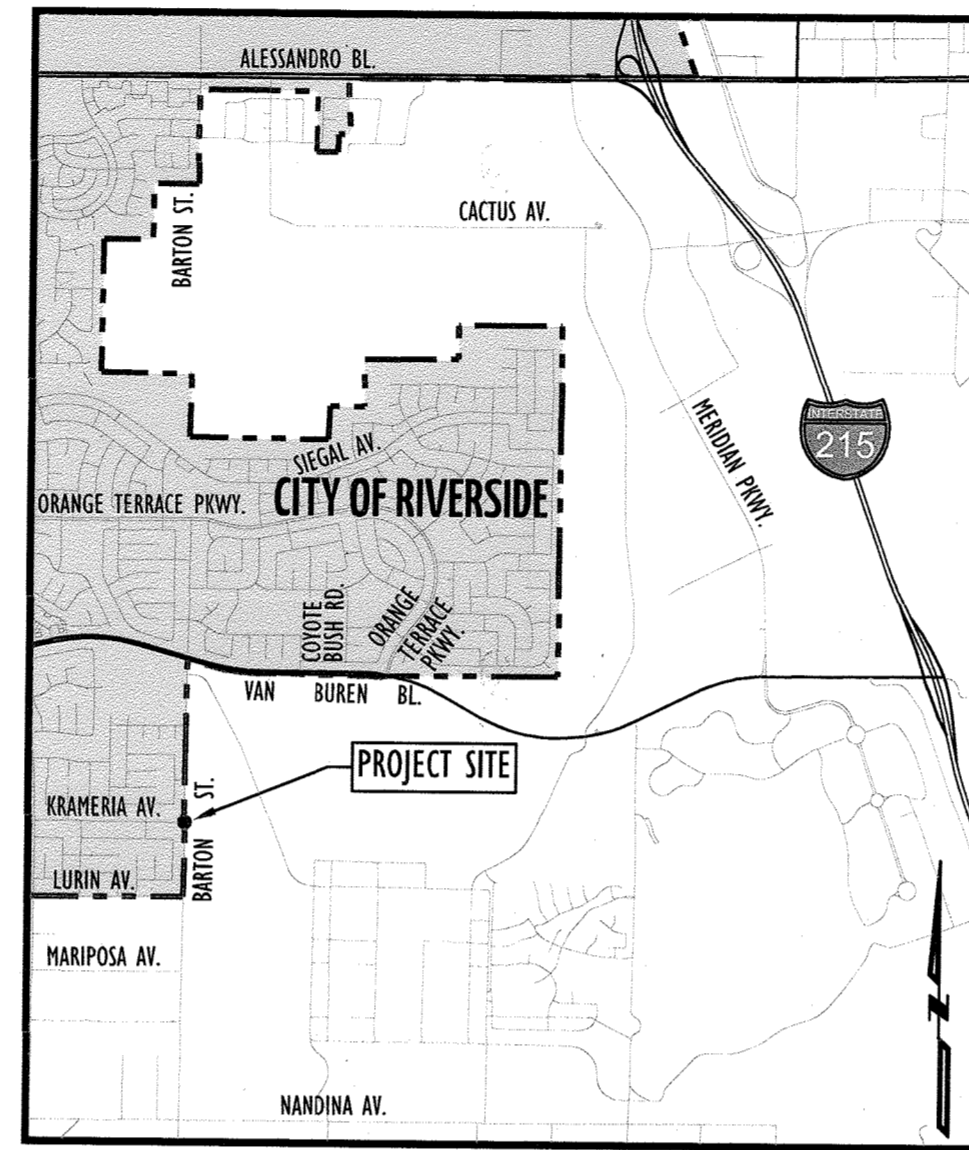


CITY OF RIVERSIDE

SIGNAL INSTALLATION & SIGNING AND STRIPING PLANS

BARTON STREET & KRAMERIA AVENUE

SHEET INDEX		SHEET NO.	
1	TITLE SHEET	1	OF 4
2	TRAFFIC SIGNAL PLAN - BARTON ST. & KRAMERIA AV.	2	OF 4
3	SIGNING & STRIPING PLAN - BARTON ST. @ KRAMERIA AV.	3	OF 4
4	SIGNING & STRIPING PLAN - BARTON ST. @ VAN BUREN BL.	4	OF 4



