RIVERSIDE CALIFORNIA

PUBLIC WORKS DEPARTMENT

MARKET STREET
BICYCLE RAMP IMPROVEMENTS

GENERAL NOTES

1. PRIME CONTRACTOR BIDDING THIS PROJECT SHALL HAVE A CLASS "A" OR CLASS "C-12" LICENSE.

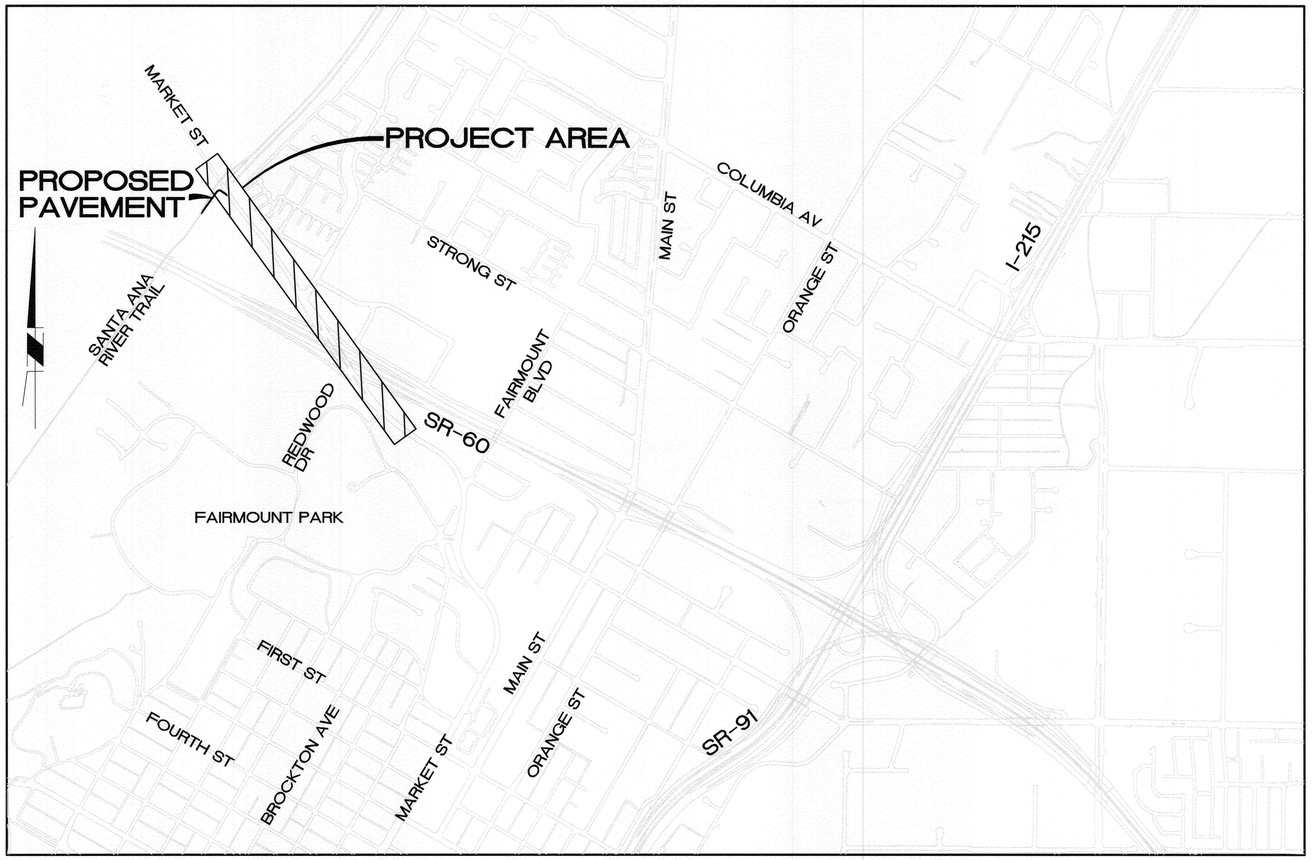
2. EXISTING UTILITIES SHOWN ON THIS PLAN ARE PLOTTED FROM UTILITY RECORDS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURE TO LOCATE AND PROTECT ALL UTILITIES WITHIN THE CONSTRUCTION WORK AREAS WHETHER OR NOT SHOWN ON THE PLAN. MANHOLES AND WATER VALVES SHALL BE "TIED OUT" PRIOR TO PAVEMENT WORK FOR SUBSEQUENT ADJUSTMENT WORK. FIRE HYDRANTS MUST BE LOCATED DURING CONSTRUCTION FOR BLUE MARKER INSTALLATIONS.

3. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE PUBLIC WORKS STANDARD DRAWINGS AND THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION," 2012 EDITION.

4. ANY TEMPORARY TRAFFIC CONTROL STRIPING OBLITERATED AND/OR BADLY WORN DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR WITHIN ONE DAY AFTER NOTIFICATION FOR THE CITY INSPECTOR.

5. WHERE NEW PAVEMENT IS TO ON THE EXITING PAVEMENT, THE EDGE OF THE EXISTING PAVEMENT SHALL BE TRIMMED IN A SMOOTH AND STRAIGHT LINE. CONSTRUCT MATCH-UP PAVING AS DIRECTED IN THE FIELD TO PRODUCE A SMOOTH SECTION.

6. CONTRACTOR SHALL REPLACE ALL DAMAGED STRIPING PER DRAWING NO. XL-539A.



LOCATION MAP
SCALE: NOT TO SCALE

CONSTRUCTION LEGEND

- CENTER LINE
- PROPERTY LINE
- 2.5" ASPHALT
- TOP OF SLOPE
- TOE OF SLOPE
- DIRECTION OF FLOW
- CHAIN LINK FENCE
- DAYLIGHT LINE
- BOLLARDS

STRIPING PLANS – XL-539A

SHEET 1 – MARKET STREET FROM FAIRMOUNT PARK TO RIVERA STREET

SHEET 2 – MARKET STREET FROM RIVERA STREET TO SANTA ANA RIVER TRAIL.

CONSTRUCTION NOTES:

NUMBERS ABOVE 100 IN A HEXAGON ON THE PLAN REFER TO THE RESPECTIVE STANDARD DRAWING AND SHALL BE CONSTRUCTED ACCORDINGLY. UNLESS MODIFICATIONS ARE NOTED ON THE PLAN OR COVER SHEET. ANY NUMBER SHOWN BELOW INDICATES THE SPECIFIC ALTERNATE TO BE CONSTRUCTED.

- PIP CLF — PROTECT IN PLACE EXIST CHAIN LINK FENCE.
- REM XX — REMOVE EXISTING FACILITY (XX=TYPE PER PLAN). BERM=AC BERM (SURFACE SHALL BE FLUSH WITH EXIST STREET AND NEW PAVED TRAIL); GATE=GATE, GATE POST AND GATE POST FOOTINGS; CLF=CHAIN LINK FENCE.
- BOL — INSTALL 4.5" DIA REMOVABLE BOLLARDS PER DETAIL IN SPECIFICATIONS.
- CLF — INSTALL NEW 6' HIGH CHAIN LINK FENCE PER CITY STD DWG 380. OMIT BARB WIRE.
- PAV — INSTALL 2.5" A.C. ON NATIVE SOIL COMPACTED TO 90% PER CITY STD DWG 111.
- STR — THERMOPLASTIC STRIPE, CALTRANS DETAIL PER PLAN. (1) YELLOW CENTERLINE STRIPE PER CALTRANS DETAIL 1; (27) WHITE EDGELINE STRIPE PER CALTRANS DETAIL 27B, SEE STRIPING DETAIL ON SHEET 2; (BK) BIKE SYMBOL PER CALTRANS DETAIL A24C; (ARR) TYPE I 10' ARROW PER CALTRANS DETAIL A24A; (DIA) DIAMOND SYMBOL PER CALTRANS DETAIL A24C.

