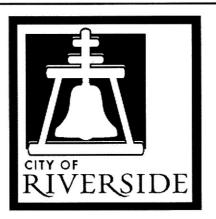
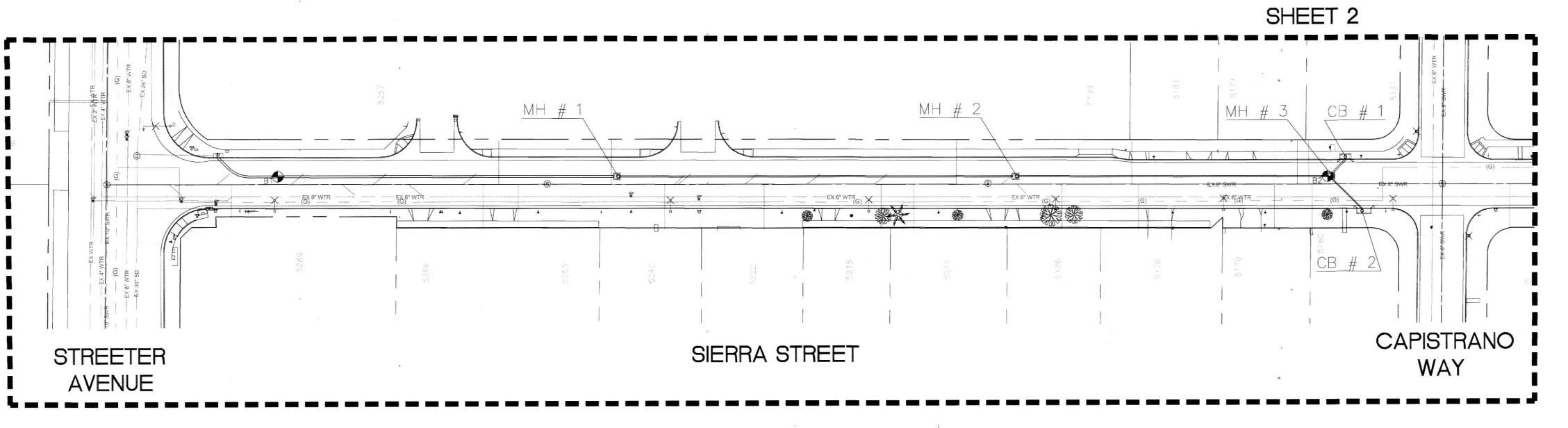
RIVERSIDE



CALIFORNIA

PUBLIC WORKS DEPARTMENT SIERRA STREET STORM DRAIN **IMPROVEMENTS**



INDEX MAP 1" = 50'

FURNISH AND INSTALL 8" DIP, WITH PROTECTIVE COATING PER SPECIAL PROVISIONS

FURNISH AND INSTALL 12" RCP, (D-LOAD PER PLAN)

FURNISH AND INSTALL 18" RCP, (D-LOAD PER PLAN)

CONSTRUCT 18" RCP PIPE CONNECTION TO EXISTING CATCH BASIN, V = 3.1' PER STANDARD DRAWING NO. 405. CONTRACTOR SHALL PROTECT IN PLACE EXISTING CATCH BASIN AND MAKE NECESSARY ADJUSTMENT FOR CONNECTION.

REMOVE AND REPLACE SPEED BUMP PER CITY OF RIVERSIDE STANDARD DRAWING NO. 251, TYPE I.

CONSTRUCT CATCH BASIN PER CITY OF RIVERSIDE STANDARD DRAWING NO. 405.

CONSTRUCT MANHOLE EZ PER CITY OF RIVERSIDE STANDARD NO. 431. - No. 500

CONSTRUCT PIPE BEDDING PER CITY OF RIVERSIDE STANDARD NO. 452, CASE I (452) GRANULAR MATERIAL SHALL BE SAND.

CONSTRUCT TRENCH BACKFILL PER CITY OF RIVERSIDE STANDARD NO. 453 AND REST (453) OF THE STREET WIDTH SHALL BE SLURRY SEAL (AS DESCRIBED IN THE SPECIAL

PROVISIONS). INSTALL ROADSIDE SIGN W8-1(MOD)(15) "BUMP 15" SIGN PER CITY OF RIVERSIDE STANDARD DRAWING

NO. 664, REFERENCE CITY OF RIVERSIDE STANDARD DRAWING NO. 251 FOR SIGN PLACEMENT.