VICINITY MAP

CITY OF RIVERSIDE SIGNAL GENERAL NOTES:

- ALL MATERIAL AND WORK SHALL CONFORM TO THE LATEST EDITION OF THE CITY OF RIVERSIDE STANDARD PLANS, CALTRANS 2015 STANDARD PLANS AND STANDARD SPECIFICATIONS, AND CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD).
- 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).
- 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.
- 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.
- 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.
- 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).
- 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 "COMMUNICATIONS" SHALL BE SPACED AT 400' AND THE MAXIMUM SIC BENDING RADIUS SHALL NOT EXCEED 45'. SIC CONDUIT SHALL ONLY INCLUDE SIGNAL INTERCONNECT CONDUCTORS.
- UNDERGROUND SIGNAL CONDUCTORS SHALL NOT BE SPLICED.
- PULL BOXES SHALL BE No. 6 WITH FIBERLITE LIDS LABELED "TRAFFIC SIGNAL" UNLESS OTHERWISE NOTED ON THE PLAN.
- PULL BOXES SHALL NOT BE LOCATED IN OR WITHIN 1' OF ANY CURB ACCESS RAMP OR DRIVEWAY.
- THE CONTRACTOR SHALL VERIFY WITH THE ENGINEER THE PRECISE FIELD LOCATIONS OF ALL TRAFFIC SIGNAL EQUIPMENT PRIOR TO THE INSTALLATION.
- ALL LANDSCAPING WHICH IS DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE CITY, THE COUNTY AND THE PROPERTY OWNER.
- NEW MAST ARM MOUNTED SIGN SHALL BE FABRICATED WITH 3M DIAMOND GRADE DG3 REFLECTIVE SHEETING (ASTM TYPE XI) OR APPROVED EQUAL. MINIMUM SIGN SIZE SHALL BE 30" x 30".
- VEHICLE HEADS SHALL BE 12" LED TYPE. THE HOUSING, BACKPLATES AND VISORS SHALL BE METAL.
- INTERNALLY ILLUMINATED STREET NAME SIGNS (ISNS) SHALL BE TYPE A. STREET NAME LEGENDS SHALL BE UPPER/LOWER CASE AND SHALL INCLUDE BLOCK NUMBERS AND ROAD NAME SUFFIXES.
- SALVAGED TRAFFIC SIGNAL EQUIPMENT SHALL BE DELIVERED TO THE CITY OF RIVERSIDE TRAFFIC SIGNAL MAINTENANCE YARD.
- DAMAGED SIDEWALK CONCRETE SHALL BE REPLACED PER CITY OF RIVERSIDE STANDARD.
- 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.
- 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.
- 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 3901 ORANGE ST. RIVERSIDE, CA OR AT WWW.RIVERSIDEPUBLICUTILITIES.COM

CITY OF RIVERSIDE SIGNING AND STRIPING NOTES:

- SIGNING AND STRIPING INSTALLATIONS SHALL CONFORM TO THE 2014 CALIFORNIA MANUAL 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 CAL TRANS STANDARD PLANS A20A THRU A20D AND A24A THRU A24E.
- PRIOR TO THE FINAL ACCEPTANCE OF STREET IMPROVEMENTS, ALL PAVEMENT STRIPING AND STENCILING WITHIN THE PERIMETER OF THE CONSTRUCTION AREA SHALL BE RESTORED TO NEW LIKE CONDITION, IN A MANNER MEETING THE APPROVAL OF THE CITY OF RIVERSIDE.
- THE CONTRACTOR SHALL RE-STRIP EXISTING STRIPING AND CURB MARKINGS OBLITERATED BY NEW CONSTRUCTION, WHETHER OR NOT SHOWN ON THE PLANS FOR REPLACEMENT, AT NO COST TO THE CITY.
- 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.
- 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.
- 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.
- 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.
- ALL EXISTING SIGNS AND POSTS TO BE REMOVED SHALL BE DELIVERED TO THE CITY OF RIVERSIDE SIGN DEPARTMENT.
- 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.
- CONTRACTOR SHALL INSTALL NEW SIGN(S) AND/OR POST(S) PER CITY OF RIVERSIDE STANDARD DRAWING No. 664, SEE SPECIFICATIONS.
- 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 DONE 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 AN ENGINEER. ALL STRIPING REMOVALS AND LEGENDS SHALL BE "FOG SEALED".
- WHERE APPLICABLE, OUTBOUND LANE LINE DETAILS SHALL COMMENCE AT THE CROSSWALK, MEANING THE PAINTED PORTION OF THE DETAIL SHALL JOIN THE CROSSWALK.

