FOR DETAILS.
- 16 FURNISH AND INSTALL MIDWEST GUARDRAIL SYSTEM PER CALTRANS STD PLAN A77P1. SEE DRAWING NO. DT-01, DETAIL H.
- 17 FURNISH AND INSTALL CHAIN LINK FENCE AND GATE PER CITY OF R.C. STD PLAN 607. SEE DRAWING NO. DT-01, DETAIL F AND G.
- 18 RELOCATE EXISTING WROUGHT IRON GATE INCLUDING POST.
- 19 CONSTRUCT RETAINING WALL GUTTER PER CALTRANS STANDARD PLAN B3-6. INSTALL GUTTER OUTLETS AT 15' O.C. SEE DRAWING NO. DT-02, DETAIL L.
- 20 INSTALL PAVEMENT MARKING. SEE DRAWING NO. SS-01 FOR DETAILS.
- 21 COLD PLANE EXISTING PAVEMENT TO A DEPTH OF 2", CONSTRUCT 2" THICK ASPHALT CONCRETE PAVEMENT, PG 64-10.



CULVERT
SCALE: 1"=20'

LINE AND CURVE TABLE			
NO.	DELTA OR BRG	RADIUS	LENGTH
C1	Δ=9° 21' 01"	100.00'	16.32'
C2	Δ=8° 53' 09"	100.00'	15.51'
C3	Δ=89° 20' 15"	25.00'	38.98'
L1	S 80°59'18" E		23.27'
L2	S 89°52'27" E		889.07'
L3	S 89°52'24" E		807.94'

#	DESCRIPTION OF REVISION	DATE	CITY APPROVED
3			
2	REPLACE ARHM-GG-C-PG 64-16 WITH CONVENTIONAL ASPHALT PG 64-10	02/02/26	CS
1	REMOVE RAILING ON TOP OF TRANSITION STRUCTURE AND REPLACE WITH CHAIN-LINK FENCE	01/28/26	CS

CITY OF RANCHO CUCAMONGA

STREET IMPROVEMENTS PLAN

CIP PROJECT NO. **800-2025-07**

APPROVED BY: CITY ENGINEER DATE: _____
RCE: _____

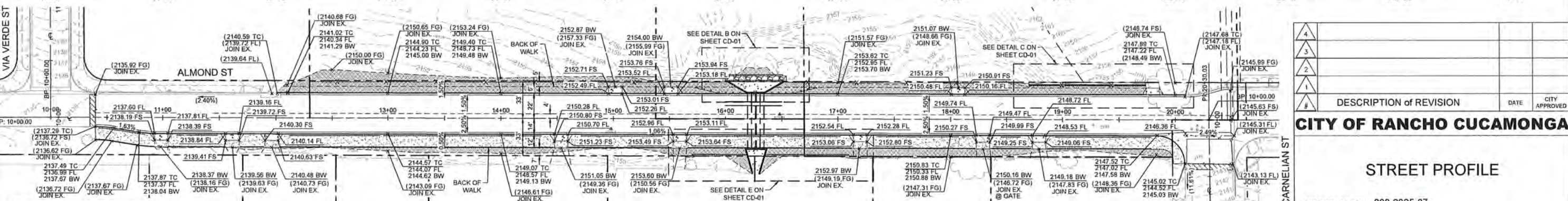
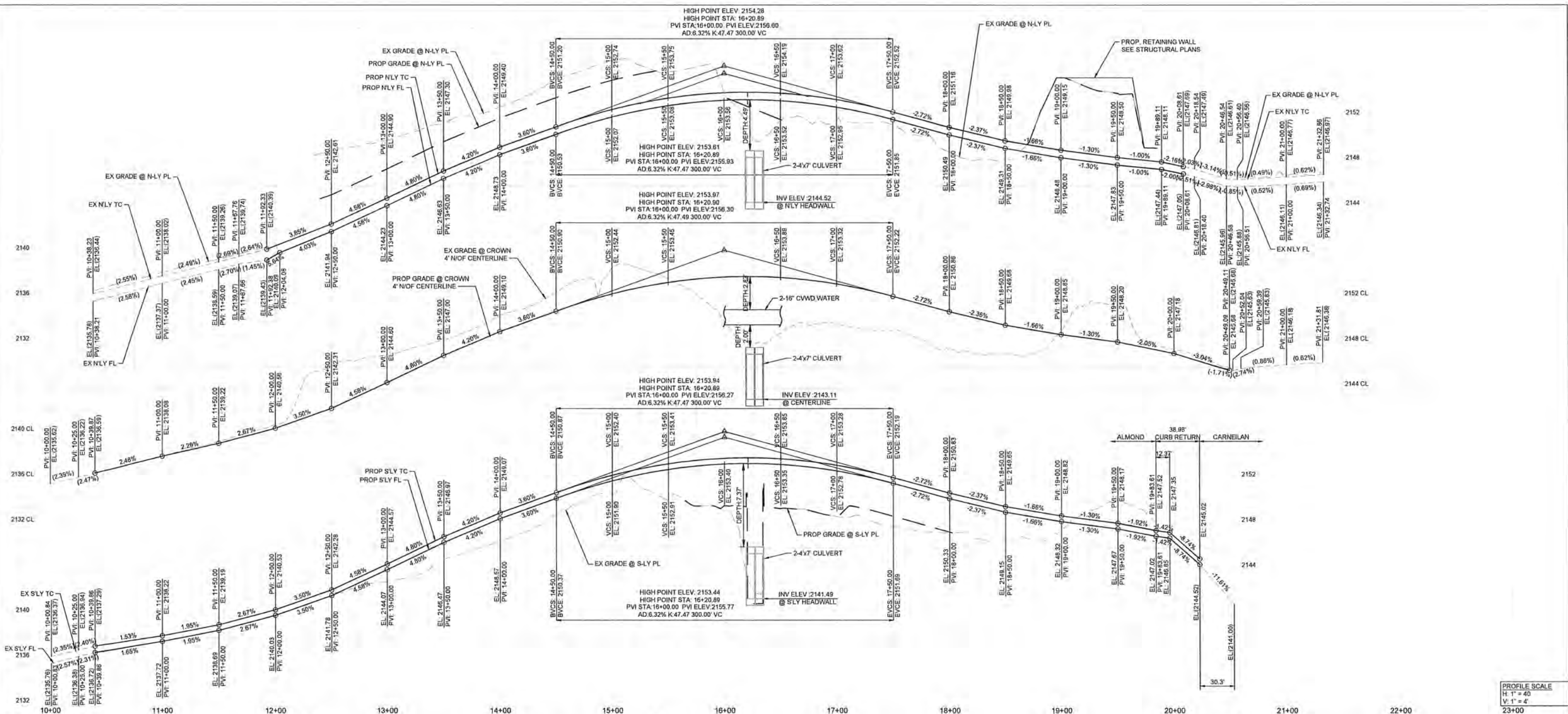
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CHECKED SC 2/2/26	RCE No. _____	SHEET 5 OF 20
DATE _____	FILE No. _____	



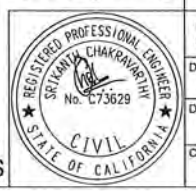
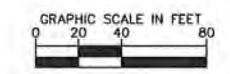
100% DESIGN PLANS

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NO.	DESCRIPTION OF REVISION	DATE	CITY APPROVED
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CITY OF RANCHO CUCAMONGA

STREET PROFILE

CIP PROJECT NO. 800-2025-07

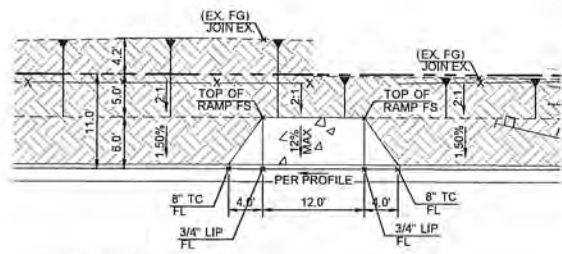
APPROVED BY: CITY ENGINEER [Signature] DATE: RCE: 67514

DESIGN MA 1/19/26
DRAWN MA 1/19/26
CHECKED SC 1/19/26

Kimley Horn
2226 KIMLEY HORN AND ASSOCIATES, INC.
2152 Springdale Court, Suite 209
San Diego, California 92155

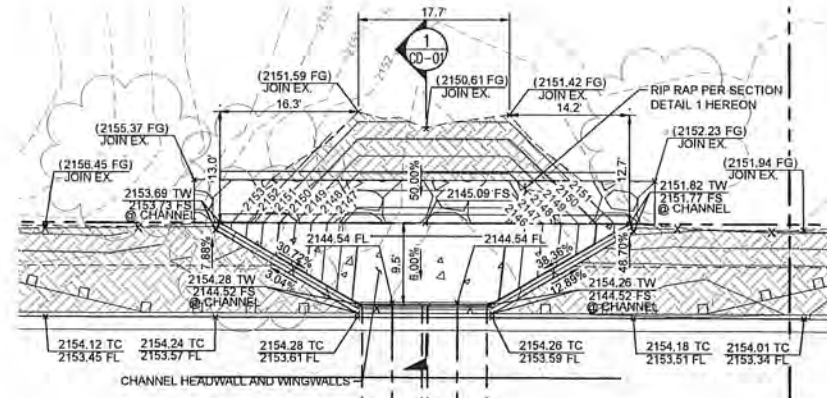
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DRAWING NO. ST-02
SHEET 6 OF 20

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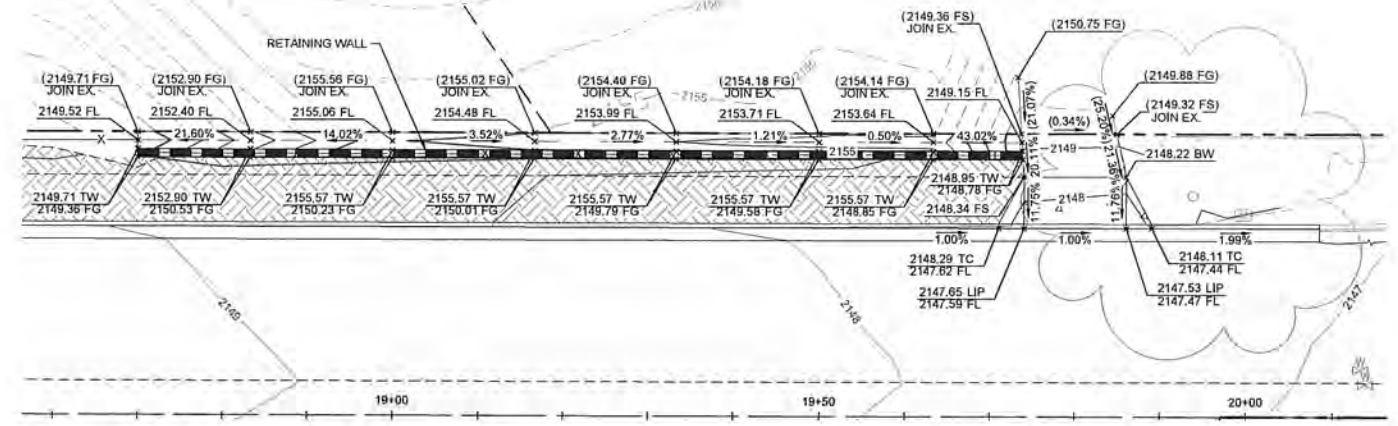


ALMOND ST

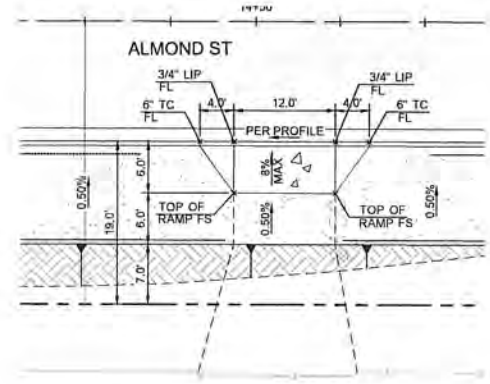
TYPICAL DRIVEWAY - NORTH
SCALE: 1"=10'



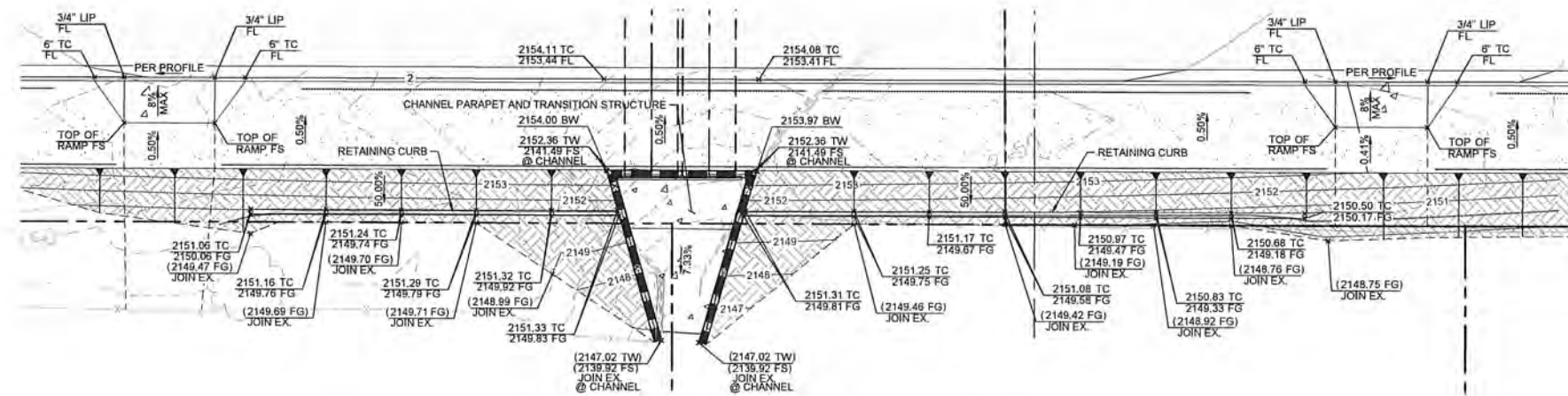
CHANNEL WARPED WINGWALL - NORTH
SCALE: 1"=10'



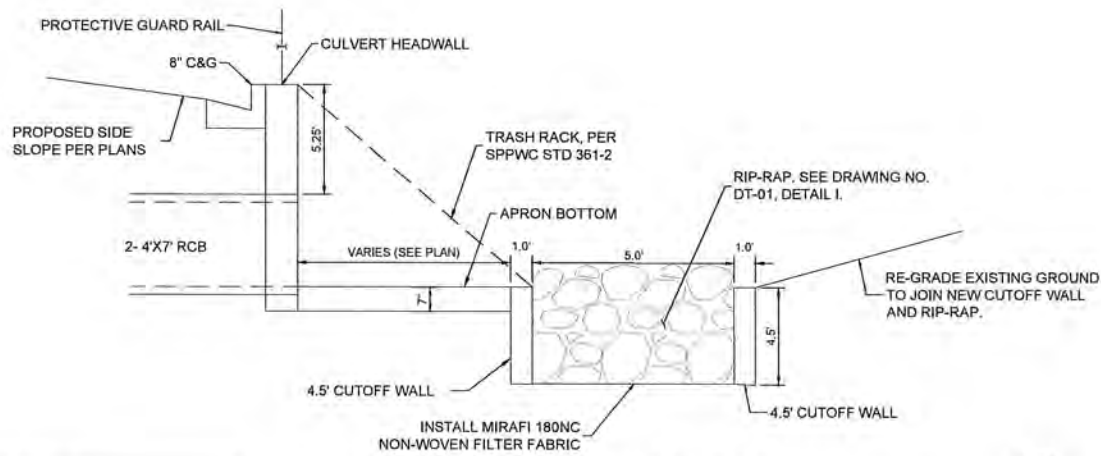
EAST DRIVEWAY JOIN TO EXISTING
SCALE: 1"=10'



TYPICAL DRIVEWAY - SOUTH - CASE 1
SCALE: 1"=10'



CHANNEL TRANSITION STRUCTURE AND PARAPET
SCALE: 1"=10'



RIP-RAP INSTALLATION AT CHANNEL
SCALE: NTS

#	DESCRIPTION OF REVISION	DATE	CITY APPROVED
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CITY OF RANCHO CUCAMONGA

CONSTRUCTION DETAILS

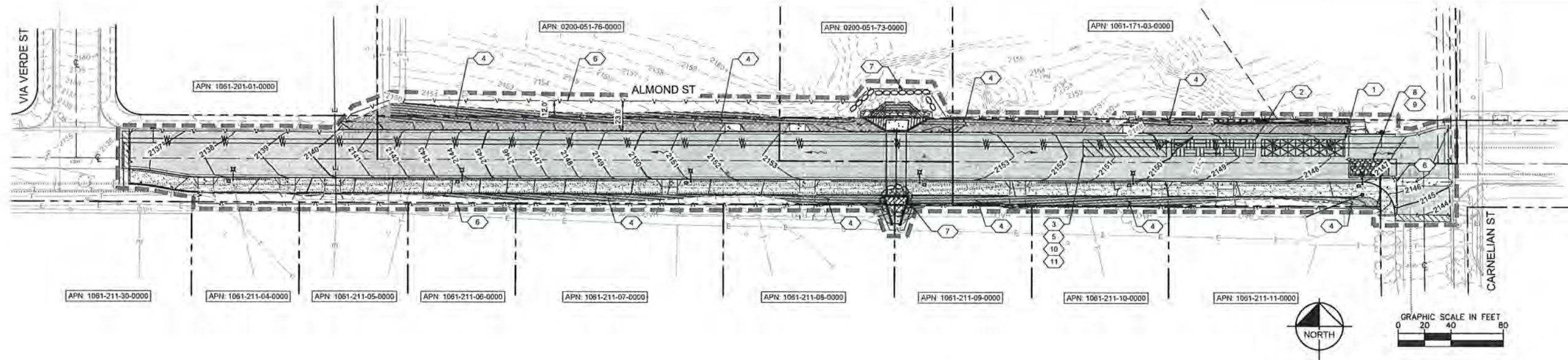
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APPROVED BY: CITY ENGINEER	DATE: RCE: 67514
DESIGN MA 1/19/26	RECOMMENDED CS
DRAWN MA 1/19/26	DRAWING NO. CD-01
CHECKED SC 1/19/26	SHEET 7 OF 20



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LEGEND

- CENTER LINE
- - - - EXISTING RIGHT-OF-WAY LINE
- - - - SAWCUT LINE
- - - - CIVIL LIMIT OF WORK LINE
- - - - PROPOSED SILT FENCE
- - - - PROPOSED CWWD WATER LINE (BY OTHERS)
- - - - EX WATER LINE
- - - - EX TELECOM LINE
- - - - EX ELECTRIC LINE
- - - - EX CHAIN LINK FENCE
- [Pattern] CONSTRUCTION ENTRANCE
- [Pattern] STOCKPILE AREA
- [Pattern] SANITARY AREA, TRASH STORAGE, HAZARDOUS MATERIAL, CONCRETE MANAGEMENT, VEHICLE MAINTENANCE AND EQUIPMENT STORAGE AREA
- [Pattern] MATERIAL STORAGE AND DELIVERY
- [Arrow] DIRECTION OF FLOW
- [Symbol] INLET PROTECTION
- [Symbol] GRAVEL BAG PROTECTION

MAINTENANCE NOTES

- ALL MEASURES STATED ON THIS SITE MAP, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR THE APPLICABLE PERMIT, WHICHEVER IS MORE STRINGENT, AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:
- INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING OR DETERIORATION.
 - ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RESEEDED AS NEEDED.
 - THE CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION EXITS AS CONDITIONS DEMAND.
 - THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AREA AS CONDITIONS DEMAND.
 - OUTLET STRUCTURES IN THE SEDIMENTATION BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES. SEDIMENT SHALL BE REMOVED FROM SEDIMENT BASINS OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 50%.
 - BMP'S AND LAYDOWN AREA MAY BE MOVED AND REVISED TO MEET THE CONTRACTORS MEANS AND METHODS. CONTRACTOR SHALL COORDINATE WITH THE CITY ENGINEER FOR APPROVAL PRIOR TO FINAL LOCATION DETERMINATION FOR THE PROJECT CONSTRUCTION.

EROSION CONTROL NOTES

- WM-1, MATERIAL DELIVERY AND STORAGE.
- WM-3, STOCKPILE MANAGEMENT, CONTRACTOR TO SET UP STOCKPILE AREA.
- WM-5, SANITARY AREA.
- EC-4, CONTRACTOR SHALL APPLY HYDROSEEDING ON SLOPES STEEPER THAN 2:1 IN ACCORDANCE WITH CASQA BMP EC-4.
- WM-8, CONCRETE WASTE MANAGEMENT.
- SE-1 - SILT FENCE. SEE DRAWING NO. EC-02, DETAIL A. CONTRACTOR TO MAINTAIN DURING ALL GRADING & MOBILIZATION ACTIVITIES.
- SE-10, INSTALL RUNOFF BARRIER. SEE DRAWING NO. EC-02, DETAIL B.
- TR-1, STABILIZED CONSTRUCTION ENTRANCE/EXIT. SEE DRAWING NO. EC-02, DETAIL C.
- TR-3, ENTRANCE/OUTLET TIRE WASH. SEE DRAWING NO. EC-02, DETAIL D.
- NS-10, VEHICLE AND EQUIPMENT MAINTENANCE.
- SD-32, TRASH STORAGE AREA.

GENERAL EROSION CONTROL NOTES

- ERODED SEDIMENTS AND POLLUTANTS SHALL BE RETAINED ON SITE AND SHALL NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE OR WIND.
- STOCKPILES OF EARTH AND OTHER CONSTRUCTION-RELATED MATERIALS SHALL BE COVERED AND/OR PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY WIND OR WATER.
- FUELS, OILS, SOLVENTS AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTINGS AND SHALL NOT CONTAMINATE THE SOIL NOR THE SURFACE WATERS. ALL APPROVED TOXIC STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF PROPERLY AND SHALL NOT BE WASHED INTO THE DRAINAGE SYSTEM.
- NON-STORM WATER RUNOFF FROM EQUIPMENT AND VEHICLE WASHING AND ANY OTHER ACTIVITY SHALL BE CONTAINED ON THE PROJECT SITE.
- EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC WAY OR ANY DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTE ON-SITE UNTIL IT CAN BE APPROPRIATELY DISPOSED OF OR RECYCLED.
- TRASH AND CONSTRUCTION -RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF STORM WATER AND DISPERSAL BY WIND.
- SEDIMENTS AND OTHER MATERIALS SHALL NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE STREET/PUBLIC WAYS. ACCIDENTAL DEPOSITIONS MUST BE SWEEPED UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR BY ANY OTHER MEANS.
- RETENTION BASINS OF SUFFICIENT SIZE SHALL BE PROVIDED TO RETAIN STORM WATER RUNOFF ON-SITE AND SHALL BE PROPERLY LOCATED TO COLLECT ALL TRIBUTARY SITE RUNOFF.
- WHERE RETENTION OF STORM WATER RUNOFF ON-SITE IS NOT FEASIBLE DUE TO SITE CONSTRAINTS, RUNOFF MAY BE CONVEYED TO THE STREET AND THE STORM DRAIN SYSTEM PROVIDED THAT AN APPROVED FILTERING SYSTEM IS INSTALLED AND MAINTAINED ON-SITE DURING THE CONSTRUCTION DURATION.
- ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED SO AS TO INHIBIT EROSION BY WIND AND WATER.
- STORM WATER POLLUTION CONTROL REQUIREMENTS MUST BE INTEGRATED ONTO THE EROSION CONTROL PLANS FOR ANY CONSTRUCTION BETWEEN OCTOBER 1 AND APRIL 15. THE NOTES AND BMP'S AS OUTLINED IN, BUT NOT LIMITED TO, THE BEST MANAGEMENT PRACTICE HANDBOOK, CALIFORNIA STORM WATER QUALITY TASK FORCE, SACRAMENTO, CALIFORNIA 1993, OR THE LATEST REVISED EDITION MAY APPLY DURING THE CONSTRUCTION OF PROJECT (ADDITIONAL MEASURES MAY BE REQUIRED IF DEEMED APPROPRIATE BY CITY INSPECTIONS).
- TEMPORARY EROSION CONTROL DEVICES SHOWN ON THE PLANS WHICH INTERFERE WITH THE WORK SHALL BE RELOCATED OR MODIFIED AS AND WHEN THE CONTRACTOR AND/OR THE INSPECTOR SO DIRECTS AS THE WORK PROGRESSES.
- ALL STANDARDS REFERENCED FROM 2009 CASQA CONSTRUCTION BMP BOOK.

BMP NOTES

- THE FOLLOWING BMP'S AS OUTLINED IN, BUT NOT LIMITED TO, THE CALIFORNIA STORMWATER BMP HANDBOOK DATED NOVEMBER 2009, OR THE LATEST REVISED EDITION, MAY APPLY DURING THE CONSTRUCTION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED AS NEEDED.
- EC-4, HYDROSEEDING
 - SC-10, NON-STORMWATER DISCHARGES
 - SC-20, VEHICLE AND EQUIPMENT FUELING
 - SC-31, OUTDOOR CONTAINER STORAGE
 - SC-34, WASTE HANDLING & DISPOSAL
 - SC-70, ROAD AND STREET MAINTENANCE
 - SC-75, WASTE HANDLING AND DISPOSAL
- CONTRACTOR RESPONSIBLE FOR TRAFFIC CONTROL AND PEDESTRIAN CONTROL WHILE PERFORMING WORK IN THE PUBLIC RIGHT-OF-WAY.
- SITE PREPARATION SHOULD BE IN ACCORDANCE WITH GEOTECHNICAL INVESTIGATION
- CONTRACTOR TO USE BEST MANAGEMENT PRACTICES TO ENSURE COMPLIANCE WITH NPDES AND WATER MANAGEMENT DISTRICT REGULATIONS FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES AND DEWATERING OPERATIONS.

