LEGENDS & ABBREVIATIONS:

CLF	CHAIN LINK FENCE	R&R	REMOVE AND REPLACE
DWY	DRIVEWAY	SW	SIDEWALK
MB	MAIL BOX	TYP	TYPICAL
PCC	PORTLAND CONCRETE CEMENT		
PP	POWER POLE		

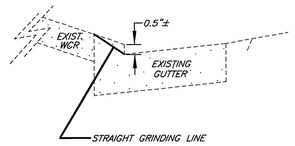
EXISTING PCC PAVEMENT

PROPOSED PCC PAVEMENT (SIDEWALK)

LIMITS OF IMPROVEMENT. (SEE QUANTITY TABLE FOR LIST OF IMPROVEMENTS).

SPECIFIC NOTES:

1. LOCATIONS FOR PAVEMENT REMOVAL AND REPLACEMENT SHALL BE MARKED ON SITE AT THE TIME OF CONSTRUCTION. PAVEMENT REMOVAL THICKNESS, WHICH INCLUDES BASE AND SUB-BASE MATERIALS, SHALL BE A MINIMUM OF 6-INCHES.
2. UNLESS OTHERWISE SPECIFIED, AC DEPTH FOR REMOVAL AND REPLACEMENT SHALL BE A MINIMUM OF 6-INCHES FOR ALL STREETS, EXCLUDING LINCOLN AVENUE WHICH SHALL BE 8-INCHES, AND INCLUDES THE REMOVAL AND PREPERATION OF SUBGRADE.
3. REMOVE AND REPLACE WHEELCHAIR RAMPS INCLUDES CONSTRUCTION OF NEW WHEELCHAIR RAMPS AT LOCATIONS WHERE THERE ARE NO EXISTING RAMPS.
4. AT ANY EXISTING WHEELCHAIR RAMP, WHETHER OR NOT REQUIRING ALTERATION, THE CROSS SLOPE OF THE PAVEMENT ADJACENT TO THE RAMP SHALL NOT EXCEED 5%. WHERE SUCH PAVEMENT CROSS-SLOPE EXCEEDS 5%, CONTRACTOR SHALL COLD-MILL THE EXISTING PAVEMENT TO A MINIMUM ADDITIONAL DEPTH OF 0.08' BELOW THE GUTTER LIP FOR A DISTANCE OF 10' RADIALLY, TO SATISFY THE REQUIRED 5% SLOPE AND PROVIDE SMOOTH TRANSITION TO PAVEMENT IN THE DRIVING LANES.
5. EXISTING STRUCTURES NOT CALLED OUT TO BE REMOVED AND/OR REPLACED SHALL BE PROTECTED IN PLACE.