Underground Service Alert

 Call: TOLL FREE
811
www.call811.com
 TWO WORKING DAYS BEFORE YOU DIG



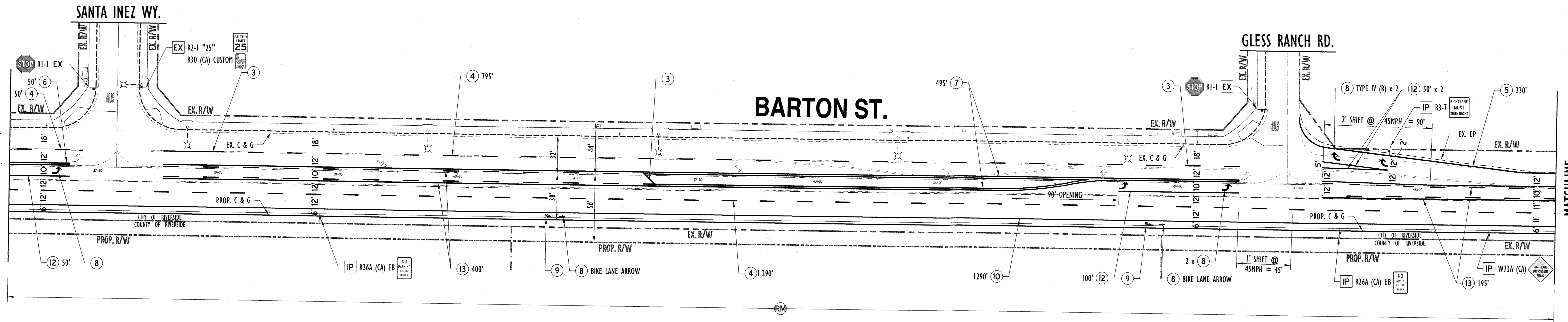
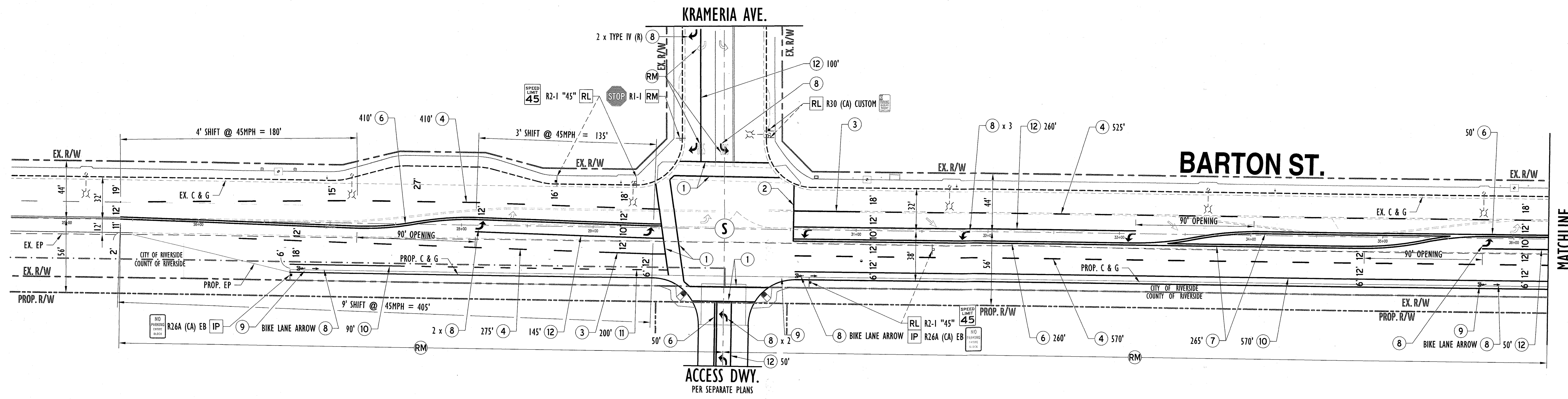
URBAN CROSSROADS
 206 E. BAKER STREET, SUITE 200
 COSTA MESA, CA 92626
 TELEPHONE # 949-660-1994
Carleton Waters 3/1/2018
CARLETON WATERS R.C.E. 52916