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CITY OF RANCHO CUCAMONGA

EROSION CONTROL PLAN

CIP PROJECT NO. 800-2025-07

APPROVED BY: DATE: 6/25/24
CITY ENGINEER RCE: 67514

DESIGN MA 1/19/25
DRAWN MA 1/19/25
CHECKED SC 1/19/25

Kimley-Horn
Q2024 KIMLEY-HORN AND ASSOCIATES, INC.
25152 Eppingford Court, Suite 200
Folsom, California 95755

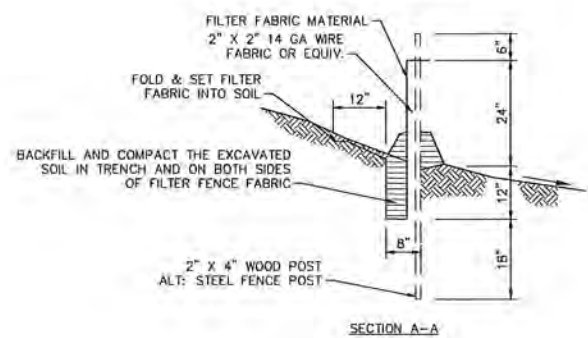
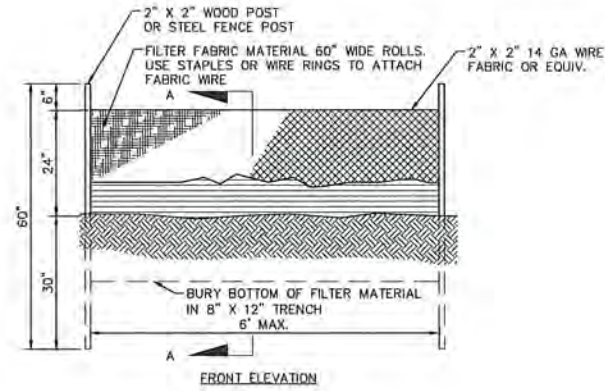
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DRAWING NO. EC-01
SHEET # OF 20



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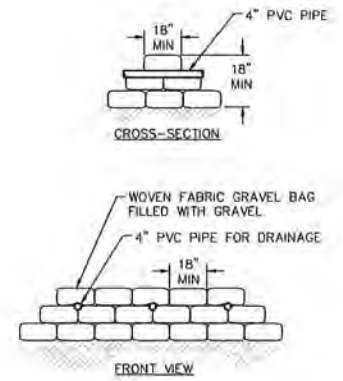
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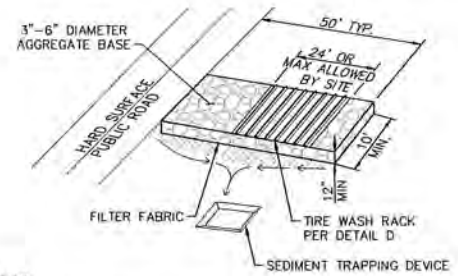


- NOTES:**
1. CONSTRUCT SILT FENCE ALONG A LEVEL CONTOUR.
 2. WHEN STANDARD STRENGTH FILTER FABRIC IS USED A WIRE MESH SUPPORT FENCE SHALL BE FASTENED TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY-DUTY WIRE STAPLES OR LEAST 1" LONG TIE WIRES OR HOOD RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 4".
 3. STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE AND 40" OF THE FABRIC SHALL EXTEND INTO THE TRENCH. WHEN EXTRA-STRENGTH FILTER FABRIC AND CLOSER POST SPACING ARE USED THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED AND THE FILTER FABRIC STAPLED OR WIRED DIRECTLY TO THE POSTS.
 4. FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL THEN CUT TO THE LENGTH OF THE BARRIER. WHEN JOINTS ARE NECESSARY FILTER CLOTH SHALL BE SPICED TOGETHER ONLY TO A SUPPORT POST WITH A MINIMUM 6" OVERLAP AND BOTH AND SECURELY FASTENED TO THE POST.
 5. THE TRENCH SHALL BE BACKFILLED WITH IMPACTED NATIVE MATERIAL.
 6. IF 85% OR MORE OF A SOIL BY WEIGHT PASSES THROUGH THE OPENINGS IN A NO. 200 SIEVE (U.S. STANDARD) FILTER FABRIC SHALL NOT BE USED.
 7. FILTER FABRIC MATERIAL SHALL CONTAIN ULTRAVIOLET RAY INHIBITORS AND STABILIZERS TO PROVIDE A MINIMUM OF 6 MONTHS OF EXPECTED USABLE CONSTRUCTION LIFE AT A TEMPERATURE RANGE OF 0 DEGREES FAHRENHEIT TO 120 DEGREES FAHRENHEIT.
 8. SILT FENCES SHALL REMAIN IN PLACE UNTIL THE SLOPED AREA IS PERMANENTLY STABILIZED.
 9. LEAVE AN UNDISTURBED OR STABILIZED AREA IMMEDIATELY DOWNSLOPE FROM THE FENCE.

SILT FENCE
N.T.S. A

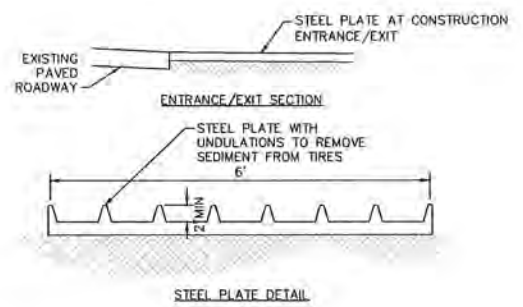


RUNOFF BARRIER
N.T.S. B



- NOTES:**
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
 2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
 3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

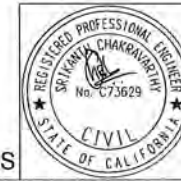
STABILIZED CONSTRUCTION ENTRANCE
N.T.S. C



TIRE WASH RACK
N.T.S. D

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CITY OF RANCHO CUCAMONGA

EROSION CONTROL DETAILS

GIP PROJECT NO. 800-2025-07

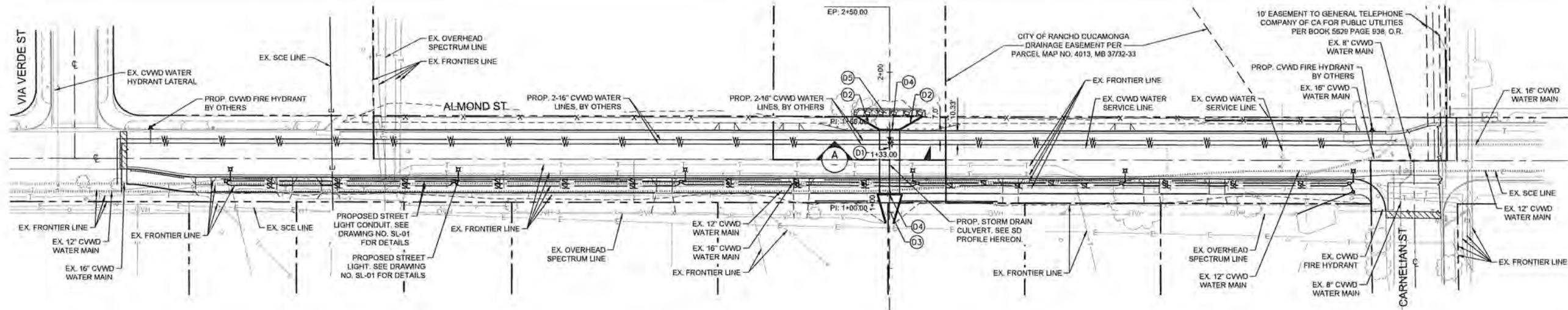
APPROVED BY: DATE: 1/19/26
CITY ENGINEER RCE: 67514

DESIGN MA 1/19/26
DRAWN MA 1/19/26
CHECKED SC 1/19/26

Kimley-Horn
2026 KIMLEY-HORN AND ASSOCIATES, INC.
21157 Springdale Court, Suite 200
Folsom, California 95759

RECOMMENDED CS
DRAWING NO. EC-02
SHEET 9 OF 20

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EXISTING UTILITY NOTE

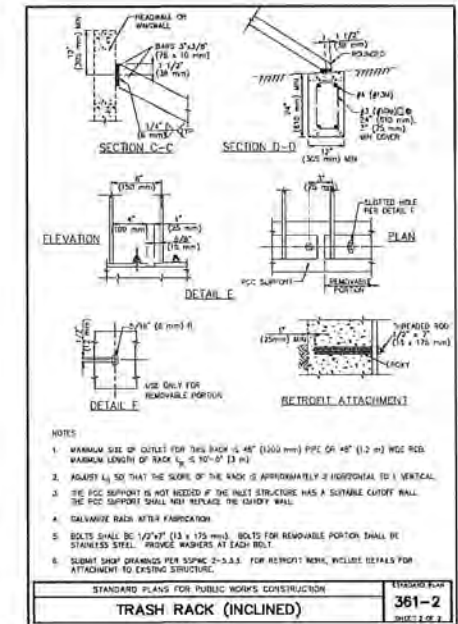
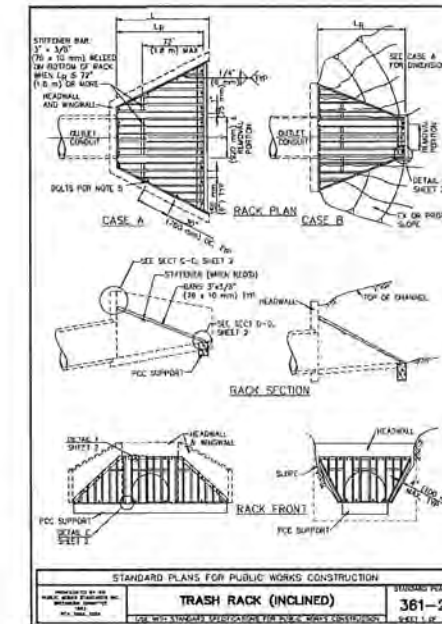
THE EXISTING UTILITIES SHOWN ON THE PLAN ARE BASED ON AVAILABLE RECORDS. THE CONTRACTOR MUST FIELD DETERMINE THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION. REPORT DISCREPANCIES AND POTENTIAL CONFLICTS WITH PROPOSED UTILITIES TO ENGINEER PRIOR TO INSTALLATION OF ANY PIPING.

LEGEND

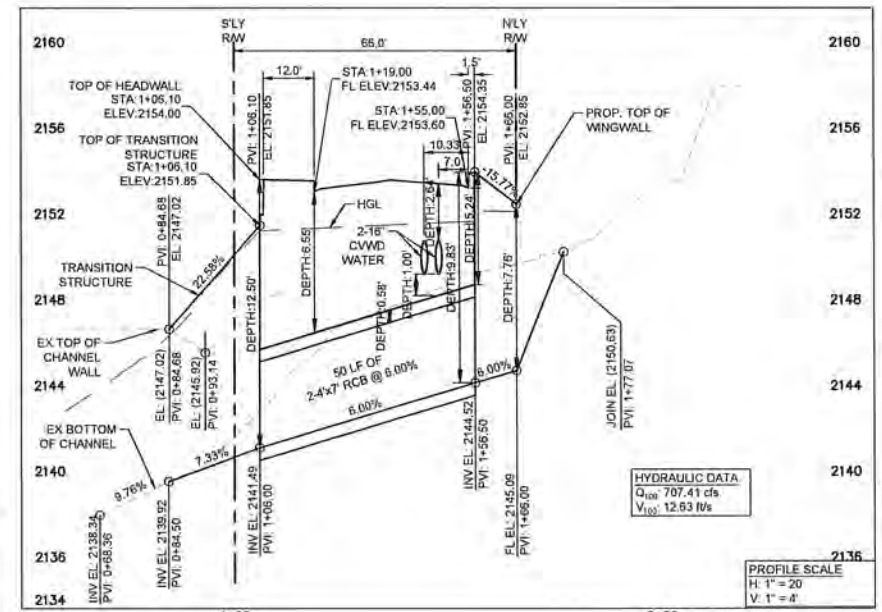
- CENTER LINE
- - - EXISTING RIGHT-OF-WAY LINE
- - - EASEMENT LINE
- - - PROPOSED CULVERT
- - - SAWCUT LINE
- - - PROPOSED CVWD WATER LINE (BY OTHERS)
- - - EX WATER LINE
- - - EX FIBER LINE
- - - EX OVERHEAD TELECOM LINE
- - - EX ELECTRIC LINE
- - - EX CHAIN LINK FENCE

CONSTRUCTION NOTES

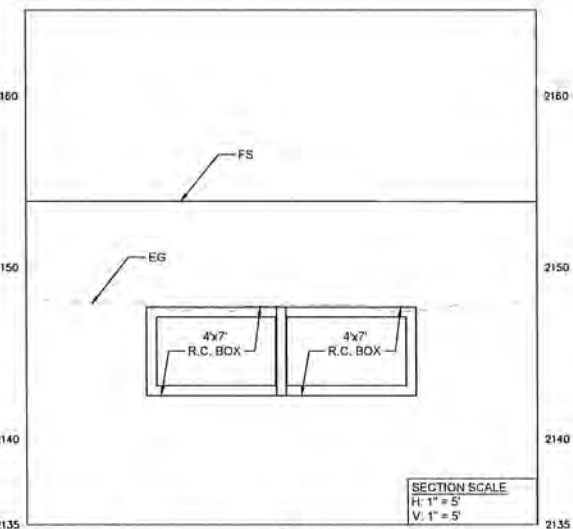
- 01 CONSTRUCT 2-4x7 CAST-IN-PLACE REINFORCED CONCRETE BOX PER CALTRANS STANDARD PLAN D81. SEE DRAWING NO. DT-02, DETAIL J.
- 02 CONSTRUCT BOX CULVERT WARPED WINGWALL AND APRON PER CALTRANS STANDARD PLAN D86A. SEE DRAWING NO. DT-02, DETAIL K. INSTALL TRASH RACK PER SPPWC STD PLAN 361-2. SEE DETAIL HEREON.
- 03 CONSTRUCT TRANSITION STRUCTURE. SEE DRAWING NO. S-02 FOR DETAILS.
- 04 CONSTRUCT INLET/OUTLET HEADWALL. SEE DRAWING NO. S-02 FOR DETAILS.
- 05 CONSTRUCT RIPRAP AND CUTOFF WALL. SEE DRAWING NO. CD-01, DETAIL 1.



SPPWC STD 361-2 TRASH RACK



SD CULVERT PROFILE



SECTION A: SD CULVERT

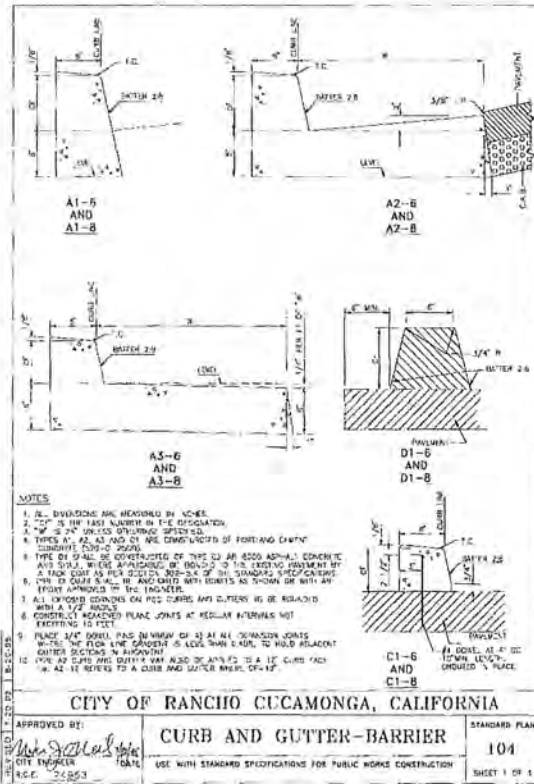
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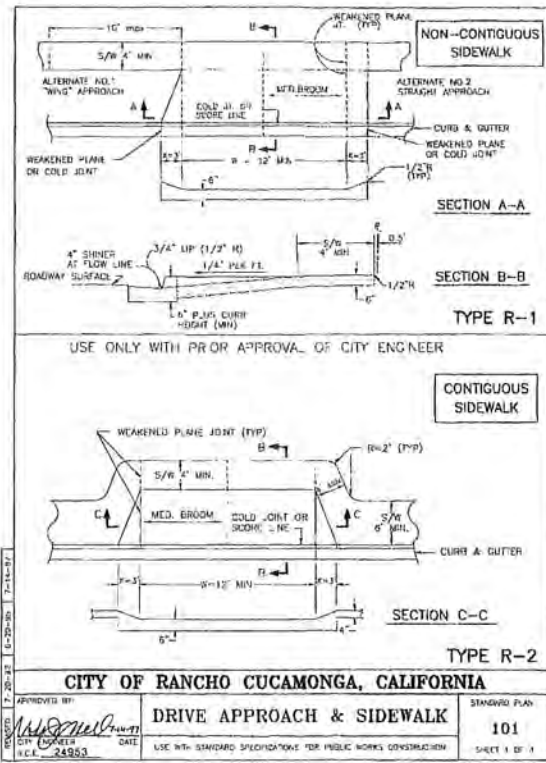


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CITY OF RANCHO CUCAMONGA			
COMPOSITE UTILITY PLAN			
CIP PROJECT NO. 800-2025-07			
APPROVED BY:	<i>[Signature]</i>	DATE:	
CITY ENGINEER		RCE:	87514
DESIGN MA	1/19/26	Kimley-Horn	RECOMMENDED CS
DRAWN MA	1/19/26		DRAWING NO. UT-01
CHECKED SC	1/19/26	RCE No.	SHEET
		FILE No.	10 OF 20

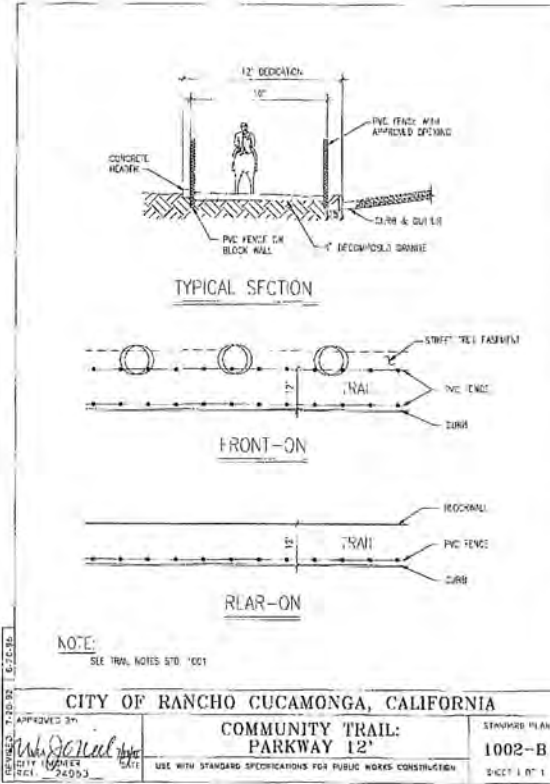
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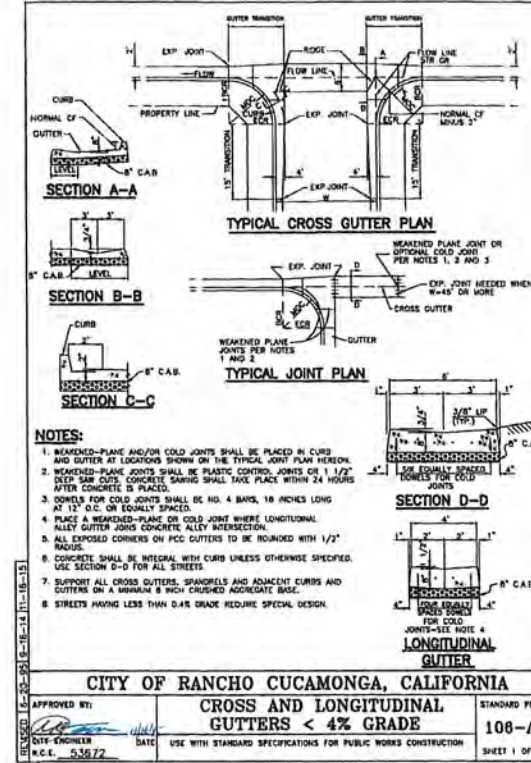
STD PLAN 104 - CURB AND GUTTER
SCALE: NTS



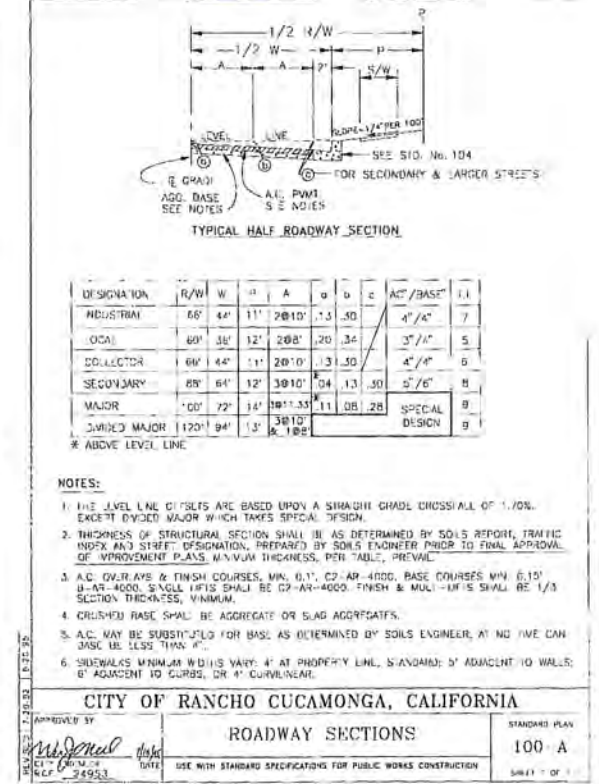
STD PLAN 101 - CONCRETE DRIVE APPROACH
SCALE: NTS



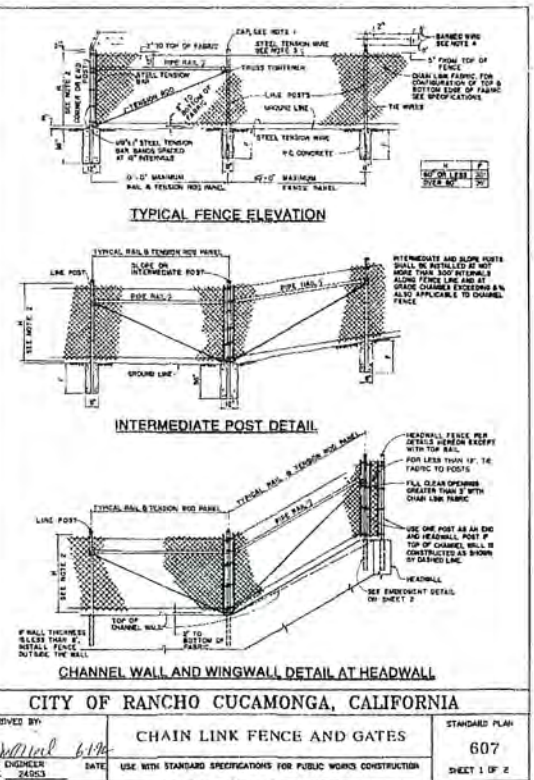
STD PLAN 1002-B - TRAIL
SCALE: NTS



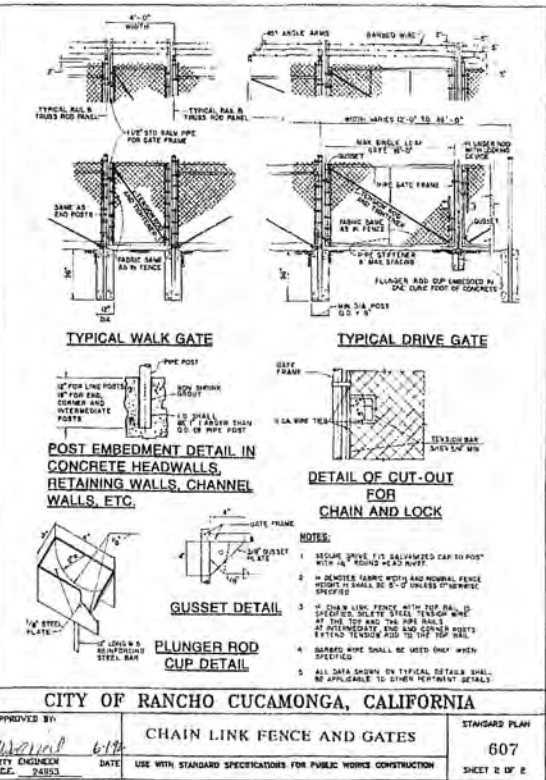
STD PLAN 100-A - CROSS GUTTER
SCALE: NTS



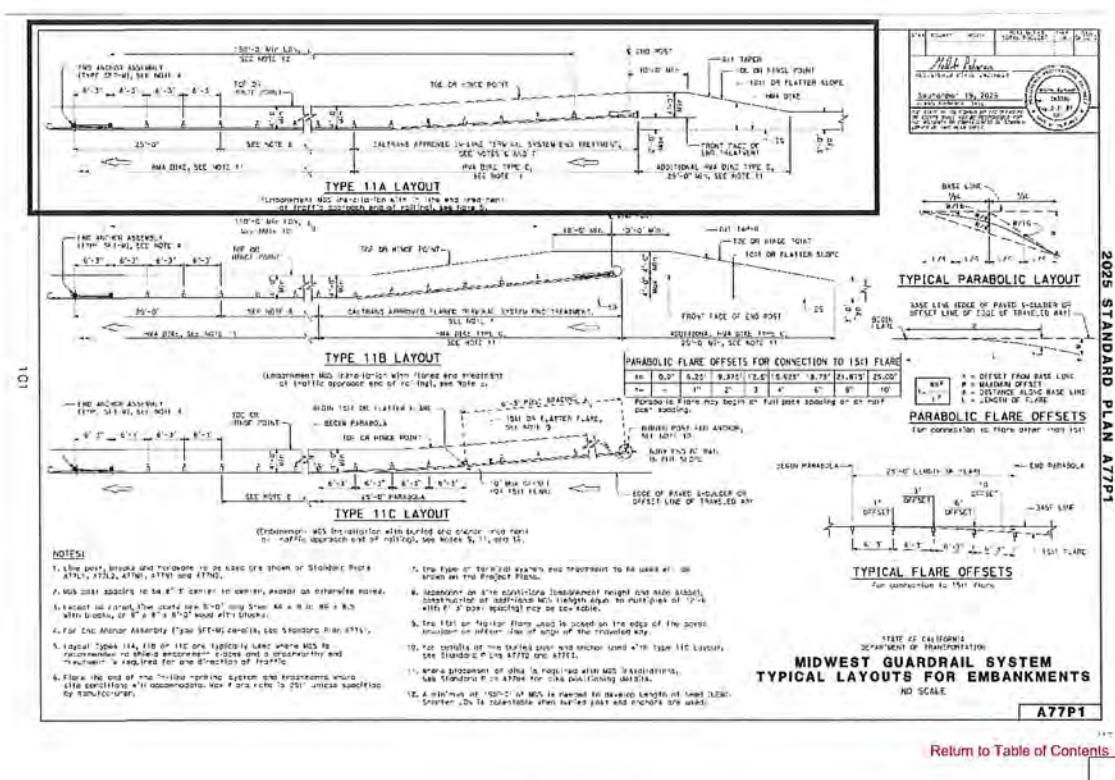
STD PLAN 100-A - ROADWAY SECTION
SCALE: NTS



STD PLAN 607 - CHAIN LINKED FENCE
SCALE: NTS



STD PLAN 607 - GATE
SCALE: NTS



MIDWEST GUARDRAIL SYSTEM
SCALE: NTS

NO.	DESCRIPTION OF REVISION	DATE	CITY APPROVED
4			
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CITY OF RANCHO CUCAMONGA
CIVIL DETAILS - 1

