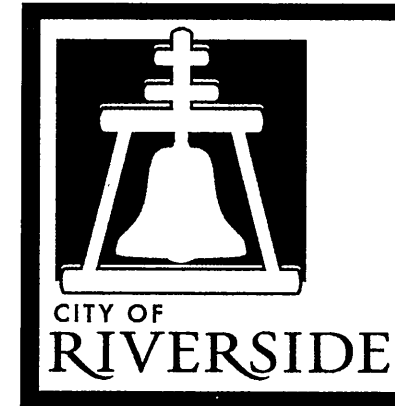


RIVERSIDE



CALIFORNIA

PUBLIC WORKS DEPARTMENT

2010-2011 MINOR STREET REHABILITATION - PHASE 2

GENERAL NOTES:

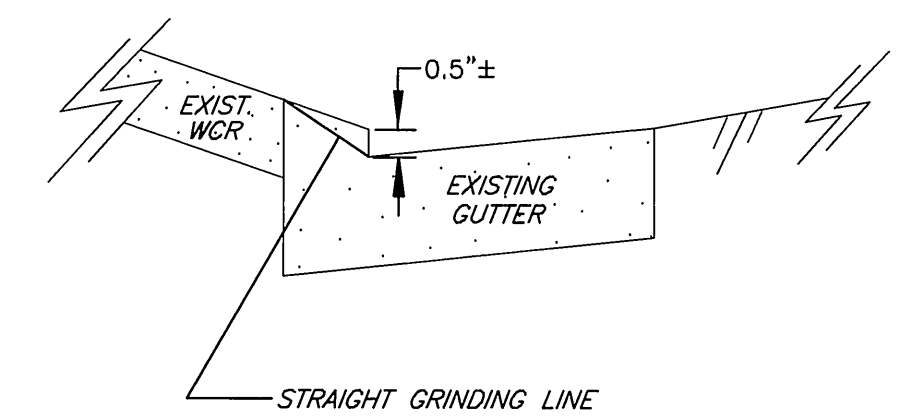
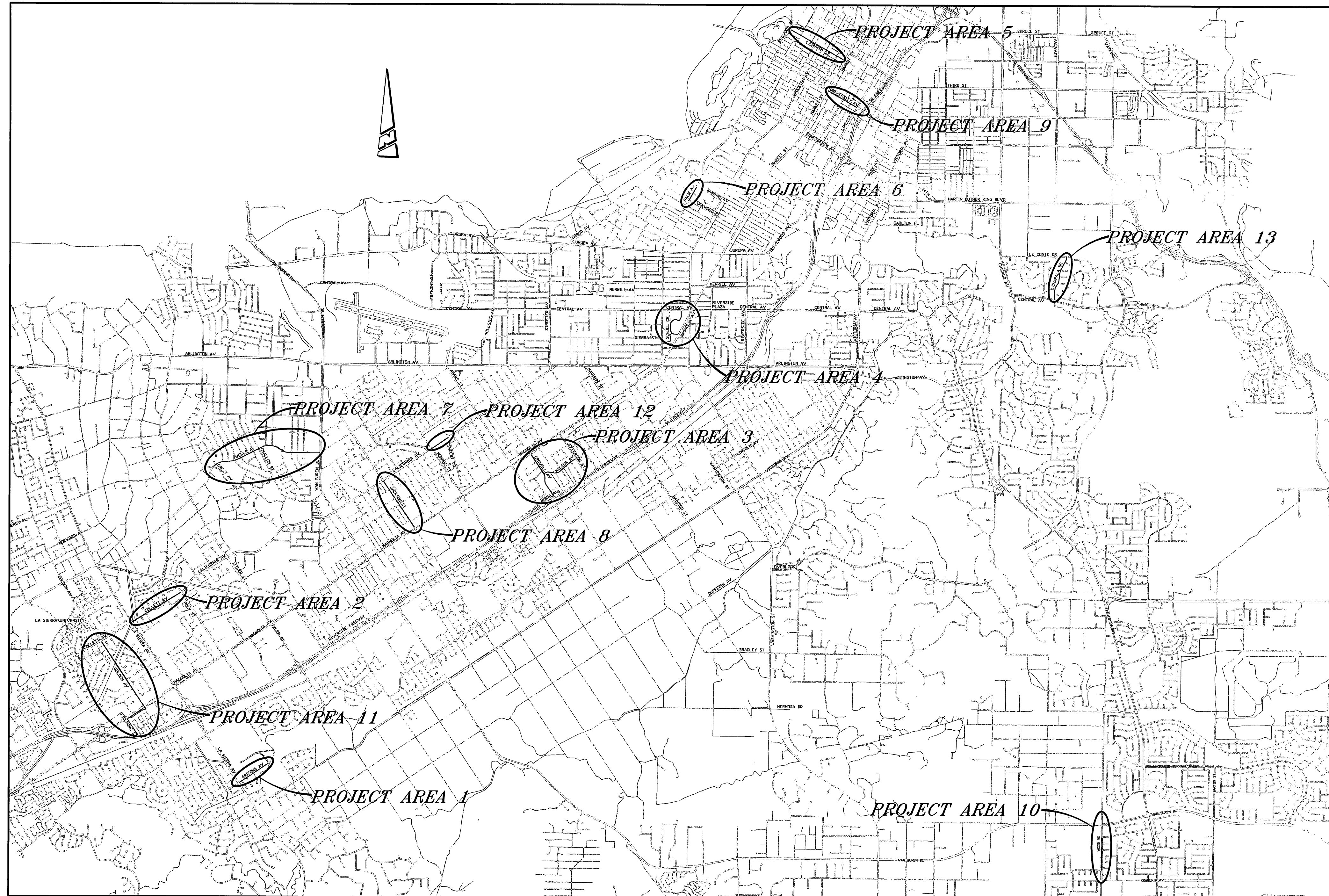
- PRIME CONTRACTOR BIDDING THIS PROJECT SHALL HAVE A CLASS "A" OR CLASS "C-12" LICENSE.
- CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE DEPARTMENT OF PUBLIC WORKS, STANDARD DRAWINGS AND THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION", 2009 EDITION.
- THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO LOCATE AND PROTECT ALL UTILITIES WITHIN THE CONSTRUCTION WORK AREAS. MHS & WATER VALVES SHALL BE "TIED OUT" PRIOR TO PAVEMENT OVERLAY WORK FOR SUBSEQUENT ADJUSTMENT WORK.
- 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.
- IN PAVEMENT OVERLAY AREAS, ANY DISTRESSED EXISTING PAVEMENT SHALL BE REMOVED AND REPLACED AS DIRECTED BY THE INSPECTOR AFTER COLD-MILLING AND PRIOR TO OVERLAYING WITH ARHM-GG PAVING.
- 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.
- STREET IMPROVEMENT WORK THAT WILL CAUSE DAMAGE TO THE DETECTOR LOOPS SHALL NOT BE PERFORMED UNTIL TRAFFIC SIGNAL MAINTENANCE PERSONNEL HAVE BEEN NOTIFIED AND THE NECESSARY TIMING ADJUSTMENTS ARE MADE TO MAINTAIN SIGNAL OPERATION.