RELOCATE SEWER LATERAL PER CITY OF RIVERSIDE STANDARD NO. 554, CASE PER PLAN:

PROTECT IN PLACE 3" GAS MAIN PER PLAN.

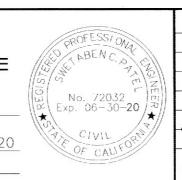
SLURRY SEAL - QUANTITY APPLIES COMPLETE PAVEMENT ROAD SECTION BEYOND THE TRENCH REPAIR LIMITS.

REMOVE AND REPLACE ALL CONTRACTOR DAMAGED TRAFFIC FACILITIES INCLUDING CONDUIT (670) CONDUCTORS, AND LOOP DETECTORS AT LOCATIONS WHERE THE EXISTING LOOP DETECTORS WILL BE AFFECTED OR DAMAGED BY THE PROPOSED WORK PER CITY OF RIVERSIDE STANDARD NO. 670. (SEE SHEET 3 FOR DETAILS)





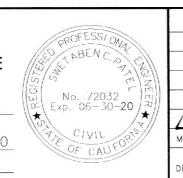
ENGINEER IN RESPONSIBLE CHARGE 175 Swetaben C. Patel R.C.E. No. 72032 EXPIRES: 6-30-20

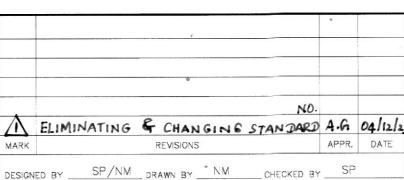


SHEET NO. SHEET NAME (LIMITS)

SPEED BUMP SLURRY SEAL

TRAFFIC SIGNAL PLAN





VICINITY MAP, LOCATION MAP, GENERAL NOTES, AND CONSTRUCTION NOTES

TIRE HYDRANT

POWER POLE AND LUMINAIRE

STORM DRAIN CATCH BASIN

WATER METER .

STATION 10+00 (BEGIN) TO STATION 18+72 (END) PLAN AND PROFILE

G4-X3 ELEVATION: 767.418 DATUM: (NGVD 1929) 1970 ADJUSTMENT

CORNER OF ARLINGTON AVENUE AND MALIBU DRIVE. .

P.K. NAIL AND CITY ENGINEER TAG IN A CONCRETE STREET LIGHT BASE AT THE NORTHEASTERLY

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS APPROVED BY 05/06/20 GINEERING MANAGER CITY ENGINEER AFFIC DIVISION 5 17. 70 REETS DIVISION

DESIGN WORK ORDER. NO .: 2017134 STORM DRAIN IMPROVEMENTS ONSTR. WORK ORDER. NO.: 2024196 SIERRA STREET D-911

STORM DRAIN IMPROVEMENTS SHEET 1 OF 3 TITLE SHEET AND NOTES FILE NAME: D-911-01.DWG ORIZ. SCALE: N.T.S. VERT. SCALE: NA

CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE STANDARD DRAWINGS AND STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION SPECIFICATIONS.

LEGEND

SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2012 EDITION. 3 EXISTING UTILITIES SHOWN ON THIS PLAN ARE PLOTTED FROM UTILITY RECORDS. THE CONTRACTOR IS REQUIRED TO

TAKE DUE PRECAUTIONARY MEASURES TO LOCATE AND PROTECT ALL UTILITIES WHETHER OR NOT SHOWN ON THIS

(4) CONFLICTING UTILITIES SHOWN WITHIN CONSTRUCTION AREA WILL BE RELOCATED PRIOR TO CONSTRUCTION.

ALL STREET PULL BOXES, GATE VALVES, MANHOLES, ETC, AFFECTED BY CONSTRUCTION, SHALL BE ADJUSTED TO THE PROPOSED GRADE.

(6) CONTRACTOR BIDDING THE WORK ON THIS PLAN SHALL HAVE A CLASS "A" OR "C-34".

(7) THE SEAM BETWEEN PASSES OF THE AC OVERLAY SHALL COINCIDE, AS CLOSE AS POSSIBLE, TO THE LANE LINES.

(8) COLD MILLING SHALL BE AS DESCRIBED ON THE PLANS AND SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.

