RIVERSIDE CALIFORNIA

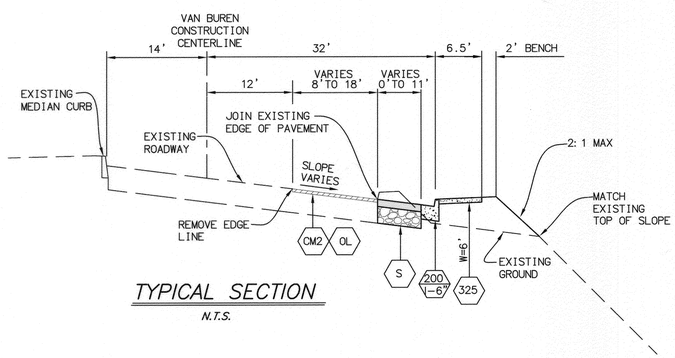
CITY OF RIVERSIDE

PUBLIC WORKS DEPARTMENT
VAN BUREN BOULEVARD
STREET IMPROVEMENTS

NORTHBOUND FROM JURUPA AVENUE TO SANTA ANA RIVER BRIDGE

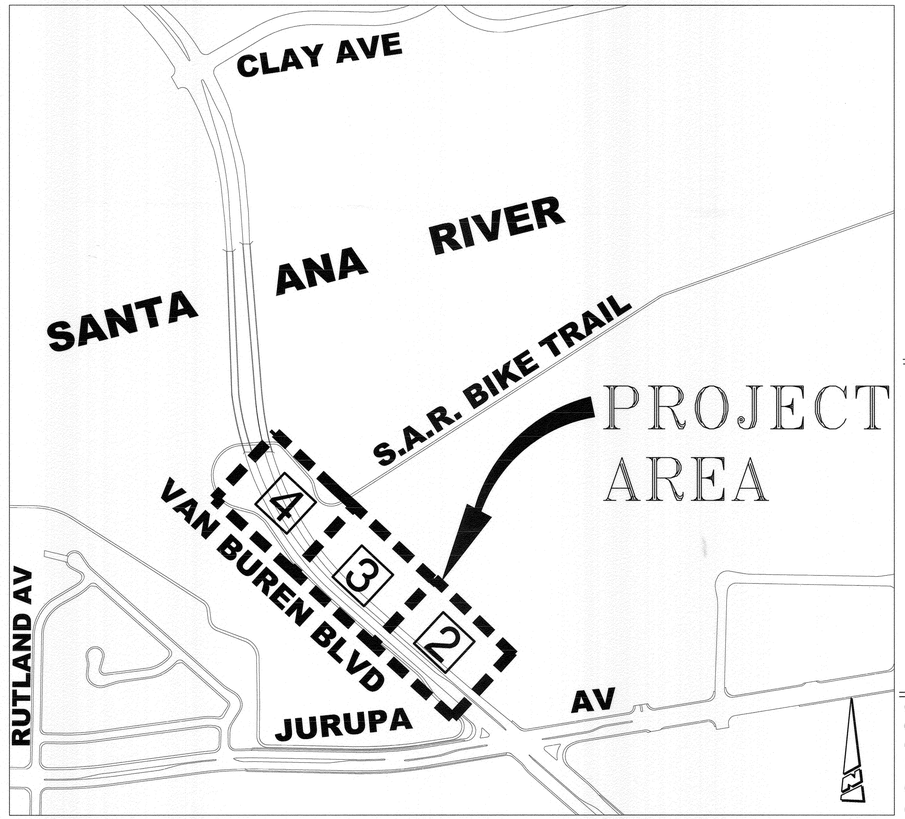
CONSTRUCTION NOTES:

- 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 THE STANDARD DRAWING NUMBER INDICATES THE SPECIFIC ALTERNATE TO BE CONSTRUCTED.
- (S) CONSTRUCT 0.12' A.R.H.M.–GG AC OVERLAY OVER 0.38' (B–PG–64–10) DGAC OVER 1.20' COMPACTED AGGREGATE BASE MATERIAL.
- (CM2) VARIABLE AREA COLD MILL OF EXISTING AC PAVEMENT TO LANE LINE INDICATED. DEPTH OF VARIABLE AREA COLD MILL SHALL BE A MINIMUM OF 0.12'.
- (OL) CONSTRUCT A.R.H.M.–GG AC OVERLAY (0.12' MIN. THICKNESS) FOLLOWING COLD MILLING.
- (REM) SAWCUT AND REMOVE ALL EXISTING IMPROVEMENTS AS INDICATED.
- (ADJ) ADJUST EXISTING FACILITY TO GRADE, DESCRIPTION (––) PER PLAN. (MH) SEWER, STORM DRAIN OR WATER. (GV) GATE VALVE. (WM) WATER METER. (PB) PULL BOX. (ETS) ELECTRICAL TEST STATION. (CO) SEWER OR STORM DRAIN CLEANOUT.
- (CAB) CABLE FACILITIES TO BE RELOCATED BY CHARTER COMMUNICATIONS AND COORDINATED BY CONTRACTOR.
- (TR) FOR RELOCATION/REMOVAL OF TRAFFIC FACILITY, SEE SIGNAL AND STRIPING PLANS.
- (IRR) RELOCATE/MODIFY ALL EXISTING IRRIGATION FACILITIES AS NEEDED SO THAT ALL EXISTING LANDSCAPING WHICH IS NOT REMOVED AS PART OF THE CONSTRUCTION REMAINS SUFFICIENTLY IRRIGATED DURING AND AFTER ALL CONSTRUCTION HAS BEEN COMPLETED.
- (PIP) PROTECT IN PLACE EXISTING FACILITY. DESCRIPTION (––) PER PLAN. RSR= UTILITY RISER, MH= WATER, SEWER OR STORM DRAIN MANHOLE, PB= PULLBOX, C&G= CURB AND GUTTER, RW= RETAINING WALL, VLT= VAULT
- (REM GR) RELOCATE APPROXIMATELY 65 LINEAR FEET OF EXISTING GUARD RAIL. CONTRACTOR SHALL FURNISH AND INSTALL NEW POSTS AND RECONSTRUCT GUARDRAIL PER CALTRANS STANDARDS A77F1 LAYOUT 12A AND A77J4 TYPE WB
- (AI) ABANDON EXISTING STORM DRAIN INLET AS DESCRIBED IN SPECIAL PROVISIONS AND GREENBOOK.
- (AP) SAWCUT AND REMOVE ENOUGH OF EXISTING STORM PIPE TO CONSTRUCT NEW JUNCTION STRUCTURE. THE REMAINDER OF UPSTREAM STORM DRAIN PIPE SHALL BE ABANDONED AS DESCRIBED IN SPECIAL PROVISIONS AND GREENBOOK.
- (RCP 18") FURNISH AND INSTALL 18" RCP STORM DRAIN PIPE PER CITY STD. 452 & 453 UNLESS OTHERWISE NOTED.



TYPICAL SECTION

N.T.S.



LOCATION/ INDEX MAP

N.T.S.

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 MEASURES TO LOCATE AND PROTECT ALL UTILITIES WITHIN THE CONSTRUCTION WORK AREAS WHETHER OR NOT SHOWN ON THE PLAN. MH'S & 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 DEPARTMENT OF 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 FROM THE CITY INSPECTOR.
5. WHERE NEW PAVEMENT IS TO JOIN THE EXISTING 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–714.

