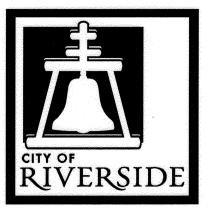
RIVERSIDE



CALIFORNIA

GENERAL CONSTRUCTION NOTES:

- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TRAFFIC AS INDICATED IN THE ASSOCIATED PROJECT SPECIAL
- CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE STANDARD DRAWINGS AND STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2012 EDITION.
- EXISTING UTILITIES SHOWN ON THIS PLAN AND LISTED IN THE SPECIAL PROVISIONS 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 PLAN OR NOT LISTED IN THE SPECIAL
- PRIME CONTRACTOR BIDDING THIS WORK SHALL HAVE A CLASS "A" OR "C-8".
- THE SEAM BETWEEN PASSES OF THE AC OVERLAY SHALL COINCIDE, AS CLOSE AS POSSIBLE, TO THE LANE
- COLD MILLING SHALL BE AS DESCRIBED IN THE SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.
- ALL EXISTING IMPROVEMENTS SHOWN HEREON SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.
- ADEQUATE FLOW LINES SHALL BE MAINTAINED AT ALL LOCATIONS.
- CONTRACTOR NEEDS TO TAKE EXTRA PRECAUTIONARY MEASURES WHILE COLD MILLING FOR UTILITY CONDUITS AND FIBER LINES, TYPICALLY LOCATED ABOUT 18" TO 36" DEEP WITH SPECIAL CONCRETE BACKFILL MATERIALS AS DESCRIBED AS PER SPECIAL PROVISIONS AND DETAILS PER PART 10.
- 10. ALL EXISTING UTILITIES AND LANDSCAPE BEHIND THE CURB SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.
- 11. CONTRACTOR SHALL REPLACE ALL MISSING SEGMENTS OF EXISTING STRIPING, MARKINGS, LEGENDS, AND LOOPS AFTER CONSTRUCTION OF PROPOSED BUS PADS. ALL STRIPING AND MARKINGS SHALL BE IN-KIND. LOOPS SHALL BE REPLACED AS INDICATED IN THE SPECIAL PROVISIONS AND SHALL INCLUDE REPLACEMENT OF LOOPS OUTSIDE THE DISTURBANCE LIMITS AS DIRECTED BY THE ENGINEER.

CONSTRUCTION NOTES:

- S ABOVE 100 IN A HEXAGON ON THE PLAN REFER TO THE RESPECTIVE STANDARD DRAWING ABE CONSTRUCTED ACCORDINGLY. ANY NOTE SHOWN BELOW THE STANDARD DRAWING NUMBER IS THE SPECIFIC TYPE, ACTION, OR MODIFICATION TO BE CONSTRUCTED. DIMENSIONS OF NEW SHALL BE MODIFIED AS NECESSARY, EXCLUDING ADA REQUIREMENTS, TO MATCH EXISTING FAC
- ADJ ADJUST TO GRADE, DESCRIPTION PER PLAN (--):
 (MH) MANHOLE. (GV) GATE VALVE. (WMH) WATER MANHOLE
- PROTECT IN PLACE, DESCRIPTION PER PLAN (--):

 (MH) MANHOLE. (GV) GATE VALVE. (CB) CATCH BASIN. (PAD) EXISTING BUS PAD. (VLT) VAULT. (DWY)
 DRIVEWAY. (SGN) EXISTING BUS STOP SIGN. (PBM) PACIFIC BELL MANHOLE. (PBV) PACIFIC BELL VAULT.

 (CD) CURBSIDE DRAIN (CB) CATCH BASIN AND ANY CONNECTING STORM DRAIN PIPES.
- CONSTRUCT CONCRETE BUS PAD AS PER THE DIMENSIONS SHOWN ON THE PLANS AND THE DETAILS SHOWN AS PER PART 10 OF THE SPECIFICATIONS WITH 12' WIDTH MEASURED FROM THE MONOLITHIC CURB FACE. REPLACE ALL MISSING SEGMENTS OF IN-KIND STRIPING, MARKINGS, LEGENDS, AND LOOPS. CONTRIACTOR SHALL ADJUST TO GRADE AND/OR RELOCATE ALL EXISTING FACILITIES WITHIN THE DISTURBANCE LIMITS WHETHER SHOWN OR NOT SHOWN ON THE PLANS.
- REMOVE & REPLACE, DESCRIPTION PER PLAN (--):

 (STP) REPLACE MISSING SEGMENTS OF EXISTING IN-KIND STRIPING, MARKINGS AND LEGENDS AS INDICATED PER PLAN INCLUDING GREEN CONFLICT ZONE DETAIL SHOWN HEREON. 325) REMOVE & REPLACE EXISTING SIDEWALK PER CITY STANDARD 325 AS PER THE DIMENSIONS SHOWN ON THE PLAN. (200) REMOVE AND REPLACE EXISTING C&G PER CITY STD 200.
 (LPS) REPLACE EXISTING LOOP DETECTORS AND SPICE THE NEW DETECTORS AS PER DETAILS SHOWN ON SHEET 5 FOR LOCATIONS 4,11,24&27.
- CONSTRUCT CURB & GUTTER PER CITY STANDARD 200 WITH THE FOLLOWING MODIFICATION (XX):