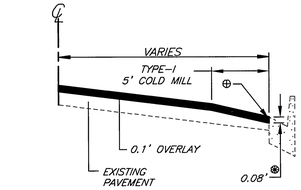


WCR CURB FACE GRINDING DETAIL

QUANTITIES TABLE

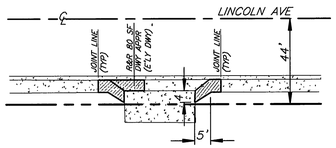
#	STREET NAME	STREET LIMIT	STREET LIMIT	STREET LENGTH (LF)	O.I.T ASPHM-CC OVERLAY (TON)	AC REMOVAL (SY)	AC REPLACE. (TON)	COLD MILLING TYPE I-W=5" LF	COLD MILLING TYPE I-W=10" LF	R&R CURB & GUTTER (LF)	R&R SIDEWALK (SY)	R&R WCR (EA)	GRIND WCR (EA)	R&R DWY APPR (SY)	R&R X-GUTTER/ SPANDREL (SY)	ADJUST SEWER & SD MH (EA)	ADJUST WATER GATE VALVE (EA)	ADJUST CLEANOUT (EA)	F.H. REFLECTIVE MARKER (EA)	R&R SPEED HUMPS/BUMPS (EA)	REPLACE TRAFFIC LOOPS (EA)
1	Railroad Av	Casa Blanca St	Madison St	3,020	1,332	28,262	1,060	5,040	–	68	–	469	3	3	200	–	3	3	1	6	–	–
2	Depot	Railroad Av	Casa Blanca St	160	47	–	–	300	34	–	–	1	2	–	–	–	–	–	–	–	–	–
3	Grace St	Lincoln Av	Evans St	1,580	435	18,904	709	2,700	102	–	359	8	6	200	–	6	5	–	2	–	–	–
4	Cary St	Peters Av	Evans St	480	132	3,283	123	730	68	–	–	3	1	–	–	1	2	1	–	–	–	–
5	Samuel St	Peters Av	Evans St	530	127	7,820	293	–	68	–	75	1	2	–	–	1	2	1	–	–	–	–
6	Emerald St	Grace St	Madison St	1,340	320	959	36	2,580	34	67	40	–	1	200	–	5	4	1	4	–	–	–
7	Emerald St	Madison St	Bunker St	690	165	10,224	383	860	34	32	–	1	–	–	–	2	3	–	–	–	–	–
8	Fern Av	Grace St	Madison St	1,320	364	4,019	151	2,620	34	–	–	3	2	200	–	4	4	–	4	–	–	–
9	Cary St (South)	Lincoln Av	Freda Av	670	185	1,627	61	1,260	–	–	–	–	–	–	–	–	–	–	–	–	–	–
10	Freda Av	Grace St	Madison St	1,320	315	435	16	2,460	34	–	–	4	–	200	–	4	5	–	4	–	–	–
11	Freda Av	Madison St	Bunker St	650	155	2,312	87	700	34	–	–	–	–	–	–	2	4	–	2	–	–	–
12	Evans St	Madison St	Mendoza Wy	2,110	1,159	18,190	682	930	136	138	161	4	4	200	–	10	11	1	6	3	–	–
13	Jacaranda St	Marguerita Av	Evans St	620	159	22,848	857	–	34	64	–	0	0	–	–	2	2	–	2	–	–	–
14	Bunker St	Emerald St	Evans St	1,020	187	4,134	155	1,880	–	32	35	4	3	200	64	1	–	1	–	–	–	–
15	Ysmael Villegas St	Madison St	Esparanza St	1,300	311	10,268	385	2,580	34	46	104	0	0	200	–	4	3	–	2	–	–	–
16	Esparanza St	Alley South	Diamond St	510	178	1,360	51	980	68	–	207	1	–	–	–	1	4	–	4	–	–	–
17	El Sol Wy	Madison St	N. End of St	490	144	2,285	86	910	34	104	–	–	–	–	–	2	4	1	2	–	–	–
18	Santa Rosa Wy	Madison St	N. End of St	490	144	1,240	47	960	34	30	357	–	–	–	–	2	4	1	2	–	–	–
19	Sonora Pl	Lincoln Av	E. End of St	680	200	3,858	145	1,110	–	313	173	2	–	–	–	2	2	–	2	–	–	–