- THE CONTRACTOR IS RESPONSIBLE FOR THE FINAL STRIPING AND PAVEMENT MARKING. STRIPING AND PAVING WORK SHALL BE COMPLETED PER PLANS, CITY STANDARDS AND SPECIAL PROVISIONS.
- SURVEY STAKING REQUESTS AND GRADE SHEETS ARE REQUIRED FOR THE REPLACEMENT OF ALL CURBS AND/OR GUTTER OVER 50' IN LENGTH. SURVEY REQUESTS SHALL BE SUBMITTED AFTER 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 CITY PERSONNEL. NO STAKING WILL BE REQUIRED FOR SIDEWALK, DWY APPROACHES AND WHEELCHAIR RAMP CONSTRUCTION.
- CONTRACTOR MAY USE SINGLE/DOUBLE ADJUSTMENT OR RAMP-UP OPTION FOR MANHOLES AND VALVE COVERS WITHIN THE COLD MILLING AND/OR PAVEMENT REPLACEMENT LIMITS. RAMP-UP OPTION SHALL HAVE SMOOTH FINISH AND SAFE TRANSITION AROUND THE CIRCUMFERENCE OF THE STRUCTURE. RAMP-UP WORK SHALL BE ACCEPTED BY THE INSPECTOR BEFORE ROAD IS OPENED TO TRAFFIC. PAVING MATERIALS USED FOR RAMP-UP SHALL BE REMOVED COMPLETELY BEFORE OVERLAY/PAVING OPERATION TAKES PLACE.
- THE INSPECTOR MAY DIRECT COLD-MILLING AND PAVING INTO SIDE STREETS TO IMPROVE THE RIDE QUALITY AND OTHER STREET CONDITIONS.
- WATER VALVES AND FIRE HYDRANTS MUST BE LOCATED DURING CONSTRUCTION TO MAKE VALVE BOX AND COVER ADJUSTMENTS AND FIRE HYDRANT BLUE MARKER INSTALLATIONS. THE VALVE BOXES MUST BE "TIED OUT" AS PART OF THE CONTRACTOR'S WORK.
