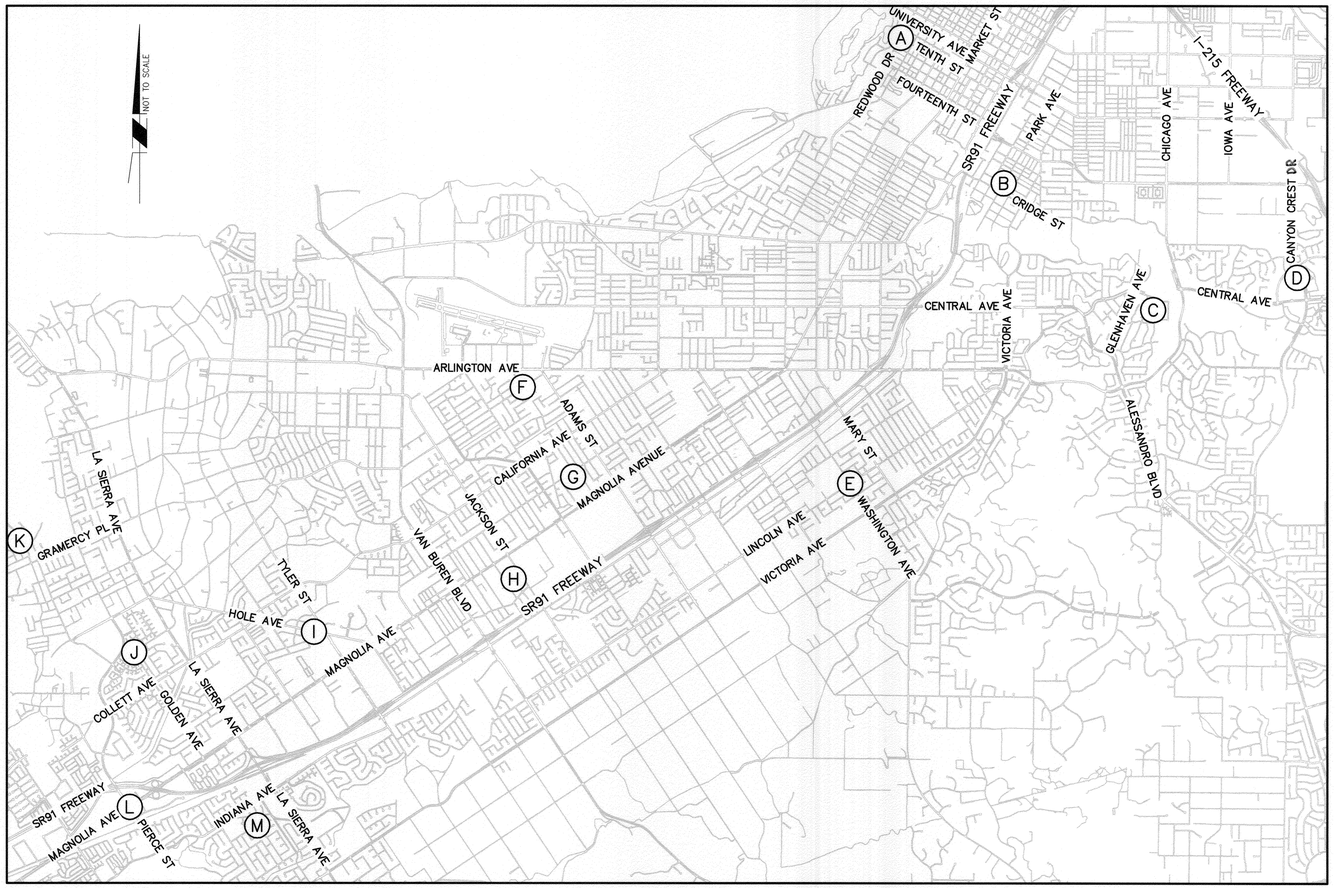
RIVERSIDE CALIFORNIA

PUBLIC WORKS DEPARTMENT

2012/2013
WHEELCHAIR RAMP CONSTRUCTION
PHASE 1

GENERAL CONSTRUCTION NOTES:

1. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE STANDARD DRAWINGS AND STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2012 EDITION.
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 WHETHER OR NOT SHOWN ON THIS PLAN.
3. ALL STREET PULL BOXES, AFFECTED BY CONSTRUCTION, SHALL BE ADJUSTED TO THE PROPOSED GRADE, UNLESS OTHERWISE NOTED.
4. PRIME CONTRACTOR BIDDING THIS WORK SHALL HAVE A CLASS "A" OR A "C-8".
5. CONTRACTOR SHALL GRIND AND OVERLAY EXISTING PAVEMENT AS REQUIRED ADJACENT TO 5% MAX. WHEELCHAIR RAMP BOTTOM LANDING INDICATED ON STANDARD DRAWING NO 304. CONTRACTOR SHALL GRIND AND OVERLAY AS NECESSARY BEYOND LANDING TO JOIN EXISTING PAVEMENT TO PROVIDE A FINISHED JOIN GRADE OF 16% MAXIMUM.
6. CONTRACTOR SHALL RECONSTRUCT EXISTING SIDEWALK OR ADD NEW SIDEWALK PER CITY STANDARD 325 AS NECESSARY TO ADEQUATELY JOIN NEW RAMP TO BE CONSTRUCTED PER CITY STD 304, WHETHER INDICATED OR NOT.



LOCATION MAP

SCALE: NOT TO SCALE

STRIPING GENERAL NOTES:

1. STRIPING INSTALLATIONS SHALL CONFORM TO THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD) DATED 2012, 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 2010 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. 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.
6. 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.
7. 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".

SHEET INDEX:

SHEET NO.	DESCRIPTION
1	TITLE SHEET AND GENERAL NOTES
2	LOCATIONS "A THRU I"
3	LOCATIONS "J THRU M"

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CITY OF RIVERSIDE

ENGINEER IN RESPONSIBLE CHARGE
Edward Lara
EDWARD LARA
R.C.E. No. 63753 EXPIRES: 9-30-14
DATE February 20, 2013

REGISTERED PROFESSIONAL ENGINEER EDWARD LARA No. 63753 Exp. 9-30-14 CIVIL STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE
	AS-BUILT 3-5-14	E.L.	3/5/14

DESIGNED BY DMC DRAWN BY DMC CHECKED BY EL

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
ENGINEERING MANAGER	F.M.	2/20/13
CONSTRUCTION ADMIN.	D.C.	2/22/13
TRAFFIC DIVISION	S.H.	2-20-13
STREETS SERVICES		

APPROVED BY
CITY ENGINEER
DATE 2/25/2013

WHEELCHAIR RAMP IMPROVEMENTS
2012/2013
WHEELCHAIR RAMP CONSTRUCTION
PHASE 1
TITLE SHEET AND GENERAL NOTES
HORIZ. SCALE: N/A VERT. SCALE: N/A

DESIGN WORK ORDER: #1316055
CONSTR. WORK ORDER: #1316056
M-471
SHEET 1 OF 3
FILE NAME: M471-1.DWG

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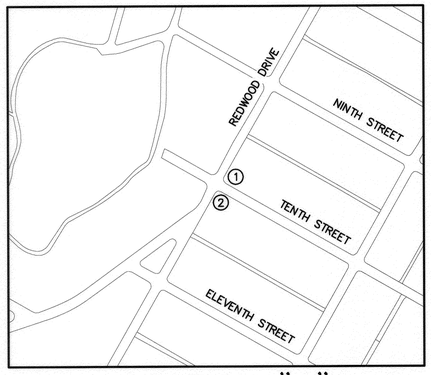
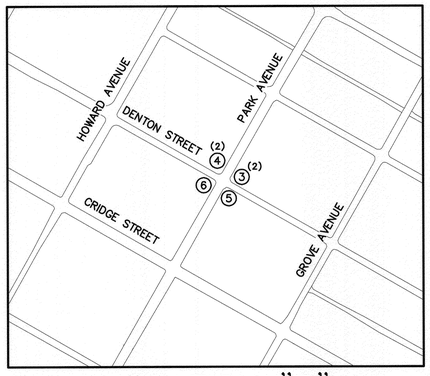


LOCATION "A"