AS BUILT 02/26/2016

BENCHMARK GPS-51

2.5" BRASS DISK STAMPED "CITY OF RIVERSIDE GPS STATION 51 1191 CADME" SET IN THE TOP OF A CATCH BASIN ALONG THE NORTHERLY CURB OF COLUMBIA AVENUE, 4 FEET EAST OF THE BCR OF THE NORTHEAST CURB RETURN OF MAIN STREET AND COLUMBIA AVENUE

ELEV - 813.657 (NGVD 29)

Underground Service Alert of Southern California
Call: TOLL FREE 1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG

CITY OF RIVERSIDE

ENGINEER IN RESPONSIBLE CHARGE
Thuy N. Nguyen
R.C.E. No. 64751
DATE 4/2/15

REGISTERED PROFESSIONAL ENGINEER — THUY N. NGUYEN — No. 64751 — CIVIL — STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY TN DRAWN BY TN CHECKED BY TN

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
ENGINEERING MANAGER	F.M.	4/2/15
CONSTRUCTION ADMIN.	DG	4/14/15
TRAFFIC DIVISION	K.H.	4.3.15
SURVEY	CS	4/6/15

APPROVED BY _____ CITY ENGINEER
DATE 4/6/2015

STREET IMPROVEMENTS

MARKET STREET BICYCLE RAMP IMPROVEMENTS

HORIZ. SCALE: NA VERT. SCALE: NA

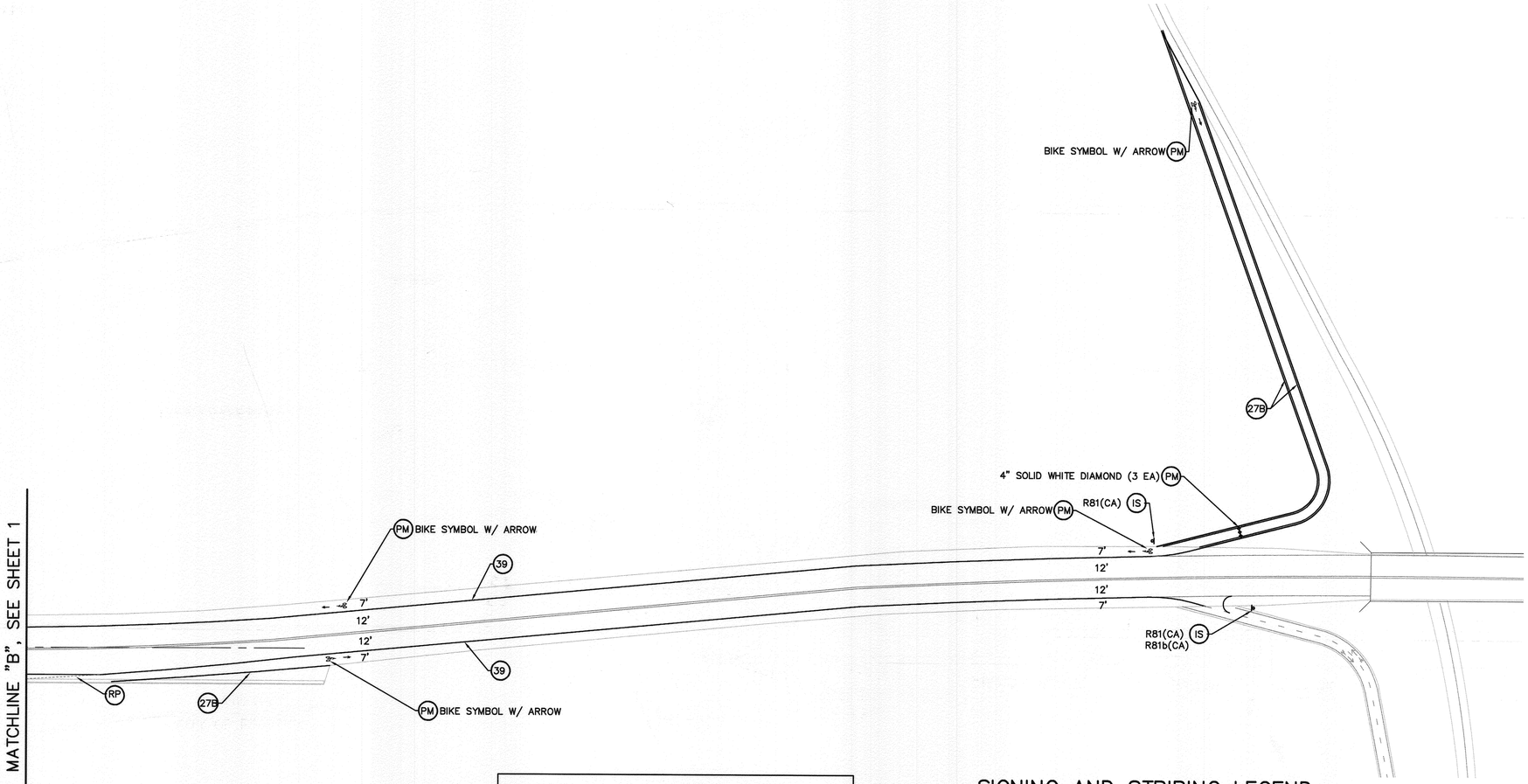
DESIGN WORK ORDER. NO.: 1406243
CONSTR. WORK ORDER. NO.: 1412538