- PAVEMENT PREPARATION SHALL CONSIST OF REMOVAL AND REPLACEMENT (R&R) OF DETERIORATED PAVEMENT AREAS AS MARKED IN THE FIELD AND DIRECTED BY THE INSPECTOR AT THE TIME OF CONSTRUCTION. QUANTITIES SHOWN ARE APPROXIMATE AND BASED UPON ALL PREMARKED REMOVAL AND REPLACEMENT SECTIONS. STREETS DESIGNATED FOR COLD MILLING AND PAVEMENT REMOVAL AND REPLACEMENT SHALL BE DONE AFTER COLD MILLING IS COMPLETED.
- THE SEAM BETWEEN PASSES OF THE AC OVERLAY SHALL BE MADE, AS CLOSE AS POSSIBLE, TO THE LANE LINES.
- COLD MILLING TYPE I AND TYPE II SHALL BE AS DIRECTED BY THE ENGINEER AND AS DESCRIBED IN SPECIAL PROVISIONS.
- THIS PROJECT HAS APPROXIMATELY 82 NEW AND RECONSTRUCTED WHEELCHAIR RAMPS. MOST RAMPS REQUIRE THE REMOVAL AND REPLACEMENT OF APPROXIMATELY 100 TO 150 SF OF RAMP AREA, 50 TO 100 SF OF SIDEWALK, 30 LF OF CURB AND GUTTER, 30 LF OF NEW RETAINING CURB. SOME RAMPS MAY REQUIRE APPROXIMATELY 200 SF OF ASPHALT CONCRETE PAVEMENT REMOVAL AND REPLACEMENT FOR CROSS-FALL. 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 ACCEPTED BY THE CITY ENGINEER AT THE TIME OF CONSTRUCTION. FOR LIST OF RAMP LOCATIONS AND TYPES, SEE SPECIAL PROVISIONS.