CIP PROJECT NO. 800-2025-07

APPROVED BY: [Signature] DATE: 1/19/2026
 CITY ENGINEER: R.C. 24553

DESIGN: MA 1/19/26
 DRAWN: MA 1/19/26
 CHECKED: SC 1/19/26

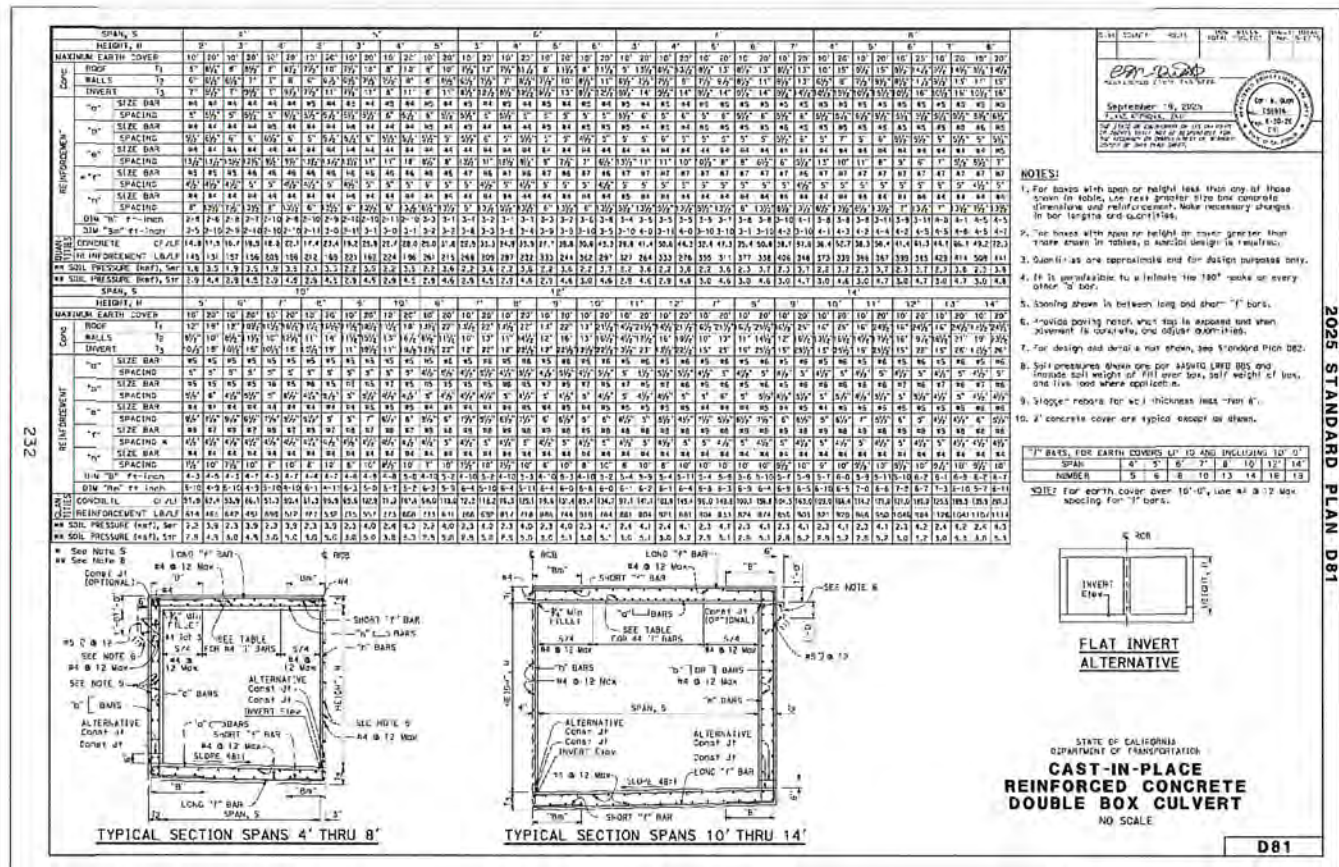
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RECOMMENDED CS
 DRAWING NO. DT-01
 SHEET 11 OF 20

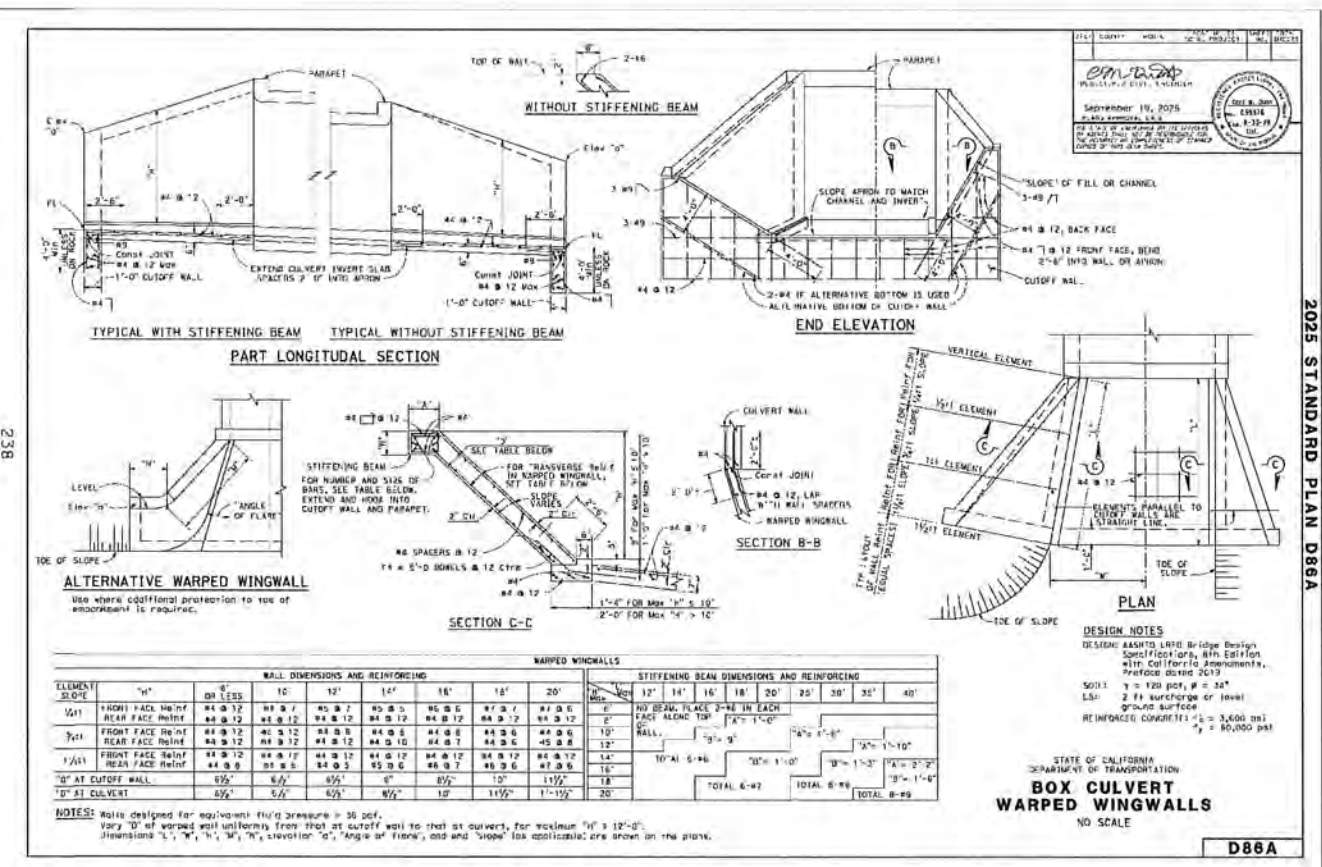


100% DESIGN PLANS

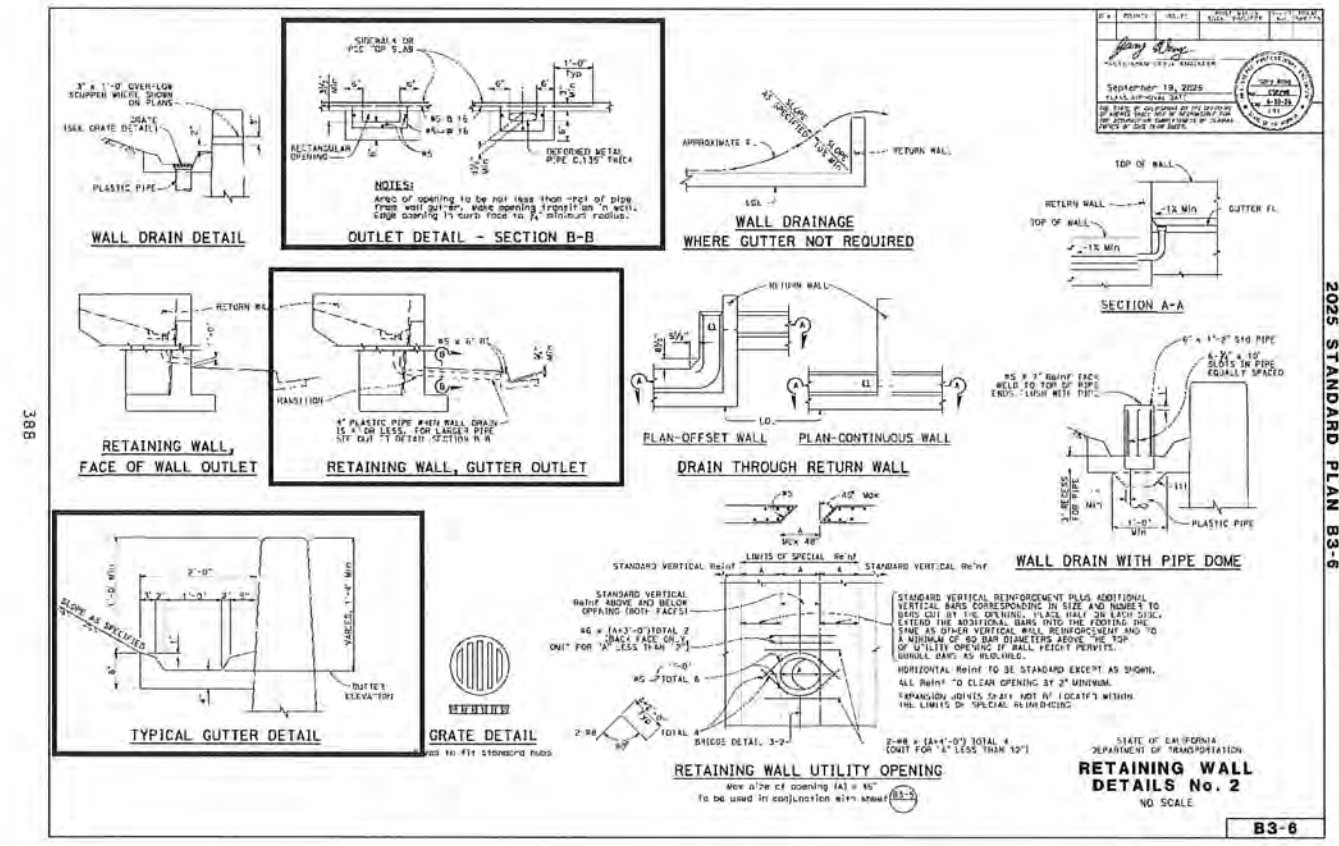
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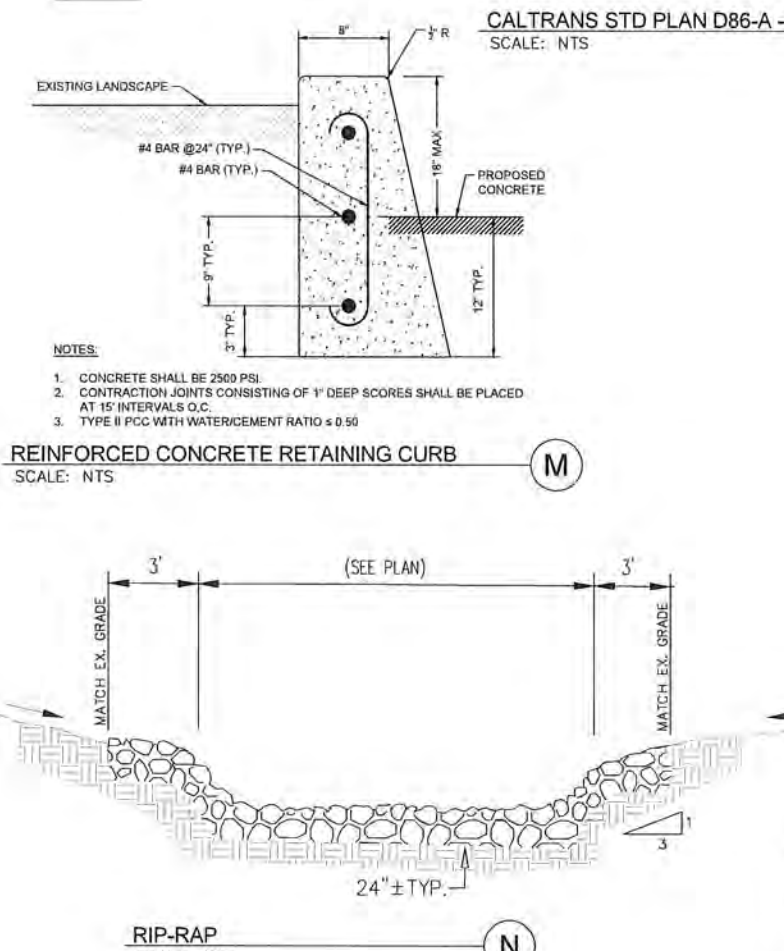
CALTRANS STD PLAN D81 - CULVERT RCB BOX
SCALE: NTS



CALTRANS STD PLAN D86A - WARPED WINGWALLS
SCALE: NTS



RETAINING WALL GUTTER
SCALE: NTS



REINFORCED CONCRETE RETAINING CURB
SCALE: NTS

NO.	DESCRIPTION OF REVISION	DATE	CITY APPROVED
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CITY OF RANCHO CUCAMONGA

CIVIL DETAILS - 2

CIP PROJECT NO. 800-2025-07

APPROVED BY: DATE: RCE: 67514

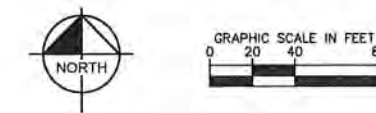
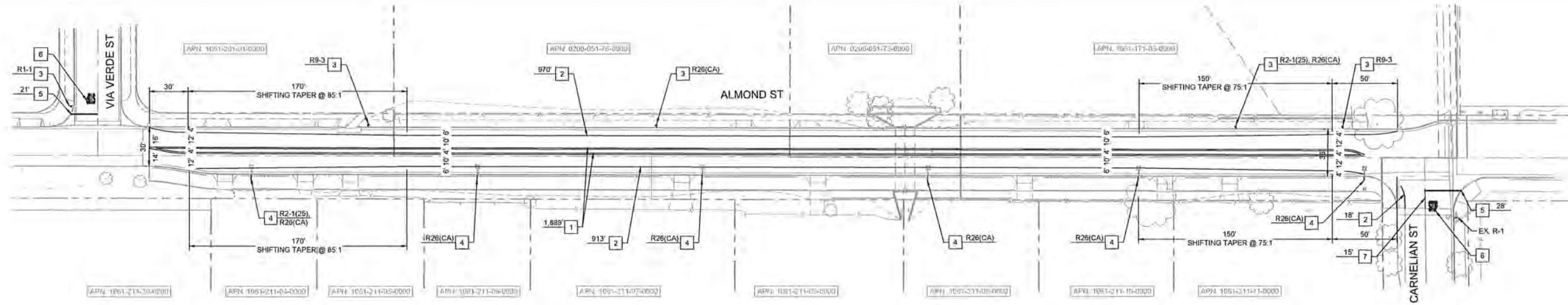
DESIGN MA 1/19/26 **Kimley Horn** RECOMMENDED CS

DRAWN MA 1/19/26 25112 Springfield Court, Suite 200 DATE: 2/26/26 10:14:45 AM DT-02

CHECKED SC 1/19/26 RCE No. SHEET

DATE FILE No. 12 OF 20

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SIGN LEGEND



LEGEND



GENERAL NOTES (SIGNING AND STRIPING PLANS ONLY)

1. ALL DETAILS AND DIMENSIONS FOR TRAFFIC STRIPING AND MARKINGS AND THE INSTALLATION THEREOF SHALL CONFORM TO CALTRANS STANDARD SPECIFICATIONS, TRAFFIC MANUAL MAINTENANCE MANUAL AND STANDARD PLANS AND CITY OF RANCHO CUCAMONGA STANDARD PLAN NO. 133, UNLESS OTHERWISE APPROVED OR DIRECTED BY THE CITY ENGINEER.
2. PROCEDURES FOR PAINTING OF STRIPING AND PAVEMENT MARKINGS AND INSTALLATION OF PAVEMENT MARKERS SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND THE FOLLOWING PROVISIONS.
 - A. ALL STRIPING LEGENDS AND PAVEMENT MARKINGS SHALL BE THERMOPLASTIC AND CONFORM TO CALTRANS STANDARD PLANS UNLESS OTHERWISE NOTED.
 - B. ALL CONFLICTING TRAFFIC STRIPING AND PAVEMENT MARKINGS SHALL BE REMOVED BY HYDROBLASTING OR AS APPROVED BY ENGINEER.
 - C. SUFFICIENT CONTROL POINTS AND SPOTTING REMOVED DURING HYDROBLASTING SHALL BE REPLACED PRIOR TO INSTALLATION OF STRIPING AND MARKINGS.
 - D. ALL CONTROL POINTS AND SPOTTING SHALL BE INSPECTED AND APPROVED BY THE CITY TRAFFIC ENGINEER PRIOR TO INSTALLATION OF NEW OR REPLACEMENT STRIPING AND MARKINGS.
 - E. ALL STRIPING AND BIKE LANE PAVEMENT MARKINGS INSTALLED ON NEW ROAD SURFACES SHALL BE APPROVED LOW VOD TYPE, 15 MIL THICK (WET). INSTALLATION SHALL BE IN TWO COATS WITH THE SECOND A MINIMUM OF TWO WEEKS AFTER THE FIRST, UNLESS OTHERWISE NOTED.
 - F. ALL THERMOPLASTIC STRIPING AND PAVEMENT MARKINGS SHALL BE INSTALLED IN ONE COAT AND THE 10 MIL THICK (DRY) UNLESS OTHERWISE NOTED.
 - G. UNDER NO CONDITIONS SHALL A ROADWAY BE LEFT OVER NIGHT, WEEKENDS OR HOLIDAYS WITHOUT APPROPRIATE STRIPING AND MARKINGS TO THE SATISFACTION OF THE CITY ENGINEER.
 - H. ALL TRAFFIC STRIPING AND PAVEMENT MARKINGS SHALL BE INSTALLED WITH ALL APPROPRIATE PERMITS AND TRAFFIC CONTROL MEASURES, IN ACCORDANCE WITH THE CITY AND THE STATE STANDARDS.
 - I. TEMPORARY OR CONSTRUCTION STRIPING AND MARKINGS SHALL BE IN ACCORDANCE WITH THE CITY AND STATE STANDARDS AND AS DIRECTED BY THE CITY ENGINEER.
 - J. UNLESS OTHERWISE NOTED THE DIMENSIONS SHOWN SHALL BE CONSIDERED TO BE FROM CENTER OF STRIPE TO CENTER OF STRIPE OR TOP OF CURB FACE TO CENTER OF STRIPE.
 - K. STREET NAME SIGNS SHALL BE INSTALLED PER CITY STANDARD PLAN NO. 401-A.
 - L. TRAFFIC SIGNS SHALL BE INSTALLED PER CITY STANDARD PLAN NO. 401-B.
 - M. BIKE LEGENDS SHALL BE OFFSET FROM BIKE LANE.
 - N. ALL OTHER WORD LEGENDS SHALL BE 2' OFFSET FROM LEFT SIDE TO LANE TO LANE LINE OR CENTERLINE.
3. TRAFFIC SIGNS SHALL BE INSTALLED PER CITY STANDARD PLAN NO. 401-B.

SIGNING AND STRIPING NOTES

- 1 FURNISH AND INSTALL 6" YELLOW MEDIAN ISLAND WITH TYPE "D" MARKERS PER CALTRANS STD PLAN A20B, DETAIL 29.
- 2 FURNISH AND INSTALL 6" WHITE EDGLINE PER CALTRANS STD PLAN A20B, DETAIL 27B.
- 3 FURNISH AND INSTALL SIGN AND POST PER PLAN AND CITY OF R.C. STD PLAN 401-B.
- 4 FURNISH AND INSTALL SIGN PER PLAN ON STREET LIGHT POLE PER CITY OF R.C. STD PLAN 401-B.
- 5 FURNISH AND INSTALL 12" WHITE LIMIT LINE PER CALTRANS STD PLAN A24G.
- 6 FURNISH AND INSTALL WHITE "STOP" PER CALTRANS STD PLAN A24D.
- 7 FURNISH AND INSTALL 6" YELLOW CENTERLINE.

#	DESCRIPTION OF REVISION	DATE	CITY APPROVED

CITY OF RANCHO CUCAMONGA

SIGNING AND STRIPING PLAN

CIP PROJECT NO. 800-2025-07

APPROVED BY: CITY ENGINEER DATE: 1/19/26 RCE: 67514

DESIGN CA 1/19/26

DRAWN CA 1/19/26

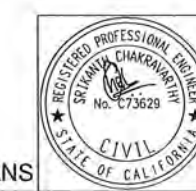
CHECKED ZM 1/19/26

RECOMMENDED CS

DRAWING NO. SS-01

SHEET 13 OF 20

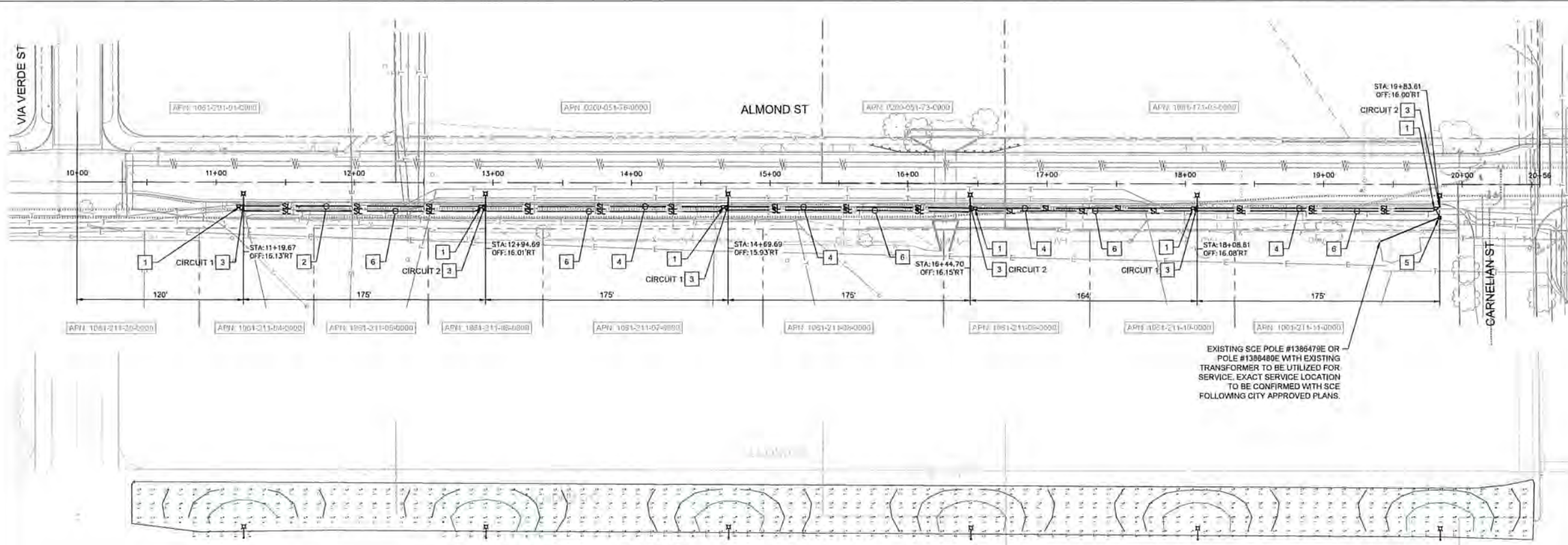
DATE: 1/19/26 FILE No: _____



100% DESIGN PLANS

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LEGEND

PROPOSED	EXISTING	STREET LIGHT
— —	— —	PULL BOX
○	○	CONDUIT
— —	— —	SERVICE CABINET

- STREET LIGHTING NOTES**
- FURNISH AND INSTALL STREET LIGHT HANDHOLE/PULL BOX (JENSEN NO. 6) PER CITY OF R.C. STD PLAN 413.
 - FURNISH AND INSTALL 3" PVC SCH 40 CONDUIT WITH (2) #8 COPPER CONDUCTORS AND (1) #8 COPPER GROUND (XHHW-2).
 - FURNISH AND INSTALL 5800 LUMEN / 35 WATT STREETWORKS VERD-C016-D-13-4N7-39W STREET LIGHT AND 1C1-28 POLE PER CITY OF R.C. STD PLAN 410.
 - FURNISH AND INSTALL 3" PVC SCH 40 CONDUIT WITH (4) #8 COPPER CONDUCTORS AND (1) #8 COPPER GROUND (XHHW-2).
 - FURNISH AND INSTALL NON-METER SERVICE PEDESTAL WITH 4" STREET ADDRESS PER CITY OF R.C. STD PLAN 411.
 - FURNISH AND INSTALL 3" PVC SCH 40 CONDUIT, EMPTY TO BE USED FOR FUTURE FIBER-OPTIC CABLE.

