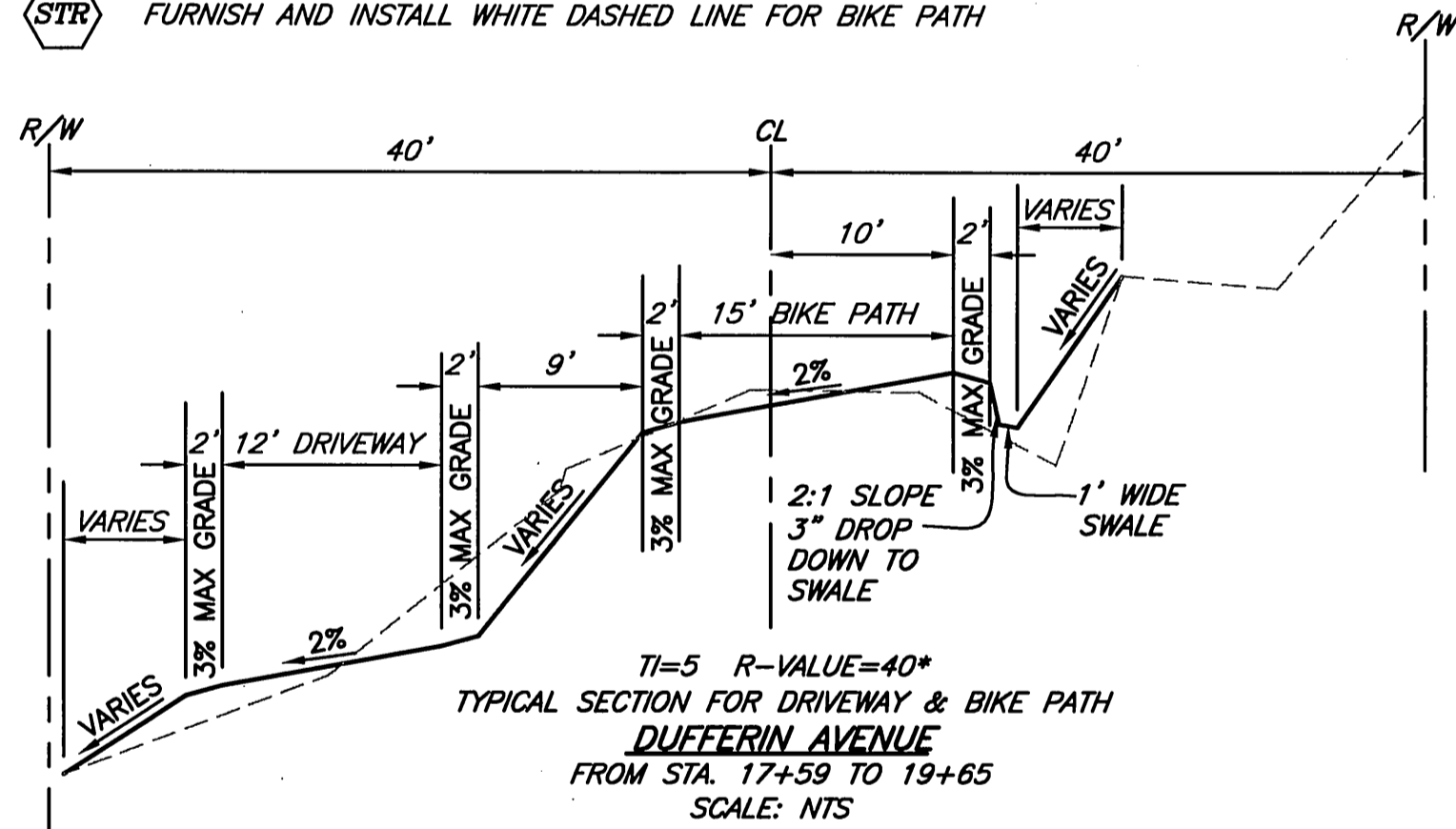


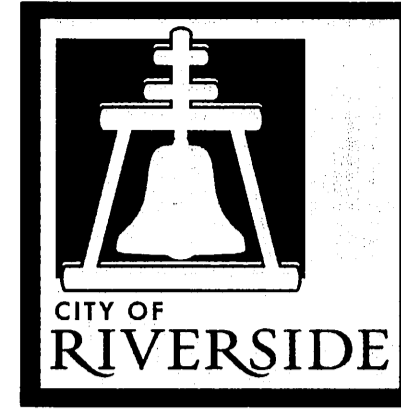
**CONSTRUCTION NOTES:**

- 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.
- INSTALL 15' WIDE WROUGHT IRON FREE-STANDING GATE WITH POSTS AND CONNECT TO NEW OPTICOM EMERGENCY ACCESS SYSTEM.
- INSTALL OPTICOM, OR EQUAL, ELECTRONIC EMERGENCY ACCESS SYSTEM AND CONNECT TO PROPOSED WROUGHT IRON GATES.
- TYPE II COLD MILLING EXISTING PAVEMENT AT JOIN LINES (OR AS DIRECTED BY THE ENGINEER) TO A UNIFORM DEPTH OF 0.10'.
- CONSTRUCT STRUCTURAL SECTION OF 0.33' DGAC OVER 0.42' AB OVER 90% COMPACTED NATIVE SOIL. (T.I.=5, R-VALUE=40\*)
- CONSTRUCT STRUCTURAL SECTION OF 0.33' DGAC OVER 90% COMPACTED NATIVE MATERIAL (R-VALUE=40)
- OVERLAY EXISTING PAVEMENT, COLDMILL AREAS, AND NEW STRUCTURAL SECTION WITH 0.10' MIN THICKNESS DGAC
- ADJUST GATE VALVE TO GRADE.