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.

SPECIFIC NOTES:

- CONTRACTOR SHALL REPLACE EXISTING STRIPING AND MARKINGS AFTER OVERLAY TO THE ORIGINAL CONFIGURATIONS, UNLESS THERE IS A SIGNING & STRIPING PLAN, IN ACCORDANCE WITH SPECIAL PROVISIONS.
- EXCEPT FOR STREETS WHICH ARE TO BE SLURRY SEALED, OVERLAY ENTIRE ROAD WIDTH OF ALL MINOR STREETS WITH 0.10' OF ASPHALT RUBBER HOT MIX GAP GRADED AND 0.15' FOR UNIVERSITY AVE. (ENTIRE SECTION OF UNIVERSITY AVE. SHALL BE COLD-MILLED FOR A DEPTH OF 0.15' PRIOR TO OVERLAYING AND PRIOR TO REMOVAL & REPLACEMENT OF DAMAGED A.C. PAVEMENT).
- FOR PROPERTIES WITH AC DRIVEWAY APPROACH, AC PAVEMENT OVERLAY SHALL BE EXTENDED TO MATCH EXISTING DRIVEWAYS OR TO PROPERTY LINE WITHOUT ADVERSE IMPACT TO THE EXISTING FLOWLINE.
- IF COLD-MILLING IS NOT POSSIBLE AT AREAS ADJACENT TO AN AC BERM, THE BERM'S HEIGHT SHALL BE RAISED AFTER OVERLAY TO MAINTAIN ITS ORIGINAL HEIGHT AND RUNOFF FLOW ALONG THE BERM.
- ADEQUATE FLOW LINES SHALL BE MAINTAINED AT ALL LOCATIONS.
- FOR WHEELCHAIR RAMPS AT LOCATIONS WHERE SIDEWALK IS LESS THAN 6 FEET WIDE, CONTRACTOR SHALL INSTALL THE SPECIFIED CITY STANDARD WHEELCHAIR RAMP AND TRANSITION THE ASSOCIATED SIDEWALK TO MATCH EXISTING.
- LOCATIONS FOR DIGOUTS SHALL BE MARKED ON SITE AT THE TIME OF CONSTRUCTION AND AFTER COLD-MILLING OPERATIONS HAVE BEEN COMPLETED, WHERE REQUIRED.
- PAVEMENT STRUCTURAL SECTIONS FOR R&R AREAS ON ALL STREETS ARE SHOWN IN TABLES ON SHEETS 2 AND 3 OF THIS SET.
- AT THE EXISTING WHEELCHAIR RAMPS WHETHER OR NOT REQUIRE ALTERATION, THE CROSS SLOPE OF THE PAVEMENT ADJACENT TO THE RAMP SHALL NOT EXCEED 5% FOR ANY RAMP. WHERE SUCH PAVEMENT CROSS-SLOPE EXCEEDS 5%, CONTRACTOR SHALL COLD-MILL THE EXISTING PAVEMENT TO A DEPTH OF AN ADDITIONAL 0.10' BELOW THE GUTTER LIP TO A DISTANCE OF 7' RADIALLY, TO SATISFY THE REQUIRED 5% SLOPE AND PROVIDE SMOOTH TRANSITION TO PAVEMENT IN THE DRIVING LANES.
- DURING THE CONSTRUCTION WORK, ALL SEWER, STORM DRAIN & UTILITY MANHOLES AND WATER GATE VALVES SHALL BE RAMPED UP OR DOUBLE ADJUSTED TO FACILITATE THE COLD-MILLING AND PAVING OPERATIONS. FOLLOWING THE CONSTRUCTION OF ARHM-GG AC FINAL FINISH SURFACE, ALL MANHOLES AND GATE VALVE COVERS SHALL BE ADJUSTED TO GRADE AS NEEDED.

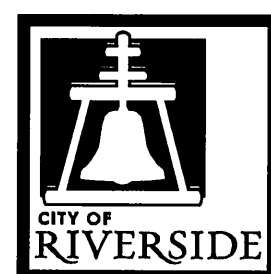


WCR CURB FACE GRINDING DETAIL (NTS)

SHEET INDEX:

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	AREA 1 TO AREA 10
3	AREA 11 TO AREA 13