PHOTOMETRIC CALCULATIONS

GENERAL NOTES (LIGHTING PLANS ONLY)

- UNLESS OTHERWISE SPECIFIED ON THE WORKING DRAWING WHICH FORMS A PART OF THE SPECIFICATION, THE CONTRACTOR SHALL FURNISH THE FOLLOWING ITEMS AT NO COST TO THE CITY OF RANCHO CUCAMONGA. THE ENGINEER HAS ATTEMPTED TO CORRECTLY SHOW ALL EXISTING UTILITIES AND SUBSTRUCTURES IN THE VICINITY OF THE WORK, BUT DOES NOT GUARANTEE THERE ARE NO OTHER SUBSTRUCTURES IN THE AREA. FAILURE OF THE ENGINEER TO SHOW ALL SUBSTRUCTURES IN THEIR CORRECT LOCATION WILL NOT BE A BASIS FOR A CLAIM FOR EXTRA WORK, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO SUBSTRUCTURES WHETHER SHOWN OR NOT.
- CONDUIT:**
 - MINIMUM COVER IN STREET OR PARKWAY IS 30" BELOW FINISHED GRADE, UNLESS NOTED OTHERWISE.
 - MINIMUM COVER ON PRIVATE PROPERTY IS 30" BELOW FINISHED GRADE, UNLESS NOTED OTHERWISE.
 - CONTRACTOR IS TO FURNISH AND INSTALL APPROVED CONDUIT TO CITY SPECIFICATIONS UGS-0.1, 110, & 120.
 - FOR THE TYPE OF CONDUIT FOR THIS JOB, SEE CITY SPECIFICATIONS.
 - CAP ALL MAINLINE CONDUITS AND SERVICE CONDUITS PER CITY SPECIFICATIONS.
 - INSTALL BLANK CONDUIT PLUGS ALL CONDUITS TERMINATING INTO VAULTS, MANHOLES, PMHS, SOES, & ALL CAP LOCATIONS, PER CITY SPECIFICATIONS.
 - INSTALL PULL ROPE IN ALL CONDUIT RUNS. PULL ROPE TO BE 3/16" POLYPROPYLENE OR POLYETHYLENE ROPE, BRAIDED OR TWISTED.
 - ALL CONDUIT MUST BE MANDRELLED.
 - CONDUIT RADIUS REQUIREMENTS:**
 - THE MINIMUM RADIUS FOR BENDS ARE:
 - 36" FOR CONDUITS 3" IN DIAMETER OR SMALLER
 - 48" FOR CONDUITS 4" AND 5" IN DIAMETER OR SMALLER
 - 60" FOR 6" DIAMETER CONDUIT
 - THE MINIMUM RADIUS FOR ALL SWEEPS OF ALL MAINLINE CONDUITS IS 12'-6" (UNLESS OTHERWISE NOTED).
 - EXCAVATION AND BACKFILL:**
 - WORK AREA SHALL BE CLEARED AND ROUGH GRADED TO WITHIN FOUR INCHES OF FINAL GRADE PRIOR TO INSTALLATION OF CITY CONDUIT OR STRUCTURES.
 - ALL EXCAVATIONS SHALL BE IN ACCORDANCE WITH CALIFORNIA STATE CONSTRUCTION SAFETY ORDERS (WHEN APPLICABLE), CITY SPECIFICATIONS, AND ALL GOVERNING LOCAL ORDINANCES.
 - EACH TRENCH TO BE A UNIFORM DEPTH BELOW GRADE PRIOR TO INSTALLATION OF CITY CONDUIT OR STRUCTURES.
 - BACKFILL SHALL BE PROVIDED BY THE CONTRACTOR FOR ALL EXCAVATIONS AND SHALL INCLUDE CRUSHED ROCK, CONCRETE, AND/OR

- BACKFILL WITH A MINIMUM OF ONE SACK PER YARD CEMENT SLURRY AROUND AND OVER VAULTS AND MANHOLES AND AROUND PMHS WITHIN ONE FOOT OF FINISHED GRADE.
 - BACKFILL PER AGENCY SPECIFICATIONS. SHALL FOLLOW SUBSTRUCTURE INSTALLATION. AT NO TIME SHALL GABLE BE LEFT EXPOSED OVER 24 HOURS.
 - NO ROCKS ARE ALLOWED WITHIN 12 INCHES OF DIRECT BURIAL CABLES OR ANY CONDUIT WITHOUT CONCRETE ENCASMENT. NATIVE BACKFILL CAPABLE OF PASSING THROUGH A ONE-HALF INCH SCREEN SHALL BE CONSIDERED TO BE ROCK FREE IF EXISTING BACKFILL DOES NOT PASS THROUGH A 1/2" SCREEN. FOR MATERIAL SIZED BELOW AND 1/2" ABOVE CITY CABLES, AFTER THIS POINT, NO ROCKS LARGER THAN 1" DIAMETER ARE PERMITTED.
 - ALL BACKFILL SHALL BE COMPACTED TO MEET OR EXCEED ORDINANCES OR OTHER REQUIREMENTS. IT SHALL BE PLACED IN MANNER THEY WILL NOT DAMAGE THE CONDUIT OR SUBSTRUCTURE OR PROVIDE SUBSIDENCE OF THE TRENCH OR STRUCTURES.
- PAVING:**
 - PAVING, WHEREVER REQUIRED, SHALL BE PLACED IN SUCH A MANNER THAT INTERFERES WITH TRAFFIC, INCLUDING PEDESTRIAN TRAFFIC, WILL BE MINIMIZED. ALL PAVING IS TO BE RESTORED OR REPLACED TO THE AUTHORITY APPLICABLE TO THE MUNICIPALITY, COUNTY, OR OTHER JURISDICTION.
 - STRUCTURES:**
 - ALL SUBSTRUCTURES SHALL BE CONSTRUCTED TO CITY SPECIFICATIONS.
 - INSTALL PROTECTION BARRIERS WHEN REQUIRED IN AREAS EXPOSED TO TRAFFIC, PER CITY INSPECTOR.
 - ALL CONDUIT ENDS AND CONCRETE FLOORED SUBSTRUCTURES SHALL BE WATER TIGHT.
 - ALL GROUNDING MATERIALS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
 - CONTRACTOR TO PROVIDE SUBSTRUCTURE ENCLOSURE WALL DETAILS TO CITY INSPECTOR FOR APPROVAL PRIOR TO INSTALLATION.
 - RETAINING WALLS:**
 - WHEN REQUIRED, RETAINING WALLS SHALL BE PROVIDED BY THE CONTRACTOR. WALLS ARE REQUIRED WHENEVER GRADE RISES MORE THAN 18 INCHES ABOVE THE STRUCTURE OR 24 INCHES ABOVE THE PAD SURFACE AT A DISTANCE OF 5 FEET FROM THE SAME. OR IN AREAS SUBJECT TO EROSION. DESIGN AND INSTALLATION MUST COMPLY WITH LOCAL BUILDING ORDINANCES. REFER TO CITY INSPECTOR FOR TYPICAL GRADE REQUIREMENTS.
 - ACCESS:**
 - HEAVY TRUCK ACCESS SHALL BE MAINTAINED TO EQUIPMENT LOCATIONS. STRUCTURES MUST BE CLEAR OF ALL APPURTENANCES THAT WOULD OBSTRUCT THE LOADING AND UNLOADING OF EQUIPMENT.
 - SERVICES:**
 - METERS AND SERVICES SHALL COMPLY WITH CITY SERVICES REQUIREMENTS.
 - WORKING MUST BE IN ACCORDANCE WITH APPLICABLE LOCAL ORDINANCES AND APPROVED BY LOCAL INSPECTION AUTHORITIES.
 - SPECIFIC SERVICE POINT TO BE IDENTIFIED AT FUTURE STAGE.
 - LOCATION:**
 - THE LOCATION OF EXCAVATIONS AND STRUCTURES FOR CITY SHALL BE AS SHOWN ON THE WORKING DRAWING, NO DEVIATION FROM THE PLANNED LOCATIONS WILL BE PERMITTED UNLESS APPROVED BY THE CITY INSPECTOR.
 - ACTUAL LOCATION OF OBSTRUCTIONS, STORM DRAINS, AND/OR OTHER FOREIGN UTILITIES TO BE THE RESPONSIBILITY OF THE CONTRACTOR.
 - CONTRACTOR TO VERIFY LOCATION AND WIDTHS OF ALL SIDEWALK AND

- DRIVEWAYS PRIOR TO STREET LIGHT INSTALLATION, WITH THE APPROVED STREET IMPROVEMENT PLANS, APPROVED STREET LIGHT PLANS AND THE ACTUAL FIELD CONDITIONS.**
 - SURVEY:** SURVEYING OF STREET IMPROVEMENTS SHALL BE PERFORMED BY THE CITY. PROPERTY CORNERS, LOT LINES, FINISHED GRADE, ETC., NECESSARY FOR THE INSTALLATION OF UNDERGROUND FACILITIES MUST BE COMPLETED AND MARKERS OR STAKES PLACED PRIOR TO THE START OF THE INSTALLATION. IN ADDITION, CONTRACTOR SHALL MAINTAIN THE MARKERS DURING THE INSTALLATION AND INSPECTION BY AGENCY. GRADE AND PROPERTY LINE STAKES MUST SHOW ANY OFFSET MEASUREMENTS.
 - COORDINATION AND SUPERVISION:** THE CONTRACTOR SHALL PROVIDE SUPERVISION OVER AND COORDINATION AMONG THE VARIOUS CONTRACTORS WORKING WITHIN THE DEVELOPMENT IN ORDER TO PREVENT DAMAGE TO CITY FACILITIES. HE IS RESPONSIBLE FOR COST OF REPAIRS, REPLACEMENT, RELOCATION, OR OTHER CORRECTIONS TO CITY FACILITIES MADE NECESSARY BY HIS FAILURE TO PROVIDE SUPERVISION OR TO OTHERWISE COMPLY WITH THESE SPECIFICATIONS.
 - OTHER UTILITY REQUIREMENTS:** THE DRAWING PREPARED FOR THIS JOB MAY ALSO COVER THE FACILITIES TO BE INSTALLED FOR OTHER UTILITY. ANY QUESTIONS CONCERNING DETAILS OF THEIR INSTALLATION SHOULD BE TO THE COMPANY CONCERNED.
 - WARRANTY:** CONTRACTOR EXPRESSLY REPRESENT AND WARRANT THAT ALL WORK PERFORMED AND ALL MATERIAL USED IN MEETING CONTRACTOR'S OBLIGATIONS HEREUNDER ARE FREE FROM DEFECT IN WORKMANSHIP AND ARE IN CONFORMITY WITH CITY AGENCY REQUIREMENTS. THIS WARRANTY SHALL COMMENCE UPON RECEIPT BY CONTRACTOR OF CITY'S FINAL ACCEPTANCE AND SHALL EXPIRE ONE YEAR FROM THAT DATE. CONTRACTOR AGREES TO PROMPTLY CORRECT TO THE CITY'S SATISFACTION AND THAT OF ANY GOVERNMENTAL AGENCY HAVING JURISDICTION AND AT CONTRACTOR'S EXPENSE ANY BREACH OF THE WARRANTY WHICH MAY BECOME APPARENT THROUGH INSPECTION OR OPERATION OF UNDERGROUND ELECTRIC SYSTEM BY CITY DURING THIS WARRANTY PERIOD.
 - INSPECTION:** INSPECTIONS TO BE REQUIRED DURING THE CONSTRUCTION PERIOD. A 48 HOUR ADVANCE NOTICE OF INTENT TO START CONSTRUCTION IS REQUIRED FROM THE CONTRACTOR TO START CONSTRUCTION IS REQUIRED FROM THE CONTRACTOR TO THE CITY OF RANCHO CUCAMONGA, PHONE 909-477-2740 X4063.
 - AS-BUILTS:** CONTRACTOR RESPONSIBLE TO MAINTAIN AS-BUILT DRAWINGS WHICH ARE TO BE UPDATED DAILY. CONTRACTORS SHALL KEEP AND MAINTAIN TWO COPIES OF THE AS-BUILTS. ONE SET IS FOR THE CONTRACTOR AND THE SECOND SET IS FOR THE CITY INSPECTOR.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THESE NOTES, THE CITY OF RANCHO CUCAMONGA STANDARDS PLANS AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION—"GREENBOOK" EDITION, INCLUDING ANY AND ALL SUPPLEMENTS OR AMENDMENTS. CONTRACTOR SHALL BE FAMILIAR WITH AND WILL BE RESPONSIBLE FOR COMPLIANCE TO THE SAME.

LUMINAIRE SCHEDULE

LABEL	ITEM TAG	DESCRIPTION	WATTAGE	COLOR TEMP	DISTRIBUTION	VOLTAGE	LLF	LUMENS	QUANTITY
— —	VERD-C016-D-13-4N7-39W	VERDEON C-SERIES	39W	4000K	TYPE III	120-277V	.90	5800	6

RECOMMENDED MAINTAINED ILLUMINANCE

REFERENCE	ILLUMINANCE TYPE	STREET CLASSIFICATION	AVG (fc)
RP-8-22 LIGHTING DESIGN CRITERIA FOR STREETS*	HORIZONTAL	LOCAL	.05
ALMOND ST	HORIZONTAL	LOCAL	0.49

*VALUES REFERENCED FROM THE ANSI/S RP-8-22: RECOMMENDED PRACTICE FOR DESIGN AND MAINTENANCE OF ROADWAY LIGHTING TABLE 11-1

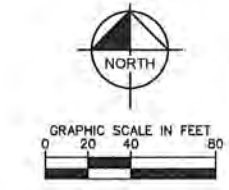
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8	DESCRIPTION OF REVISION	DATE	CITY APPROVED

CITY OF RANCHO CUCAMONGA

STREET LIGHTING PLAN

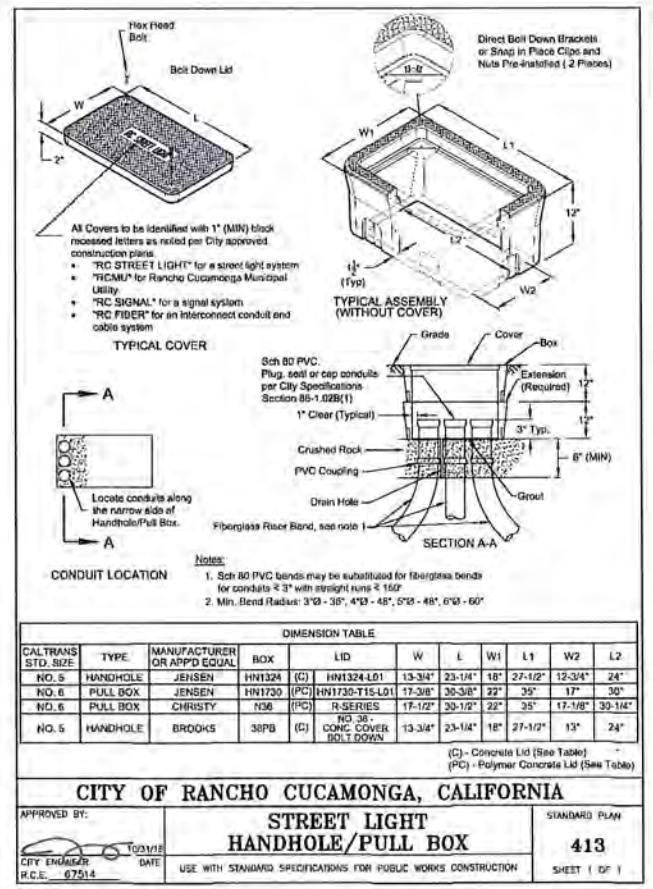
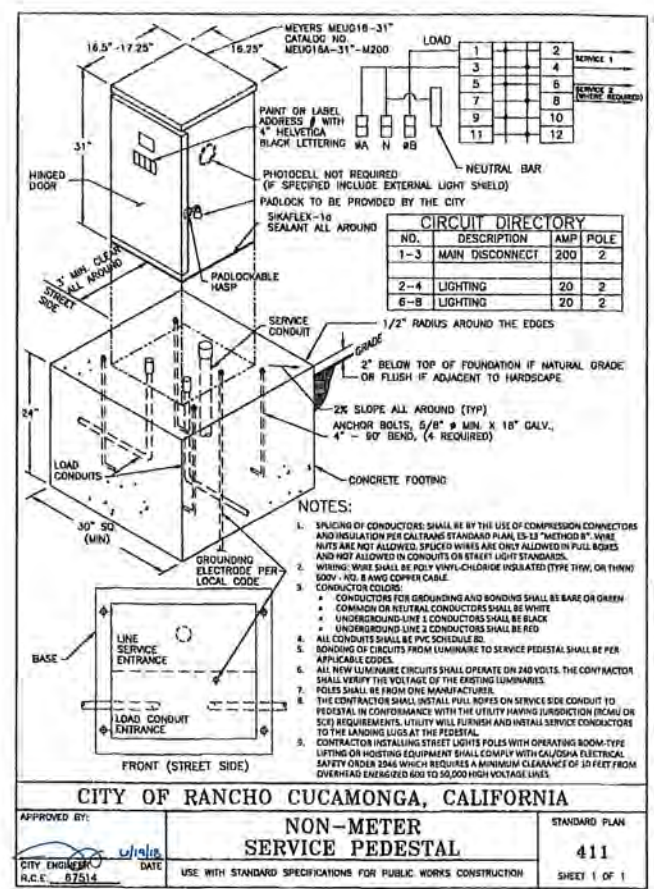
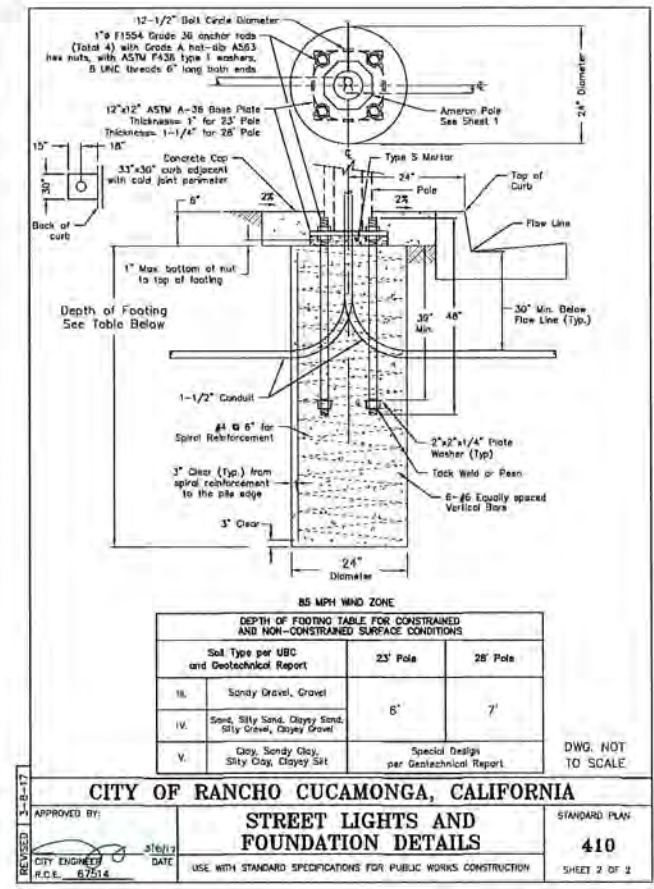
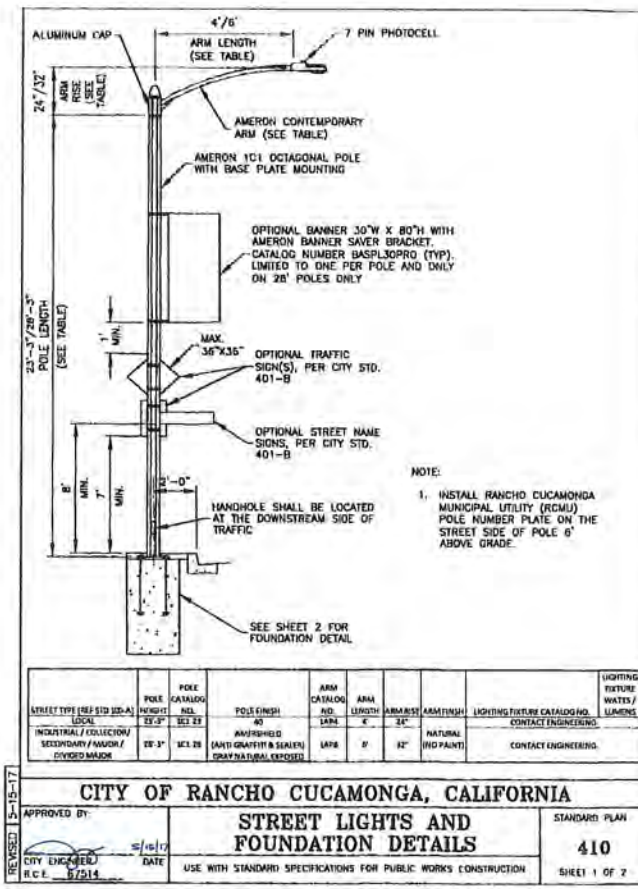
CIP PROJECT NO. 800-2025-07

APPROVED BY: CITY ENGINEER		DATE: RCE: 67514
DESIGN CA	1/19/26	RECOMMENDED CS
DRAWN CA	1/19/26	DRAWING NO. SL-01
CHECKED ZM	1/19/26	SHEET 14 OF 20



100% DESIGN PLANS

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STD PLAN 410 - STREET LIGHT AND FOUNDATION
SCALE: NTS

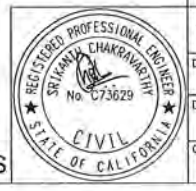
STD PLAN 411 - NON-METER SERVICE PEDESTAL
SCALE: NTS

STD PLAN 413 - STREET LIGHT PULL BOX
SCALE: NTS

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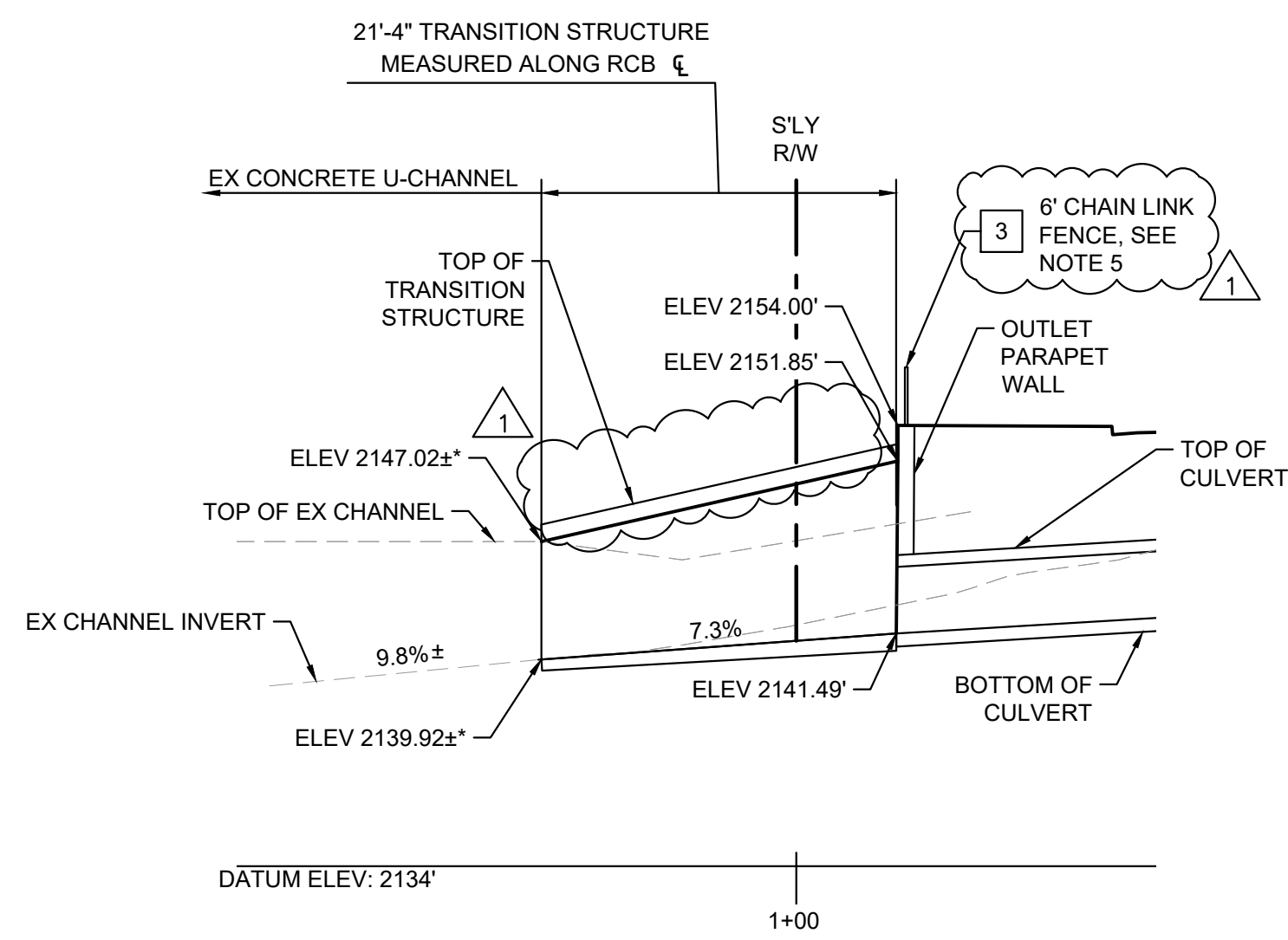
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CITY OF RANCHO CUCAMONGA

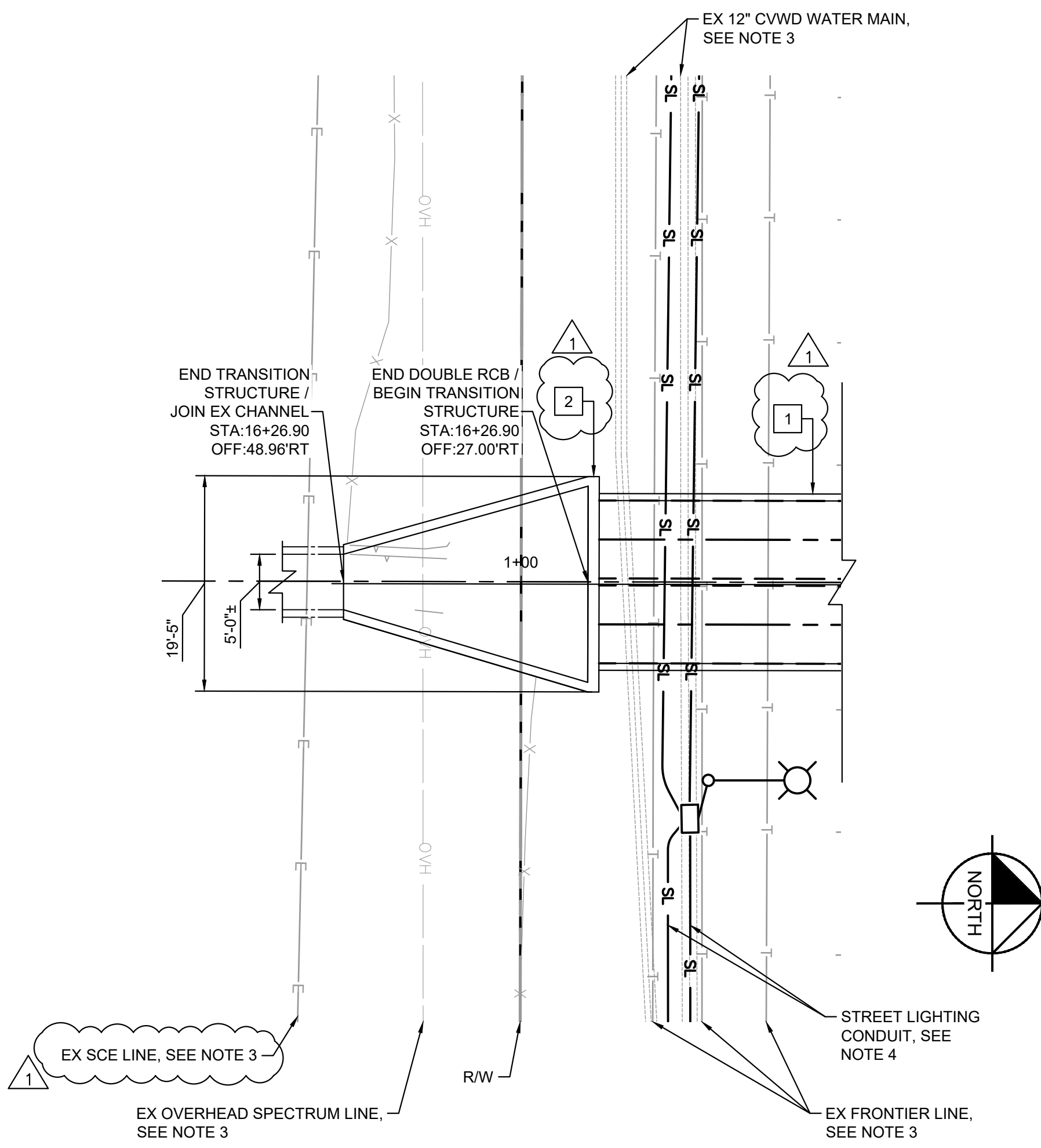
STREET LIGHTING DETAILS

CIP PROJECT NO. 800-2025-07

APPROVED BY: CITY ENGINEER		DATE: 3/26/2015 14:00:00	RCE: 67514
DESIGN CA	1/19/26	Kimley-Horn	RECOMMENDED CS
DRAWN CA	1/19/26		DRAWING NO. SL-02
CHECKED ZM	1/19/26	RCE No	SHEET 15 OF 29



ELEVATION
1"=10'
*MATCH EXISTING PROFILE GRADE



PLAN
1"=10'

DESIGN NOTES:

DESIGN: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION WITH CALIFORNIA AMENDMENTS, PREFACE DATED APRIL 2019.