- PROTECT IN PLACE (DESCRIPTION PER PLAN). SGN=SIGN, UTL=ALL EXISTING UTILITY FACILITIES; TR=TREES
- GRADE SWALE TO DRAIN GENERALLY AS INDICATED.
- CONSTRUCT NEW FENCE TYPE PER PLAN; LNK=CHAIN LINK FENCE;
- REMOVE EXISTING ITEM AS DESCRIBED IN PLAN. (TR) FOR TREE REMOVAL, (PAV) FOR PAVEMENT
- PROVIDE 2' FLAT BENCH AREA ON BOTH SIDES OF BIKE PATH AND DRIVEWAY AND STRAIGHT GRADE BETWEEN BOTH PAVEMENT AREAS AND PROVIDE 4" MIN DEPTH SWALE ON SOUTHERLY SIDE OF BIKE PATH.
- CONSTRUCT 12 INCH REINFORCED CONCRETE PIPE RIP RAP 3' LONG RIP RAP AREA AT OUTLET.
- CONSTRUCT A MODIFIED DRIVEWAY APPROACH TYPE III USING ASPHALT PAVEMENT INSTEAD OF CONCRETE AND AC BERM INSTEAD OF CURB.
- INSTALL 24X24 BROOKS BOX CATCH BASIN WITH STEEL GRATE.
- RELOCATE EXISTING FACILITY SGN=SIGN; MB=MAILBOX
- FURNISH AND INSTALL R44A (CA) SIGN AND POST AT BOTH SIDES OF BIKE PATH
- FURNISH AND INSTALL WHITE DASHED LINE FOR BIKE PATH