DESIGNED BY EL DRAWN BY EL CHECKED BY CDW

CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT			
APPROVED BY	BY	DATE	APPROVED BY
ENGINEERING MANAGER	<i>EL</i>	3/1/18	<i>Mark Stever</i>
CONST. CONTRACT ADMIN.	<i>EL</i>	3/1/18	
STREET SERVICES			
PUBLIC UTILITIES (ELECTRICAL)			
TRAFFIC DIVISION	<i>EL</i>	3/1/18	
			DATE <u>3/1/18</u>

**TRAFFIC SIGNAL,
SIGNING & STRIPING PLANS**
TITLE SHEET
Krameria Av. at Barton St.
 HORIZONTAL SCALE: NONE VERTICAL SCALE: NONE

ACCT. NO.
X - 557
 &
XL-768
 SHEET **1** OF **4**
MJ-085



STRIPING CONSTRUCTION NOTES

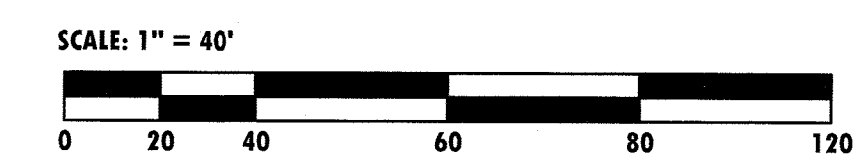
- 1 INSTALL 12" WHITE REFLECTIVE THERMOPLASTIC CROSSWALK PER CALTRANS STANDARD PLAN A24F (BASIC).
- 2 INSTALL 12" WHITE REFLECTIVE THERMOPLASTIC LIMIT LINE PER CALTRANS STANDARD PLAN A24E.
- 3 INSTALL 4" SOLID WHITE THERMOPLASTIC LINE PER CALTRANS STANDARD PLAN A20B. 50' TYPICAL.
- 4 INSTALL 4" WHITE THERMOPLASTIC LANE LINE PER CALTRANS STANDARD PLAN A20A DETAIL 12.
- 5 INSTALL 4" WHITE THERMOPLASTIC RIGHT EDGE LINE PER CALTRANS STANDARD PLAN A20B DETAIL 27B.
- 6 INSTALL 4"/4" DOUBLE YELLOW THERMOPLASTIC LINES PER CALTRANS STANDARD PLAN A20A DETAIL 22.
- 7 INSTALL 4"/4" DOUBLE YELLOW THERMOPLASTIC MEDIAN PER CALTRANS STANDARD PLAN A20B DETAIL 29.
- 8 INSTALL REFLECTIVE THERMOPLASTIC PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24A. TYPE IV LT UNLESS OTHERWISE NOTED.
- 9 INSTALL REFLECTIVE THERMOPLASTIC BIKE LANE SYMBOL WITH PERSON MARKING PER CALTRANS STANDARD PLAN A24C.
- 10 PAINT 6" WHITE BIKE LANE LINE PER CALTRANS STANDARD PLAN A20D DETAIL 39.
- 11 PAINT 6" WHITE BIKE LANE AT INTERSECTION LINE PER CALTRANS STANDARD PLAN A20D DETAIL 39A.
- 12 INSTALL 8" WHITE THERMOPLASTIC CHANNELIZING LINE PER CALTRANS STANDARD PLAN A20D DETAIL 38.
- 13 INSTALL 4"/4" DOUBLE YELLOW THERMOPLASTIC TWO-WAY LEFT TURN LANE PER CALTRANS STANDARD PLAN A20B DETAIL 32.
- RM REMOVE ALL EXISTING/CONFLICTING STRIPING, LEGENDS, AND PAVEMENT MARKERS.