INLET AND OUTLET PARAPET REINFORCED CONCRETE: $f_c = 3600$ PSI
 $f_y = 60000$ PSI

SOIL: LEVEL BACKFILL
ACTIVE EARTH PRESSURE = 34 PSF/FT
2 FT EQUIVALENT HEIGHT OF SOIL SURCHARGE

LIVE LOAD:

SEISMIC: PGA = 0.75 g

TRANSITION STRUCTURE REINFORCED CONCRETE: $f_c = 3600$ PSI
 $f_y = 60000$ PSI

SOIL: LEVEL BACKFILL
AT REST EARTH PRESSURE = 53 PSF/FT
2 FT EQUIVALENT HEIGHT OF SOIL SURCHARGE

LIVE LOAD:

FOUNDATION REPORT PREPARED BY NINYO & MOORE:

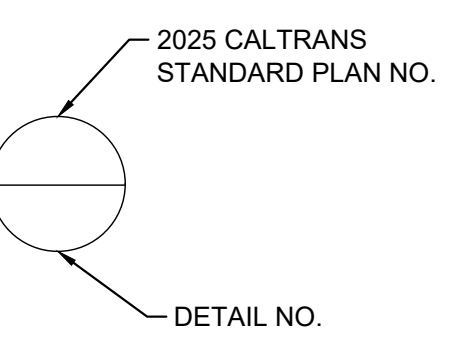
GEOTECHNICAL EVALUATION ALMOND STREET IMPROVEMENT PROJECT VIA VERDE STREET TO CARNELIAN STREET

NOTES:

- FOR CULVERT GENERAL NOTES, DESIGN NOTES, AND CONSTRUCTION NOTES, SEE 2025 CALTRANS STANDARD PLAN D82.
- FOR CULVERT DETAILS NOT SHOWN, SEE 2025 CALTRANS STANDARD PLAN D81.
- UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR VERIFY ALL UTILITY LOCATIONS AND ELEVATIONS PRIOR TO WALL CONSTRUCTION.
- SEE COMPOSITE UTILITY PLAN FOR DISPOSITION OF EXISTING UTILITIES AND DETAILS OF PROPOSED UTILITIES
- SEE DRAWING NO. ST-01 FOR CHAIN LINK FENCE LIMITS AND DETAILS.

CONSTRUCTION NOTES

- CONSTRUCT CAST-IN-PLACE REINFORCED CONCRETE DOUBLE BOX CULVERT 7' x 4' PER CALTRANS STANDARD PLAN D81. SEE DRAWING NO. DT-02, DETAIL J.
- CONSTRUCT TRANSITION STRUCTURE.
- CONSTRUCT CHAIN LINK FENCE PER CITY OF R.C. STD PLAN 607. SEE DRAWING NO. DT-01, DETAIL F.



STRUCTURAL GENERAL NOTES:

- MATERIALS AND CONSTRUCTION SHALL CONFORM TO 2025 CALTRANS STANDARD PLANS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL REVIEW EXISTING CONDITIONS ON THE SITE DURING THE BIDDING. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO WAR. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES PRIOR TO PROCEEDING.
- ALL DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE SHOWN ON THE PLANS, SECTIONS, AND DETAILS. DRAWINGS SHALL NOT BE SCALED FOR CONSTRUCTION PURPOSES.

STANDARD PLANS DATED 2025:

A62A	EXCAVATION AND BACKFILL - MISCELLANEOUS DETAILS
A62B	LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL - BRIDGE SURCHARGE AND WALL
A62E	EXCAVATION AND BACKFILL - CAST-IN-PLACE REINFORCED CONCRETE BOX AND ARCH CULVERTS
B0-3	BRIDGE DETAILS
B3-5	RETAINING WALL DETAILS NO. 1
B3-6	RETAINING WALL DETAILS NO. 2

4			
3			
2			
1	REMOVE RAILING ON TOP OF TRANSITION STRUCTURE AND REPLACE WITH CHAIN-LINK FENCE	01/28/26	CS
#	DESCRIPTION OF REVISION	DATE	CITY APPROVED

CITY OF RANCHO CUCAMONGA

DRAINAGE STRUCTURAL DETAILS NO. 1

CIP PROJECT NO. 800-2025-07

APPROVED BY: _____ DATE: _____
CITY ENGINEER RCE:

DESIGN	AC	1/28/26	Kimley-Horn	RECOMMENDED	CS
DRAWN	AC	1/28/26		DRAWING NO.	S-01
CHECKED	JR	1/28/26	DATE	FILE No	SHEET
					16 OF 20

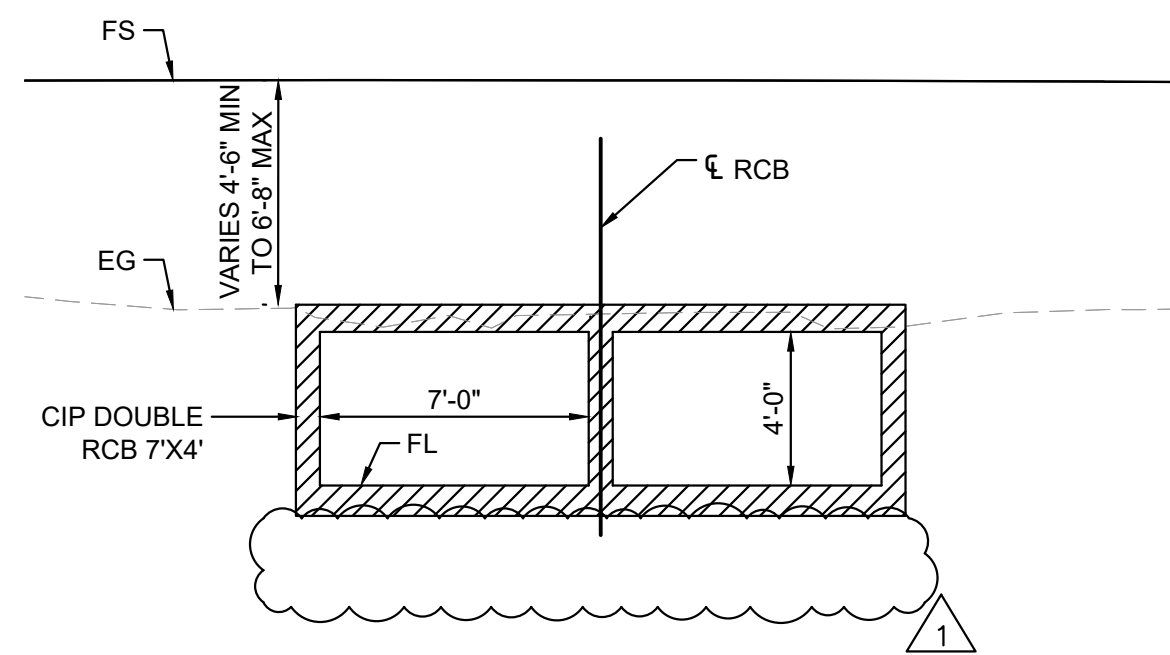


100% DESIGN PLANS

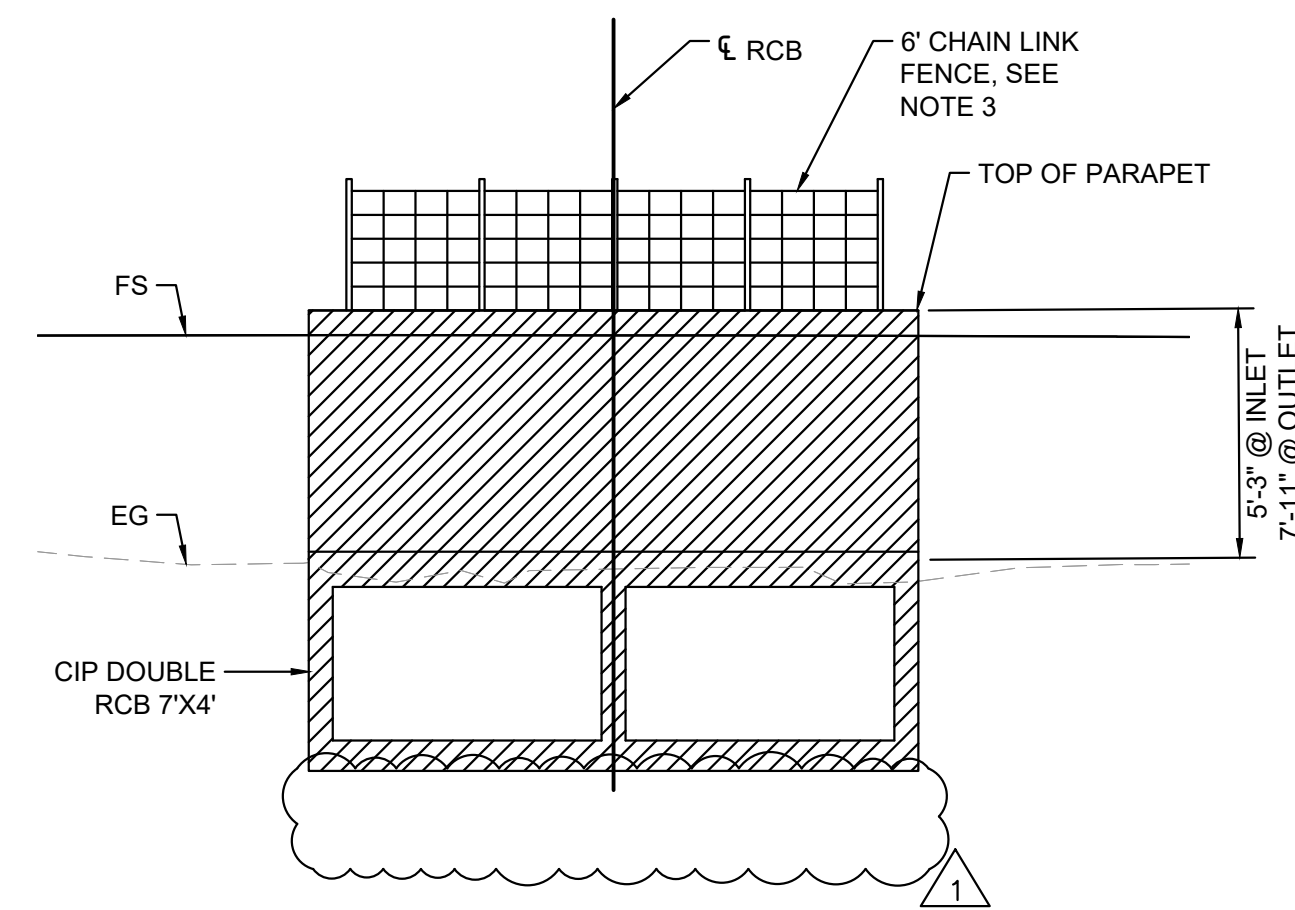
811
DIAL TOLL FREE 811
Know what's below. Call before you dig.
AT LEAST TWO DAYS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

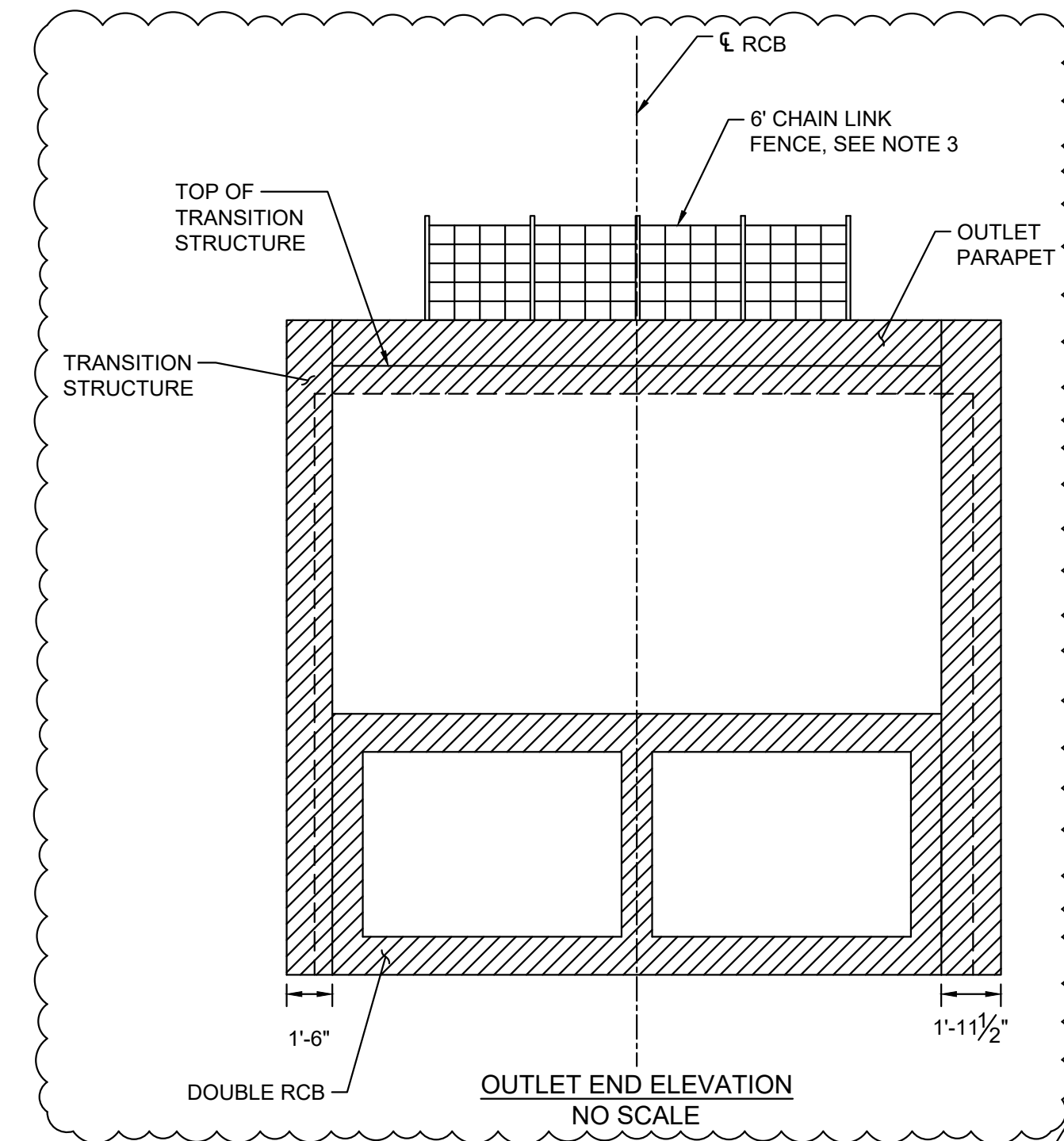
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SECTION A-A: DOUBLE RCB WITHOUT PARAPET
1" = 5'



SECTION C-C: DOUBLE RCB WITH PARAPET
1" = 5'



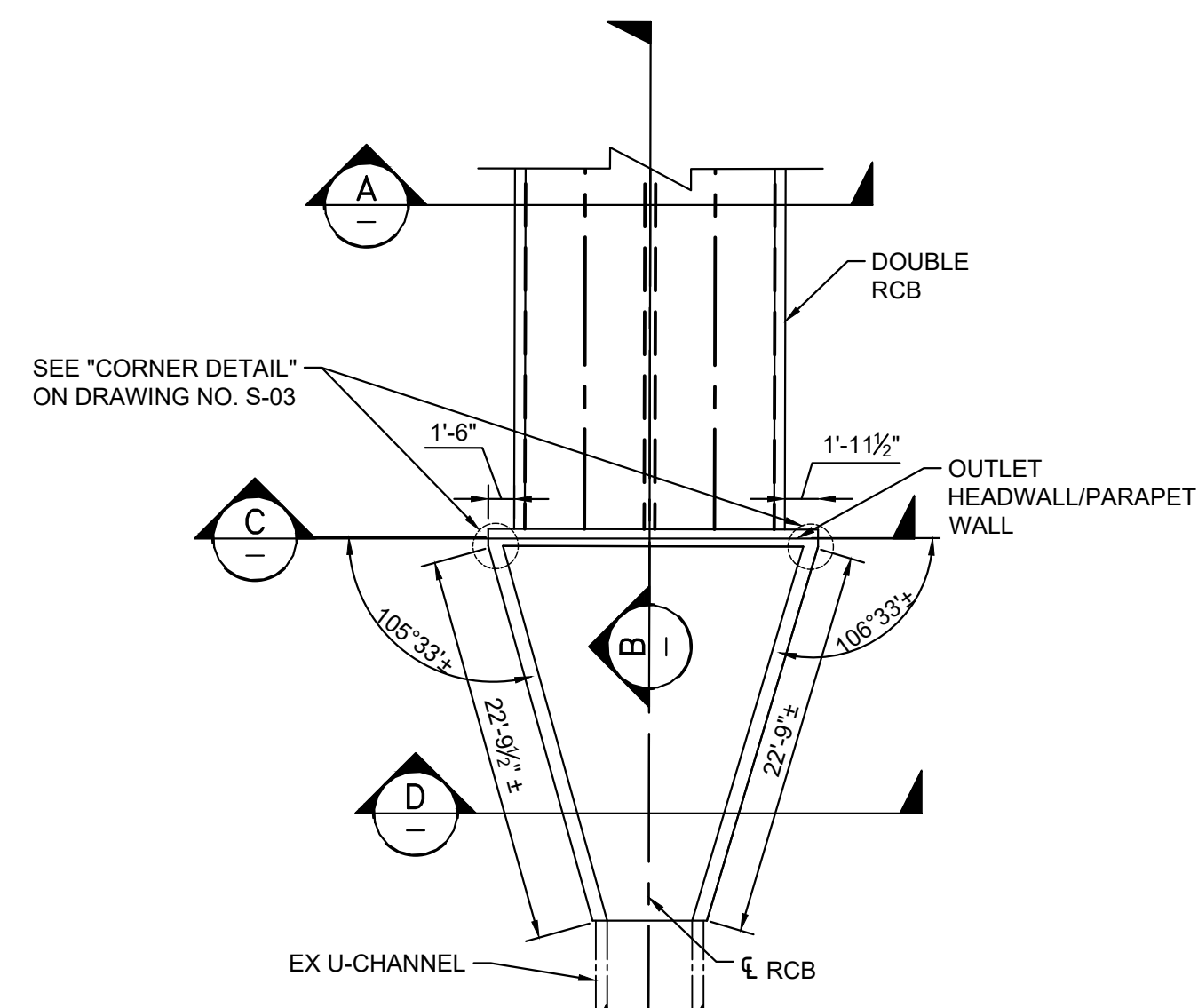
OUTLET END ELEVATION
NO SCALE

NOTES:

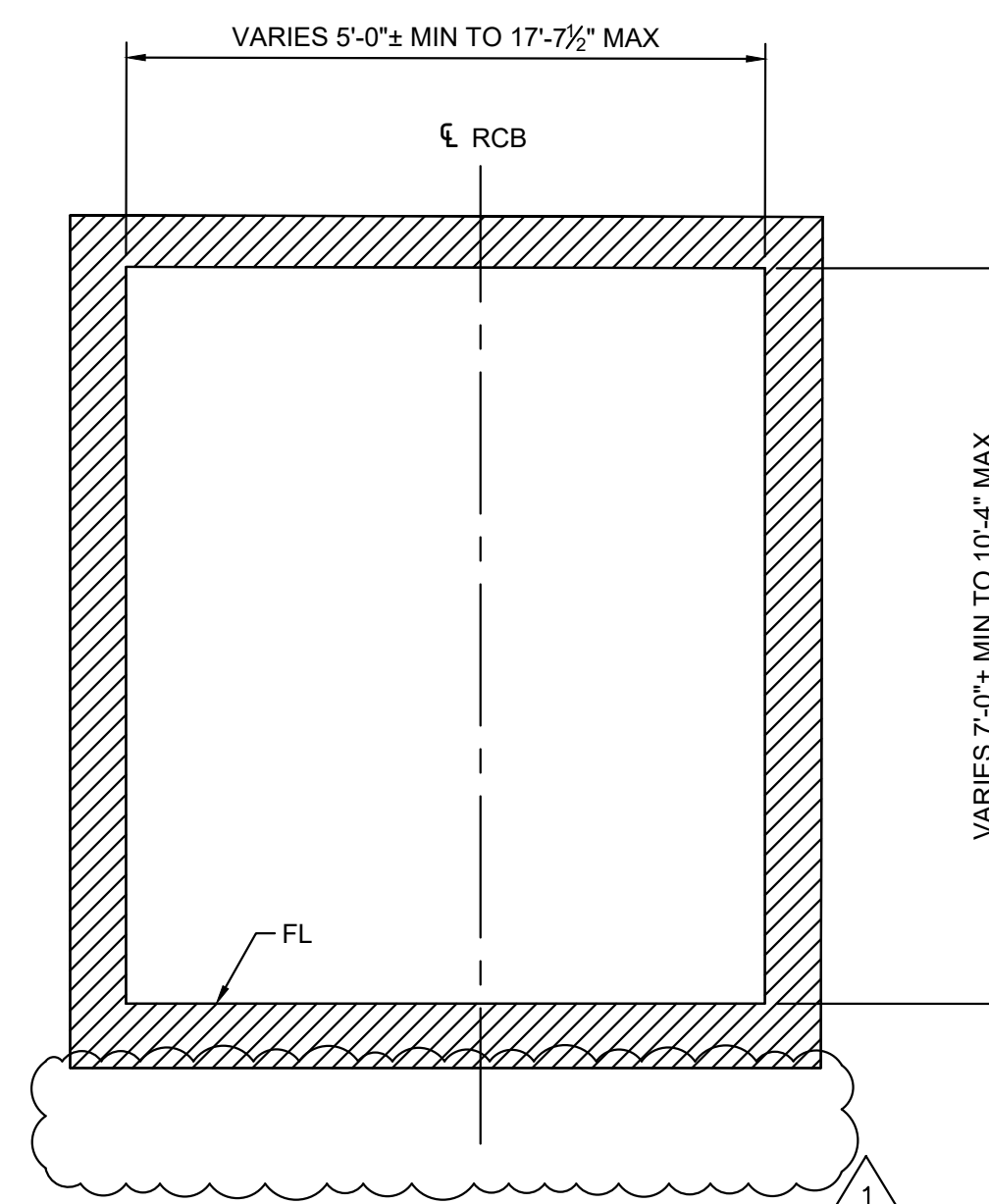
1. SEE DRAWING NO. S-03 FOR REINFORCEMENT DETAILS FOR INLET PARAPET, OUTLET PARAPET AND TRANSITION STRUCTURE.
2. FOR TIE-IN DETAILS INTO EXISTING CONCRETE U-CHANNEL AND SECTION B-B, SEE DRAWING NO. S-03.
3. SEE DRAWING NO. ST-01 FOR CHAIN LINK FENCE LIMITS AND DETAILS.