9 ANY DISTRESSED EXISTING PAVEMENT SHALL BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEERING AFTER COLD-MILLING AND PRIOR TO PLACEMENT OF DGAC.

ALL EXISTING IMPROVEMENTS INCLUDING, BUT NOT LIMITED TO: CURB, GUTTERS, AC BERM, CROSS GUTTERS, SIDEWALK, DRIVEWAYS, PARKWAY CULVERTS, INLETS, ETC, SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.

EXISTING IRRIGATION SHALL BE PROTECTED OR MODIFIED, INCLUDING FURNISHING NEW MATERIALS, AS NECESSARY TO CONSTRUCT NEW CONCRETE IMPROVEMENTS.

(12) ADEQUATE FLOW LINES SHALL BE MAINTAINED AT ALL LOCATIONS.

THE CONTRACTOR SHALL CALL IN A UTILITY LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (U.S.A.) TOLL FREE 811, TWO WORKING DAYS BEFORE DIGGING. NO CONSTRUCTION PERMIT WILL BE ISSUED BY PUBLIC WORKS DEPARTMENT INVOLVING EXCAVATION FOR UNDERGROUND UTILITIES UNLESS THE APPLICANT HAS BEEN PROVIDED AN INQUIRY IDENTIFICATION NUMBER BY U.S.A..

(14) 🛖 INDICATES APPROXIMATE SOIL BORING LOCATION PER SOIL REPORT DATED 03/19/2020.

THE CONTRACTOR IS REQUIRED TO CONTACT ALL UTILITY AGENCIES REGARDING TEMPORARY SUPPORT AND SHORING REQUIREMENTS FOR THE VARIOUS UTILITY CROSSINGS SHOWN ON THESE PLANS. ALL UTILITTIES SHALL BE PROTECTED IN PLACE EXCEPT AS NOTED ON PLANS AND SPECIFICATIONS.

(16) CONTRACTOR SHALL COORDINATE WITH THE CITY OF RIVERSIDE TRAFFIC ENGINEERING DEPARTMENT AT (951) 826-6098 A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO WORK AFFECTING ANY TRAFFIC SIGNAL WITHIN CONSTRUCTION AREA. CONTACT CITY OF RIVERSIDE TRAFFIC ENGINEERING DEPARTMENT FOR TRAFFIC SIGNAL OPERATIONAL CHANGES WHEN TRAFFIC LOOPS ARE DAMAGED OR FOR TRAFFIC CONTROL CONDITIONS NOTED ON THE PLANS.

(17) CONTRACTOR SHALL REPLACE ALL CONTRACTOR DAMAGED TRAFFIC FACILITIES INCLUDING CONDUIT, CONDUCTORS, PULL BOXES AND LOOP DETECTORS. AT LOCATIONS WHERE THE EXISTING LOOP DETECTORS WILL BE AFFECTED OR DAMAGED BY THE PROPOSED WORK. LOOPS SHALL BE REPLACED WITHIN FIVE (5) WORKING DAYS OR AS DETERMINED BY THE ENGINEER. IN LIEU OF INSTALLING TEMPORARY LOOP DETECTORS, CONTRACTOR MAY PROVIDE AND INSTALL TEMPORARY VIDEO DETECTION SYSTEM FOR THE DURATION OF CONSTRUCTION, VIDEO DETECTION SYSTEM SHALL BE COMPATIBLE WITH THE CITY'S TRAFFIC SIGNAL SYSTEM.