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



ENGINEER IN RESPONSIBLE CHARGE
Name: *Ramirez*
R.C.E. No. 44747 EXPIRES: 3-31-12
DATE: 2/1/2011



MARK	REVISIONS	APPR.	DATE

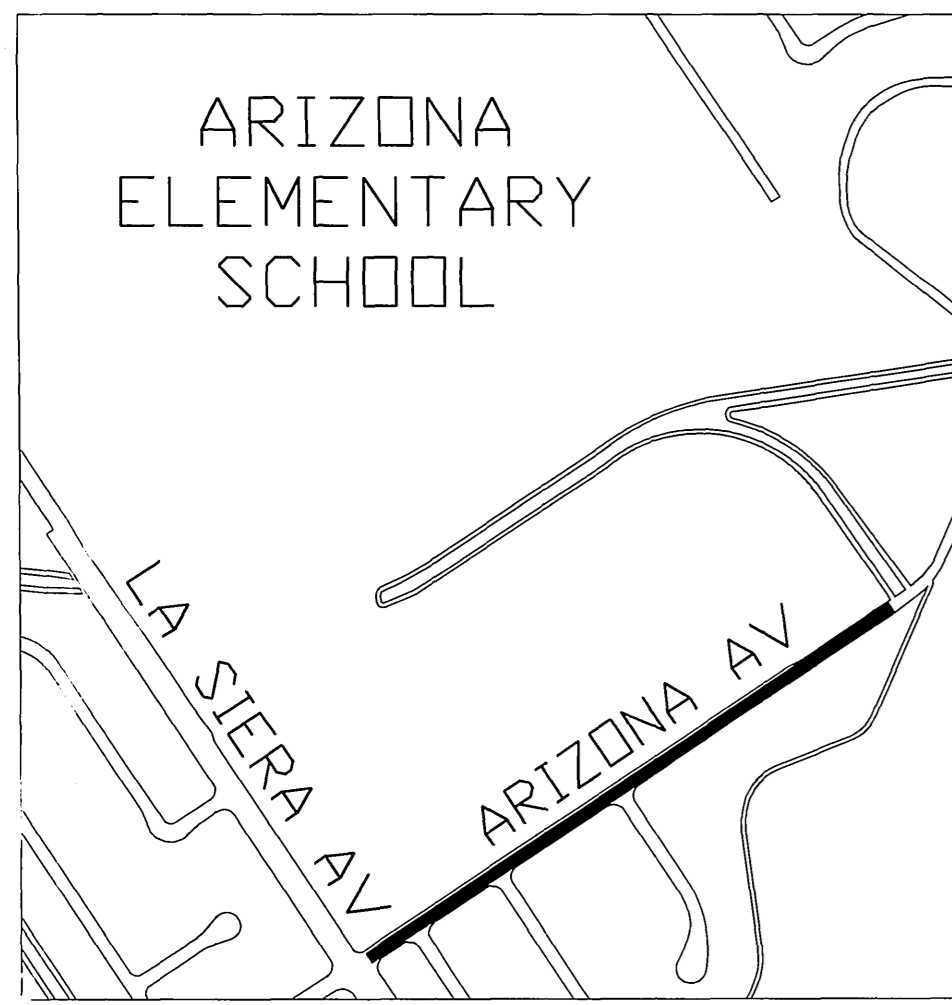
CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS			
APPROVED BY	BY	DATE	APPROVED BY
ENGINEERING MANAGER	PLH	2/1/11	<i>[Signature]</i>
CONSTRUCTION ADMIN.	AG	2/2/11	CITY ENGINEER
TRAFFIC DIVISION	R	2/1/11	DATE: 2/2/11
STREETS SERVICES	CS	2/1/11	
SURVEY			