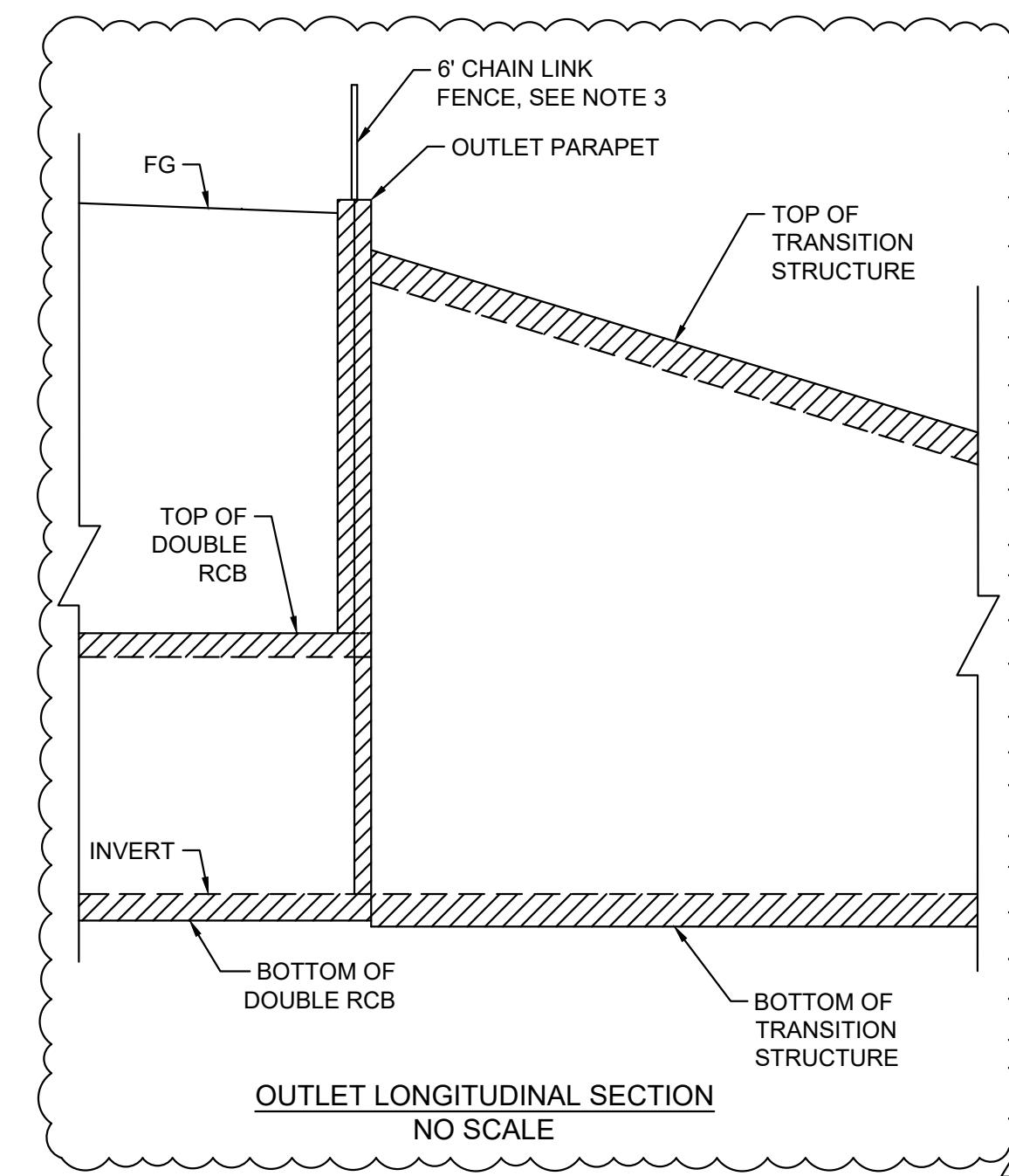
CONCRETE STRENGTH AND TYPE LIMITS
NO SCALE



TRANSITION STRUCTURE PLAN
1" = 10'
SEE NOTE 2



SECTION D-D
1" = 5'



OUTLET LONGITUDINAL SECTION
NO SCALE

4			
3			
2			
1	ADDED TWO ELEVATION VIEWS TO CLARIFY THE TRANSITION STRUCTURE CONNECTION	01/28/26	CS
#	DESCRIPTION OF REVISION	DATE	CITY APPROVED

CITY OF RANCHO CUCAMONGA

**DRAINAGE STRUCTURAL
DETAILS NO. 2**

CIP PROJECT NO. 800-2025-07

APPROVED BY: _____ DATE: _____
CITY ENGINEER RCE:

DESIGN	AC	1/28/26	Kimley-Horn	RECOMMENDED	CS
DRAWN	AC	1/28/26		DRAWING NO.	S-02
CHECKED	JR	1/28/26	DATE	FILE No	SHEET
					17 OF 20



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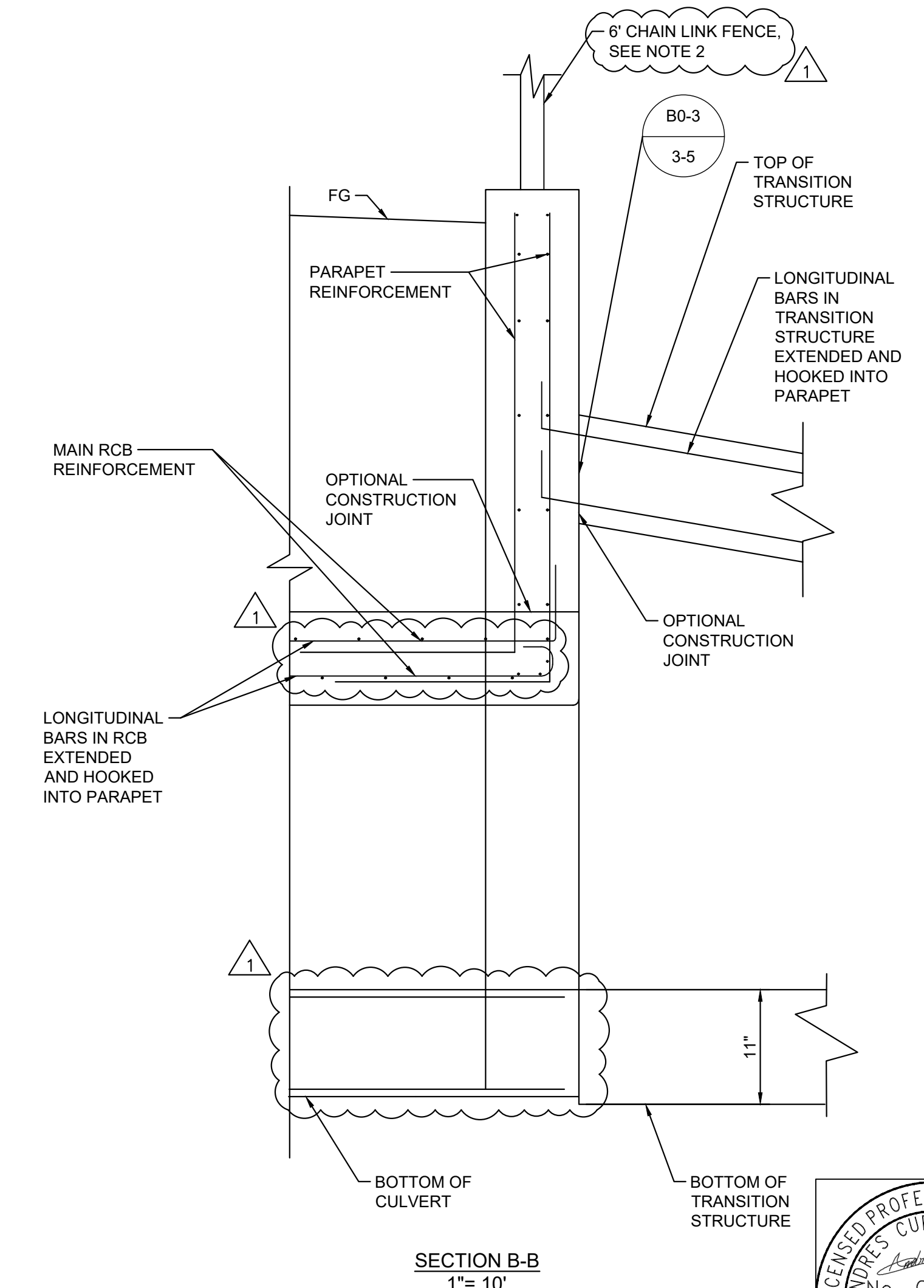
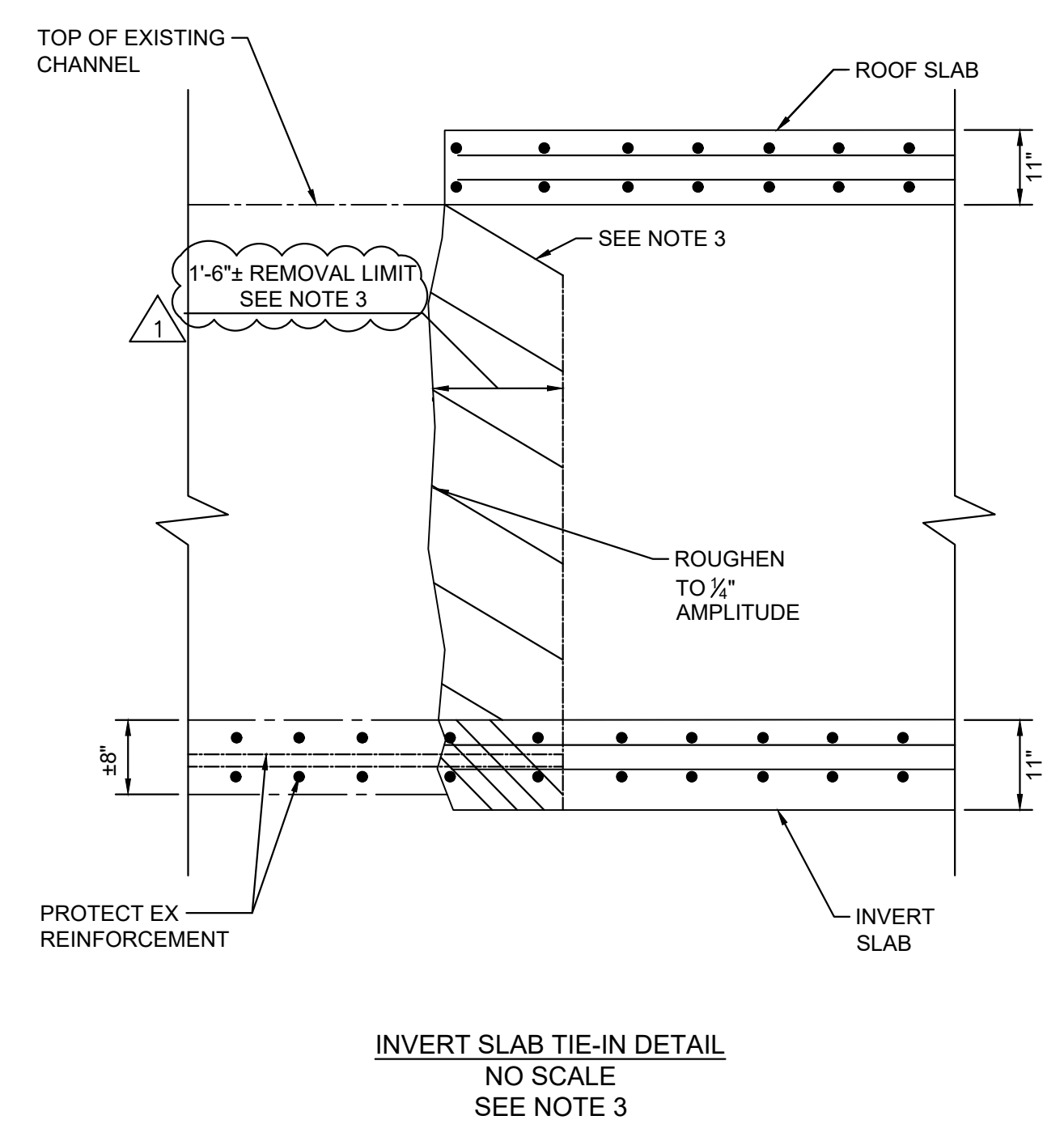
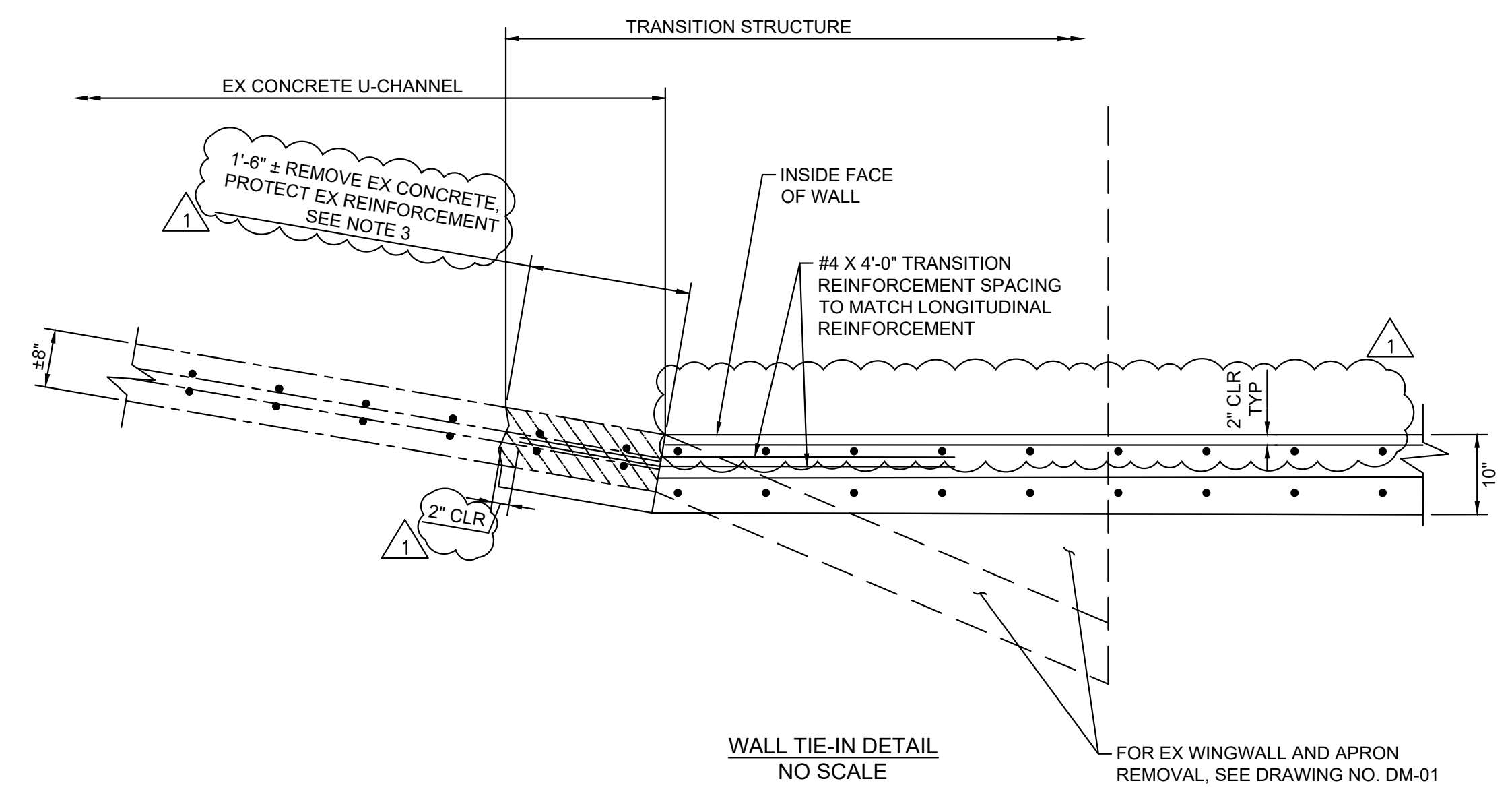
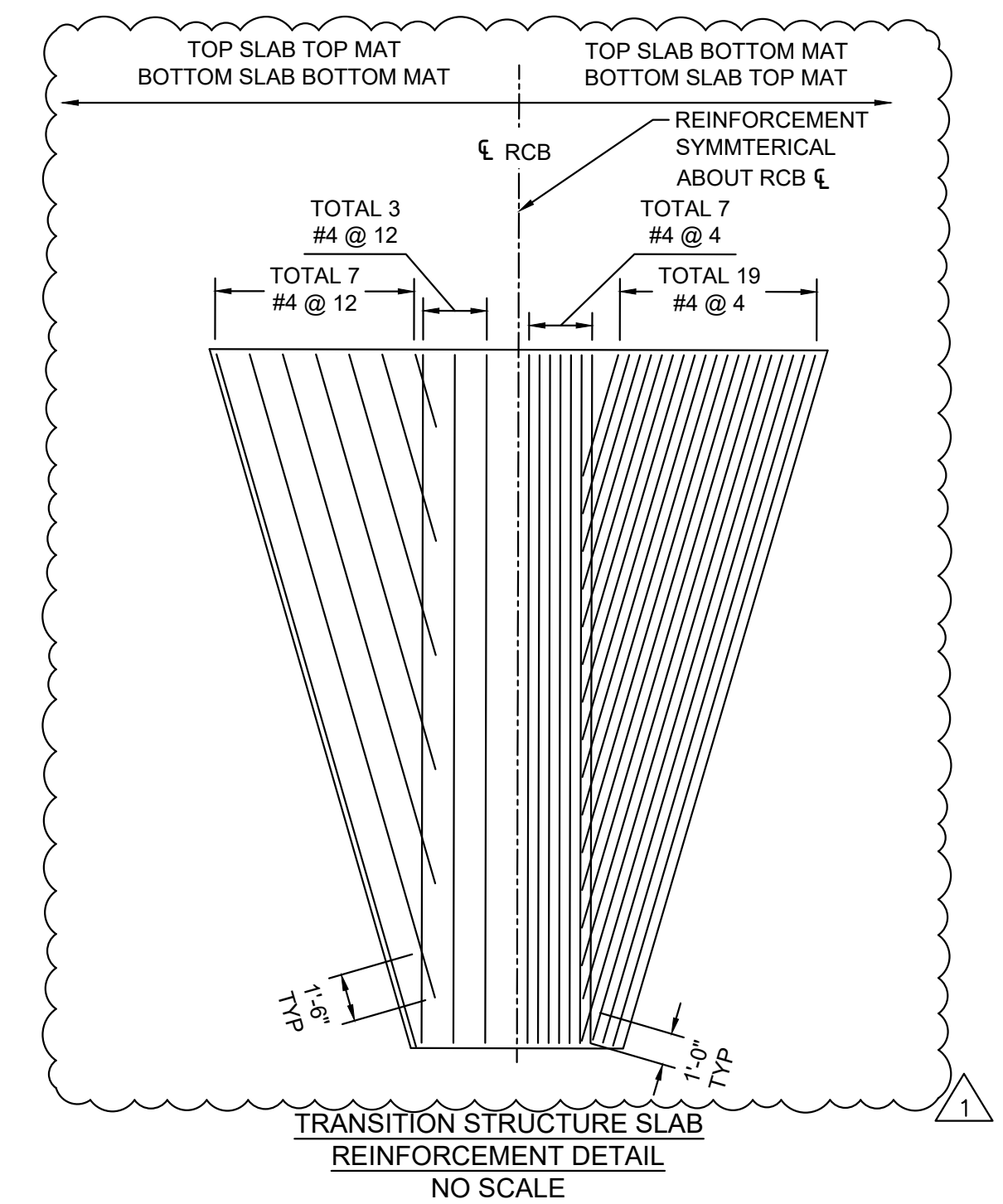
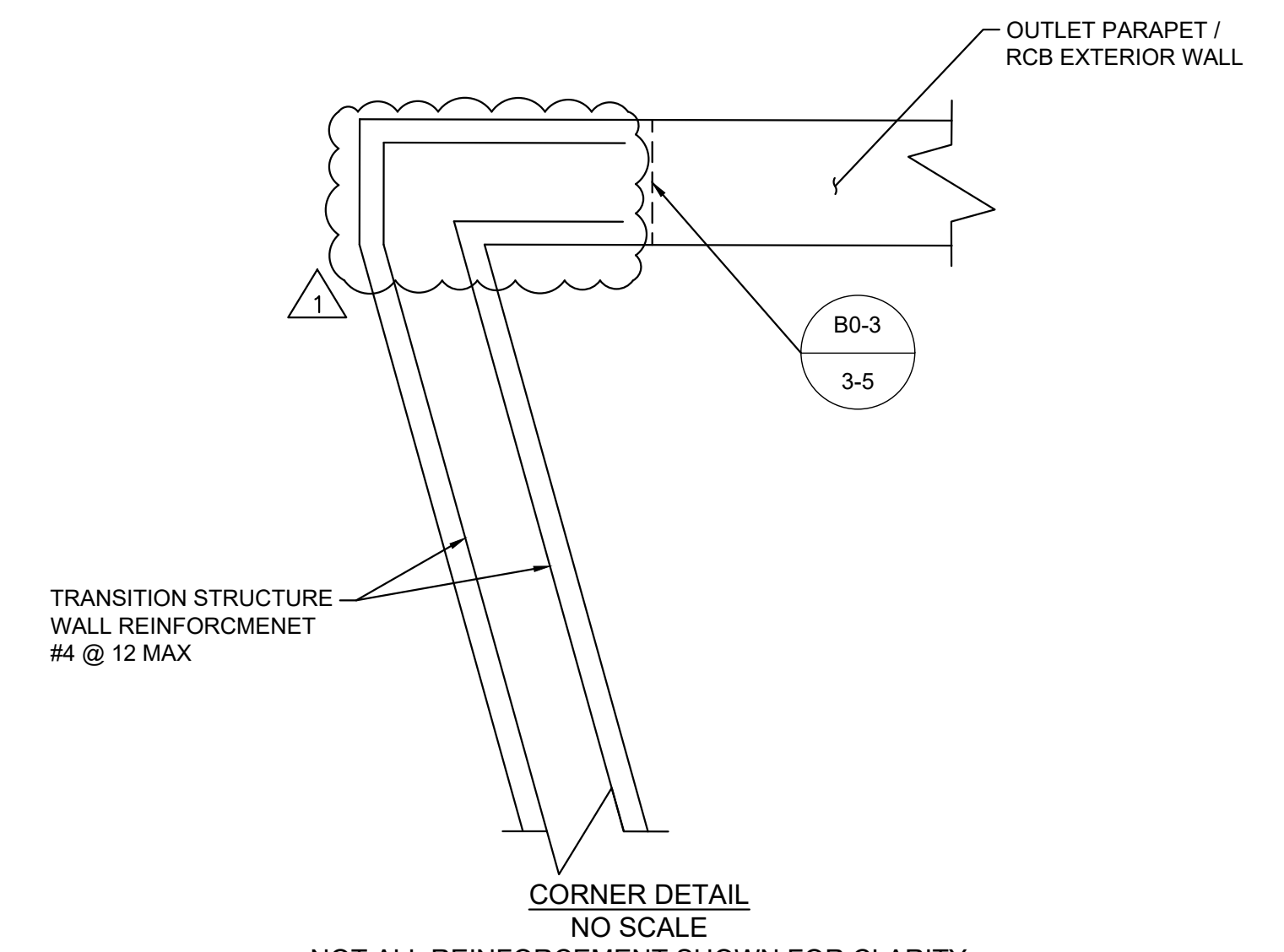
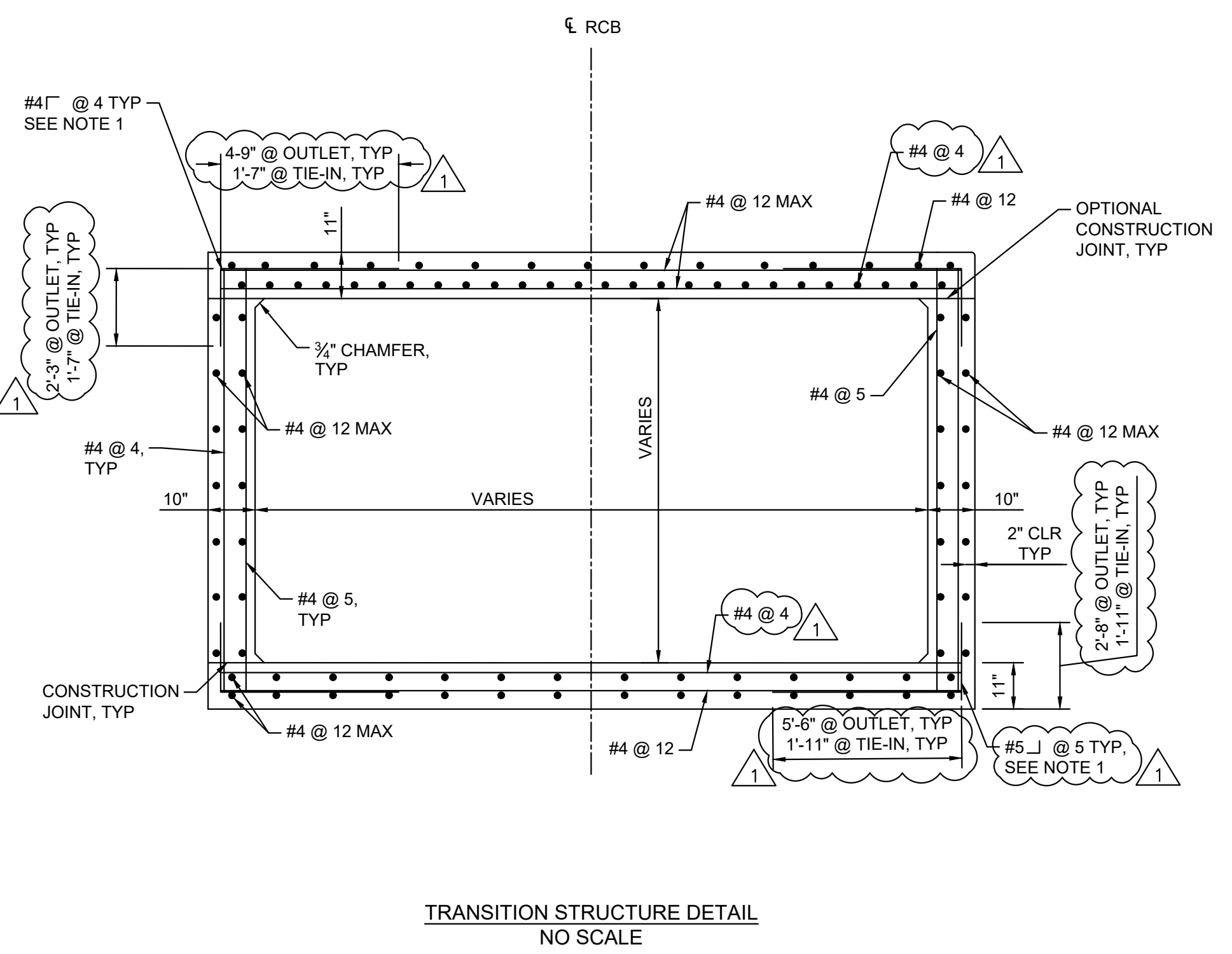
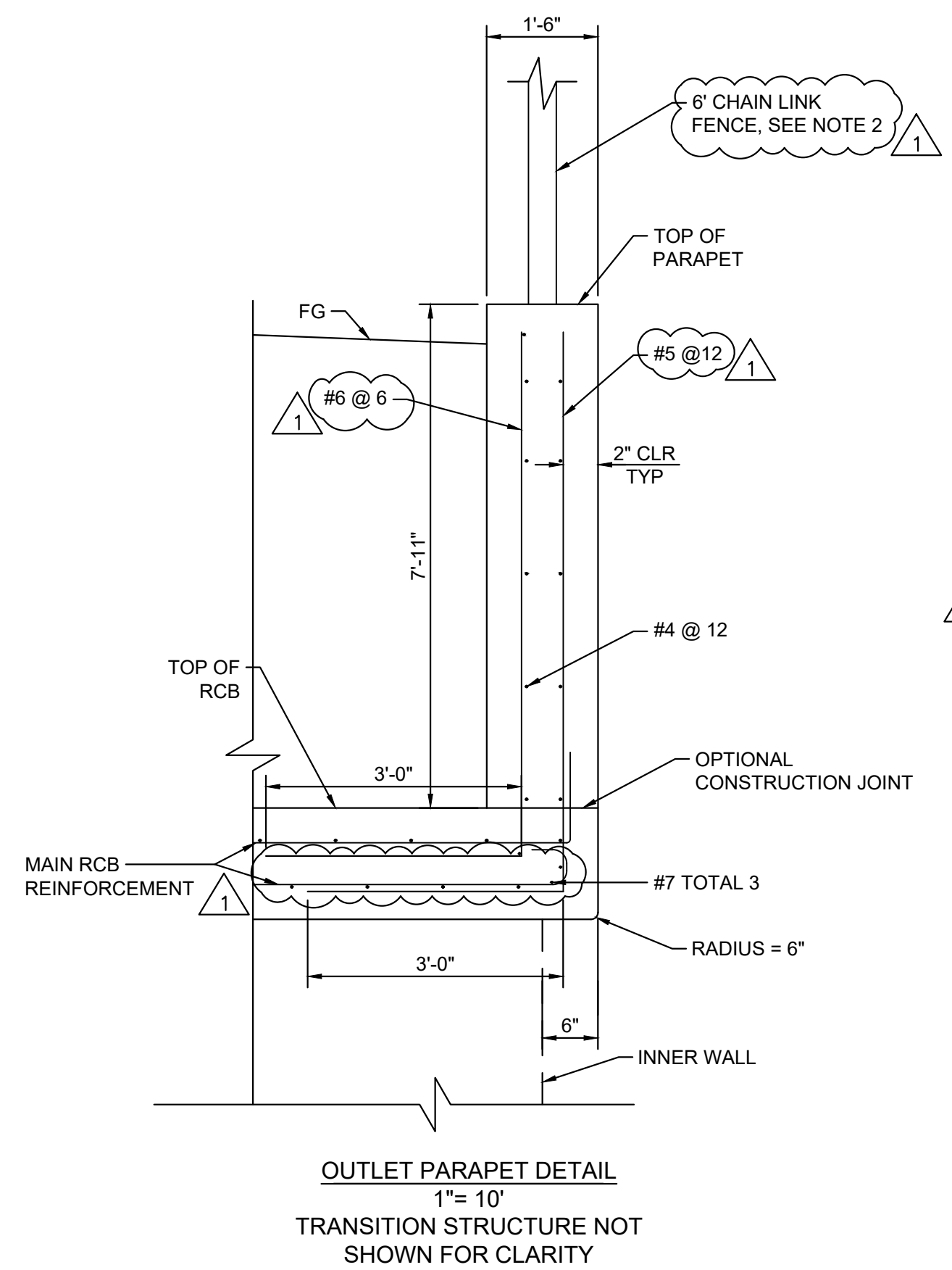
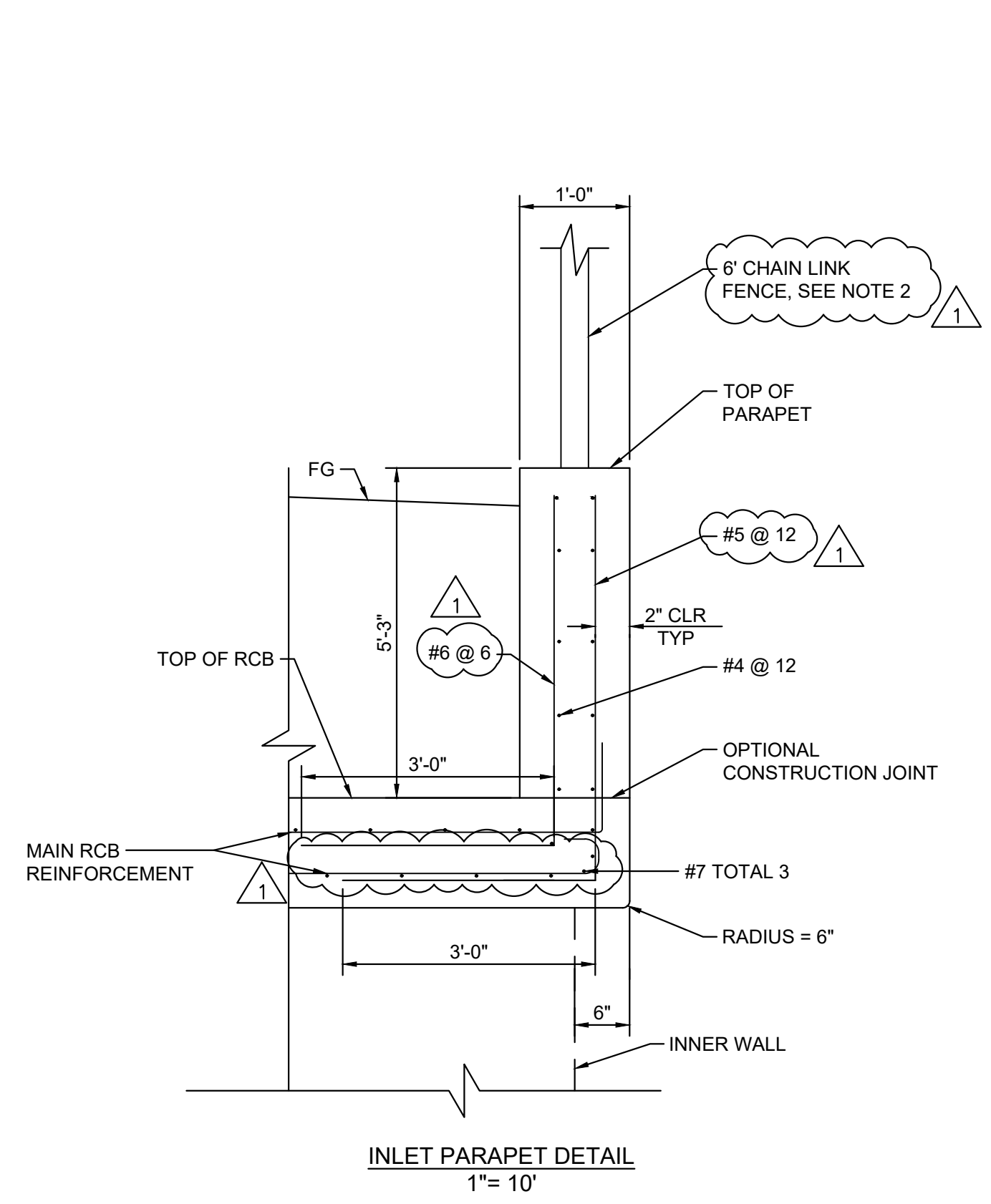
NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD
DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