R-4271

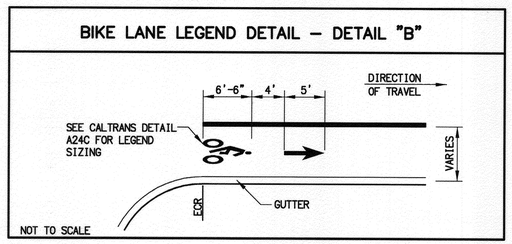
SHEET 1 OF 2

FILE NAME: R4271-01.DWG

MOEXE8 09-13-2016



BIKE LANE LEGEND DETAIL – DETAIL "B"



STRIPING/SIGNAGE QUANTITIES – THIS SHEET

ITEM	DESCRIPTION	QUANTITY	UNIT
1	DETAIL 27B	140	LF
2	DETAIL 39	1550	LF
3	INSTALL PAVEMENT MARKING	42	SF
4	REMOVE LANE LINE	40	LF
5	INSTALL SIGN (SINGLE POST)	2	EA

SIGNING AND STRIPING LEGEND:

- (#) INSTALL CALTRANS STRIPING DETAIL PER NUMBER NOTED, INCLUDING INSTALLATION OF RAISED PAVEMENT MARKERS.
- (PM) INSTALL PAVEMENT MARKING OR ARROW AS NOTED.
- (RP) REMOVE ALL EXISTING CONFLICTING TRAFFIC STRIPING AND MARKINGS AS NOTED, INCLUDING RAISED PAVEMENT MARKERS.
- (IS) FURNISH AND INSTALL ROADSIDE SIGN(S) OR SNS WITH/WITHOUT POST
- (S) EXISTING SIGNALIZED INTERSECTION
- PROPOSED SIGN (ONE POST)
- EXISTING SIGN (ONE POST)
- 12' PROPOSED WIDTH

SCALE: 1"=40'

40 0 40 80 120

SCALE: 1"=40'

Under Ground Service Alert of Southern California
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TWO WORKING DAYS BEFORE YOU DIG

CITY OF RIVERSIDE

ENGINEER IN RESPONSIBLE CHARGE
GILBERT M. HERNANDEZ
R.C.E. No. 69170 EXPIRES: 6-30-16
DATE 3-11-15

REGISTERED PROFESSIONAL ENGINEER GILBERT M. HERNANDEZ No. 69170 Exp. 06-30-16 CIVIL STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY MAC DRAWN BY MAC CHECKED BY GMH