SIGNING CONSTRUCTION NOTES

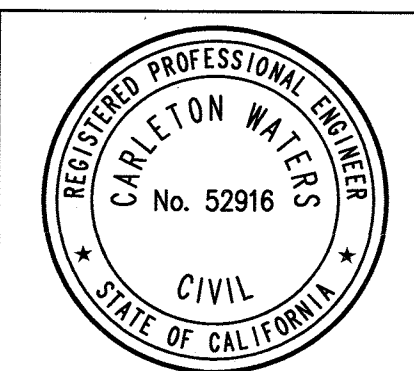
- EX EXISTING TRAFFIC SIGN TO BE PROTECTED IN PLACE.
- RM REMOVE AND SALVAGE EXISTING SIGN(S) (AND POST, IF EXISTING).
- RL REMOVE AND RELOCATE EXISTING SIGN(S). INSTALL NEW POST PER CITY OF RIVERSIDE STANDARDS.
- IP FURNISH AND INSTALL SIGN (NOTED) AND POST PER COUNTY OF RIVERSIDE STANDARDS.

LEGEND

- EXISTING STRIPING & MARKINGS TO REMAIN. (SHALL BE REFRESHED)
- EXISTING STRIPING & MARKINGS TO BE REMOVED (REMOVALS BY CONTRACTOR)
- PROPOSED STRIPING & MARKINGS TO BE INSTALLED BY CONTRACTOR



Underground Service Alert
 CALL BEFORE YOU DIG
 Call: TOLL FREE 811
 www.call811.com
 TWO WORKING DAYS BEFORE YOU DIG



URBAN CROSSROADS
 206 E. BAKER STREET, SUITE 200
 COSTA MESA, CA 92626
 TELEPHONE # 949-660-1994
 3/1/2018
 CARLETON WATERS R.C.E. 52916

MARK	REVISIONS	APPR.	DATE

DESIGNED BY EL DRAWN BY EL CHECKED BY CDW

**CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT**

APPROVED BY	BY	DATE	APPROVED BY
ENGINEERING MANAGER	EL	3/1/2018	MARK STEUER - CITY ENGINEER
CONST. CONTRACT ADMIN.			
STREET SERVICES			
TRAFFIC DIVISION			