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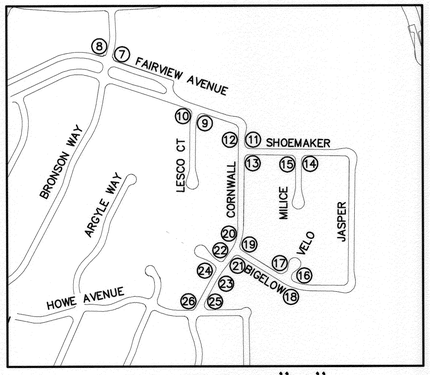
(SEE DETAIL HEREON)



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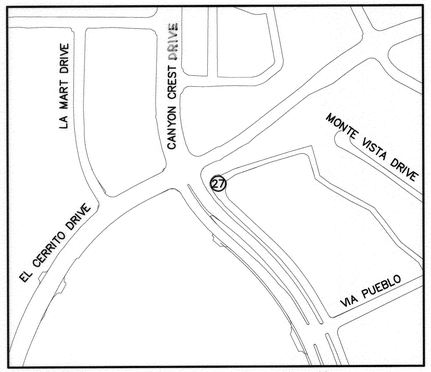
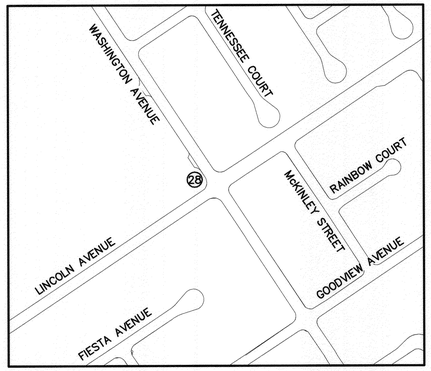


LOCATION "D"

(SEE SHEET 3)



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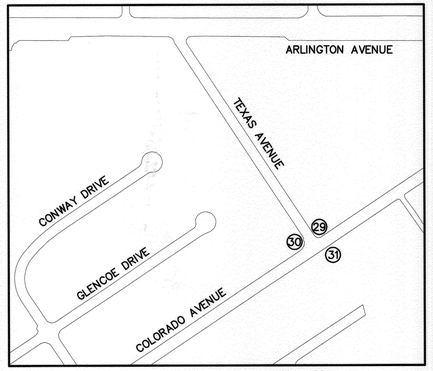

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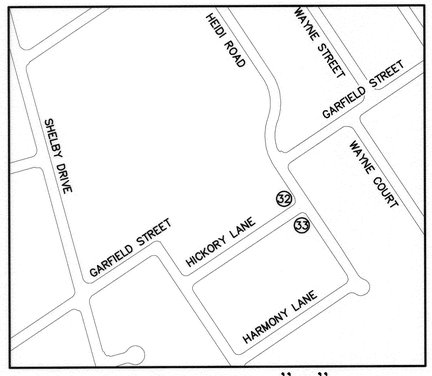

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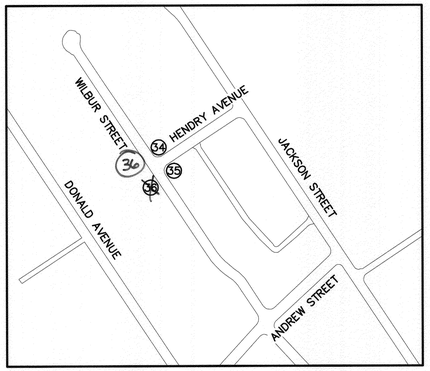

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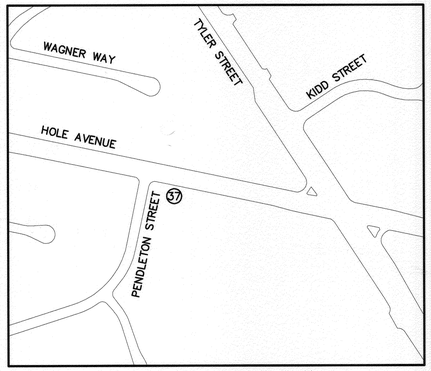