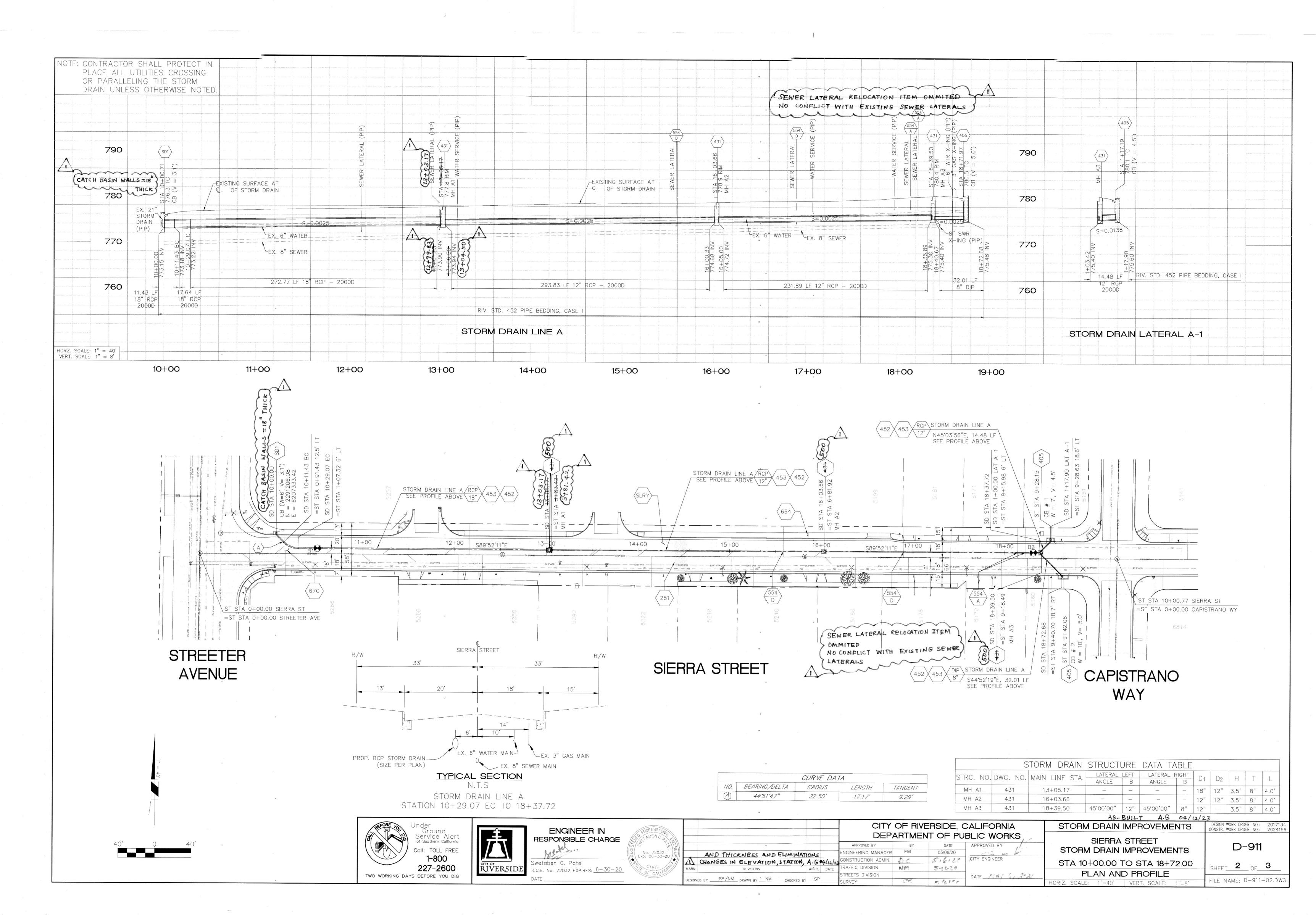
AS-BUILT A.G 04/12/23

CENTRAL AV

ARLINGTON AV

SIERRA ST

VICINTY MAP



TRAFFIC SIGNAL GENERAL NOTES:

- 1. ALL ITEMS FURNISHED AND ALL WORK TO BE DONE SHALL CONFORM TO THE REQUIREMENTS OF: THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD PLANS AND SPECIFICATIONS, DATED 2018; THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES ADOPTED 2014; AND THE SPECIAL PROVISIONS.
- 2. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS TO NOTIFY ALL AFFECTED AGENCIES AND THE RIVERSIDE UTILITY COMPANIES A MINIMUM OF 48 HOURS PRIOR TO START OF CONSTRUCTION.
- 3. UNLESS SHOWN OTHERWISE, INDUCTIVE LOOPS SHALL BE MODIFIED TYPE "D" & TYPE "E" WITH 10', 15' AND 30' SPACING IN THE DIRECTION OF TRAVEL. NECESSARY STRIPING SHALL BE LOCATED PRIOR TO POSITIONING LOOPS. LOOPS SHALL BE SEALED WITH HOT MELT SEALANT. SEE DETAIL.
- 4. CONDUIT BETWEEN ADJOINING PULL BOXES SHALL BE 2" UNLESS SHOWN OTHERWISE. ALL CONDUIT AND FITTINGS SHALL BE RIGID METAL, UNLESS SHOWN OTHERWISE (BURIED IN A MINIMUM OF 30" OF COVER IN THE STREET AND PARKWAY).
- 5. UNDERGROUND SIGNAL CONDUCTORS SHALL NOT BE SPLICED.
- 6. THE CONTRACTOR SHALL VERIFY WITH THE ENGINEER THE PRECISE FIELD LOCATIONS OF ALL TRAFFIC SIGNAL EQUIPMENT PRIOR TO THE INSTALLATION.
- 7. ALL LANDSCAPING WHICH IS DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE CITY AND THE PROPERTY OWNER.
- 8. SALVAGED TRAFFIC SIGNAL EQUIPMENT SHALL BE DELIVERED TO THE CITY OF RIVERSIDE TRAFFIC SIGNAL MAINTENANCE YARD.
- 9. DAMAGED SIDEWALK CONCRETE SHALL BE REPLACED PER CITY OF RIVERSIDE STANDARD.
- 10. THE CONTRACTOR SHALL REMOVE ALL UNUSED PULL BOXES AND RE-PAVE SURROUNDING AREA TO MATCH EXISTING OR PROPOSED GRADE. ALL UNUSED CONDUIT SHALL BE ABANDONED AND CAPPED ONCE UNUSED CONDUCTORS ARE REMOVED.
- 11. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FURNISH AND INSTALL ANY ADDITIONAL LOAD SWITCHES AND/OR DETECTOR CARDS, IF NECESSARY, FOR THE PROPOSED OPERATION.
- 12. ALL CONTRACTORS WORKING ON OR AROUND THE CITY OF RIVERSIDE'S UNDERGROUND ELECTRICAL FACILITIES MUST HAVE THE PROPERLY QUALIFIED PERSONNEL AND EQUIPMENT TO PERFORM THE SPECIFIED WORK. THE CONTRACTOR WILL BE SOLELY RESPONSIBLE TO ESTABLISH AND MAINTAIN A SAFE WORKING ENVIRONMENT INCLUDING, BUT NOT LIMITED TO WORK AROUND ENERGIZED HIGH VOLTAGE FACILITIES. GAS TESTING OF CONFINED SPACES, TRAFFIC AND PROTECTION.

EVERY ENTRY BY ANY PERSONNEL INTO A PUBLIC UTILITIES HIGH VOLTAGE STRUCTURE WILL REQUIRE THE PRESENCE OF A QUALIFIED ELECTRICAL WORKER IN ACCORDANCE WITH Cal/OSHA. ALL DEVELOPERS AND CONTRACTORS ARE REQUIRED TO SUBMIT REQUIRED DOCUMENTATION AND FOLLOW REQUIRED PROCEDURES. COPIES OF THE POLICY AND DOCUMENTS MAY BE OBTAINED AT 3900 MAIN ST. RIVERSIDE, CA OR AT WWW.RIVERSIDECA.GOV/UTILITIES/QEW.

CONSTRUCTION NOTES:

1 CONTRACTOR SHALL FURNISH AND INSTALL 1 NEW DLCs FOR CHANNEL 8J7U

CONTRACTOR SHALL FURNISH AND INSTALL 2—CHANNEL DETECTOR CARD (1 EA)

SC SPLICE TO EXISTING CONDUCTORS

I) INSTALL LOOP DETECTOR AS NOTED ON PLAN

S EXISTING SIGNALIZED INTERSECTION

STRIPING LEGEND

E EXISTING TO REMAIN.

INSTALL CONTINENTAL CROSSWALK PER DETAIL SHOWN ON THIS SHEET.