20	Collingwood St	Lincoln Av	Lydia Av	570	168	9,384	352	1,140	–	–	–	5	–	–	122	2	2	–	4	–	–	–
21	Amanda Ct	Collingwood St	N. End of St	210	62	332	12	420	–	–	–	–	–	–	–	1	2	–	–	–	–	–
22	Dorlen St	Lincoln Av	Lydia Av	230	68	10,037	376	460	–	–	–	8	–	–	276	2	3	–	2	–	–	–
23	Lydia Av	Collingwood St	Cadet St	800	235	12,670	475	1,600	–	69	–	–	–	–	–	2	2	–	2	–	–	–
24	Cadet St	Lydia Av	E. End of St	130	38	–	–	260	–	–	–	–	–	–	–	2	2	–	2	–	–	–
25	Fiesta Av	Dorlen St	N. End of St	950	279	18,349	688	1,900	–	69	–	3	–	–	–	3	2	–	4	–	–	–
26	Imperial St	Lincoln Av	Goodview Av	260	76	7,262	272	520	–	–	–	–	–	–	–	–	1	–	2	–	–	–
27	Goodview Av	Imperial St	Washington St	560	165	680	26	1,100	34	–	–	–	2	–	–	2	3	1	4	–	–	–
28	Goodview Av	Washington St	N. End of St	1,240	365	11,666	437	2,460	34	46	127	3	2	200	–	5	4	–	4	–	–	–
29	Coolidge Av	Washington St	Mary St	1,340	295	30,845	1,157	–	68	265	–	2	1	200	–	4	3	–	4	–	–	–
30	Miami St	Marguerita Av	N. End of St	1,010	297	2,492	93	2,020	34	–	–	5	3	200	–	3	4	–	2	–	–	–
31	Bethesda Dr	Miami St	Manhattan Dr	230	68	–	–	460	–	–	–	–	–	–	–	–	2	–	–	–	–	–
32	Manhattan Dr	Washington St	Nova Scotia Dr	1,010	297	41,344	1,550	2,000	34	–	207	2	4	200	–	3	2	–	6	–	–	–
33	Nova Scotia Dr	Manhattan Dr	New York Dr	520	153	6,283	236	820	–	–	–	0	0	–	–	2	2	–	2	–	–	–
34	New Mexico Dr	Washington St	N. End of St	740	218	743	28	1,460	34	–	28	6	2	–	–	3	3	–	4	–	–	–
35	Tennessee Ct	New Mexico Dr	E. End of St	490	144	–	–	980	–	12	566	–	–	167	–	2	3	–	2	–	–	–
36	Louisiana Pl	New Mexico Dr	E. End of St	490	144	–	–	980	–	–	–	0	0	–	–	2	3	–	–	–	–	–
37	New York Dr	Louisiana Pl	Nova Scotia Dr	440	129	–	–	880	–	–	–	3	4	–	–	2	3	–	2	–	–	–
38	Wisconsin Ct	New York Dr	E. End of St	210	62	–	–	420	–	–	–	–	–	–	–	1	2	–	–	–	–	–
39	Mc Kinley St	Lincoln Av	Goodview Av	520	153	–	–	628	–	–	–	8	–	–	–	1	2	–	2	–	–	–
40	Rainbow Ct	Mc Kinley St	N. End of St	370	79	–	–	540	–	104	90	–	–	–	–	1	2	–	2	–	–	–
41	Monument Dr	Lincoln Av	Goodview Av	520	153	–	–	1,040	–	–	–	3	2	–	–	2	1	–	–	–	–	–
42	Viking Ct	Monument Dr	N. End of St	460	135	–	–	920	–	58	50	–	–	–	–	2	2	–	2	–	–	–
*43	Lincoln Av	Jefferson St	Mary St	6,720	3,590	17,000	980	13,400	380	127	110	2	7	400	518	36	39	–	22	–	–	24
44	Dorlen St	Lincoln Av	N. End of St.	340	69	21,542	792	340	22	0	0	1	–	–	–	–	–	–	–	–	–	–
			TOTAL	39,240	13,500	333,650	12,800	65,350	1,500	1,600	3,200	86	51	2,800	980	134	156	9	116	3	24	