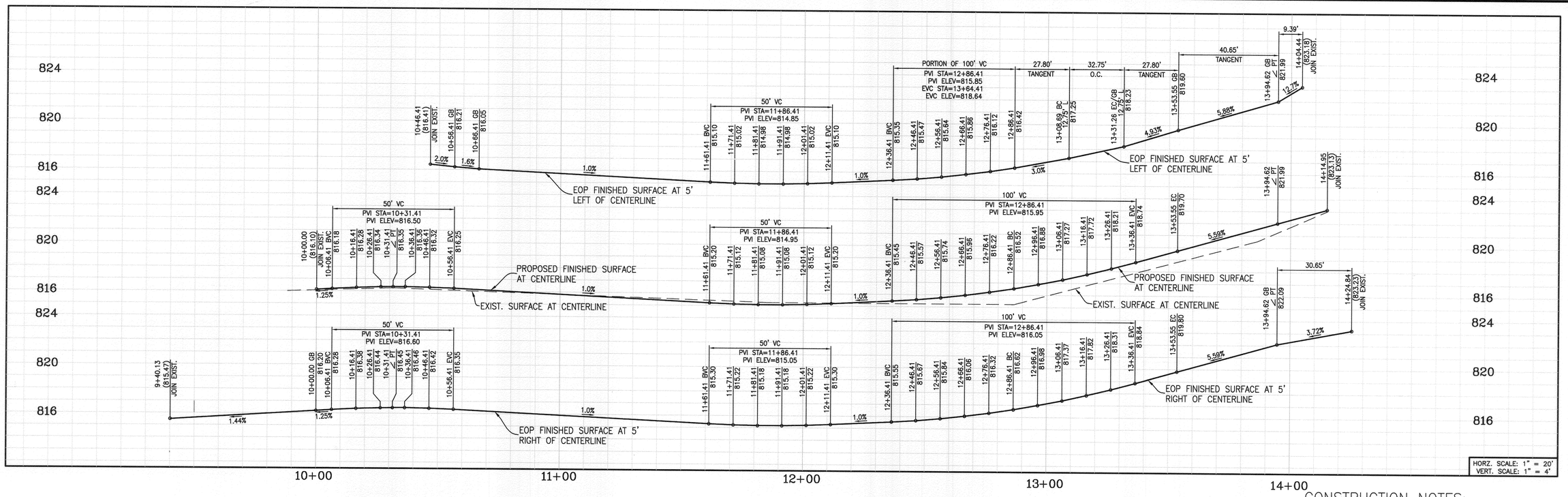
CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
ENGINEERING MANAGER	F.M.	4/2/15
TRAFFIC DIVISION	K.H.	4-3-15
CONSTRUCTION ADMIN.	JC	4-3-15