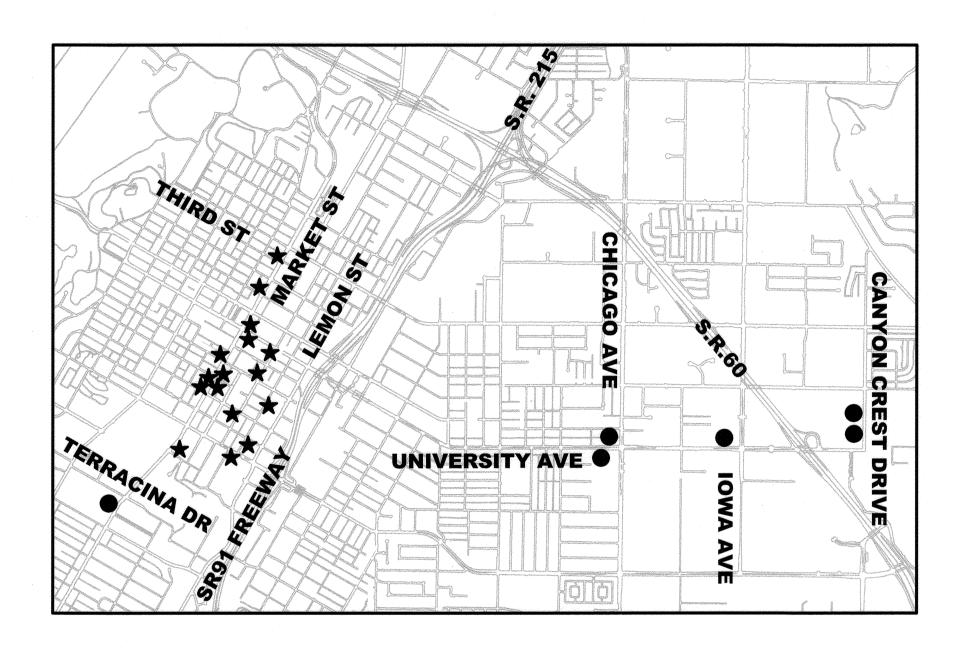
 (M1) = SHALL BE MONOLITHIC WITH BUS PAD WITH DEPRESSION BY EXISTING DRIVEWAY OPENING AND/OR RAMP.
- REPAINT YELLOW LOADING ZONE AND RELOCATE 6' NORTHERLY TO ACCOMMODATE NEW BUS PAD (LOCATION 23).
- DWL CONTRACTOR SHALL JOIN EXISTING BUS PAD BY PROVIDING A 36" LONG NO.4 REBAR DOWELED TO A DEPTH OF 12" INTO THE EXISTING BUS PAD AT 24"O.C.

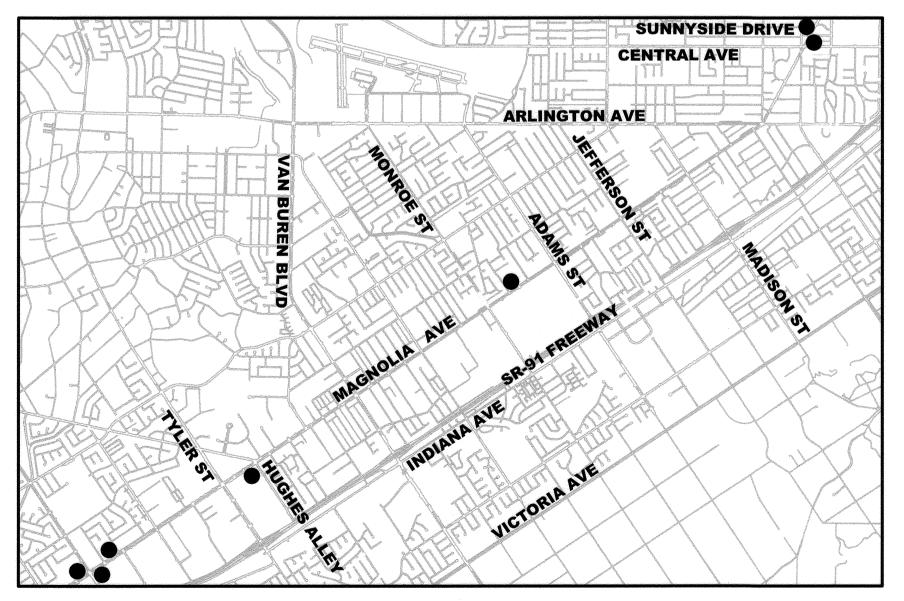
GREEN CONFLICT ZONE DETAIL - DETAIL "X" DETAIL 39A-OF TRAVEL GREEN THERMOPLASTIC-PER SPECIFICATIONS NOT TO SCALE

GREEN ZONE STRIPING DETAIL FOR LOCATIONS 19&24.