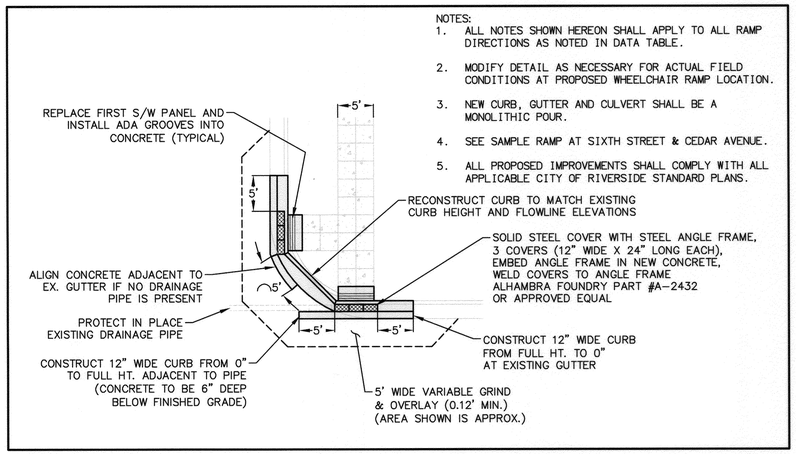
LOCATION "I"

WHEELCHAIR RAMP CONSTRUCTION DATA

NO.	LOCATION	QUAD.	RAMP TYPE	REMARKS
1	REDWOOD & TENTH	NE	I MOD	R&R, REPLACE WINGS WITH RETAINING CURB, CONSTRUCT RAMP IN SOUTHERLY DIRECTION ONLY, PIP STREET LIGHT
2		SE	I MOD	R&R, REPLACE WINGS WITH RETAINING CURB, CONSTRUCT RAMP IN NORTHERLY DIRECTION ONLY, PIP CATCH BASIN & GATE VALVE, SAW-CUT OUT INSPECTION STAMP & RE-INSTALL, MATCH SCORE PATTERN
3	PARK & DENTON	E	MOD	SEE CULVERT RAMP DETAIL BELOW, BOTH SOUTHERLY AND WESTERLY RAMPS
4		N	MOD	SEE CULVERT RAMP DETAIL BELOW, BOTH SOUTHERLY AND EASTERLY RAMPS
5		S	MOD	SEE CULVERT RAMP DETAIL BELOW, NORTHERLY RAMP ONLY
6		W	MOD	SEE CULVERT RAMP DETAIL BELOW, NORTHERLY RAMP ONLY
7	FAIRVIEW & BRONSON	NE	IV	
8		NW	IV	
9	LESCOE & FAIRVIEW	SE	I	R&R, PIP WALL
10		SW	I	R&R, PIP BUSHES (TRIM IF NECESSARY)
11	SHOEMAKER & CORNWALL	NE	II	R&R, PIP LANDSCAPING
12		NW	II-A	PIP LANDSCAPING
13		SE	II	R&R, PIP LANDSCAPING
14	MILICE & SHOEMAKER	SE	I	R&R, MODIFY LANDSCAPING AS NECESSARY
15		SW	I	R&R, MODIFY LANDSCAPING AS NECESSARY
16	VELO & BIGELOW	NE	I	R&R
17		NW	I	R&R
18		SE	VII	R&R
19	CORNWALL & BIGELOW	NE	I	R&R
20		NW	II-A	
21		SE	I	R&R
22	BRISA & CORNWALL	NW	I	R&R
23		SE	II-A	
24		SW	I	R&R
25	HOWE & CORNWALL	NE	I	R&R
26		NW	I	R&R, TRIM BUSHES, PIP UTILITY BOX, POWER POLE & CATCH BASIN
27	EL CERRITO & CANYON CREST	SE	MOD	SEE DETAIL, SHEET 3 OF 3
28	LINCOLN & WASHINGTON	NW	--	MODIFY TO WIDEN BOTTOM LANDING. REMOVE EXISTING PORTION OF RAMP CURB TO CONSTRUCT NEW CURB FROM JOINT AT THE MIDDLE OF THE EXISTING CURB RETURN TO PERPENDICULAR TO THE EXISTING RAMP RETAINING CURB. PIP POWER POLE.
29	COLORADO & TEXAS	NE	I	R&R, CONSTRUCT NEW RAMP AT MIDDLE OF CURB RADIUS, ADD S/W AS NECESSARY PER STD. 325. SANDBLAST AND/OR GRIND EXISTING X-WALK & "STOP" LEGEND. INSTALL NEW X-WALK (YELLOW) & "STOP" LEGEND (WHITE) IN THERMOPLASTIC TO ALIGN WITH RAMP NO. 31 & 29.
30		NW	I	R&R
31		SE	VII	
32	HEIDI & HICKORY	NW	IV	
33		SW	IV	
34	WILBUR & HENDRY	NE	IV	
35		SE	IV	
36		SW	~~VII~~	I MOD.
37	10350 HOLE AVENUE	--	MOD	R&R DWY PER STD. 302 CURB-I, A=23.5', 14% FRONT APPROACH, MATCHUP TO PL NOT TO EXCEED 14%, MODIFY CURB HEIGHT TRANSITION LENGTH FROM 2' TO 3'