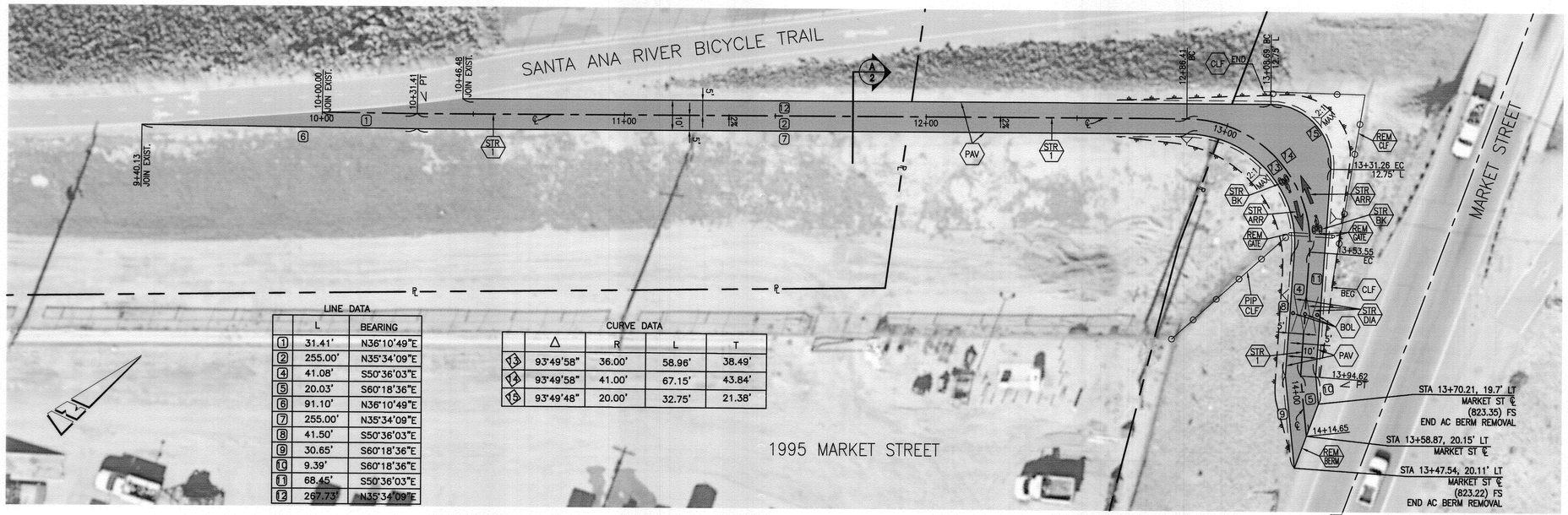
APPROVED BY
CITY ENGINEER
DATE 4/6/2015

SIGNING AND STRIPING PLAN
MARKET STREET
FROM REDWOOD DRIVE
TO SANTA ANA RIVER TRAIL
SCALE: 1" = 40'

XL-539A
SHEET 2 OF 2
FILE NAME: XL539A.DWG



HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 4'



LINE DATA

	L	BEARING
1	31.41'	N36°10'49"E
2	255.00'	N35°34'09"E
4	41.08'	S50°36'03"E
5	20.03'	S60°18'36"E
6	91.10'	N36°10'49"E
7	255.00'	N35°34'09"E
8	41.50'	S50°36'03"E
9	30.65'	S60°18'36"E
10	9.39'	S60°18'36"E
11	68.45'	S50°36'03"E
12	267.73'	N35°34'09"E

CURVE DATA

	Δ	R	L	T
13	93°49'58"	36.00'	58.96'	38.49'
14	93°49'58"	41.00'	67.15'	43.84'
15	93°49'48"	20.00'	32.75'	21.38'

CONSTRUCTION NOTES:

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PIP CLF — PROTECT IN PLACE EXIST CHAIN LINK FENCE.

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PAV — INSTALL 2.5" A.C. ON NATIVE SOIL COMPACTED TO 90% PER CITY STD DWG 111.

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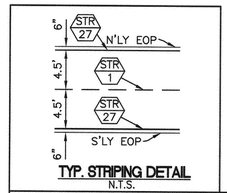
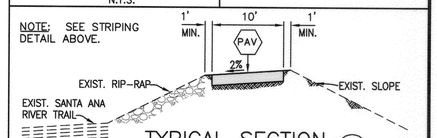


TYP. STRIPING DETAIL
N.T.S.



TYPICAL SECTION (A 2)
FROM 10+46.48 TO 12+68.41
N.T.S.

BENCHMARK GPS-51

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ELEV - 813.657 (NGVD 29)

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CITY OF RIVERSIDE

ENGINEER IN RESPONSIBLE CHARGE
Thuy N. Nguyen
R.C.E. No. 64751
DATE 4/2/15

REGISTERED PROFESSIONAL ENGINEER — THUY N. NGUYEN — No. 64751 — CIVIL — STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY TN DRAWN BY TN CHECKED BY TN

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
ENGINEERING MANAGER	F.M.	4/2/15
CONSTRUCTION ADMIN.	D.G.	4.3.15
TRAFFIC DIVISION	T.H.	4-3-15
SURVEY		4/6/15