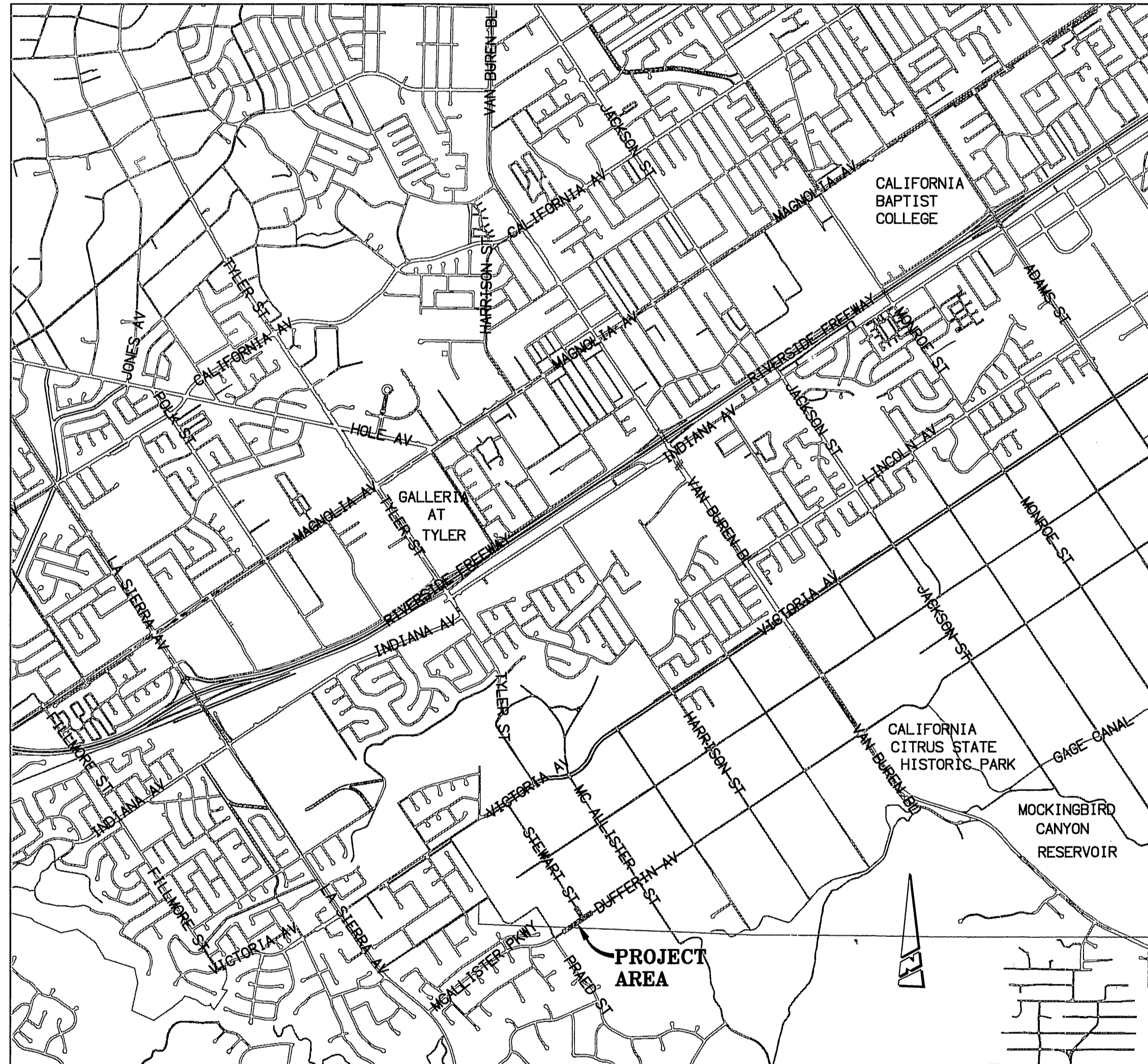


NOTE:  
\* NO GEOTECHNICAL DATA FOR THIS PROJECT ASSUMED TO BE SIMILAR AS SURROUNDING AREAS.