R&R = REMOVE AND REPLACE EXISTING IMPROVEMENT
PIP = PROTECT IN PLACE
S/W = SIDEWALK
PL = PROPERTY LINE

NOTES:
1. ALL NOTES SHOWN HEREON SHALL APPLY TO ALL RAMP DIRECTIONS AS NOTED IN DATA TABLE.
2. MODIFY DETAIL AS NECESSARY FOR ACTUAL FIELD CONDITIONS AT PROPOSED WHEELCHAIR RAMP LOCATION.
3. NEW CURB, GUTTER AND CULVERT SHALL BE A MONOLITHIC POUR.
4. SEE SAMPLE RAMP AT SIXTH STREET & CEDAR AVENUE.
5. ALL PROPOSED IMPROVEMENTS SHALL COMPLY WITH ALL APPLICABLE CITY OF RIVERSIDE STANDARD PLANS.



CULVERT RAMP DETAIL (LOCATION "B")

SCALE: 1" = 10'

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DESIGNED BY DMC DRAWN BY DMC CHECKED BY EL

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
ENGINEERING MANAGER	E.M.	2/20/13
CONSTRUCTION ADMIN.		
TRAFFIC DIVISION		2-20-13
STREETS SERVICES		

APPROVED BY
CITY ENGINEER
DATE 2/25/2013

WHEELCHAIR RAMP IMPROVEMENTS
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PHASE 1
LOCATIONS "A THRU I"
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DESIGN WORK ORDER: #1316055
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M-471
SHEET 2 OF 3
FILE NAME: M471-2.DWG

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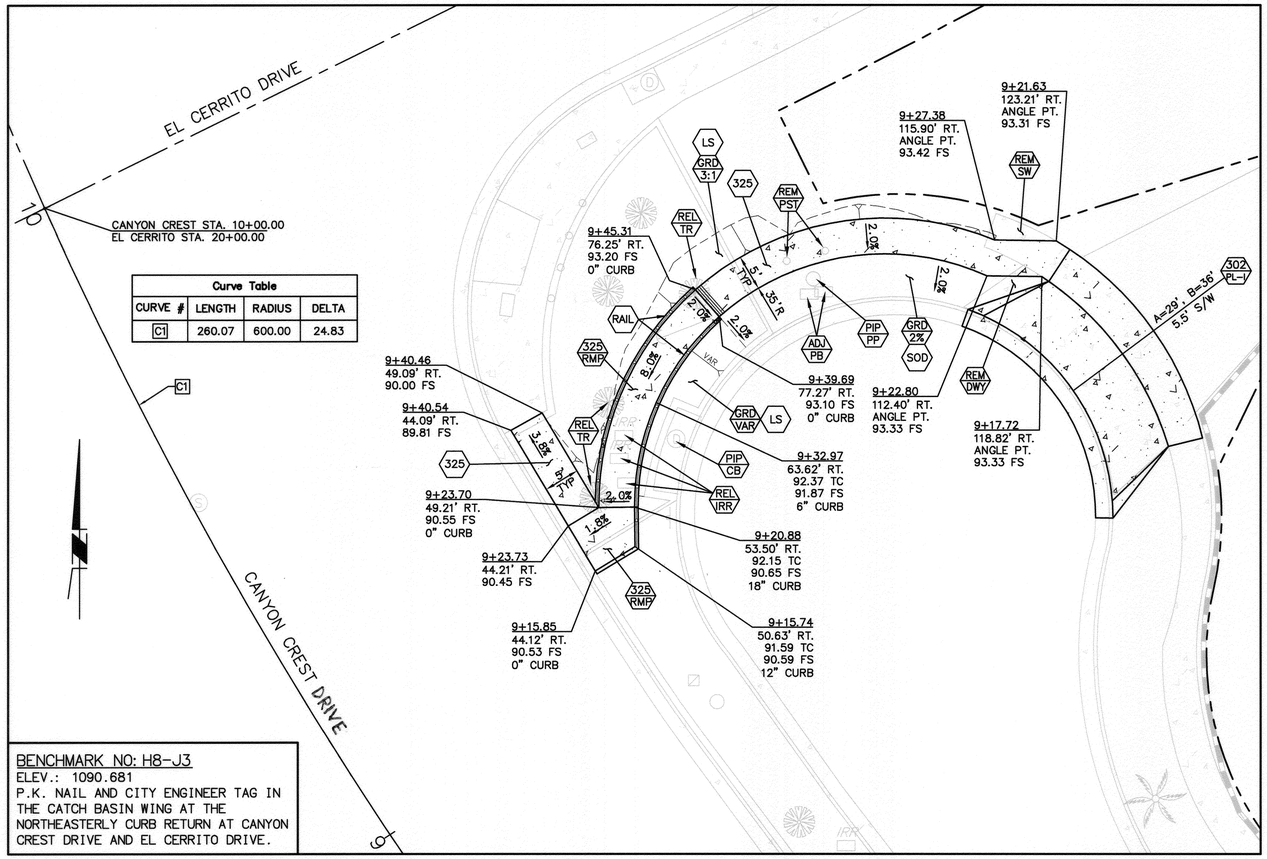