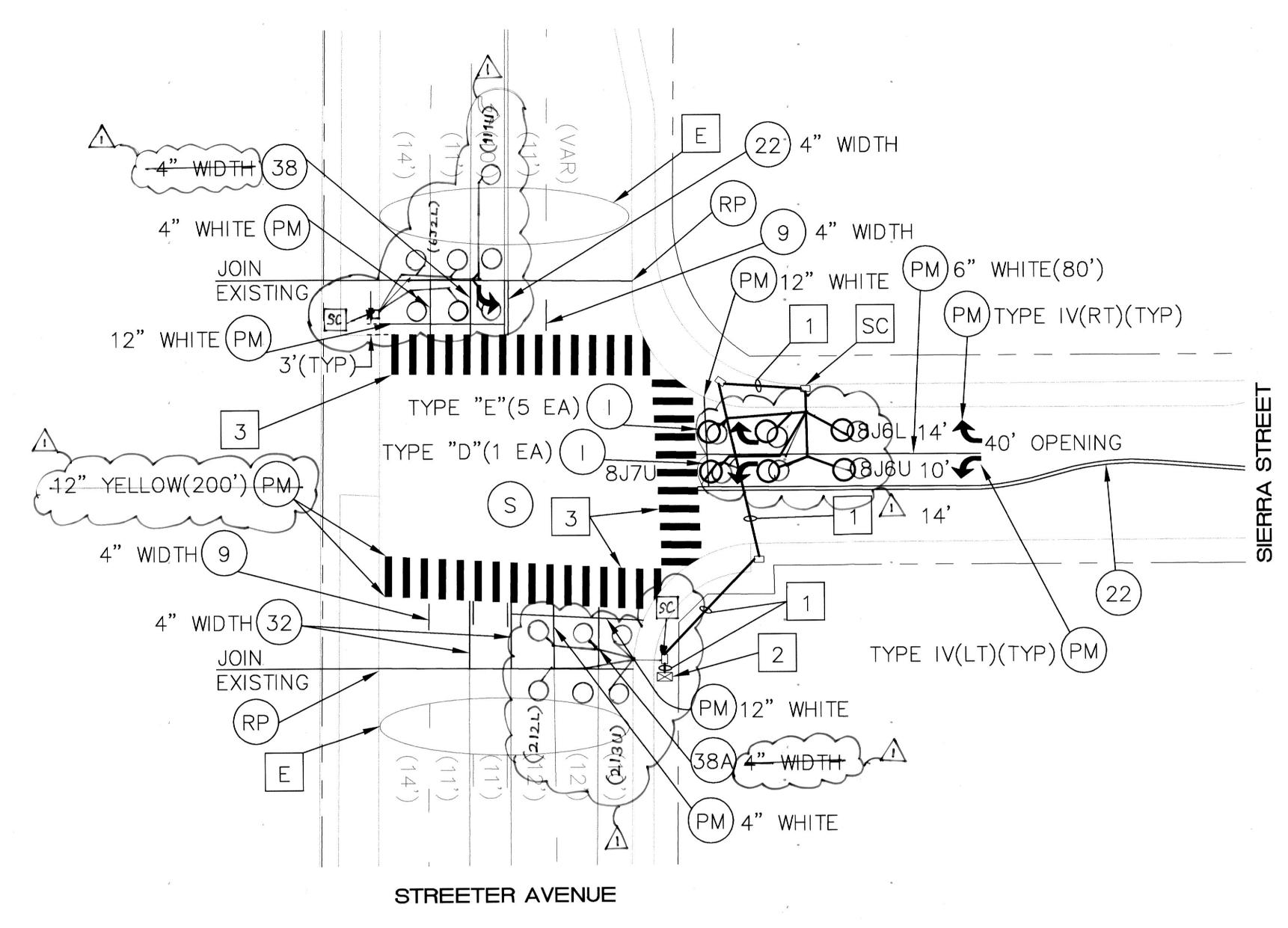
PM) INSTALL PAVEMENT MARKING OR ARROW AS NOTED.

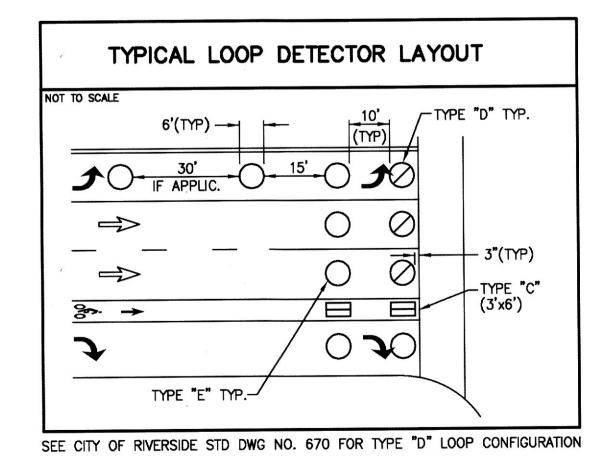
INSTALL CALTRANS STRIPING DETAIL PER NUMBER NOTED, INCLUDING INSTALLATION OF RAISED PAVEMENT MARKERS.