# RIVERSIDE CALIFORNIA



## PUBLIC WORKS DEPARTMENT DUFFERIN AVENUE & STEWART STREET INTERSECTION MODIFICATION



VICINITY MAP  
NTS

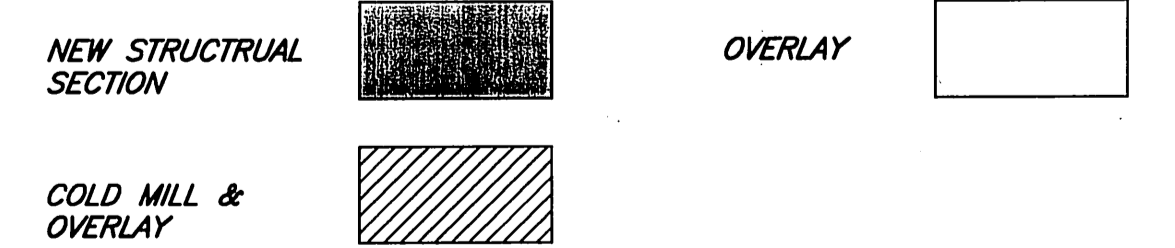
**SHEET INDEX:**

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	PLAN SHEET FOR DUFFERIN AVENUE & STEWART STREET

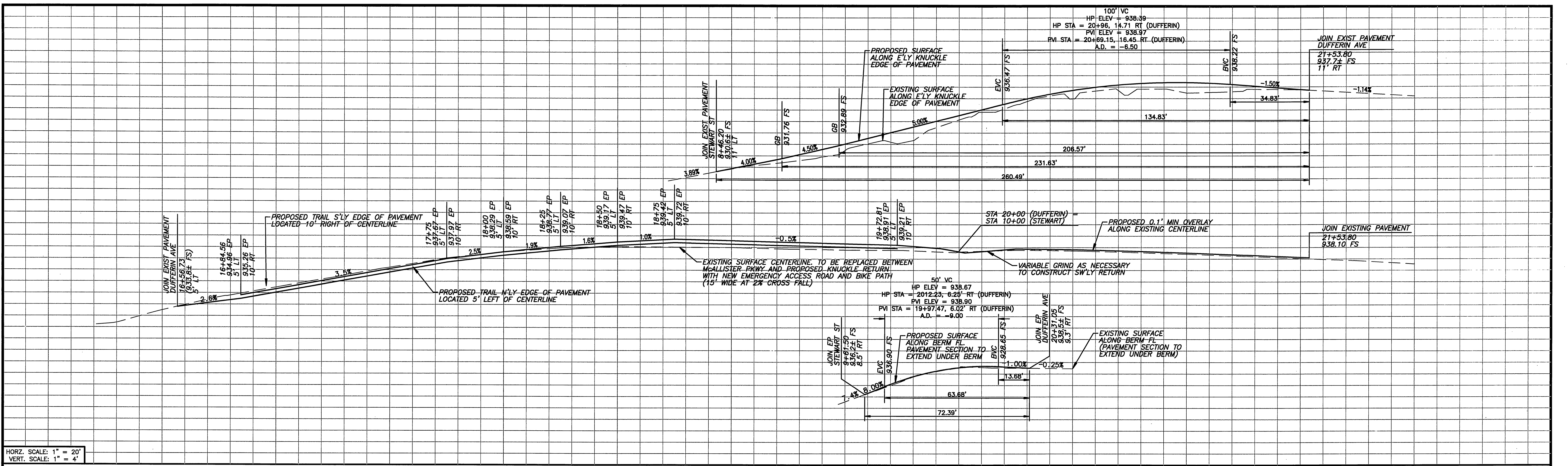
VICINITY MAP  
NTS

**LEGEND**

- SANITARY SEWER M.H.
  - STORM DRAIN M.H.
  - WATER GATE VALE
  - ELECTRIC M.H.
  - TELEPHONE M.H.
  - WATER METER
  - FIRE HYDRANT
  - IRRIGATION METER
  - BLOW-OFF VALVE
  - TRAFFIC SIGN
  - POWER POLE
  - STREET LIGHT ON MAST ARM
  - ELECTRICAL TEST STATION (PIPELINE)
  - TREE STUMP
  - PALM TREE
  - MISC. TREE
  - TOP OF SLOPE
  - TOE OF SLOPE
  - DIRECTION DRAINAGE FLOW
  - EDGE OF PAVEMENT
  - GUY ANCHOR
- STREET CENTERLINE \_\_\_\_\_
- STREET R/W \_\_\_\_\_
- LIMIT OF GRADING \_\_\_\_\_
- SANITARY SEWER \_\_\_\_\_ (CS)
- WATER LINE \_\_\_\_\_ (W)
- UNDERGROUND ELECTRIC \_\_\_\_\_ (UGE)
- EXISTING CONTOUR \_\_\_\_\_
- |                              |  |
|------------------------------|--|
| (54.76) EXISTING ELEVATION   | STA STREET STATION                         |
| 54.76 PROPOSED ELEVATION     | PI POINT OF INTERSECTION                   |
| TC TOP OF CURB               | V.C. VERTICAL CURVE                        |
| EP EDGE OF PAVEMENT          | BVC BEGIN VERTICAL CURVE                   |
| FL FLOWLINE                  | EVC END VERTICAL CURVE                     |
| FS FINISHED SURFACE          | PRC POINT OF REVERSE CURVATURE             |
| CL CENTERLINE                | G <sub>1</sub> GRADE INTO VERTICAL CURVE   |
| GB GRADE BREAK               | G <sub>2</sub> GRADE OUT OF VERTICAL CURVE |
| AC ASPHALTIC CONCRETE        | APN ASSESSORS PARCEL NUMBER                |
| PCC PORTLAND CEMENT CONCRETE | RCP REINFORCED CONCRETE PIPE               |
| C&G CURB AND GUTTER          | N'LY NORTHERLY                             |
| R/W RIGHT OF WAY             | S'LY SOUTHERLY                             |
|                              | ℓ(?) UNKNOWN DISTANCE                      |