*NOTE: THE THICKNESS OF AC PAVEMENT REPLACEMENT SHALL BE AT A MIN 8".

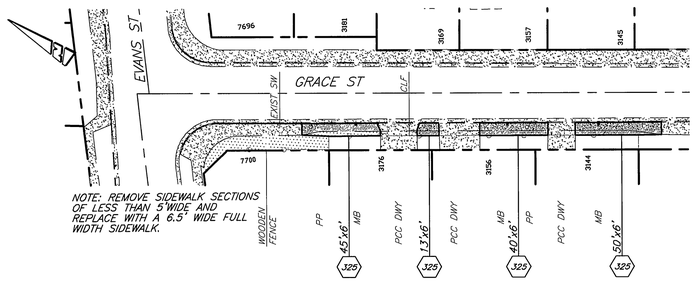


CM 1-5 PAVING & COLD MILLING DETAIL
N.T.S.

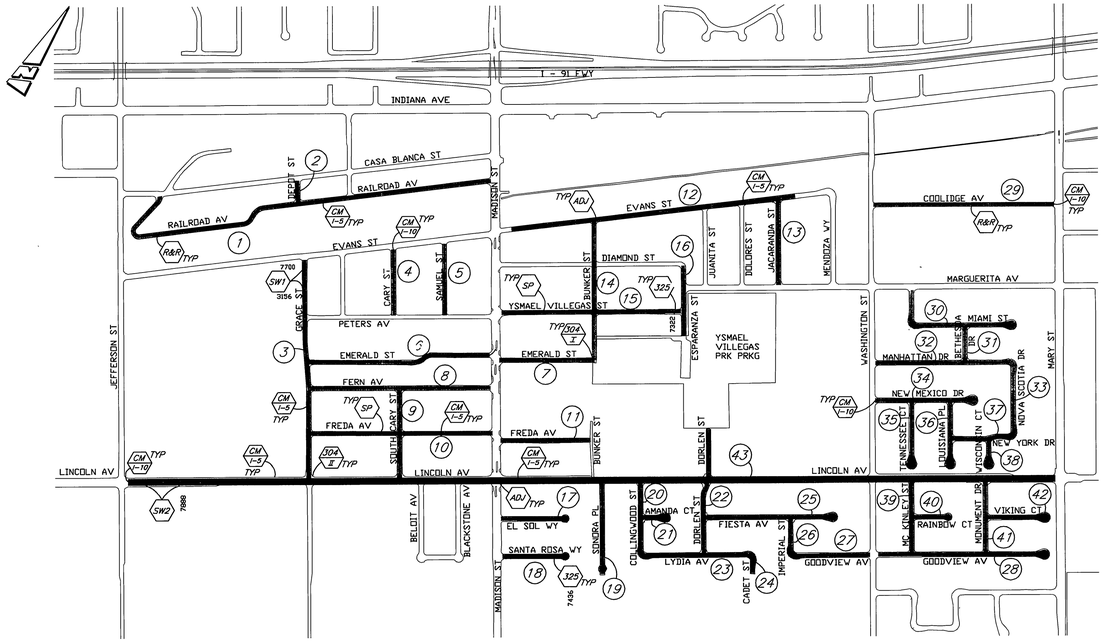
⊕: ASPHALT RUBBER HOT MIX SHALL BE ROLLED TO WITHIN + 1/4" TO FLUSH WITH THE GUTTER LIP.



SW2 SIDEWALK TRANSITION TO DRIVEWAY
N.T.S.



SW1 ADDITIONAL SIDEWALK FOR CLEARANCE
1" = 40'



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. ANY NUMBER SHOWN BELOW THE STANDARD DRAWING NUMBER INDICATES THE SPECIFIC ALTERNATE TO BE CONSTRUCTED.
- CM I-5: COLD MILLING TYPE-I, (5'-WIDE) MEASURED FROM THE GUTTER LIP ON BOTH SIDES OF EACH ROADWAY AND ENTIRE EDGE OF CUL-DE-SAC.
- CM I-10: COLD MILLING TYPE-I, (10'-WIDE) MEASURED FROM THE LONGITUDINAL END JOINT LINE OF PAVEMENT.
- SP: SKIN-PATCH: GRIND 10'x10' AREA OF THE EXISTING SKIN-PATCH SECTION ON FREDA AVE. AND YSMAEL VILLIGAS ST. TO EXPOSE THE EXISTING STRUCTURAL SECTION FOR ASSESSMENT. COLD MILLING OF ADDITIONAL SKIN-PATCH AREA TO BE DETERMINED BY THE ENGINEER AT THE TIME OF CONSTRUCTION.
- SW1: CONSTRUCT SIDEWALK TO ALLOW FOR A MINIMUM OF 36" CLEARANCE BEHIND POLES AND/OR OTHER EXISTING OBSTRUCTIONS PER STANDARD DRAWING 325. ADDRESSES PER PLAN (SEE DETAIL SW1).
- SW2: CONSTRUCT SMOOTH TRANSITION OF SIDEWALK TO THE BACK OF THE DRIVEWAY APPROACH ON BOTH SIDES OF THE DRIVEWAY PER STDANDARD DRAWING 325. ADJUST AND/OR REPLACE IRRIGATION SYSTEM AND LANDSCAPING AS NECESSARY TO COMPLY WITH NEW IMPROVEMENT. LOCATIONS ARE SHOWN ON THIS PLAN (SEE DETAIL SW2).
- ADJ: ADJUST EXISTING MANHOLES, CLEANOUTS, ELECTRIC VAULTS AND GATE VALVE COVERS TO GRADE PER SPECIAL PROVISION.
- 325: CONSTRUCT PCC SIDEWALK PER CITY STANDARD DWG 325 (SEE SPECIAL PROVISIONS). ADJUST IRRIGATION SYSTEM AND WATER METER BOXES AS NECESSARY TO MATCH NEW CONDITIONS.
- R&R: REMOVE AND REPLACE EXISTING IMPROVEMENTS AS STATED ON THE QUANTITIES TABLE AND IN THE SPECIAL PROVISIONS.
- 302 C-7: CONSTRUCT PCC DRIVEWAY APPROACH PER CITY STANDARD DRAWING 302. (SEE SPECIAL PROVISIONS).
- 304 II: CONSTRUCT PCC WHEELCHAIR RAMP PER CITY STANDARD DWG 304. TYPE AND LOCATION OF RAMP MAY CHANGE DURING CONSTRUCTION TO FIT SITE CONDITION AS DIRECTED BY THE ENGINEER.