SHEET INDEX

STREET PLANS (R–4287)

SHEET NO.	DESCRIPTION
1	TITLE SHEET & GENERAL NOTES
2	500' NORTHERLY OF JURUPA AVENUE TO 91+00
3	STA 91+00 TO 96+00
4	STA 96+00 TO S.A.R. BRIDGE

SIGNING AND STRIPING PLAN (XL–714)

PLAN NO.	# OF SHEETS	DESCRIPTION
XL–714	2	VAN BUREN BOULEVARD FROM SANTA ANA RIVER TO NORTH OF CENTRAL AVENUE

UNDERGROUND STREET LIGHT PLANS (140022–01)

PLAN NO.	# OF SHEETS	DESCRIPTION
140022–01	1	STREET LIGHT DESIGN FOR NORTHBOUND VAN BUREN BOULEVARD

EXISTING TOPOGRAPHY:

- MONITORING WELL
- SANITARY SEWER M.H.
- STORM DRAIN M.H.
- WATER GATE VALE
- ELECTRIC M.H.
- TELEPHONE M.H.
- WATER METER
- ELECTRICAL TEST STATION (PIPELINE)
- FIRE HYDRANT
- IRRIGATION METER
- BLOW–OFF VALVE
- TRAFFIC SIGN
- POWER POLE
- GUY ANCHOR
- STREET LIGHT ON MAST ARM
- PCC PAVEMENT
- PALM TREE
- MISC. TREE
- BUILDING
- TOP OF SLOPE
- TOE OF SLOPE
- DIRECTION DRAINAGE FLOW
- EDGE OF PAVEMENT

LEGEND

- NEW AC PAVEMENT PER PLAN
- NEW PCC PER PLAN
- COLD MILL AND OVERLAY

EXISTING UNDERGROUND UTILITIES:

- SANITARY SEWER
- WATER LINE
- STORM DRAIN
- UNDERGROUND
- GAS
- CABLE TV

AS-BUILT 10-28-15 DC

BENCHMARK H3–D3 TRANSFER

CHISELED "X" IN THE TOP OF EASTERLY BASE BOLT OF AN 18" DIAMETER TRAFFIC SIGNAL POLE AT THE NORTHEASTERLY CURB RETURN OF JURUPA AVENUE AND VAN BUREN BOULEVARD (TRANSFERRED FROM H3–D3 5/04/2010 PER LL 47/64)

ELEVATION: 726.557 (NGVD 29)

CALL BEFORE YOU DIG — Under Ground 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

Name Edward Lam

R.C.E. No. 63753 EXPIRES: 9–30–14

DATE March 3, 2014

REGISTERED PROFESSIONAL ENGINEER — EDWARD LAM — No. 63753 — Exp. 9–30–2014 — CIVIL — STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY CS DRAWN BY CS CHECKED BY EL

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
ENGINEERING MANAGER	L.M.	3/4/14
CONSTRUCTION ADMIN.	D.C.	3/4/14
TRAFFIC DIVISION	L.H.	3-4-14
STREETS SERVICES		
SURVEYOR	DS	3/4/14