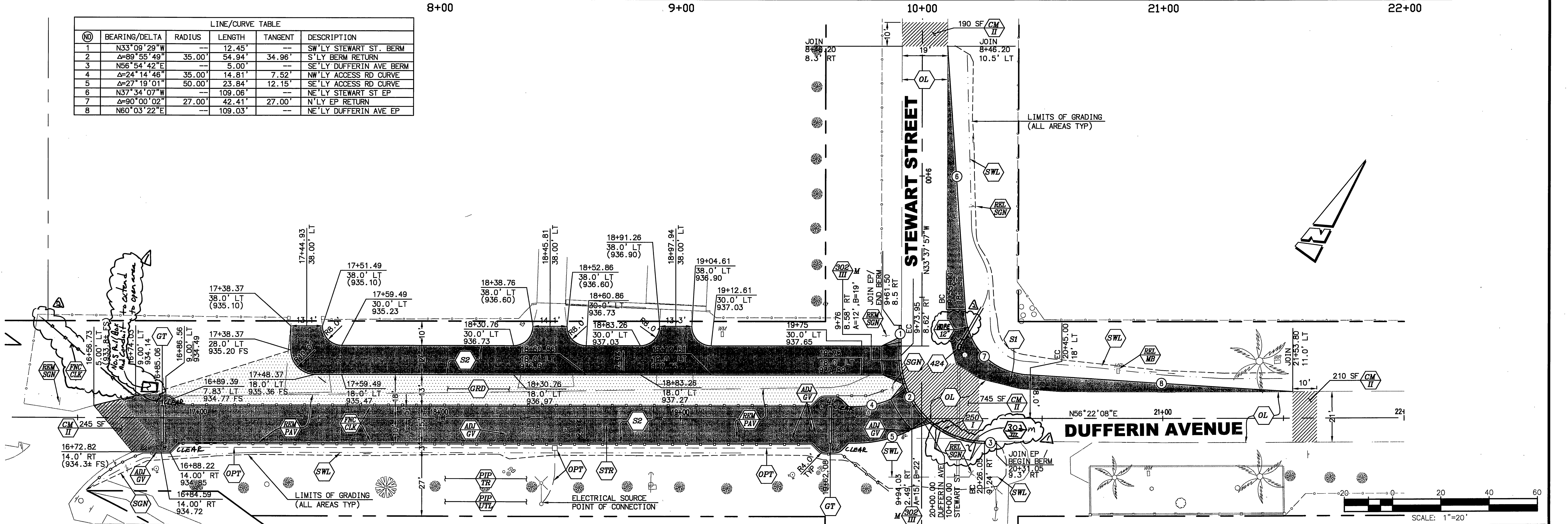


<p><b>Underground Service Alert</b> CALL BEFORE YOU DIG CALL-TOLL FREE 1-800-227-2600 TWO WORKING DAYS BEFORE YOU DIG</p>	<p><b>BENCHMARK DX5465</b> ELEVATION: 933.550 A 3 1/4 IN ALUM DISK IN AN 8 INCH DIAMETER CONCRETE POST AT THE S.E. CORNER OF DUFFERIN AVE AND MCALLISTER STREET - MWD DISK</p>	<p><b>ENGINEER IN RESPONSIBLE CHARGE</b> <i>Edward Lara</i> EDWARD LARA R.C.E. No. 63753 expires 9/30/10 DATE 7/22/09</p>	<p>REGISTERED PROFESSIONAL ENGINEER EDWARD LARA No. 63753 Exp. 9-30-10 CIVIL STATE OF CALIFORNIA</p>	<p>APPROVED BY: _____ BY: _____ DATE: 7/22/09 ENGINEERING MANAGER CONSTRUCTION ADMIN. _____ DATE: 8/4/09 SURVEYOR _____ DATE: 7/22/09 TRAFFIC ENGINEER _____ DATE: 7/22/09</p>	<p>CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT APPROVED BY: <i>[Signature]</i> CITY ENGINEER DATE: 8/4/09</p>	<p>DUFFERIN AVENUE &amp; STEWART STREET INTERSECTION MODIFICATIONS TITLE SHEET HORIZ. SCALE: 1"=20' VERT. SCALE: 1"=4'</p>	<p>CONSTRUCTION W.D. NO. - DESIGN W.D. NO. - 100909 <b>R-4138</b> SHEET 1 OF 2 FILE NO.</p>
---	--	---	--	--	---	--	---



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

LINE/CURVE TABLE					