DATE 3/1/18

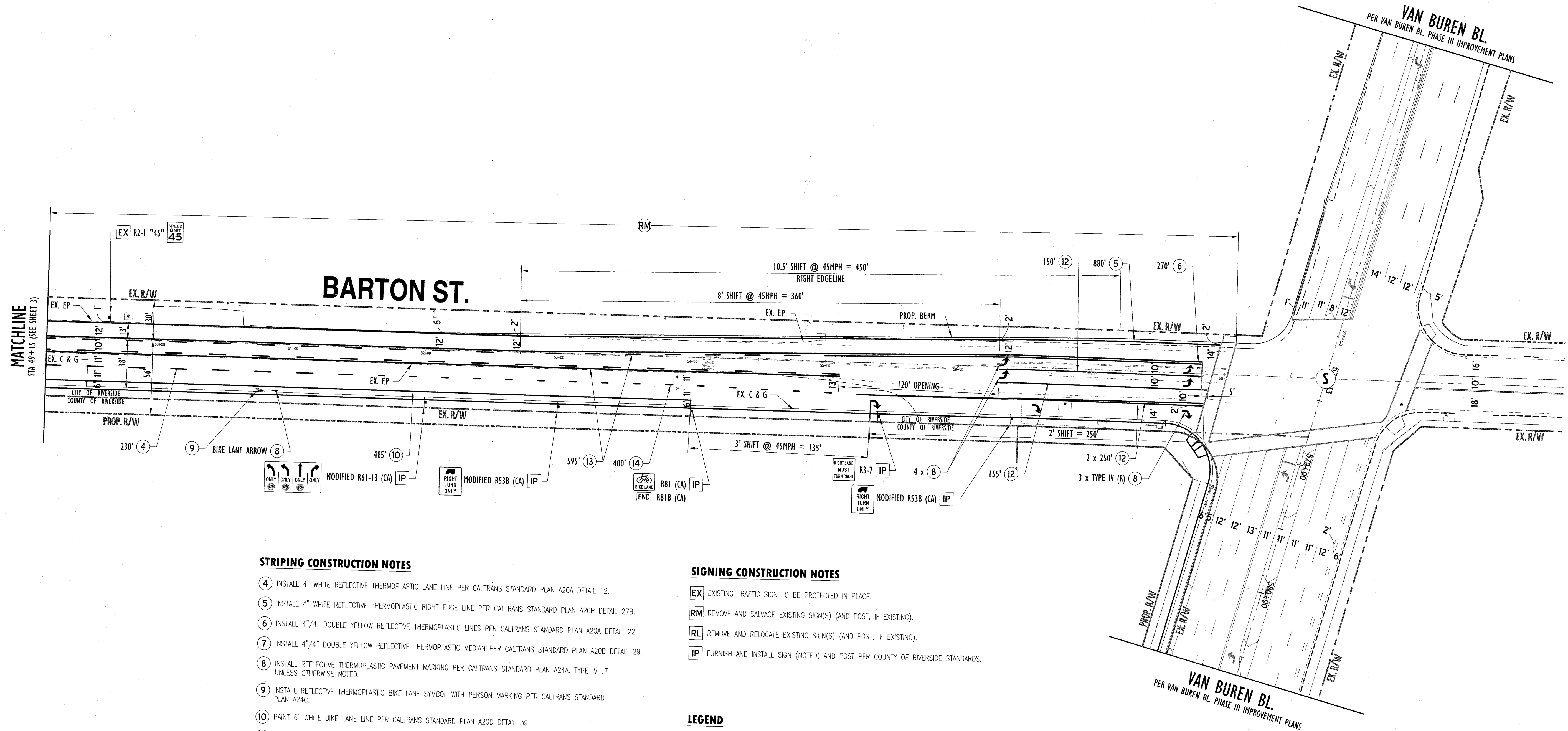
SIGNING & STRIPING PLAN

Barton St. - Krameria Av. to Van Buren Bl.

HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: NONE

ACCT. NO.
XL-768
 SHEET 3 OF 4
MJ-085

10846 - 10835\ACAD\Van Buren.dwg - 3/1/2018 - EL



STRIPING CONSTRUCTION NOTES

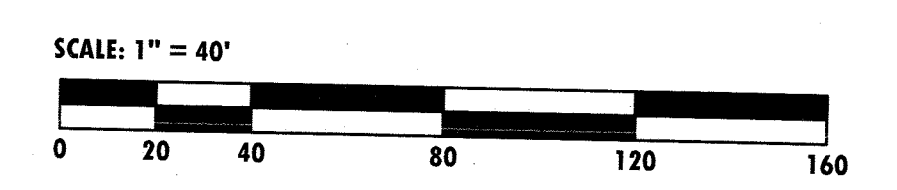
- ④ INSTALL 4" WHITE REFLECTIVE THERMOPLASTIC LANE LINE PER CALTRANS STANDARD PLAN A20A DETAIL 12.
- ⑤ INSTALL 4" WHITE REFLECTIVE THERMOPLASTIC RIGHT EDGE LINE PER CALTRANS STANDARD PLAN A20B DETAIL 27B.
- ⑥ INSTALL 4"/4" DOUBLE YELLOW REFLECTIVE THERMOPLASTIC LINES PER CALTRANS STANDARD PLAN A20A DETAIL 22.
- ⑦ INSTALL 4"/4" DOUBLE YELLOW REFLECTIVE THERMOPLASTIC MEDIAN PER CALTRANS STANDARD PLAN A20B DETAIL 29.
- ⑧ INSTALL REFLECTIVE THERMOPLASTIC PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24A. TYPE IV LT UNLESS OTHERWISE NOTED.
- ⑨ INSTALL REFLECTIVE THERMOPLASTIC BIKE LANE SYMBOL WITH PERSON MARKING PER CALTRANS STANDARD PLAN A24C.
- ⑩ PAINT 6" WHITE BIKE LANE LINE PER CALTRANS STANDARD PLAN A20D DETAIL 39.
- ⑪ PAINT 6" WHITE BIKE LANE AT INTERSECTION LINE PER CALTRANS STANDARD PLAN A20D DETAIL 39A.
- ⑫ INSTALL 8" WHITE REFLECTIVE THERMOPLASTIC CHANNELIZING LINE PER CALTRANS STANDARD PLAN A20D DETAIL 38.
- ⑬ INSTALL 4"/4" DOUBLE YELLOW REFLECTIVE THERMOPLASTIC TWO-WAY LEFT TURN LANE PER CALTRANS STANDARD PLAN A20B DETAIL 32.
- ⑭ INSTALL 8" WHITE REFLECTIVE THERMOPLASTIC LANE DROP LINE PER CALTRANS STANDARD PLAN A20C DETAIL 37B.
- RM REMOVE ALL EXISTING/CONFLICTING STRIPING, LEGENDS, AND PAVEMENT MARKERS.

SIGNING CONSTRUCTION NOTES

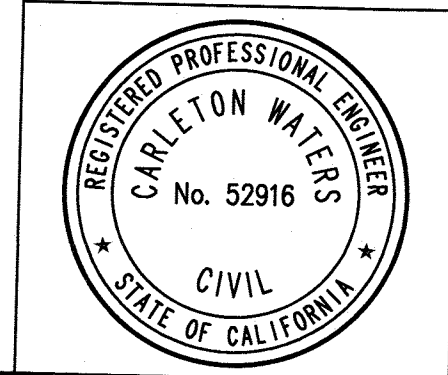
- EX EXISTING TRAFFIC SIGN TO BE PROTECTED IN PLACE.
- RM REMOVE AND SALVAGE EXISTING SIGN(S) (AND POST, IF EXISTING).
- RL REMOVE AND RELOCATE EXISTING SIGN(S) (AND POST, IF EXISTING).
- IP FURNISH AND INSTALL SIGN (NOTED) AND POST PER COUNTY OF RIVERSIDE STANDARDS.

LEGEND

- EXISTING STRIPING & MARKINGS TO REMAIN. (SHALL BE REFRESHED)
- EXISTING STRIPING & MARKINGS TO BE REMOVED (REMOVALS BY CONTRACTOR)
- PROPOSED STRIPING & MARKINGS TO BE INSTALLED BY CONTRACTOR



Underground Service Alert
 CALL BEFORE YOU DIG
 Call: TOLL FREE 811
 www.call811.com
 TWO WORKING DAYS BEFORE YOU DIG



URBAN CROSSROADS
 206 E. BAKER STREET, SUITE 200
 COSTA MESA, CA 92626
 TELEPHONE # 949-660-1994
 Carleton Waters 3/1/2018
 CARLETON WATERS R.C.E. 52916

MARK	REVISIONS	APPR. DATE
DESIGNED BY EL	DRAWN BY EL	CHECKED BY CDW

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE	APPROVED BY
ENGINEERING MANAGER	EL	3/1/18	MARK GREUER - CITY ENGINEER
CONST. CONTRACT ADMIN.	EL	3/1/18	
STREET SERVICES	EL	3/1/18	
TRAFFIC DIVISION	EL	3/1/18	
DATE	3/1/18		

SIGNING & STRIPING PLAN

Barton St. - Krameria Av. to Van Buren Bl.
 HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: NONE

ACCT. NO.
XL-768
 SHEET 4 OF 4
MJ-085

108848 - 10885A-040-Van Buren-11.dwg - 3/7/2018 - EL