APPROVED BY CITY ENGINEER — DATE 3/6/2014

STREET IMPROVEMENTS

VAN BUREN BOULEVARD
NORTHBOUND FROM JURUPA AVENUE TO SANTA ANA RIVER BRIDGE

TITLE SHEET AND GENERAL NOTES

HORIZ. SCALE: N/A VERT. SCALE: N/A

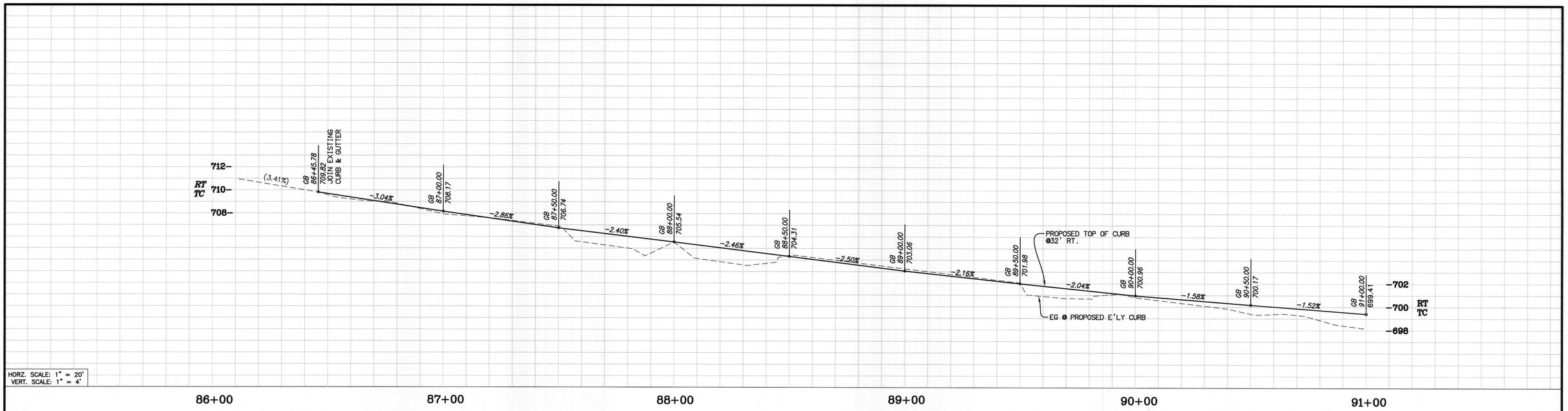
DESIGN WORK ORDER. NO.: 1020180
CONSTR. WORK ORDER. NO.: 1416259

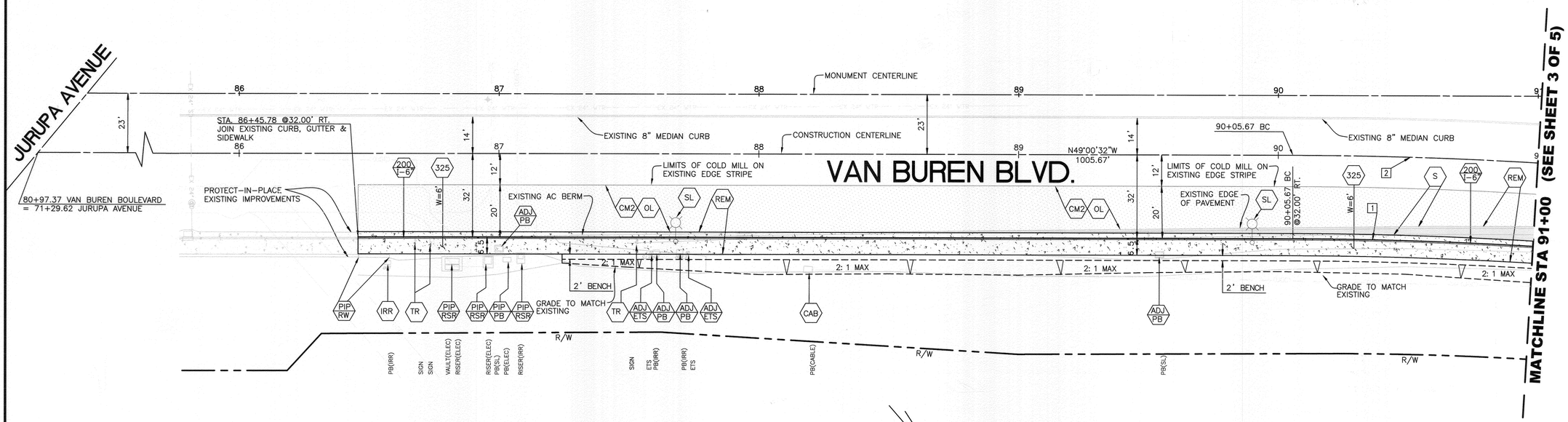
R-4287

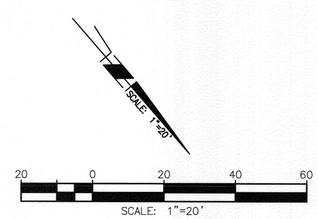
SHEET 1 OF 4

FILE NAME: R4287–01

INDEXED 10-28-15 DC







CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	TANGENT	DESCRIPTION
1	847.60	1608.00	30°12'05"	432.68'	CURB FACE
2	1334.43	1640.00	46°37'12"	706.64'	CENTERLINE