Curve Table			
CURVE #	LENGTH	RADIUS	DELTA
C1	260.07	600.00	24.83

BENCHMARK NO: H8-J3
ELEV.: 1090.681
P.K. NAIL AND CITY ENGINEER TAG IN THE CATCH BASIN WING AT THE NORTHEASTERLY CURB RETURN AT CANYON CREST DRIVE AND EL CERRITO DRIVE.

CANYON CREST @ EL CERRITO RAMP DETAIL (LOCATION "D")

SCALE: 1" = 10'

WHEELCHAIR RAMP CONSTRUCTION DATA				
NO.	LOCATION	QUAD.	RAMP TYPE	REMARKS
38	GOLDEN & SCHUYLER	E	I	R&R, REPLACE EX. RAMPS WITH S/W PER STD. 325 & CURB PER STD 200, CONSTRUCT NEW RAMP AT MIDDLE OF CURB RETURN
39		W	~~II A + MOD~~	CONSTRUCT NEW RAMP WITH RETAINING CURB AT BACK OF EXISTING S/W AND RAMP WINGS AS NECESSARY TO JOIN EXISTING S/W.
40	VALIANT & COLLEGE	NE	II	
41		NW	II	
42		SE	II	
43		SW	II	
44	MAGNOLIA & PIERCE	N	I	R&R
45		W	I	R&R
46		MED	I	R&R (2) TYPE I RAMPS WITHIN EXISTING MEDIAN NOSE
47		E	I	R&R
48		S	~~I~~ II	CONSTRUCT (2) NEW TYPE II RAMPS ALIGNED WITH EXISTING CROSSWALKS, CONSTRUCT 5' WIDE S/W CONNECTING BEHIND BOTH RAMPS PER STD. 325. CONSTRUCT RAMP CURB DEPRESSIONS WITH EXISTING AC BERM.
49	WICKHAM & INDIANA	SE	II MOD	R&R SPANDREL, DEPRESS LANDING AND RAMP UP BOTH SIDES TO MATCH EXISTING S/W @ 8.33% MAX.
50		SW	II MOD	R&R SPANDREL, DEPRESS LANDING AND RAMP UP BOTH SIDES TO MATCH EXISTING S/W @ 8.33% MAX.
51	ASCOT & NORFOLK	NE	II MOD	PIP STREET LIGHT, DEPRESS LANDING AND RAMP UP BOTH SIDES TO MATCH EXISTING S/W @ 8.33% MAX.
52		SE	II MOD	PIP LANDSCAPING, DEPRESS LANDING AND RAMP UP BOTH SIDES TO MATCH EXISTING S/W @ 8.33% MAX.
53	CAMBRIDGE & NORFOLK	NE	II MOD	PIP SNS & STREET LIGHT, DEPRESS LANDING AND RAMP UP BOTH SIDES TO MATCH EXISTING S/W @ 8.33% MAX.
54		NW	II MOD	DEPRESS LANDING AND RAMP UP BOTH SIDES TO MATCH EXISTING S/W @ 8.33% MAX.
55	WICKHAM & CAMBRIDGE	NE	II MOD	PIP CHAIN LINK FENCE, DEPRESS LANDING AND RAMP UP BOTH SIDES TO MATCH EXISTING S/W @ 8.33% MAX.