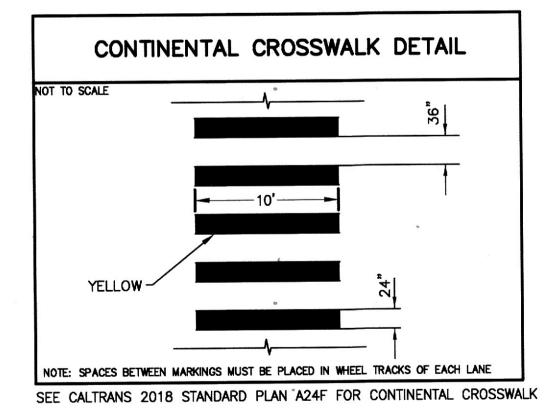
REMOVE ALL EXISTING CONFLICTING TRAFFIC STRIPING AND MARKINGS AS NOTED WITHIN THE SLURRY SEAL LIMITS SHOWN ON PLAN SHEET 2 (D-911), INCLUDING RAISED PAVEMENT MARKERS.

(12') EXISTING WIDTH

12' PROPOSED WIDTH

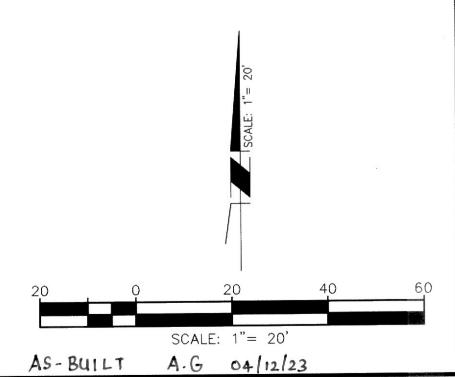




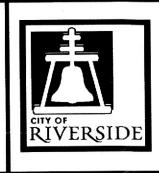


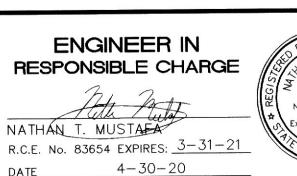
SIGNING AND STRIPING GENERAL NOTES:

- SIGNING AND STRIPING INSTALLATIONS SHALL CONFORM TO THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD), THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD PLANS AND SPECIFICATIONS DATED 2018, AND ALL ADDENDUMS THERETO, AND THE CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT STANDARD DRAWINGS, CURRENT EDITION.
- 2. ALL STRIPING, MARKINGS, AND LEGENDS SHALL BE REFLECTORIZED THERMOPLASTIC EXTRUDED METHOD UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL PROVIDE AND INSTALL RAISED PAVEMENT MARKERS FOR ALL STRIPING. STRIPING, MARKINGS AND LEGENDS SHALL CONFORM TO THE LATEST CALTRANS STANDARD PLANS A20A THRU A20D AND A24A
- 3. PRIOR TO FINAL ACCEPTANCE OF STREET IMPROVEMENTS, ALL PAVEMENT STRIPING AND STENCILING WITHIN THE PERIMETER OF THE CONSTRUCTION AREA SHALL BE RESTORED TO LIKE NEW CONDITION, IN A MANNER MEETING THE APPROVAL OF THE CITY OF RIVERSIDE.
- 4. THE CONTRACTOR SHALL RE-STRIPE EXISTING STRIPING AND CURB MARKINGS OBLITERATED BY NEW CONSTRUCTION, WHETHER OR NOT SHOWN ON THE PLANS FOR REPLACEMENT, AT NO COST TO THE CITY.
- 5. AT LOCATIONS WHERE EXISTING PAINTED CURB IS TO BE RECONSTRUCTED, THE CONTRACTOR SHALL PAINT THE NEW CURB AS SHOWN ON THE PLANS WITHIN 10 WORKING DAYS OF CURB CONSTRUCTION OR AS DIRECTED BY ENGINEER. THE PAINT SHALL BE WATER—BASED WITH 2—YEAR GUARANTEE AGAINST COLOR FADING. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE CITY WRITTEN PROOF OF THE MANUFACTURER'S 2—YEAR GUARANTEE.
- 6. ALL NEW STRIPING SHALL BE "CAT TRACKED" AND APPROVED BY THE ENGINEER PRIOR TO FINAL INSTALLATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AFTER COMPLETING LAYOUT AND AT LEAST 3 WORKING DAYS BEFORE COMMENCING INSTALLATION OF STRIPING, MARKINGS AND MARKERS.
- 7. TRAFFIC SIGN FACE SHALL BE 3M DIAMOND GRADE DG3 REFLECTIVE SHEETING (ASTM XI) OR APPROVED EQUAL WITH PROTECTIVE GRAFFITI OVERLAY FILM OR AS OTHERWISE NOTED. ALL WARNING SIGNS SHALL HAVE A FLUORESCENT YELLOW BACKGROUND AND SCHOOL SIGNS NOTED SHALL HAVE A FLUORESCENT YELLOW-GREEN BACKGROUND.
- 8. SIGNS SHALL BE STANDARD SIZE UNLESS NOTED OTHERWISE. PRIOR TO INSTALLATION, NEW SIGNS SHALL BE APPROVED BY THE CITY OF RIVERSIDE. EXACT LOCATIONS OF SIGNS SHALL BE DETERMINED BY THE CITY ENGINEER.
- SALVAGED SIGNS AND SIGN POSTS SHALL BE DELIVERED TO THE CITY OF RIVERSIDE SIGN DEPARTMENT.
- 10. WHEN PAINT IS SPECIFIED, TRAFFIC STRIPES AND MARKINGS SHALL BE APPLIED IN TWO COATS. A MINIMUM OF SEVEN DAYS SHALL BE PROVIDED BETWEEN FIRST AND SECOND COATS.
- 11. STRIPING SHALL BE APPLIED WITHIN 48 HOURS OF SURFACE COURSE REPLACEMENT ON STREETS OPEN TO THE PUBLIC. IN NO CASE SHALL A NEWLY PAVED STREET OPEN TO THE PUBLIC BE LEFT UNSTRIPED OVER A WEEKEND OR HOLIDAY.
- 12. CONTRACTOR SHALL INSTALL NEW SIGN(S) AND/OR POST(S) PER CITY OF RIVERSIDE STANDARD DRAWING No. 664, SEE SPECIFICATIONS.
- 13. CONTRACTOR SHALL INSTALL NEW STREET NAME SIGNS AND POST PER CITY OF RIVERSIDE STANDARD DRAWING No. 662, SEE SPECIFICATIONS.
- 14. ALL CONFLICTING STRIPING, PAVEMENT MARKINGS, LEGENDS, AND RAISED PAVEMENT MARKERS SHALL BE REMOVED EVEN IF NOT SHOWN ON PLANS. REMOVALS OF PAINTED STRIPING, PAVEMENT MARKINGS AND LEGENDS SHALL BE DONE BY WET SANDBLASTING. REMOVALS OF THERMOPLASTIC STRIPING, PAVEMENT MARKINGS AND LEGENDS SHALL BE REMOVED BY WET SANDBLASTING, GRINDING OR OTHER APPROVED METHOD AND SHALL NOT DAMAGE THE PAVEMENT. "BLACK OUT" OF EXISTING DELINEATION IS NOT PERMITTED. ALL DAMAGED PAVEMENT DUE TO REMOVALS SHALL BE REPAIRED AS NECESSARY TO MAINTAIN A SMOOTH AND UNIFORM SURFACE OR AS DIRECTED BY THE ENGINEER. ALL STRIPING REMOVALS AND LEGENDS SHALL BE "FOG SEALED".
- 15. WHERE APPLICABLE, OUTBOUND LANE LINE DETAILS SHALL COMMENCE AT THE CROSSWALK, MEANING THE PAINTED PORTION OF THE DETAIL SHALL JOIN THE CROSSWALK.











				No.					
	ELIMINATIONS						NS		
Λ	CHAN	GES	IN	LOOP	DETEC	TOR	AND	A.G	04/11/13
MARK				REVISION				APPR.	DATE
DESIGNED BY FD				DRAWN BYFDMCHECKED BY			NTM		

SIGNING AND STRIPING
STREETER AVENUE
AND
SIERRA STREET

SCALE: 1" = 20'

WORK ORDER: 2024196

D-911

SHEET 3 OF 3

FILE NAME: D-911-03.DW