BENCHMARK H3-D3 TRANSFER

CHISELED "X" IN THE TOP OF EASTERLY BASE BOLT OF AN 18" DIAMETER TRAFFIC SIGNAL POLE AT THE NORTHEASTERLY CURB RETURN OF JURUPA AVENUE AND VAN BUREN BOULEVARD (TRANSFERRED FROM H3-D3 5/04/2010 PER LL 47/64)

ELEVATION: 726.557 (NGVD 29)

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CITY OF RIVERSIDE

ENGINEER IN RESPONSIBLE CHARGE
Name Edward Lam
R.C.E. No. 63753 EXPIRES: 9-30-14
DATE March 3, 2014

REGISTERED PROFESSIONAL ENGINEER EDWARD LAM No. 63753 Exp. 9-30-2014 CIVIL STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY CS DRAWN BY CS CHECKED BY EL

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
ENGINEERING MANAGER	F.M.	3/4/14
CONSTRUCTION ADMIN.	D.G.	3/4/14
TRAFFIC DIVISION	E.U.	3-4-14
STREETS SERVICES		
SURVEYOR		3/4/14

APPROVED BY
CITY ENGINEER
DATE 3/6/2014

STREET IMPROVEMENTS

VAN BUREN BOULEVARD
NORTHBOUND FROM JURUPA AVENUE TO SANTA ANA RIVER BRIDGE

500' NORTHERLY OF JURUPA AVENUE to 91+00

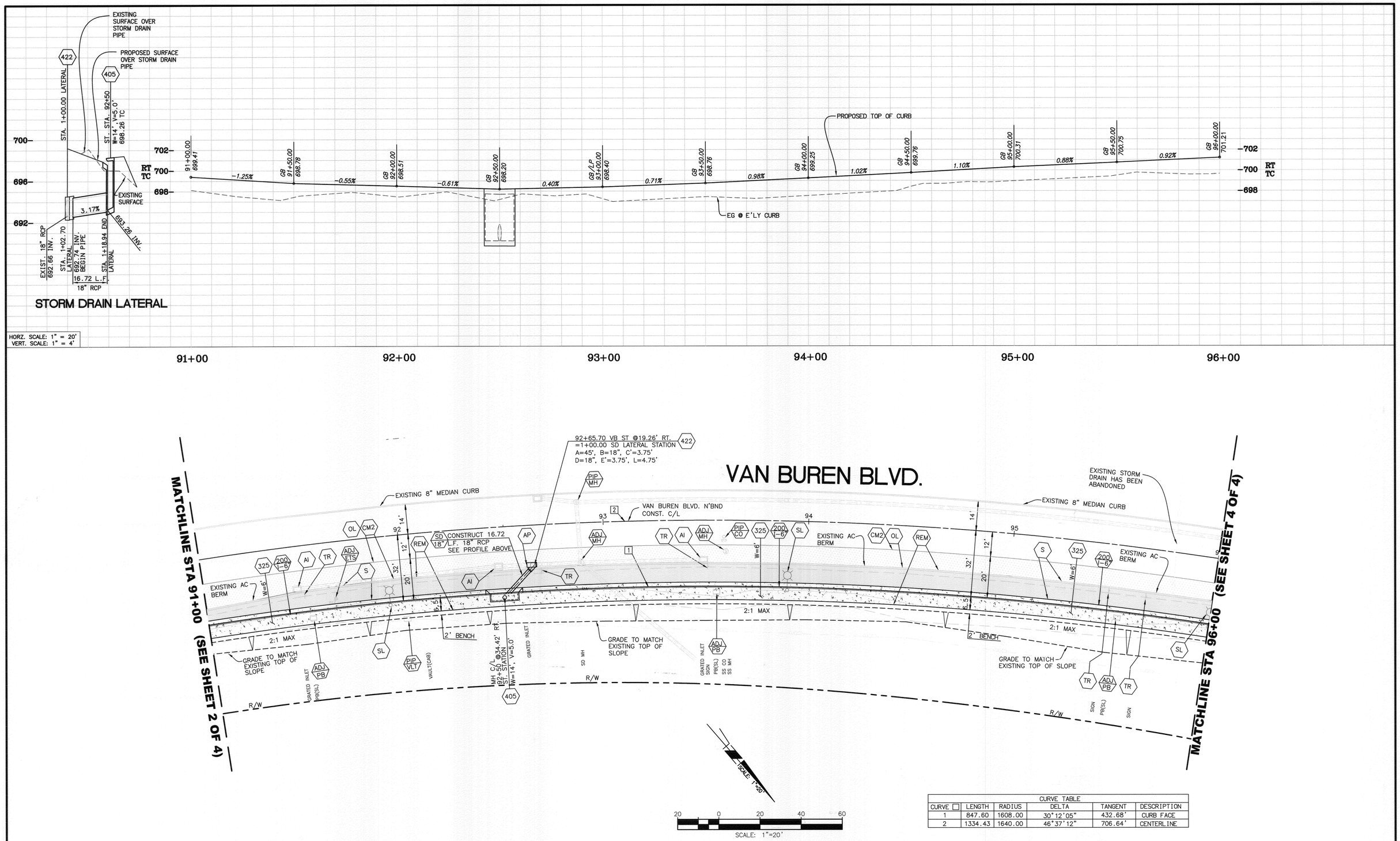
HORIZ. SCALE: 1"=20' VERT. SCALE: 1"=4'