56		NW	II MOD	DEPRESS LANDING AND RAMP UP BOTH SIDES TO MATCH EXISTING S/W @ 8.33% MAX.
57		SE	II MOD	PIP CHAIN LINK FENCE, DEPRESS LANDING AND RAMP UP BOTH SIDES TO MATCH EXISTING S/W @ 8.33% MAX.
58		SW	II MOD	PIP CHAIN LINK FENCE, DEPRESS LANDING AND RAMP UP BOTH SIDES TO MATCH EXISTING S/W @ 8.33% MAX.
59	AMHURST & CAMBRIDGE	NE	II MOD	DEPRESS LANDING AND RAMP UP BOTH SIDES TO MATCH EXISTING S/W @ 8.33% MAX.
60		NW	II MOD	PIP SNS & STREET LIGHT, DEPRESS LANDING AND RAMP UP BOTH SIDES TO MATCH EXISTING S/W @ 8.33% MAX.
61	DORSET & DURHAM	NW	II MOD	DEPRESS LANDING AND RAMP UP BOTH SIDES TO MATCH EXISTING S/W @ 8.33% MAX.
62		SE	II-A	
63		SW	II MOD	DEPRESS LANDING AND RAMP UP BOTH SIDES TO MATCH EXISTING S/W @ 8.33% MAX.

R&R = REMOVE AND REPLACE EXISTING IMPROVEMENT
PIP = PROTECT IN PLACE
S/W = SIDEWALK
SNS = STREET NAME SIGN
MED = MEDIAN ISLAND

IMPROVEMENTS LEGEND:

EXISTING PCC SIDEWALK, CURB & GUTTER OR WHEELCHAIR RAMP

NEW PCC SIDEWALK, DRIVEWAY APPROACH OR WHEELCHAIR RAMP

SPECIFIC 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.

PIP XX — PROTECT IN PLACE EXISTING FEATURE.
XX= EXISTING ITEM TO BE PROTECT AS FOLLOWS:
PP=POWER POLE; CB=CATCH BASIN

REL XX — RELOCATE EXISTING IMPROVEMENT.
XX= EXISTING IMPROVEMENT AS FOLLOWS:
TR=TREE (INCLUDES PVC HYDRATION RISER); IRR=IRRIGATION VALVES & SYSTEM AS NECESSARY

REM XX — REMOVE AND DISPOSE OF EXISTING IMPROVEMENT.
XX= EXISTING IMPROVEMENT AS FOLLOWS:
DWY=CONCRETE DRIVEWAY APPROACH; SW=ASPHALT SIDEWALK; PST=PROTECTIVE BOLLARD

ADJ XX — ADJUST EXISTING FACILITY TO GRADE. XX= EXISTING FACILITY AS FOLLOWS:
PB=PULLBOX

SOD — CONTRACTOR SHALL FURNISH/INSTALL SOD FROM PROPOSED DRIVEWAY APPROACH TO EXISTING STAMPED CONCRETE BORDER. CONTRACTOR SHALL MODIFY EXISTING IRRIGATION TO PROVIDE ADEQUATE COVERAGE FOR THE NEW SOD AREA.