NO	BEARING/Delta	RADIUS	LENGTH	TANGENT	DESCRIPTION
1	N33° 09' 29" W	---	12.45'	---	SW'LY STEWART ST. BERM
2	Δ=89° 55' 49"	35.00'	54.94'	34.96'	S'LY BERM RETURN
3	N56° 54' 42" E	---	5.00'	---	SE'LY DUFFERIN AVE BERM
4	Δ=24° 14' 48"	35.00'	14.81'	7.52'	NW'LY ACCESS RD CURVE
5	Δ=27° 19' 01"	50.00'	23.84'	12.15'	SE'LY ACCESS RD CURVE
6	N37° 34' 07" W	---	109.06'	---	NE'LY STEWART ST EP
7	Δ=90° 00' 02"	27.00'	42.41'	27.00'	N'LY EP RETURN
8	N60° 03' 22" E	---	109.03'	---	NE'LY DUFFERIN AVE EP



**Underground Service Alert**  
CALL BEFORE YOU DIG  
CALL-TOLL FREE  
**1-800-227-2600**  
TWO WORKING DAYS BEFORE YOU DIG

**BENCHMARK DX5465**  
ELEVATION: 933.550  
A 3 1/4 IN ALUM DISK IN AN 8 INCH DIAMETER CONCRETE POST AT THE S.E. CORNER OF DUFFERIN AVE AND McALLISTER STREET - MWD DISK

**ENGINEER IN RESPONSIBLE CHARGE**  
*Edward Lara*  
EDWARD LARA  
R.C.E. No. 63783 expires 9/30/10  
DATE 7/28/2009

DESIGNED BY: SCS  
DRAWN BY: SCS  
CHECKED BY: EL

APPROVED BY: [Signature]  
DATE: 8/4/09

CITY OF RIVERSIDE, CALIFORNIA  
PUBLIC WORKS DEPARTMENT

DUFFERIN AVENUE & STEWART STREET INTERSECTION MODIFICATIONS  
PLAN SHEET

CONSTRUCTION W.D. NO. - DESIGN W.D. NO. - 1008099  
**R-4138**  
SHEET 2 OF 2  
FILE NO.