APPROVED BY
CITY ENGINEER
DATE 4/6/2015

STREET IMPROVEMENTS

MARKET STREET BICYCLE RAMP IMPROVEMENTS

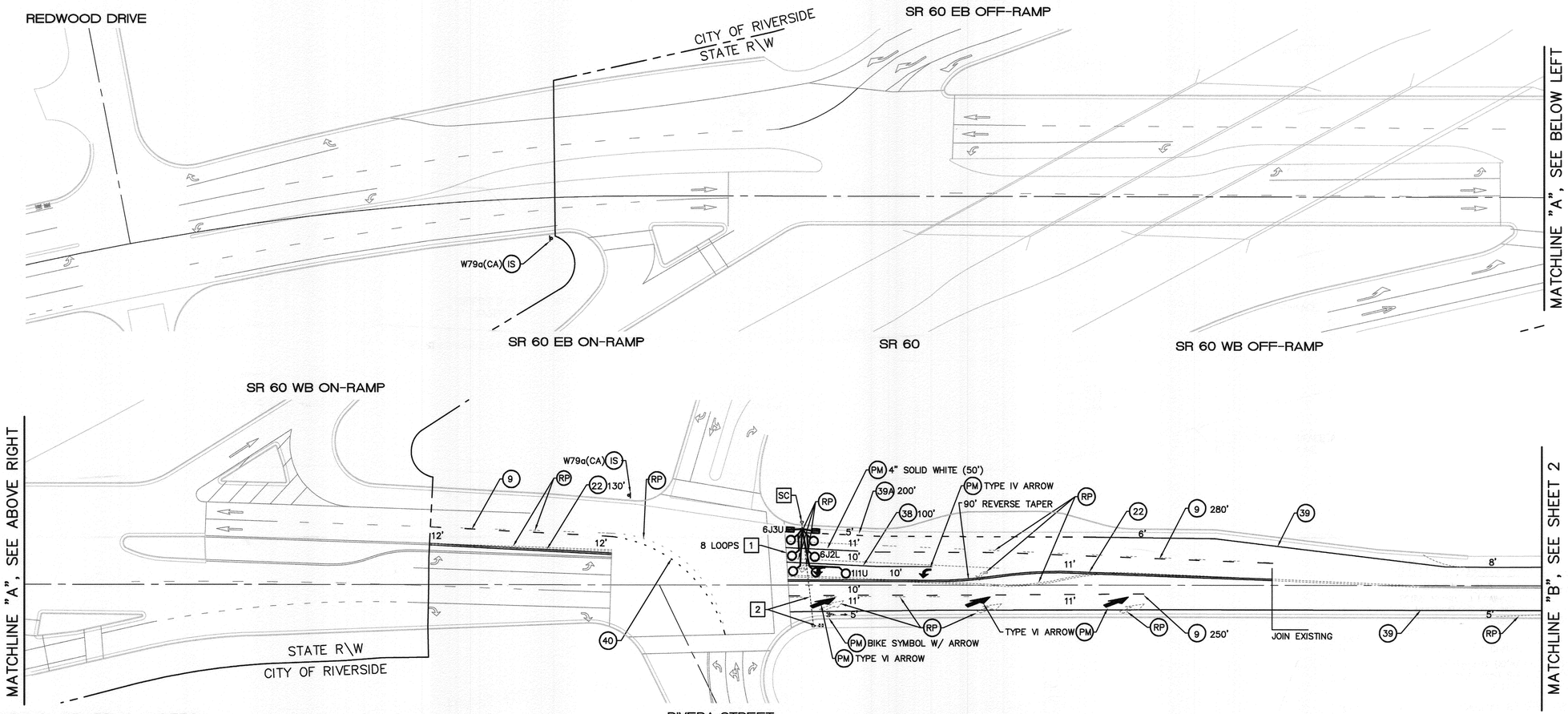
HORIZ. SCALE: 1"=20' VERT. SCALE: 1"=4'