NOT TO SCALE

PUBLIC WORKS DEPARTMENT 2017/2018 RTA BUS PAD IMPROVEMENTS PROJECT





LOCATION MAPS

NOT TO SCALE

- **DOWNTOWN BUS PAD LOCATIONS**
- RAPIDLINK BUS PAD LOCATIONS

SIGNING/STRIPING GENERAL NOTES:

- SIGNING AND STRIPING INSTALLATIONS SHALL CONFORM TO THE 2014 CALIFORNIA MANUA ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD), THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD PLANS AND SPECIFICATIONS DATED 2015, AND ALL ADDENDUMS THERETO, AND THE CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT STANDARD DRAWINGS, CURRENT EDITION.
- ALL STRIPING, MARKINGS, AND LEGENDS SHALL BE REFLECTORIZED THERMOPLASTIC 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 THRU A24E.
- 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.
- THE CONTRACTOR SHALL RE-STRIPE EXISTING STRIPING AND CURB MARKINGS OBLITERATED BY NEW CONSTRUCTION, WHETHER OR NOT SHOWN ON THE PLANS FOR REPLACEMENT, AT
- 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.
- 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

SHEET INDEX: BUS PAD IMPROVEMENTS

DESCRIPTION

TITLE SHEET AND NOTES

BUS PAD IMPROVEMENTS LOCATIONS 1,2,3,4,5,6,7,8,9

BUS PAD IMPROVEMENTS LOCATIONS 10,11,12,13,14,15,16,17,18

BUS PAD IMPROVEMENTS LOCATIONS 19,20,21,22,23,24,25,26,27

LOOP DETECTION PLAN FOR LOCATIONS 4,11,24,27

_EGEND:



PROPOSED PCC

EXISTING PCC

EXISTING TOPOGRAPHY:

SANITARY SEWER M.H.

S GATE VALVE

STORM DRAIN M.H

♥ FIRE HYDRANT

© ELECTRIC M.H.

B BELL SYSTEM M.H. BELL SYSTEM VAULT

ELECTRIC VAULT

AS BUILT 1-15-19

CITY OF RIVERSIDE, CALIFORNIA STREET MAINTENANCE DEPARTMENT OF PUBLIC WORKS

2017-2018 RTA BUS PAD IMPROVEMENTS

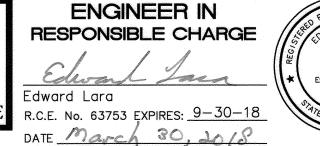
TITLE SHEET AND NOTES HORIZ. SCALE: N/A VERT. SCALE: N/A

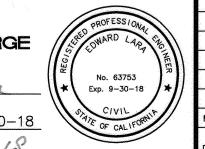
Edward Lara 227-2600 TWO WORKING DAYS BEFORE YOU DIG