LEGEND:

- EXISTING STRUCTURE
- NEW CONSTRUCTION
- CHANNEL REMOVAL (PORTION) SEE NOTE 4

NOTES:

1. LENGTH OF L-BARS IN TOP AND BOTTOM CORNERS SHALL VARY UNIFORMLY THROUGHOUT THE TRANSITION STRUCTURE.
2. SEE DRAWING NO. ST-01 FOR CHAIN LINK FENCE LIMITS AND DETAILS.
3. CHANNEL REMOVAL (PORTION) SHALL BEGIN WHERE CHANNEL TOP OF WALL BEGINS TO SLOPE DOWN AT END OF CHANNEL.
4. CHANNEL REMOVAL (PORTION) SHALL BE INCLUDED IN THE REMOVAL OF EXISTING WARPED WINGWALLS AND CONCRETE APRON PER DRAWING NO. DM-01.



4			
3			
2			
1	UPDATE REINFORCEMENT DETAILS FOR BOTH PARAPETS AND THE TRANSITION STRUCTURE	01/28/26	CS
#	DESCRIPTION OF REVISION	DATE	CITY APPROVED

CITY OF RANCHO CUCAMONGA

DRAINAGE STRUCTURAL DETAILS NO. 3

CIP PROJECT NO. 800-2025-07		APPROVED BY: CITY ENGINEER	DATE: _____
DESIGN AC	1/28/26	DRAWN AC	1/28/26
CHECKED JR	1/28/26	DATE	FILE No
RECOMMENDED CS		DRAWING NO. S-03	
SHEET		18 OF 20	

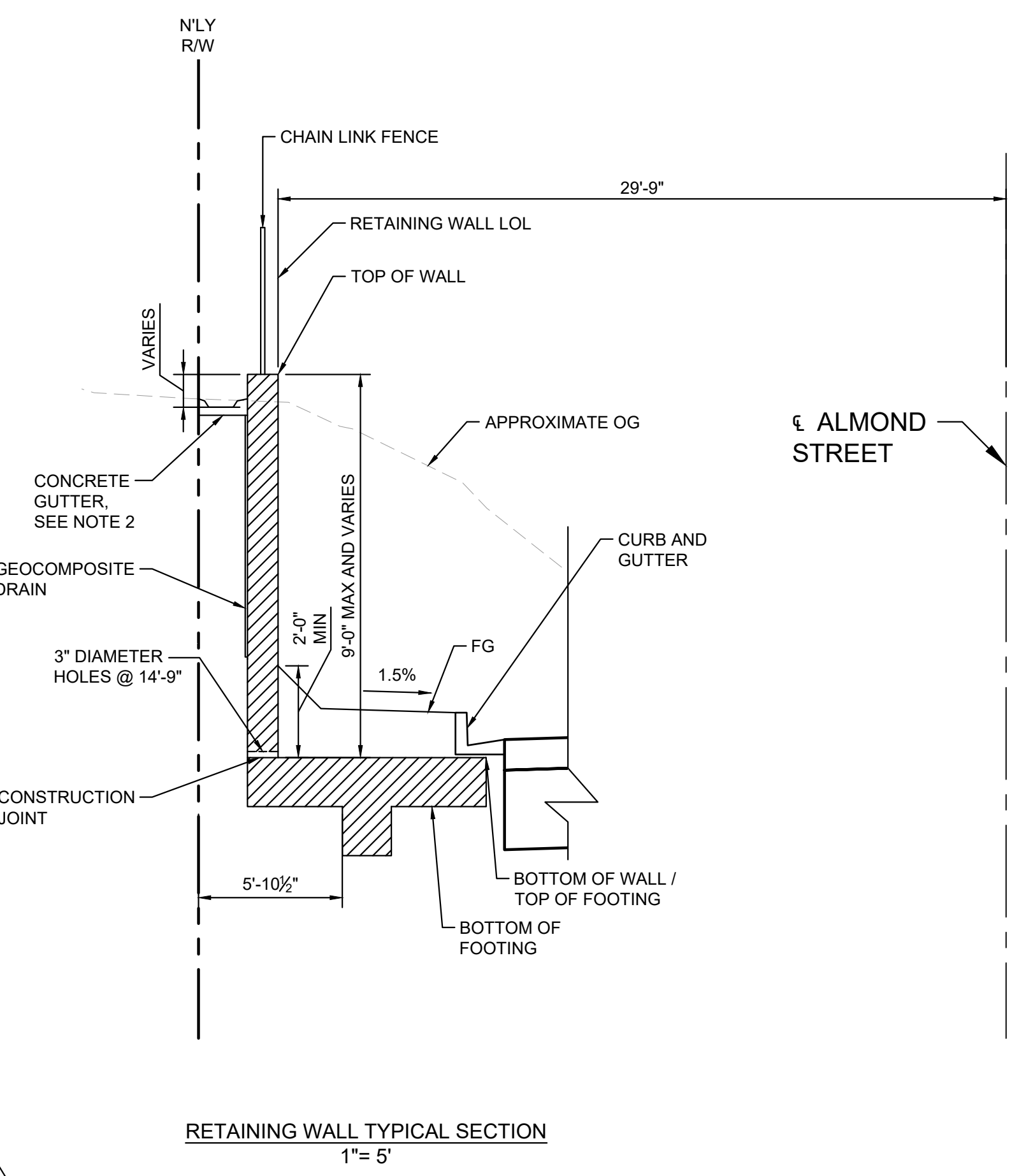
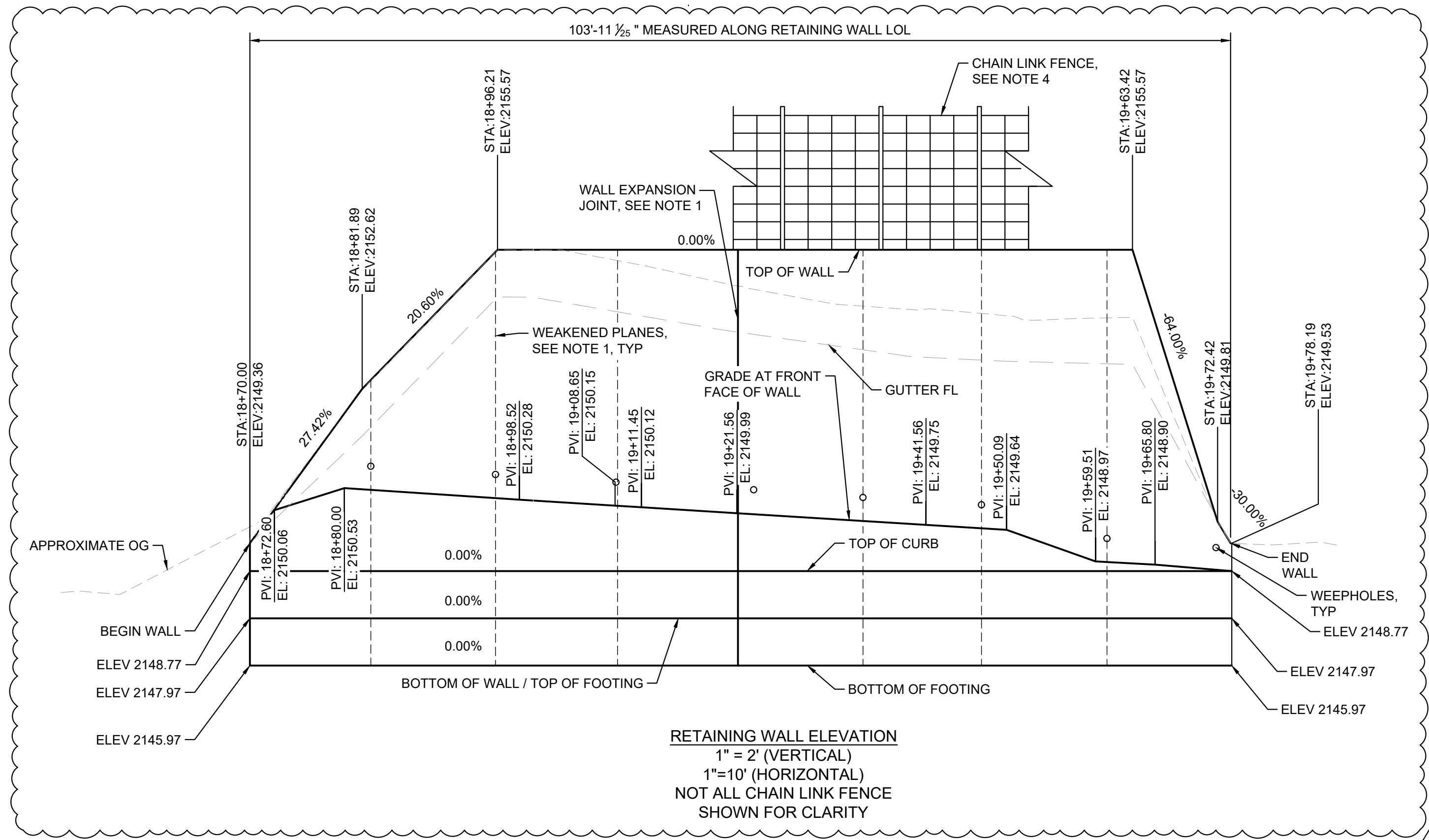


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NOTE: THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

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- NOTES:**
- FOR WALL EXPANSION JOINT AND WEAKENED PLANNED DETAILS, SEE CALTRANS STANDARD PLAN B0-3.
 - FOR CONCRETE GUTTER DETAILS, SEE CALTRANS STANDARD PLAN B3-6. SEE DRAWING NO. CD-01 FOR GUTTER FLOWLINE.
 - UTILITY LOCATIONS ARE APPROXIMATE, CONTRACTOR VERIFY ALL UTILITY LOCATIONS AND ELEVATIONS PRIOR TO WALL CONSTRUCTION.
 - SEE DRAWING NO. ST-01 FOR CHAIN LINK FENCE LIMITS AND DETAILS.

2025 CALTRANS STANDARD PLAN NO.

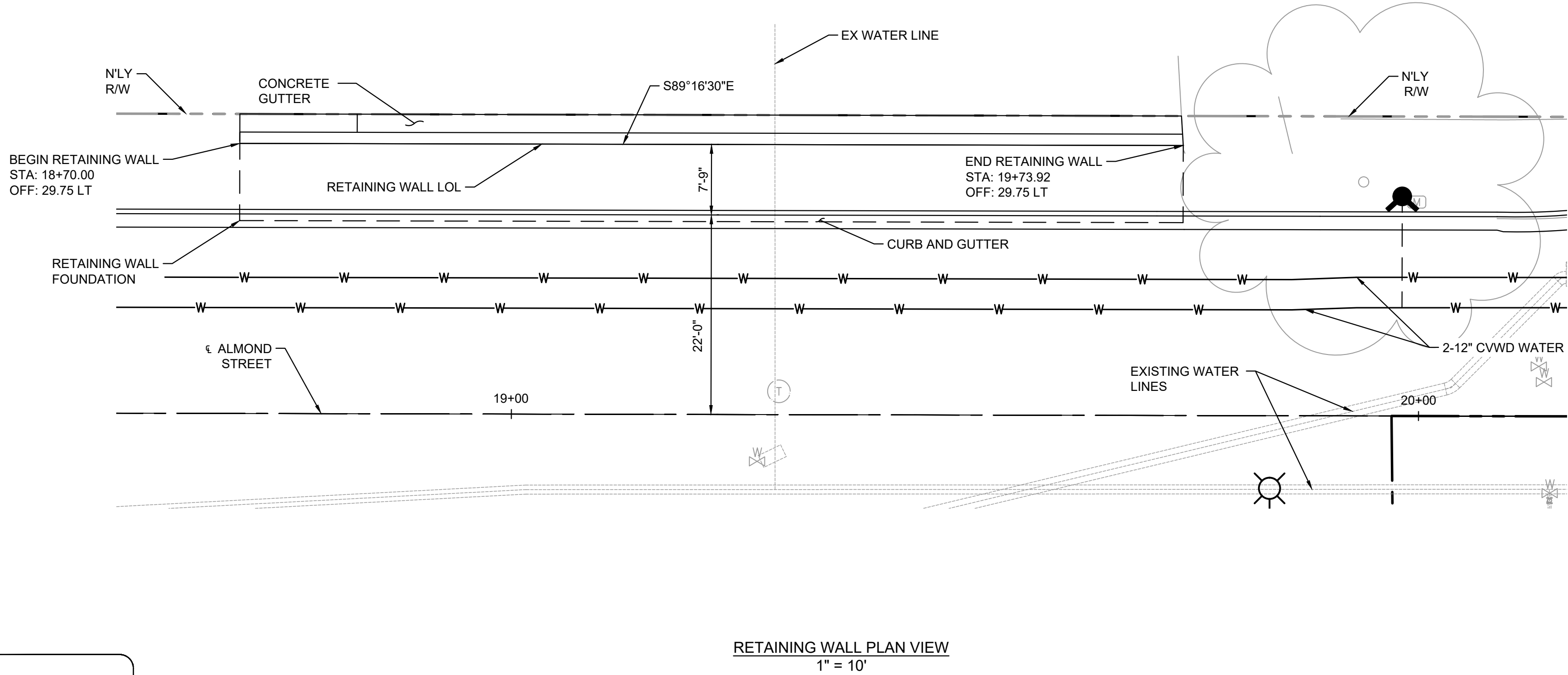
DETAIL NO.

STRUCTURAL GENERAL NOTES:

- MATERIALS AND CONSTRUCTION SHALL CONFORM TO 2025 CALTRANS STANDARD PLANS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL REVIEW EXISTING CONDITIONS ON THE SITE DURING THE BIDDING. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO WAR. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES PRIOR TO PROCEEDING.
- ALL DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE SHOWN ON THE PLANS, SECTIONS, AND DETAILS. DRAWINGS SHALL NOT BE SCALED FOR CONSTRUCTION PURPOSES.

STANDARD PLANS DATED 2025:

A62B	LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL - BRIDGE SURCHARGE AND WALL
B0-3	BRIDGE DETAILS
B3-5	RETAINING WALL DETAILS NO. 1
B3-6	RETAINING WALL DETAILS NO. 2



STRUCTURAL CONCRETE, RETAINING WALL

CONCRETE STRENGTH AND TYPE LIMITS
NO SCALE

4			
3			
2			
1	MINOR UPDATES TO THE RW ELEVATION	01/28/26	CS
#	DESCRIPTION OF REVISION	DATE	CITY APPROVED

CITY OF RANCHO CUCAMONGA

RETAINING WALL DETAILS NO. 1

GIP PROJECT NO. 800-2025-07

APPROVED BY: CITY ENGINEER	DATE: RCE:
DESIGN AC 1/28/26	RECOMMENDED CS
DRAWN AC 1/28/26	DRAWING NO. S-04
CHECKED JR 1/28/26	SHEET 19 OF 20

DATE: _____ FILE No: _____



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NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

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DESIGN NOTES:

DESIGN: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION WITH CALIFORNIA AMENDMENTS, PREFACE DATED APRIL 2019

LS: VARIED SURCHARGE ON LEVEL GROUND SURFACE

EQE: MONONABLE-OKABE METHOD
 $K_1 = 0.25$
 $K_2 = 0.0$

SOIL: $\phi = 32^\circ$
 $\gamma = 120$ PCF

REINFORCED CONCRETE:
 $f_c = 3600$ PSI
 $f_y = 60000$ PSI

LOAD COMBINATIONS AND LIMIT STATES
 SERVICE I: $Q = 1.00DC + 1.00EV + 1.00EH + 1.00ES$
 STRENGTH I: $Q = \phi DC + \beta EV + 1.5EH + 1.75LS$
 EXTREME I: $Q = 1.00DC + 1.00EV + 1.00EH + 1.00EQD + 1.00EQE$

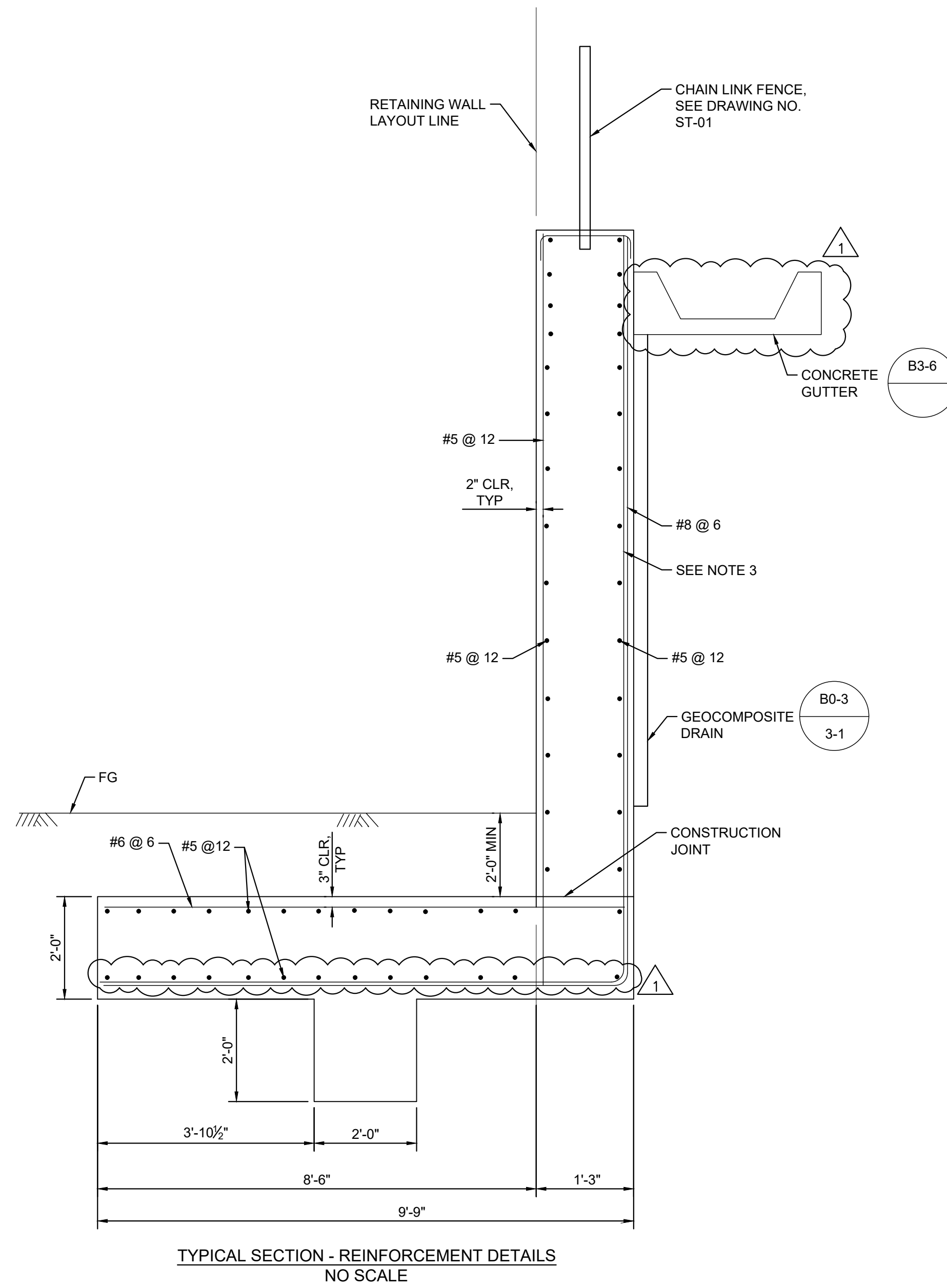
WHERE:
 Q: FORCE EFFECTS
 ϕ : 1.25 OR 0.90, WHICHEVER CONTROLS DESIGN
 β : 1.35 OR 1.00, WHICHEVER CONTROLS DESIGN
 DC: DEAD LOAD OF STRUCTURAL COMPONENTS
 EV: VERTICAL EARTH FILL PRESSURE
 LS: LIVE LOAD SURCHARGE
 EQE: SEISMIC EARTH PRESSURE
 EQD: SOIL AND STRUCTURE COMPONENTS INERTIA. SOIL INERTIA IGNORED FOR STEM DESIGN

FOUNDATION
 REPORT PREPARED BY NINYO & MOORE:

GEOTECHNICAL EVALUATION ALMOND STREET IMPROVEMENT PROJECT VIA VERDE STREET TO CARNELIAN STREET

NOTES:

- FOR DETAILS NOT SHOWN AND DRAINAGE NOTES, SEE CALTRANS STANDARD PLAN B3-5. SUBSTITUTION OF GEOCOMPOSITE DRAIN FOR PERVIOUS BACKFILL MATERIAL IS NOT PERMITTED.
- FOOTING COVER, 2'-0" MINIMUM.
- PROVIDE #6 @ 12" X 16'-0" BAR OVER A DISTANCE OF 8'-0" MEASURED FROM ALL EXPANSION JOINTS, BEGIN WALL AND END WALL LOCATIONS. HOOK BARS INTO FOOTING AND REDUCE BAR LENGTH AS NEEDED TO MAINTAIN MINIMUM CLEAR COVER.