DESIGN WORK ORDER. NO.: 1020180
CONSTR. WORK ORDER. NO.: 1416259

R-4287

SHEET 2 OF 4

FILE NAME: R4287-02



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CITY OF RIVERSIDE

ENGINEER IN RESPONSIBLE CHARGE
Edward Lara
Name
R.C.E. No. 63753 EXPIRES: 9-30-14
DATE March 3, 2014

REGISTERED PROFESSIONAL ENGINEER EDWARD LARA No. 63753 Exp. 9-30-2014 CIVIL STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY CS DRAWN BY CS CHECKED BY EL

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
ENGINEERING MANAGER	E.M.	3/4/14
CONSTRUCTION ADMIN.	D.C.	3/4/14
TRAFFIC DIVISION	E.W.	3-4-14
STREETS SERVICES		
SURVEYOR	CS	3/4/14

APPROVED BY
CITY ENGINEER
DATE 3/6/2014

STREET IMPROVEMENTS

VAN BUREN BOULEVARD
NORTHBOUND FROM JURUPA AVENUE TO SANTA ANA RIVER BRIDGE

STA 91+00 to 96+00

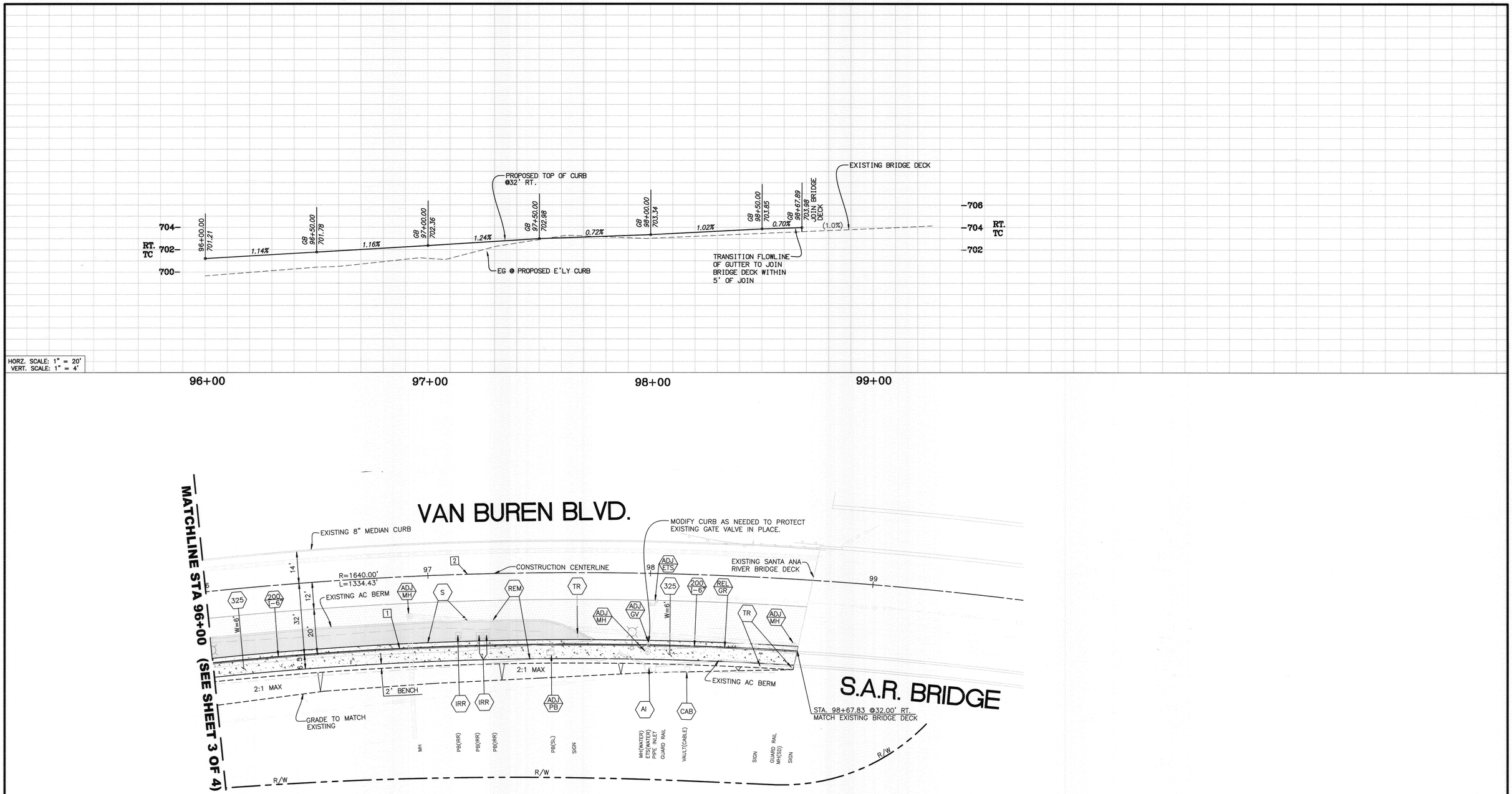
HORIZ. SCALE: 1"=20' VERT. SCALE: 1"=4'

DESIGN WORK ORDER. NO.: 1020180
CONSTR. WORK ORDER. NO.: 1416259

R-4287

SHEET 3 OF 4

FILE NAME: R4287-03



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SCALE: 1"=20'

20 0 20 40 60

SCALE: 1"=20'

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Name

R.C.E. No. 63753 EXPIRES: 9-30-14

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CONSTRUCTION ADMIN.	DC	3/4/14
TRAFFIC DIVISION	E.H.	3-4-14
STREETS SERVICES		
SURVEYOR	CS	3/4/14

APPROVED BY CITY ENGINEER

DATE 3/6/2014

STREET IMPROVEMENTS

VAN BUREN BOULEVARD
NORTHBOUND FROM JURUPA AVENUE TO SANTA ANA RIVER BRIDGE

STA 96+00 to 98+67.83

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

DESIGN WORK ORDER NO.: 1020180
CONSTR. WORK ORDER NO.: 1416259

R-4287

SHEET 4 OF 4

FILE NAME: R4287-04