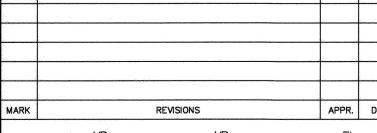
Ground Service Alert

Call: TOLL FREE







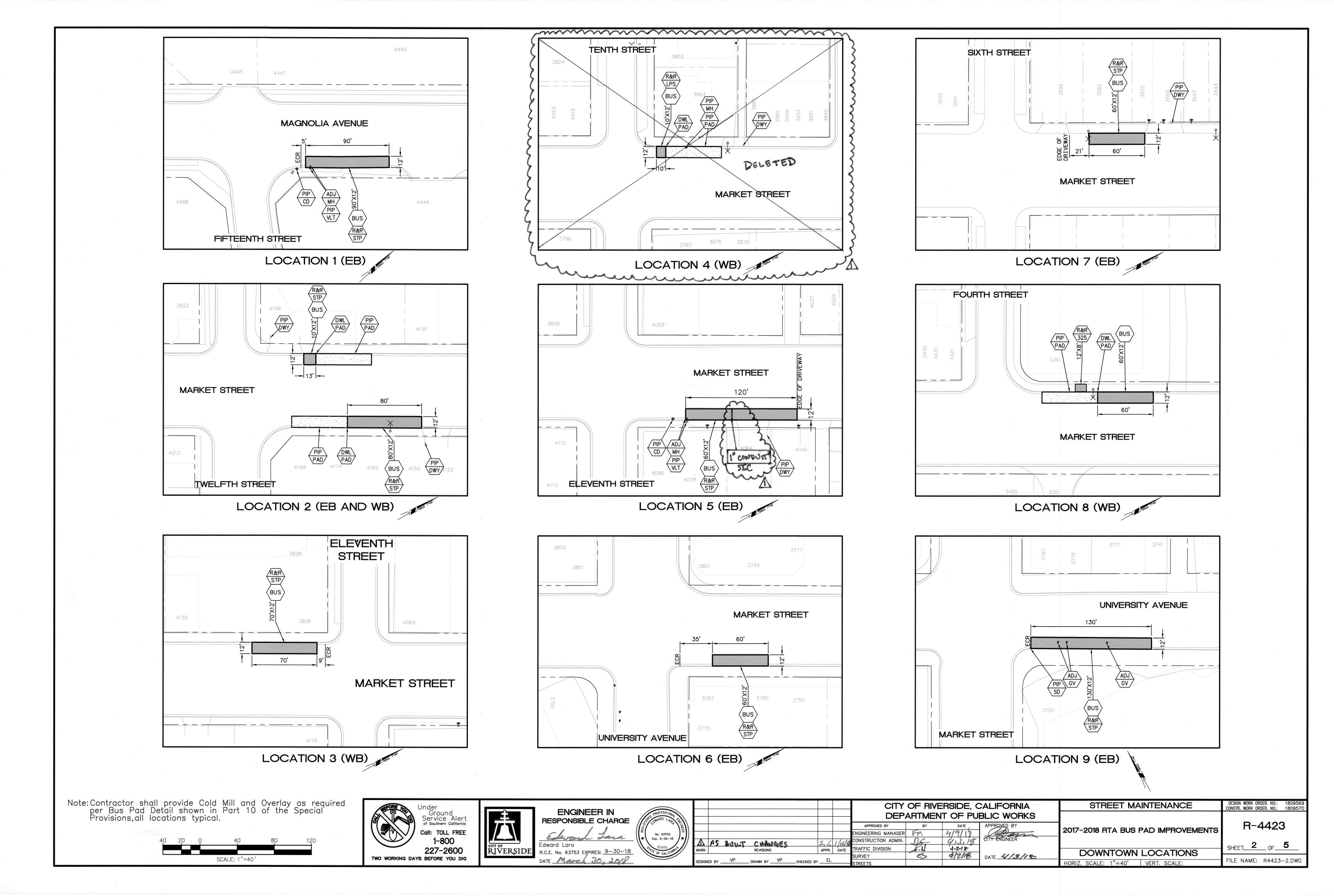


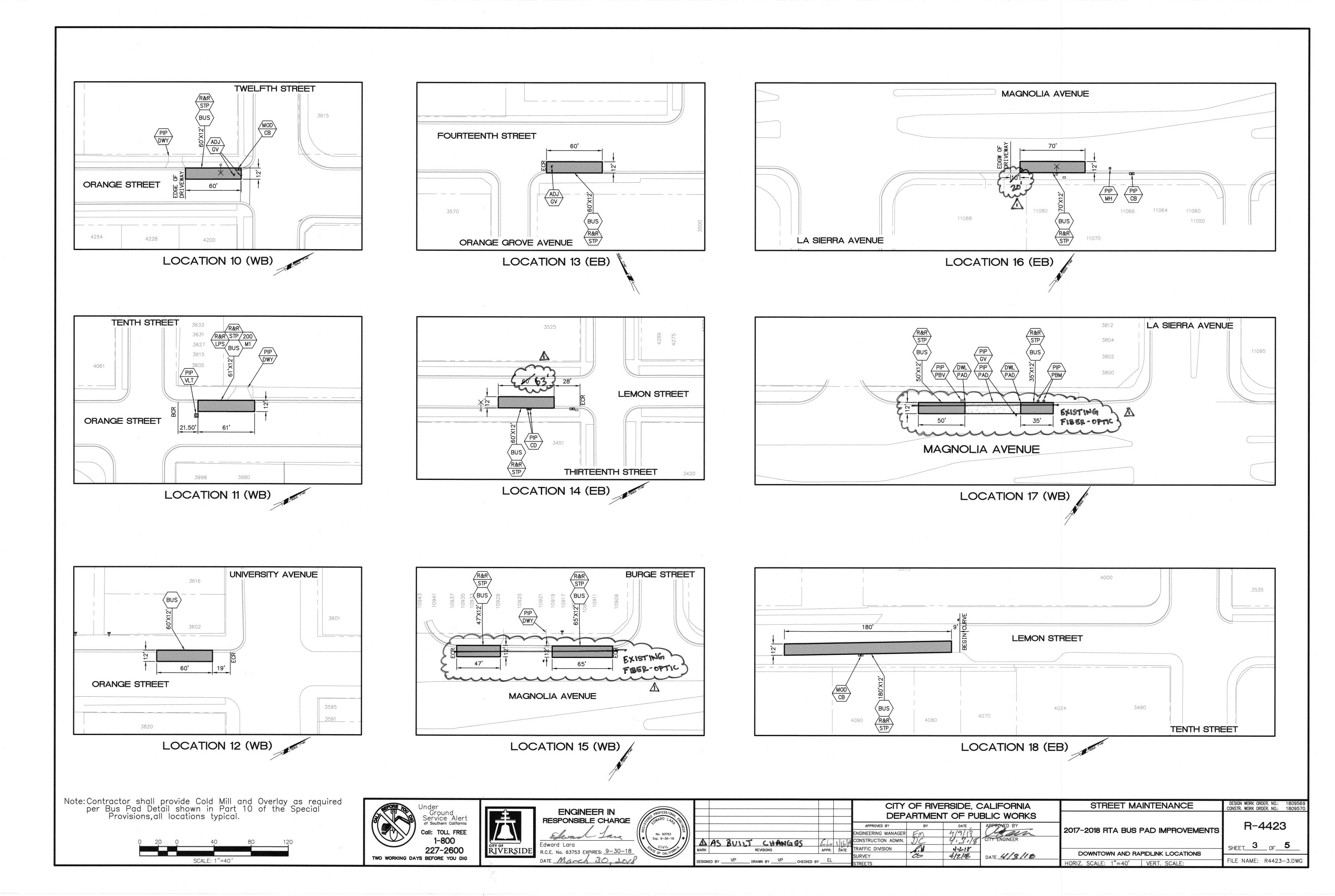