4			
3			
2			
1	CLARIFIED ADDITIONAL BARS TO BE PLACED PER NOTE 3	01/28/26	CS
#	DESCRIPTION OF REVISION	DATE	CITY APPROVED

CITY OF RANCHO CUCAMONGA

RETAINING WALL DETAILS NO. 2

CIP PROJECT NO. 800-2025-07

APPROVED BY: _____ DATE: _____
 CITY ENGINEER RCE:

DESIGN	AC	1/28/26	Kimley»Horn	RECOMMENDED	CS
DRAWN	AC	1/28/26		DRAWING NO.	S-05
CHECKED	JR	1/28/26	RCE No. _____	SHEET	20 OF 20
DATE _____			FILE No. _____		



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 UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

NOTE:
 THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

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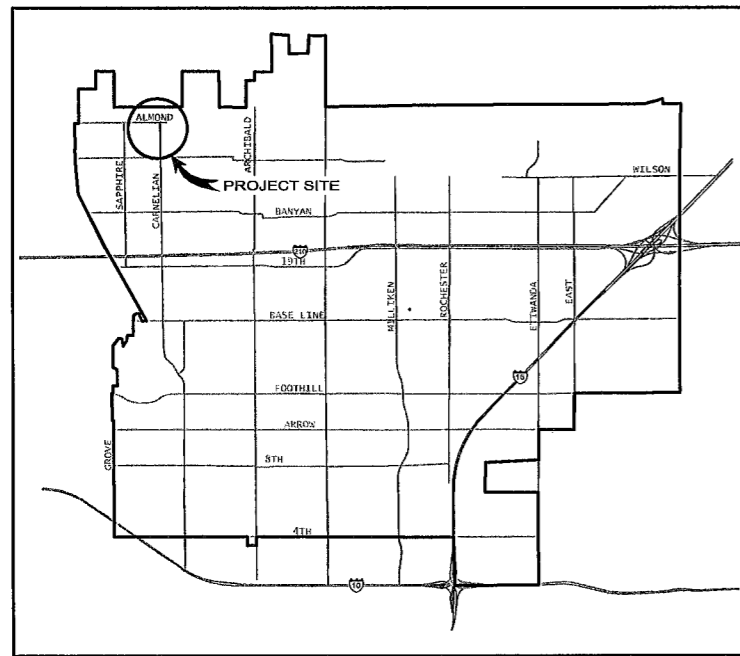
CVWD TEMPORARY BYPASS PLANS



Cucamonga Valley Water District

CONSTRUCT BYPASS WATERLINE IN ALMOND ST. FROM VIA VERDE ST. TO CARNELIAN ST.

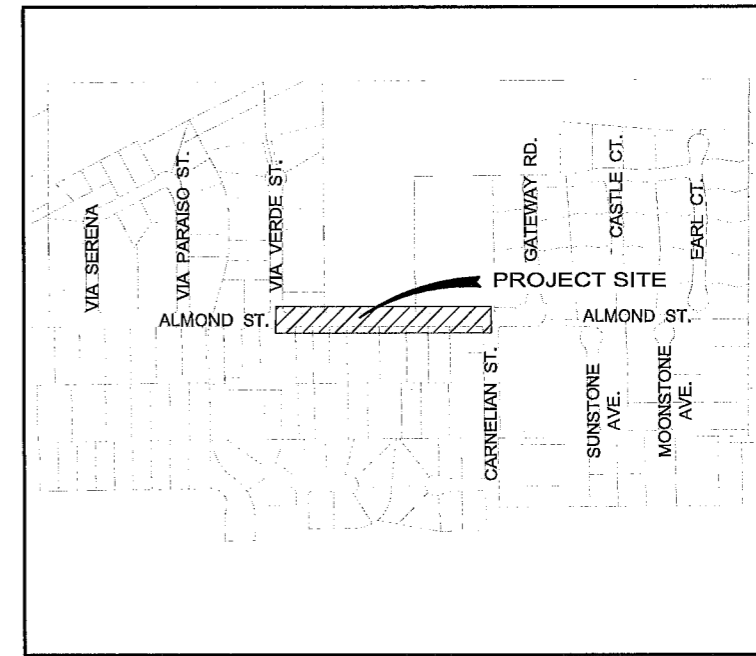
CP26031
JANUARY 2026



VICINITY MAP
N.T.S.

SHEET INDEX

SHI.	DWG.	SHEET TITLE
1	G-1	TITLE SHEET
2	G-2	GENERAL NOTES
3	G-3	ABBREVIATIONS AND LEGEND
4	G-4	KEY MAP AND SURVEY INFORMATION
5	C-1	PLAN AND PROFILE



LOCATION MAP
N.T.S.

NOTICE TO CONTRACTOR

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

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

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

REV.	DESCRIPTION	DATE	APP'D

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



PLANS APPROVED BY:
Tuan Truong
TUAN TRUONG, P.E.,
ENGINEERING MANAGER (CAPITAL & DEVELOPMENT)
DATE: 1-13-26 R.C.E. 80604 EXP. 03-31-27

DESIGNED BY: TUAN T.
DRAWN BY: TYLER B.
CHECKED BY: TUAN T.
DATE: 12/11/25
BAR SCALE BELOW IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.

16" BYPASS WATERLINES
CP26031 BYPASS WATERLINE
TITLE SHEET

G-1
AB
SHT. 1 OF 5

Last saved: TYLER B. C:\CADD\CVCWD CADD Drawings\Capital Improvements\Cp-26031 (Construct Waterline in Almond St from Via Verde to Carmelina).dwg (CP26031 - Plan and Profile - Bypass waterline.dwg 1/13/2026 12:53 PM)

WATER GENERAL NOTES

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

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

CONTRACTOR SUPPLIED MATERIALS

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

CONSTRUCTION NOTIFICATION

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

DEVIATIONS FROM STANDARDS

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

CONTRACT DOCUMENTS AND SPECIFICATIONS

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

SAFETY

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

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

SAFETY AND RESPONSIBILITY

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

PROPERTY LINES

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

UTILITY MARKOUT

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

EXPLORATORY EXCAVATIONS

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

MONUMENTATION

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

DAMAGED IMPROVEMENTS

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

SURVEYING

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

PERMITS

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

UTILITY NOTES

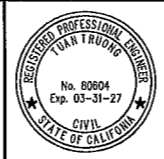
1. CONTRACTOR SHALL NOTIFY UTILITY COMPANIES PRIOR TO STARTING WORK NEAR COMPANY FACILITIES AND COORDINATE WORK WITH COMPANY REPRESENTATIVES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE UTILITY COMPANIES, ADVISE THEM OF THE PROPOSED IMPROVEMENTS AND BEAR THE COST OF RELOCATION, IF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

REV.	DESCRIPTION	DATE	APP'D

Underground Service Alert

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PLANS APPROVED BY:

Tuan Truong

TUAN TRUONG, P.E.,
ENGINEERING MANAGER (CAPITAL & DEVELOPMENT)

DATE: 1-13-26 R.C.E. 80604 EXP. 03-31-27

DESIGNED BY: TUAN T.
CHECKED BY: TUAN T.
DRAWN BY: TYLER B.
DATE: 12/11/25

BAR SCALE BELOW IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.



16" BYPASS WATERLINES
CP26031 BYPASS WATERLINE
GENERAL NOTES

G-2
AB
SHT. 2 OF 5

W.C. CP26031 BYPASS

Last saved: TYLERB Q:\CADD\CADD Drawings\CADD Drawings\Capital Improvements\Cp-26031 (Construct Waterline in Almond St from Via Verde to Camellian)\dwg\CP26031 - Plan and Profile - Bypass waterline.dwg 1/13/2026 12:53 PM

AB	AGGREGATE BASE	M	METER
ABC	AGGREGATE BASE COURSE	MATL	MATERIAL
AC	ASPHALTIC CONCRETE	MAX	MAXIMUM
ACP	ASBESTOS CEMENT PIPE	MC	MORTAR COATED
ADA	AMERICAN DISABILITY ACT	MG	MILLION GALLONS
AD	AREA DRAIN	MGD	MILLION GALLONS PER DAY
AMS	ANGLE METER STOP	MH	MANHOLE
AMI	AMERICAN NATIONAL STANDARDS INSTITUTE	MIN	MINIMUM
ANSI	AUTOMATED METER INFRASTRUCTURE	MISC	MISCELLANEOUS
ASTM	AMERICAN SOCIETY OF TESTING MATERMS	MJ	MECHANICAL JOINT
AV	AIR VENT/AIR VALVE	ML	MORTAR LINED
AVAR	AIR VACUUM AIR RELEASE VALVE	MLC	MORTAR LINED & COATED
AVE	AVENUE	MON	MONUMENT
AWWA	AMERICAN WATER WORKS ASSOCIATION	MOV	MOTOR OPERATED VALVE
BCR	BEGIN CURB RETURN	N	NORTHING
B&S	BELL & SPIGOT	NAVD	NORTH AMERICAN VERTICAL DATUM
BC	BACK OF CURB/BEGIN OF CURVE	NE	NORTHEAST
BFP	BACKFLOW PREVENTER	NG	NATURAL GROUND
BFV	BUTTERFLY VALVE	NIC	NOT IN CONTRACT
BL-FLG	BLIND FLANGE	NIP	NOT IN PROJECT
BLDG	BUILDING	NO. #	NUMBER
BLM	BUREAU OF LAND MANAGEMENT	NTS	NOT TO SCALE
BLVD	BOULEVARD	NW	NORTHWEST
BM	BENCHMARK		
BO	BLOW OFF ASSEMBLY	OD	OUTSIDE DIAMETER
BOC	BACK OF CURB	OHP	OVER HEAD POWER
BPV	BACK PRESSURE VALVE	OHTEL	OVER HEAD TELEPHONE
BY	BALL VALVE	ORIG	ORIGINAL
BW	BACK OF SIDEWALK	OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
C&G	CURB & GUTTER	PC	POINT CURVATURE
CAV	COMBINATION AIR VALVE	PE	PLAIN END
CIP	CAST IRON PIPE/CAST IN PLACE	PROP	PROPOSED
CL	CENTERLINE	PRV	PRESSURE REGULATING / REDUCING VALVE
CL2	CHLORINE	PSI	PRESSURE SWITCH/PUMP STATION
CLO	CLEANOUT	PT	POINT OF TANGENCY
CLSM	CONTROLLED LOW STRENGTH MATERIAL	PV	PLUG VALVE
CMP	CORRUGATED METAL PIPE	PVC	POLYVINYL CHLORIDE PIPE
CMU	CONCRETE MASONRY UNIT	PRC	POINT OF REVERSE CURVE
CONC	CONCRETE		
CORP STOP	CORPORATION STOP	R	RADIUS
CPLG	COUPLING	R/W	RIGHT-OF-WAY
CTV	CABLE TELEVISION	RCB	REINFORCED CONCRETE BOX
CV	CONTROL VALVE	RCP	REINFORCED CONCRETE PIPE
CY	CUBIC YARD	RD	ROAD
		RR	RAILROAD
D/W	DRIVEWAY	RSGV	RESILIENT SEALED GATE VALVE
DEMO	DEMOLITION	RT	RIGHT
DEPT	DEPARTMENT		
DET	DETAIL	S	SOUTH
DI	DROP INLET	SBCFCDD	SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT
DIA OR O	DIAMETER	SCH	SCHEDULE
DIP	DUCTILE IRON PIPE	SD	STORM DRAIN
DMH	DROP MANHOLE	SE	SOUTHEAST
DR	DRIVE	SHT	SHEET
DWG	DRAWING	SOW	SLIP ON WELD
DWR	STATE OF CALIFORNIA DEPARTMENT OF WATER RESOURCES	SPCS	STATE PLANE COORDINATES SYSTEM
		SPEC(S)	SPECIFICATION(S)
		SQ FT	SQUARE FOOT (FEET)
		SS	SANITARY SEWER
		SSPWC	STANDARDS & SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION
		ST	STREET
		STA	STATION
		STL	STEEL
		SW	SOUTHWEST
		SWP	SOUTHWEST STATE WATER PROJECT
		T	THICKNESS OF STEEL OR WELD
		TEL	TELEPHONE
		TBM	TEMPORARY BENCH MARK
		TC	TOP OF CURB
		TEMP	TEMPORARY
		TOF	TOP OF FOOTING
		TOG	TOP OF GRADE
		TOW	TOP OF WALL
		TP	TELEPHONE POLE
		(TYP)	TYPICAL
		UE	UNDERGROUND ELECTRIC
		UFC	UNIFORM FIRE CODE
		UL	UNDERWRITERS LABORATORIES
		UNO	UNLESS NOTED OTHERWISE
		UPRR	UNION PACIFIC RAILROAD
		USGS	UNITED STATES GEODETIC SURVEY
		UTIL	UTILITIES
		V	VALVE
		VCP	VITRIFIED CLAY PIPE
		VERT	VERTICAL
		VPI	VERTICAL POINT OF INTERSECTION
		W/	WITH
		W	WEST/WATER
		W/O	WITHOUT
		WM	WATER METER
		WS	WATER SURFACE
		WSP	WELDED STEEL PIPE
		WWF	WELDED WIRE FABRIC
		WWM	WELDED WIRE MESH
		WV	WATER VALVE

LEGEND

	DEMOLISH OR ABANDON
	PROPOSED CLASS II BASE
	PROPOSED 3" A.C. ON 6" CAB ACCESS ROADWAY
	FLOWLINE
	CURVE DATA
	CONSTRUCTION NOTE
	CONTROL POINTS
CONC.	CONCRETE
G.B.	GRADE BREAK
FS	FINISHED SURFACE
FL	FLOW LINE
TC	TOP CURB
HP	HIGH POINT
T.G.	TOP GRATE
N.I.C.	NOT IN CONTRACT
Ø	DIAMETER
	WATER VALVE
	ELECTRIC PULLBOX
(XX)	EXISTING ELEVATION
	PROPOSED MAIN
	EXISTING MAIN
	SO. CAL. GAS
	SO. CAL. EDISON
	TELEPHONE
	SEWER
	STORM DRAIN
	FIRE HYDRANT
	EXISTING W.M.
	EXISTING G.V.
	REFERENCE BUBBLE
	RIGHT OF WAY
(W)	SOLID WELD JOINTS
	EDGE OF PAVEMENT

DRAWING OR SECTION REF. # (DETAIL) OR LETTER (SECTION)
DRAWING # SHEET WHERE DETAIL OR SECTION RESIDES

CONSTRUCTION NOTES

- ① FURNISH AND INSTALL 16" CML&C STEEL PIPE
- ② FURNISH AND INSTALL 12" CML&C STEEL PIPE
- ③ FURNISH AND INSTALL 16" CML&C - 90° BEND (FL X FL)
- ④ FURNISH AND INSTALL 12" CML&C - 90° BEND (FL X FL)
- ⑤ FURNISH AND INSTALL 16" X 12" REDUCER (FL X FL)
- ⑥ FURNISH AND INSTALL 16" BUTTSTRAP WITH HAND HOLES
- ⑦ FURNISH AND INSTALL 12" BUTTSTRAP WITH HAND HOLES

REV.	DESCRIPTION	DATE	APP'D

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TWO WORKING DAYS BEFORE YOU DIG

PLANS APPROVED BY:

TUAN TRUONG, P.E.,
ENGINEERING MANAGER (CAPITAL & DEVELOPMENT)
DATE: 1-13-26 R.C.E. 80804 EXP. 03-31-27

DESIGNED BY: TUAN T.
DRAWN BY: TYLER B.
CHECKED BY: TUAN T.
DATE: 12/11/25
BAR SCALE BELOW IS ONE INCH ON ORIGINAL DRAWING, IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.

10440 ASHFORD STREET,
RANCHO CUCAMONGA, CA 91729 (909) 987-9591

Cucamonga Valley Water District

16" BYPASS WATERLINES
CP26031 BYPASS WATERLINE
ABBREVIATION AND LEGEND

G-3
AB
SHT. 3 OF 5

W.O. CP26031 BYPASS

Last saved: TYLERB Q:\CADD\CCVD CADD Drawings\Capital Improvements\Cp-26031 (Construct Waterline in Almond St from Via Verde to Carnelian)\dwg\CP26031 - Plan and Profile - Bypass waterline.dwg 1/13/2026 12:53 PM

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

SURVEY INFORMATION

SURVEYOR

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

BASIS OF BEARINGS

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

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

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

BASIS OF COORDINATES

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

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

ELEVATION DATUM

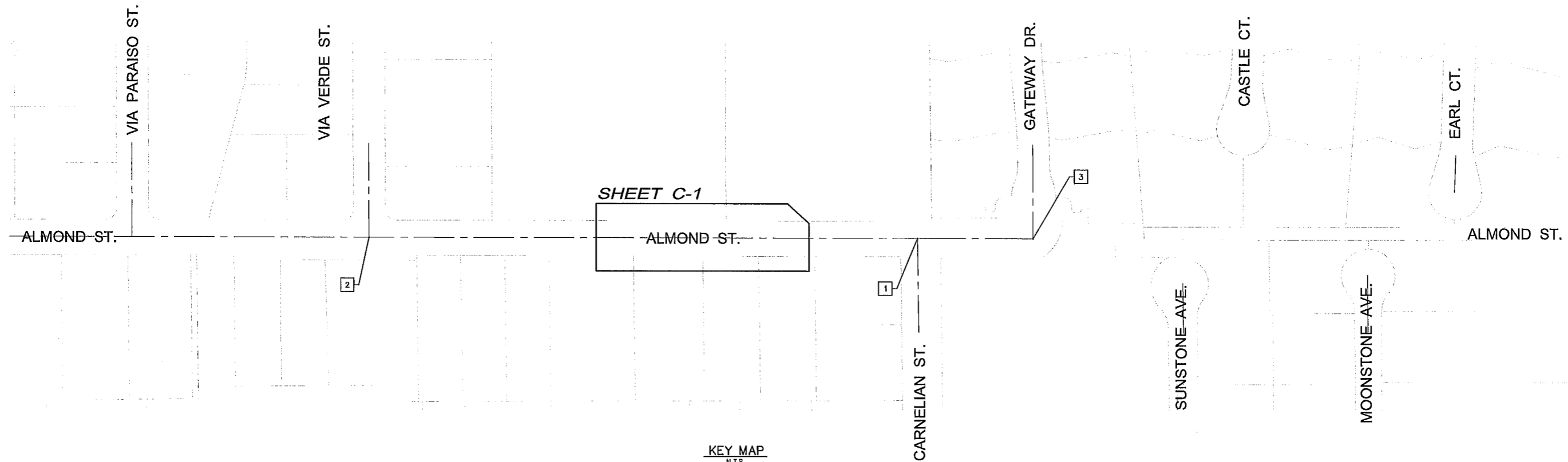
THE ELEVATION DATUM FOR THIS SURVEY IS BASED ON NGVD29. VERTICAL CONTROL WAS ESTABLISHED BASED ON STATIC GPS MEASUREMENTS TO THE BENCHMARK SHOWN HEREON.

BENCHMARK

CITY OF RANCHO CUCAMONGA BM 10108

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

ELEVATION = 1943.723 SFT (NGVD29)



KEY MAP
N.T.S.

REV.	DESCRIPTION	DATE	APP'D

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PLANS APPROVED BY:
Tuan Truong
TUAN TRUONG, P.E.,
ENGINEERING MANAGER (CAPITAL & DEVELOPMENT)
DATE: 1-13-26 R.C.E. #0604, EXP. 03-31-27

DESIGNED BY: TUAN T.
DRAWN BY: TYLER B.
CHECKED BY: TUAN T.
DATE: 12/11/25
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Cucamonga Valley Water District
10440 ASHFORD STREET,
RANCHO CUCAMONGA, CA 91729 (909) 987-2691

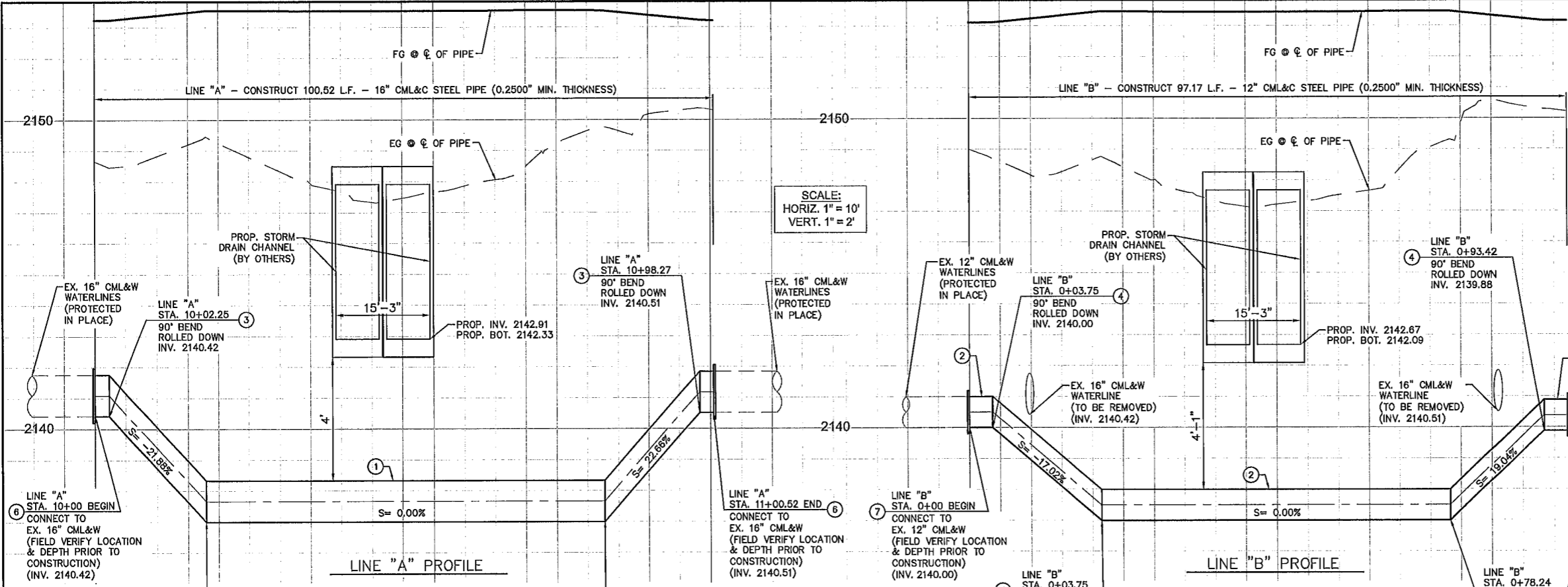
16" BYPASS WATERLINES
CP26031 BYPASS WATERLINE
KEY MAP AND SURVEY INFORMATION

G-4
AB
SHT. 4 OF 5

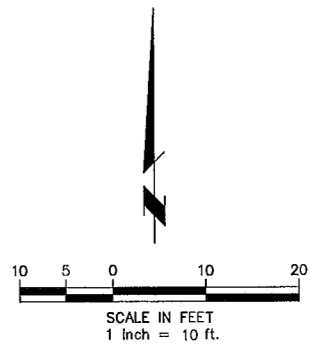
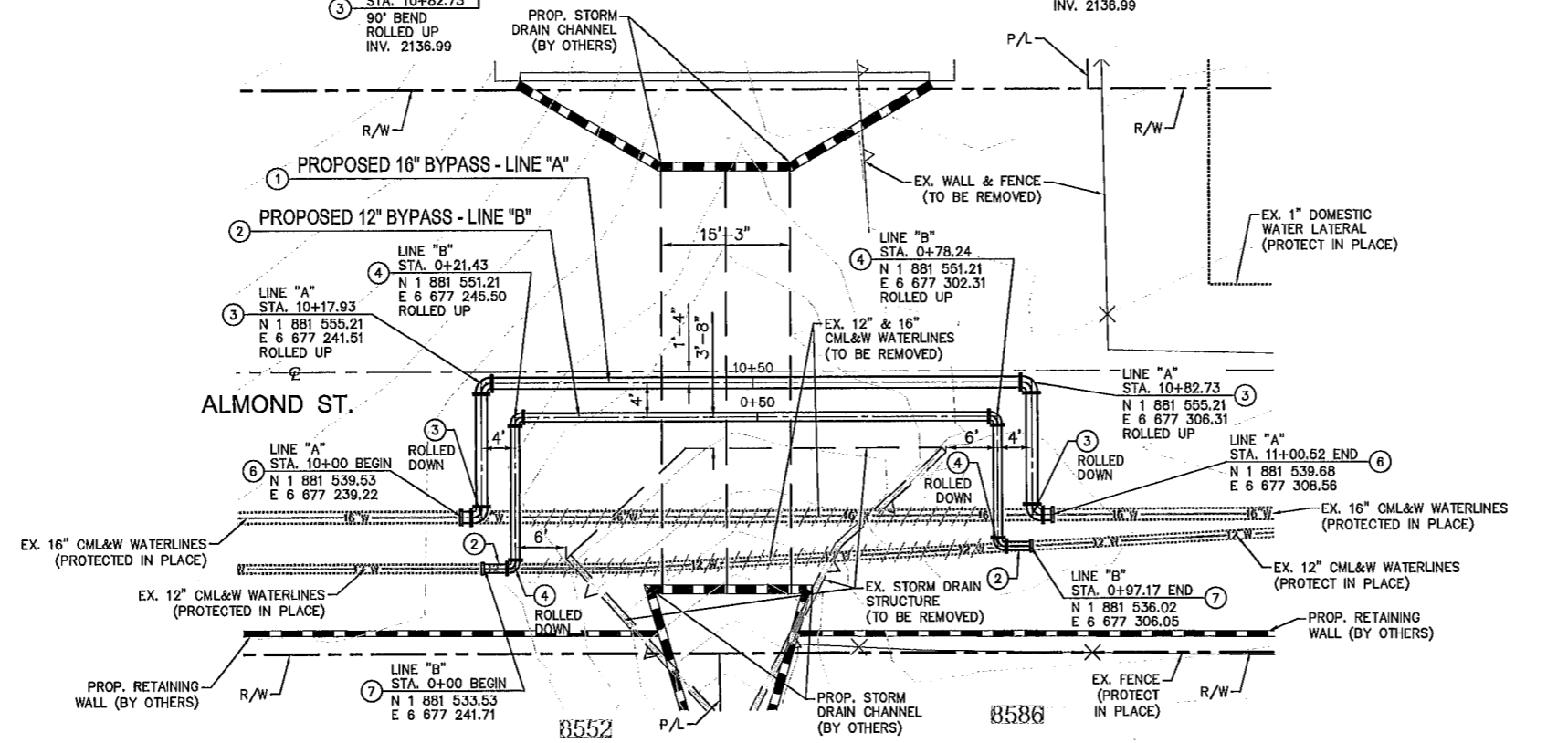
W.O. CP26031 BYPASS

Last saved: TYLERB C:\CADD\CADD Drawings\CAPITAL IMPROVEMENTS\CP-26031 (Construct Waterline in Almond St from Via Verde to Carmelina).dwg CP26031 - Plan and Profile - Bypass Waterline.dwg 1/13/2026 12:54 PM

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



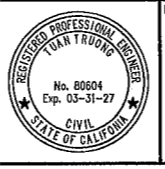
- CONSTRUCTION NOTES**
- ① FURNISH AND INSTALL 16" CML&C STEEL PIPE
 - ② FURNISH AND INSTALL 12" CML&C STEEL PIPE
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TWO WORKING DAYS BEFORE YOU DIG

PLANS APPROVED BY:
Tuan Truong
TUAN TRUONG, P.E.,
ENGINEERING MANAGER (CAPITAL & DEVELOPMENT)
DATE: 1-13-26 R.C.E. 80604 EXP. 03-31-27



DESIGNED BY:
TUAN T.

CHECKED BY:
TUAN T.

DRAWN BY:
TYLER B.

DATE:
12/11/25

BAR SCALE BELOW IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.

Cucamonga Valley
Water District
10410 ASHFORD STREET,
RANCHO CUCAMONGA, CA 91729 (909) 987-2691

16" BYPASS WATERLINES
CP26031 BYPASS WATERLINE
PLAN AND PROFILE

C-1
AB
SHT. 5 OF 5

W.O. CP26031 BYPASS