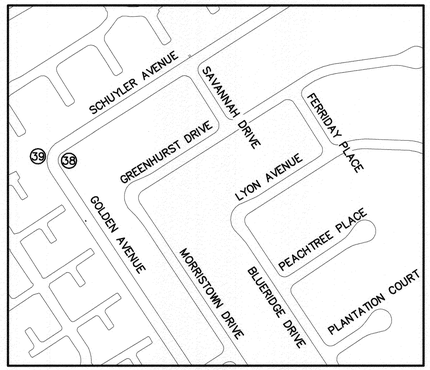
GRD XX — REMOVE ALL EXISTING IMPROVEMENTS AS NECESSARY AND GRADE EXISTING SLOPE PER PLAN AS NOTED:
XX=SLOPE TO BE ACHIEVED

LS — CONTRACTOR SHALL MODIFY/FURNISH/INSTALL LANDSCAPING & IRRIGATION IN KIND TO MATCH EXISTING SHRUBS. MODIFY EXISTING IRRIGATION IN-KIND TO PROVIDE ADEQUATE COVERAGE.

R&R 302 XX — REMOVE AND REPLACE EXISTING DRIVEWAY APPROACH PER CITY STANDARD 302.
XX= TYPE OF DRIVEWAY INDICATED AS FOLLOWS:
PL-I= PROPERTY LINE TYPE I, 5.5' SIDEWALK

325 RMP — CONSTRUCT PCC SIDEWALK PER CITY STANDARD 325.
RMP = WHEELCHAIR RAMP PER PLAN

RAIL — CONTRACTOR SHALL INSTALL NEW ADA COMPLIANT HANDRAILING (BLACK) PER CITY OF RIVERSIDE STANDARD. SEE SPECIAL PROVISIONS FOR INSTALLATION FINISHING.



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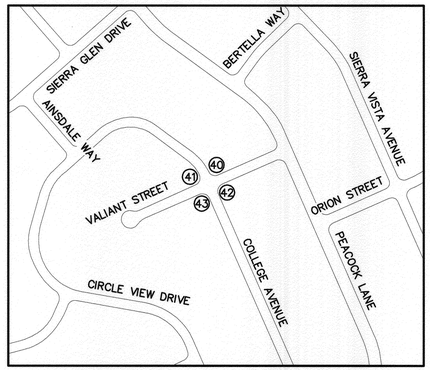

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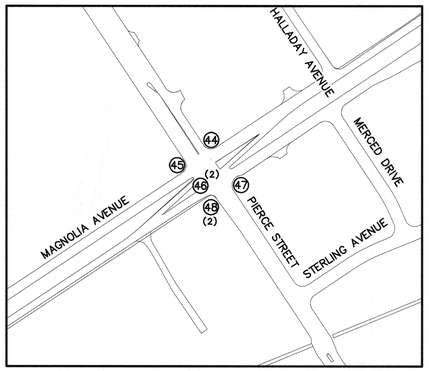

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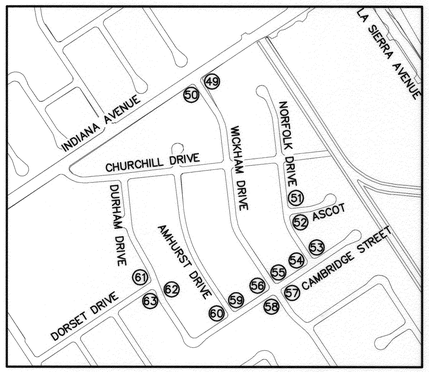

LOCATION "M"

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

CITY OF RIVERSIDE

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DATE February 20, 2013

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MARK	REVISIONS	APPR.	DATE
	AS-BUILT 3-5-14	E.L.	3/6/14

DESIGNED BY DMC DRAWN BY DMC CHECKED BY EL

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
ENGINEERING MANAGER	F.M.	2/20/13
CONSTRUCTION ADMIN.		
TRAFFIC DIVISION	E.W.	2-20-13
STREETS SERVICES		
SURVEY		5/02/13

APPROVED BY
CITY ENGINEER
DATE 2/25/2013

WHEELCHAIR RAMP IMPROVEMENTS
2012/2013
WHEELCHAIR RAMP CONSTRUCTION
PHASE 1
LOCATIONS "J THRU M"
HORIZ. SCALE: N/A VERT. SCALE: N/A

DESIGN WORK ORDER: #1316055
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M-471
SHEET 3 OF 3
FILE NAME: M471-3.DWG

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