CITY ENGINEER 4-2-18 4/21/8 DATE 4/3/18

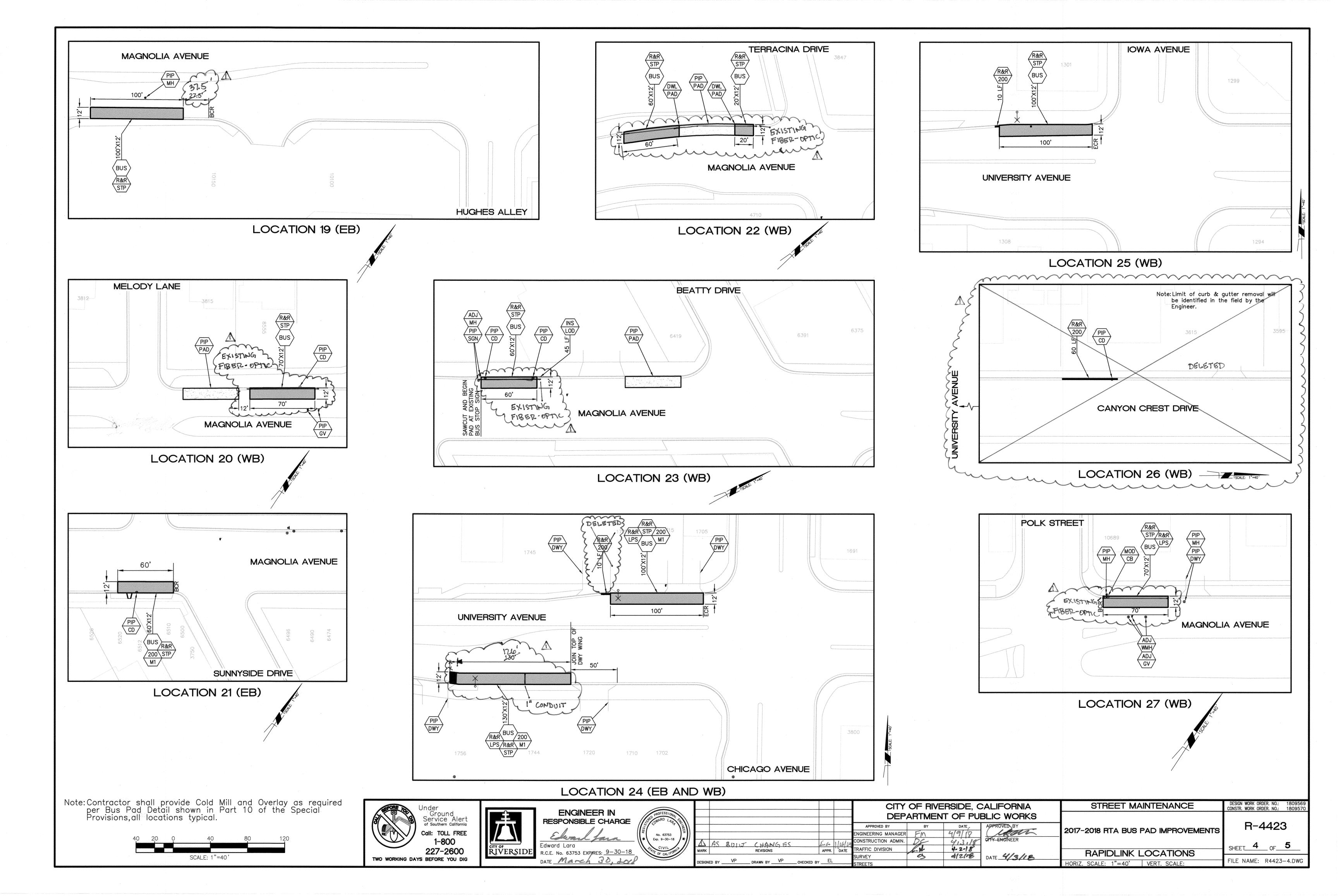
FILE NAME: R4423-1.DWG

DESIGN WORK ORDER. NO.: 180956 CONSTR. WORK ORDER. NO.: 180957