DESIGN WORK ORDER. NO.: 1406243
CONSTR. WORK ORDER. NO.: 1412538

R-4271

SHEET 2 OF 2

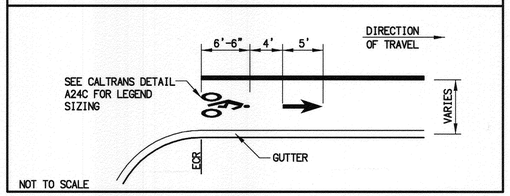
FILE NAME: R4271-02.DWG

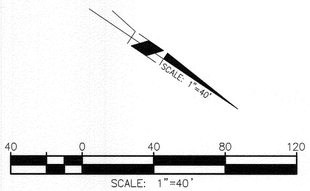


SIGNING AND STRIPING GENERAL NOTES:

1. 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 2010, 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 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.
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. 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.
6. 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.
7. 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.
8. 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.
9. CONTRACTOR SHALL INSTALL NEW SIGN(S) AND/OR POST(S) PER CITY OF RIVERSIDE STANDARD DRAWING No. 664, SEE SPECIFICATIONS.
10. 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".
11. WHERE APPLICABLE, OUTBOUND LANE LINE DETAILS SHALL COMMENCE AT THE CROSSWALK, MEANING THE PAINTED PORTION OF THE DETAIL SHALL JOIN THE CROSSWALK.

BIKE LANE LEGEND DETAIL – DETAIL "B"





SIGNING AND STRIPING LEGEND:

- [1] INSTALL DETECTOR LOOPS AS NOTED ON PLAN. SPLICE TO DLC(s) AT ADJACENT PULLBOX
- [2] CONTRACTOR SHALL INSTALL NEW DLC APPROX. 75' FROM THE ADJACENT PULLBOX TO EXISTING CONTROLLER FOR CHANNEL 6J3U.
- (#) INSTALL CALTRANS STRIPING DETAIL PER NUMBER NOTED, INCLUDING INSTALLATION OF RAISED PAVEMENT MARKERS.
- (PM) INSTALL PAVEMENT MARKING OR ARROW AS NOTED.
- (RP) REMOVE ALL EXISTING CONFLICTING TRAFFIC STRIPING AND MARKINGS AS NOTED, INCLUDING RAISED PAVEMENT MARKERS.
- (IS) FURNISH AND INSTALL ROADSIDE SIGN(S) OR SNS WITH/WITHOUT POST
- (S) EXISTING SIGNALIZED INTERSECTION
- PROPOSED SIGN (ONE POST)
- EXISTING SIGN (ONE POST)
- 12' PROPOSED WIDTH

STRIPING/SIGNAGE QUANTITIES – THIS SHEET

ITEM	DESCRIPTION	QUANTITY	UNIT
1	DETAIL 9	760	LF
2	DETAIL 22	670	LF
3	DETAIL 38	120	LF
4	DETAIL 39	850	LF
5	DETAIL 39A	200	LF
6	DETAIL 40	90	LF
7	4" WHITE	100	LF
8	INSTALL PAVEMENT MARKING	155	SF
9	REMOVE LANE LINE	1440	LF
10	REMOVE PAVEMENT MARKING	156	SF
11	INSTALL SIGN (SINGLE POST)	2	EA
12	INSTALL DETECTOR LOOP	8	EA

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REGISTERED PROFESSIONAL ENGINEER — GILBERT M. HERNANDEZ — No. 69170 — Exp. 06-30-16 — CIVIL — STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY MAC DRAWN BY MAC CHECKED BY GMH

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
ENGINEERING MANAGER	E.M.	4/27/15
TRAFFIC DIVISION	E.H.	4-3-15
CONSTRUCTION ADMIN.	SC	4.3.15

APPROVED BY _____ CITY ENGINEER
DATE 4/30/2015

SIGNING AND STRIPING PLAN
MARKET STREET
FROM REDWOOD DRIVE
TO SANTA ANA RIVER TRAIL
SCALE: 1" = 40'

XL-539A
SHEET 1 OF 2
FILE NAME: XL539A.DWG