GENERAL NOTES:

1. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE DEPARTMENT OF PUBLIC WORKS STANDARD DRAWINGS AND THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" 2006 EDITION.
2. 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.
3. WHERE NEW PAVEMENT IS TO JOIN THE EXISTING PAVEMENT, THE EDGE OF THE EXISTING PAVEMENT SHALL BE TRIMMED IN A SMOOTH AND STRAIGHT LINE, MATCH-UP PAVING AS DIRECTED IN THE FIELD TO PRODUCE SMOOTH TRANSITION.
4. SURVEY STAKING REQUEST AND GRADE SHEETS ARE REQUIRED FOR THE REPLACEMENT OF ALL CURBS AND/OR GUTTER OVER 50' IN LENGTH. SURVEY REQUESTS SHALL BE SUBMITTED BEFORE THE EXISTING IMPROVEMENTS HAVE BEEN REMOVED. CONTRACTOR SHALL ALLOW 4 WORKING DAYS AFTER REQUESTING SURVEY TO SCHEDULE SURVEY AND PROCESS GRADE SHEETS. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL FOR ALL REQUIRED CONSTRUCTION SURVEY WORK BY THE CITY PERSONNEL.
5. THIS PROJECT INVLOVES CONSTRUCTION AND/OR RECONSTRUCTION OF WHEELCHAIR RAMPS. RAMP MAY REQUIRE THE CONSTRUCTION AND/OR REMOVAL AND REPLACEMENT OF APPROXIMATELY: 150 SF OF RAMP AREA; 50 TO 100 SF OF SIDEWALK; 30 LF OF CURB AND GUTTER, 30 LF OF RETAINING CURB; 200 SF OF ASPHALT CONCRETE PAVEMENT TO PROVIDE BOTTOM LANDING CROSS-FALL OF LESS THAN 5%. THESE QUANTITIES ARE APPROXIMATE AND MAY CHANGE ACCORDING TO EACH RAMP TYPE AND SITE CONDITIONS. RAMPS SHALL BE CONSTRUCTED PER CITY STANDARDS, ADA REQUIREMENTS AND AS DIRECTED BY THE ENGINEER. AREAS FOR REMOVAL SHALL BE MARKED BY THE CONTRACTOR AND REVIEWED BY THE CITY INSPECTOR AT THE TIME OF CONSTRUCTION. ALL REMOVALS SHALL BE TO THE NEAREST JOINT AND SHALL NOT LEAVE ANY FLOATER SECTONS OF 5' WIDE OR LESS.

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ENGINEER IN RESPONSIBLE CHARGE
IBRAHIM A. MASSOUD
R.C.E. No. 64224 expires 6/30/09
DATE 5-14-09

REGISTERED PROFESSIONAL ENGINEER
IBRAHIM A. MASSOUD
No. 64224
Exp. 6-30-2009
CIVIL
STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: JUE DRAWN BY: JUE/EV CHECKED BY: ADE

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
ENGINEERING MANAGER		
STREET SERVICES		
SURVEYOR		
TRAFFIC DIVISION		
CONST. CONT. ADMIN.		

APPROVED BY: CITY ENGINEER
DATE:

2008-09 CASA BLANCA NEIGHBORHOOD STREETS REHABILITATION

HORIZ. SCALE: NTS

W.O. DESIGN: 0906421
W.O. CONST: 0908246

R-4118

SHEET 1 OF 1

FILE NO.