R-4423

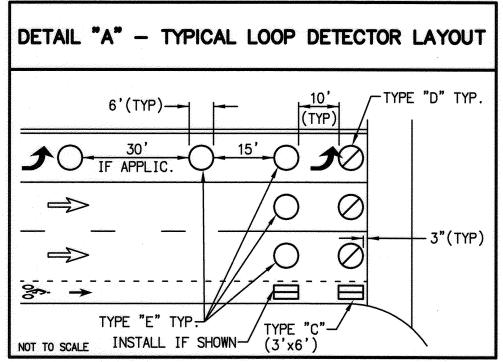




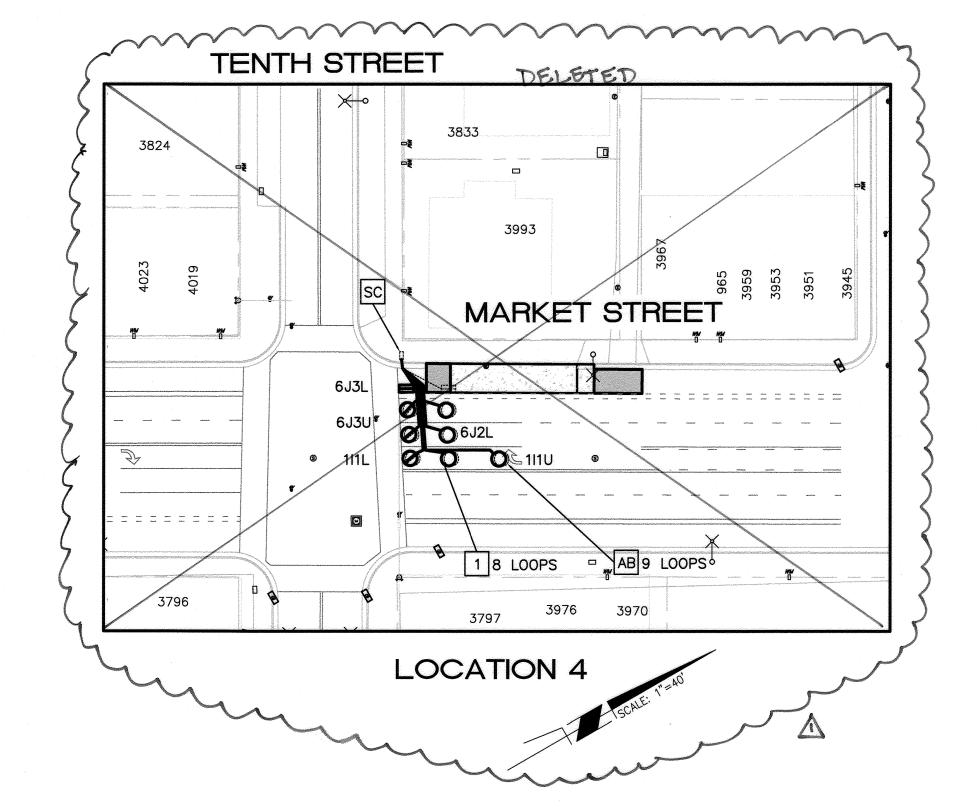


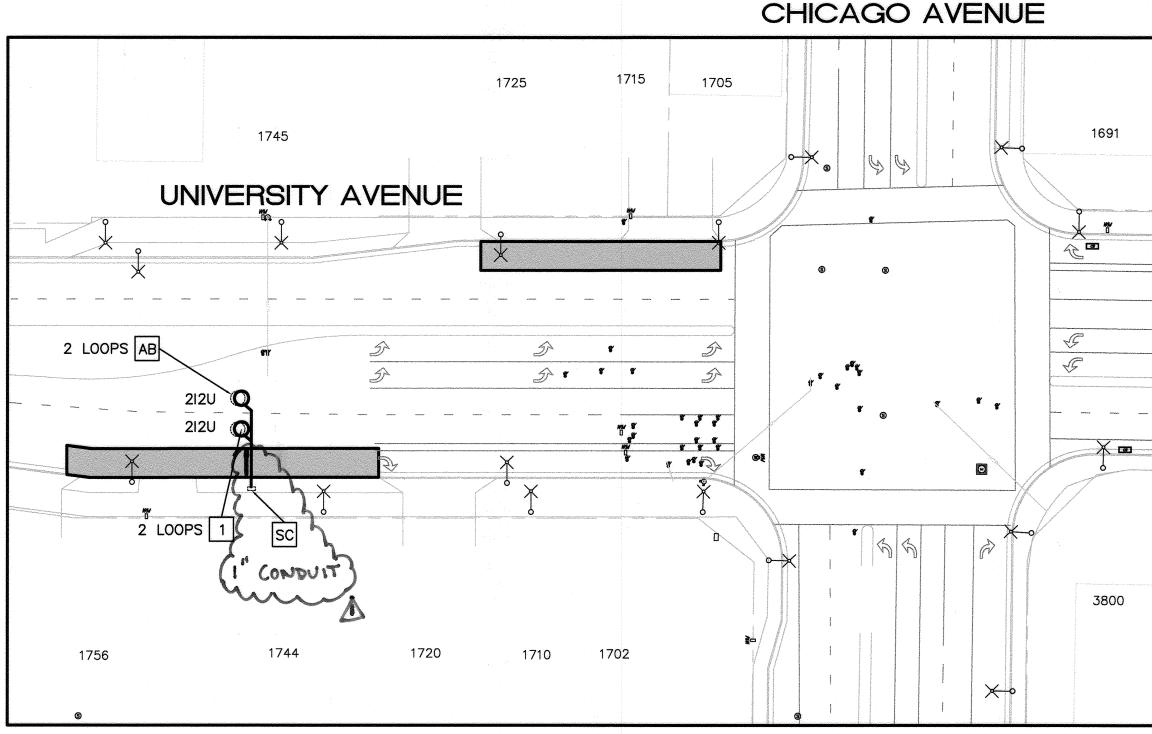
TRAFFIC SIGNAL GENERAL NOTES:

- 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 2015; THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES ADOPTED 2014; AND THE SPECIAL PROVISIONS.
- 2. UTILITIES SHOWN ON THE PLAN ARE CORRECT AND ACCURATE TO THE EXTENT OF AVAILABLE RECORDS. THE CONTRACTOR IS REQUIRED TO TAKE STEPS TO ASCERTAIN THE EXACT LOCATION OF ALL KNOWN SUBSTRUCTURES PRIOR TO DOING WORK THAT MAY DAMAGE OR INTERFERE WITH SUCH FACILITIES ("UNDERGROUND SERVICE ALERT" (800) 227–2600).
- 3. 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.
- 4. 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.
- 5. CONDUCTOR SCHEDULE IS FURNISHED AS AN INSTALLATION GUIDELINE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CORRECT CONDUCTORS REQUIRED FOR THE INTENDED OPERATION.
- 6. 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).
- 7. TRAFFIC SIGNAL INTERCONNECT (SIC) SHALL BE 2" UNLESS SHOWN OTHERWISE, BURIED IN A MINIMUM OF 30" OF COVER IN THE STREET AND PARKWAY. No. 6 PULL BOXES WITH LIDS LABELED "COMMUNICATINS", SHALL BE SPACED AT 400' AND THE MAXIMUM SIC BENDING RADIUS SHALL NOT EXCEED 45". SIC CONDUIT SHALL ONLY INCLUDE SIGNAL INTERCONNECT CONDUCTORS.
- 8. UNDERGROUND SIGNAL CONDUCTORS SHALL NOT BE SPLICED.
- 9. PULL BOXES SHALL BE No. 6 WITH FIBERLITE LIDS LABELED "TRAFFIC SIGNAL" UNLESS OTHERWISE NOTED ON THE PLAN.
- 10. PULL BOXES SHALL NOT BE LOCATED IN OR WITHIN 1' OF ANY CURB ACCESS RAMP OR DRIVEWAY.
- 11. THE CONTRACTOR SHALL VERIFY WITH THE ENGINEER THE PRECISE FIELD LOCATIONS OF ALL TRAFFIC SIGNAL EQUIPMENT PRIOR TO THE INSTALLATION.
- 12. ALL LANDSCAPING WHICH IS DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE CITY AND THE PROPERTY OWNER.
- 13. SALVAGED TRAFFIC SIGNAL EQUIPMENT SHALL BE DELIVERED TO THE CITY OF RIVERSIDE TRAFFIC SIGNAL MAINTENANCE YARD.
- 14. DAMAGED SIDEWALK CONCRETE SHALL BE REPLACED PER CITY OF RIVERSIDE STANDARD.
- 15. 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.
- 16. 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.
- 17. 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.
- 18. 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 3901

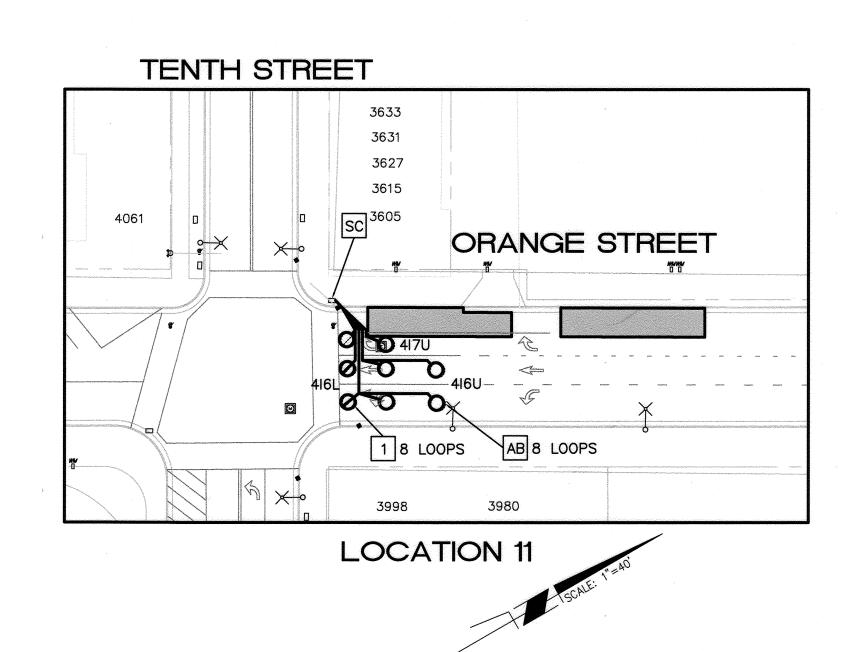


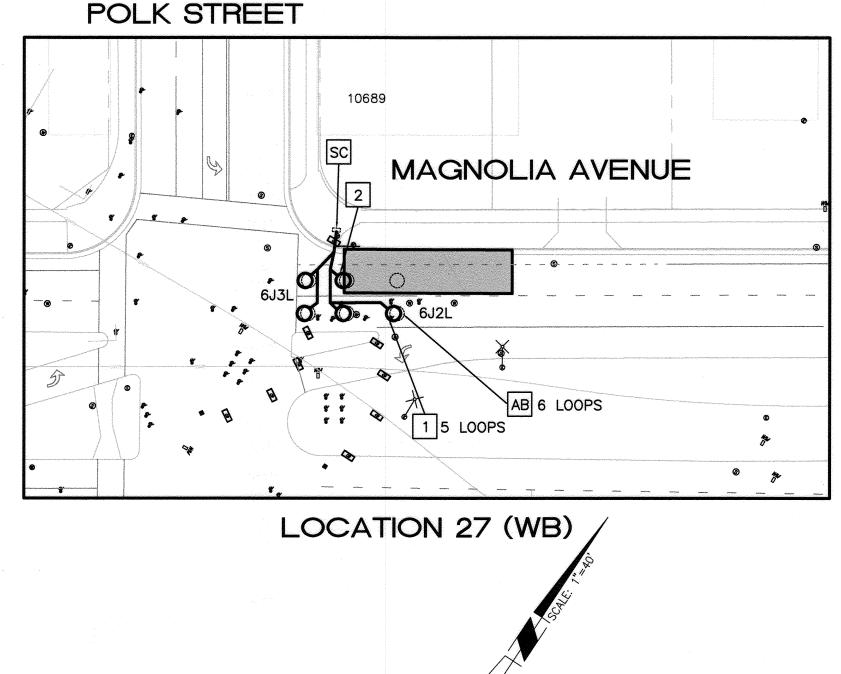
SEE STANDARD DWG NO. 670 FOR TYPE "D" LOOP CONFIGURATION





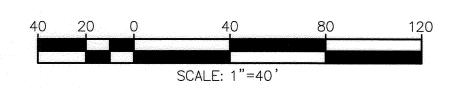
LOCATION 24



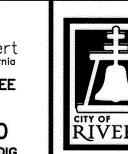


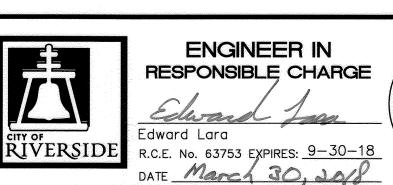
CONSTRUCTION NOTES

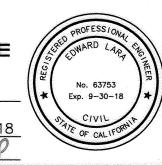
- 1 CONTRACTOR SHALL INSTALL LOOPS DETECTORS PER DETAIL "A"
- 2 CONTRACTOR SHALL INSTALL LOOPS DETECTORS PRIOR TO THE INSTALLATION OF THE BUS PAD
- SC SPLICE NEW TO EXISTING CONDUCTORS
- B ABANDON EXISTING EQUIPMENT











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/	MARK			REVISIONS			APPR.	DATE	TRAFFIC DIVISION
ľ	DESIGNED BY VP DRAWN BY VP CHECKED BY EL						SURVEY		
							STREETS		

CITY OF RIVERSIDE, CALIFORNIA	STREET MAINTENANCE	DESIGN WORK ORDER. NO.: 1809569 CONSTR. WORK ORDER. NO.: 1809570
DEPARTMENT OF PUBLIC WORKS Y BY DATE APPROVED BY ANAGER FM 4/2/19	2017-2018 RTA BUS PAD IMPROVEMENTS	R-4423
ADMIN. 4,3,19 CITY ENGINEER DN 4-2-18 CS 412118 DATE 4/3/18	LOOP DETECTION	SHEET 5 OF 5
916118 DATE 7/3/18	HORIZ SCALE: 1"-40" VERT SCALE:	FILE NAME: R4423-5.DWG