STREET IMPROVEMENTS		R-4194
2010-2011 MINOR STREET REHABILITATION PHASE 2		
SCALE: N.T.S.	SHEET 1 OF 3	CONSTRUCTION WO#

QUANTITIES TABLE

#	STREET NAME	STREET LIMIT	STREET LIMIT	STREET LENGTH (LF)	STREET AREA (SF)	AC REMOVAL (SF)	DGAC REPLACEMENT (TON)	SLURRY SEAL (SF)	ARHM-OS OVERLAY (TON)	AGGREGATE BASE (CY)	WCR (EA)	WCR GRIND (EA)	R&R CURB & GUTTER 6" (LF)	R&R CURB & GUTTER 7" (LF)	R&R CURB & GUTTER 8" (LF)	R&R CURB & GUTTER 9" (LF)	R&R CURB & GUTTER 10" (LF)	RETAINING CURB 6"-18" (LF)	R&R SIDEWALK (SF)	R&R DOW APP (SF)	R&R X-GUTTER (SF)	COLDMILL TYPE I 5" WIDE (LF)	COLDMILL TYPE II 10" WIDE (LF)	UNIFORM COLDMILL 0.10" (SF)	UNIFORM COLDMILL 0.15" (SF)	UNIFORM COLDMILL 0.20" (SF)	AC BERM (LF)	REDWOOD HEADER (LF)	ADJ SEWER & S.D. MANHOLE (EA)	ADJ SEWER CLEANOUT (EA)	ADJ VALVES (EA)	ADJ WATER 80" (EA)	ADJ TRAFFIC PULLBOX (EA)	*BUS PAD (SF)	COMMENTS		
1	Arizona Av	La Sierra	End	1,375	46,000	15,200	455	-	380	-	6	-	100	-	-	-	-	-	500	-	-	2,100	450	-	-	-	-	700	4	-	3	-	-	-	-	OVERLAY 0.10'. NEW SECTION FOR R&R AREAS TO BE 0.10' ARHM OVER 0.40' DGAC OVER EXISTING BASE.	
2	Collett St	La Sierra	Polk	2,655	165,000	9,400	635	-	1,450	700	5	4	-	250	-	-	-	-	2,200	-	-	5,400	8,600	-	-	-	-	20	-	10	-	-	-	-	-	OVERLAY 0.10'. NEW SECTION FOR R&R AREAS TO BE 0.10' ARHM OVER 0.90' DGAC OVER EXISTING BASE. 24" OF NEW BASE MATERIAL TO BE USED FOR R&R IF SOIL IS SATURATED.	
3	Crowell Av	Magnolia	Diana	2,375	76,600	40,800	1,225	-	630	-	5	-	350	-	-	-	45	-	800	800	1,600	6,600	650	-	-	-	-	-	10	7	5	-	-	-	-	OVERLAY 0.10'. NEW SECTION FOR R&R AREAS TO BE 0.10' ARHM OVER 0.40' DGAC OVER EXISTING BASE.	
4	Helena Av	Crowell	Jefferson	1,770	56,800	18,800	565	-	500	-	2	-	350	-	-	-	-	-	1,250	150	-	3,500	2,100	-	-	-	-	-	9	-	4	-	-	-	-	OVERLAY 0.10'. NEW SECTION FOR R&R AREAS TO BE 0.10' ARHM OVER 0.40' DGAC OVER EXISTING BASE. STREET AREA INCLUDES CAROLINE CT.	
5	School Cr	Central	Magnolia	1,830	59,300	27,200	1,430	-	500	-	6	-	150	-	-	-	-	-	400	-	-	3,500	2,100	-	-	3,600	500	200	9	-	7	1	1	-	-	OVERLAY 0.10'. NEW SECTION FOR R&R AREAS TO BE 0.10' ARHM OVER 0.70' DGAC OVER EXISTING BASE. UNIFORM COLDMILL AREA TO BE IDENTIFIED IN FIELD.	
6	Fourth St	Market	Redwood	2,965	93,600	30,800	1,620	-	800	-	9	1	-	250	300	200	300	-	115	2,700	600	130	6,400	2,100	-	-	22,000	-	-	11	-	17	-	-	-	OVERLAY 0.10'. NEW SECTION FOR R&R AREAS TO BE 0.10' ARHM OVER 0.70' DGAC OVER EXISTING BASE. UNIFORM COLDMILL AREA TO BE IDENTIFIED IN FIELD. GUTTERS ARE 33".	
7	Palms Av	Oakwood	Bandini	785	26,700	1,500	80	-	250	-	-	-	100	-	-	-	-	-	-	-	-	1,400	3,300	-	-	-	-	-	9	-	7	-	-	-	-	OVERLAY 0.10'. NEW SECTION FOR R&R AREAS TO BE 0.10' ARHM OVER 0.70' DGAC OVER EXISTING BASE.	
8	Wells Av	Crest	Van Buren	5,520	340,000	39,200	1,180	-	2,800	2,800	33	2	300	-	-	-	-	-	40	2,750	250	1,100	-	-	340,000	-	-	-	20	6	60	-	-	-	-	OVERLAY 0.10'. NEW SECTION FOR R&R AREAS TO BE 0.10' ARHM OVER 0.40' DGAC OVER EXISTING BASE. COLDMILL ENTIRE STREET 0.10'.	
9	Jackson St	Magnolia	California	2,680	162,500	18,800	1,130	-	1,350	-	9	-	350	-	-	-	-	-	1,200	950	1,700	5,000	5,400	-	-	-	-	-	17	-	17	1	1	-	-	OVERLAY 0.10'. NEW SECTION FOR R&R AREAS TO BE 0.10' ARHM OVER 0.80' DGAC OVER EXISTING BASE. 24" OF NEW BASE MATERIAL TO BE USED FOR R&R IF SOIL IS SATURATED.	
10	University Av	Market	Lime	1,580	90,200	14,400	400	-	1,150	-	-	-	-	-	-	-	-	-	3,500	-	-	-	-	-	90,200	-	-	-	-	-	-	-	-	2,100	-	-	OVERLAY 0.15'. NEW SECTION FOR R&R AREAS TO BE 0.15' ARHM OVER 0.35' DGAC OVER EXISTING MACADAM. COLDMILL ENTIRE STREET 0.15'.
11	Wood St	250' North Of Van Buren Blvd	Alderbrook	3,700	153,000	21,400	1,125	153,000	160	-	1	-	150	-	-	-	-	-	-	600	-	-	-	2,000	-	-	-	-	-	-	-	-	-	-	-	-	NEW SECTION FOR R&R AREAS TO BE 0.10' ARHM OVER 0.70' DGAC OVER EXISTING BASE. SLURRY SEAL ENTIRE STREET.

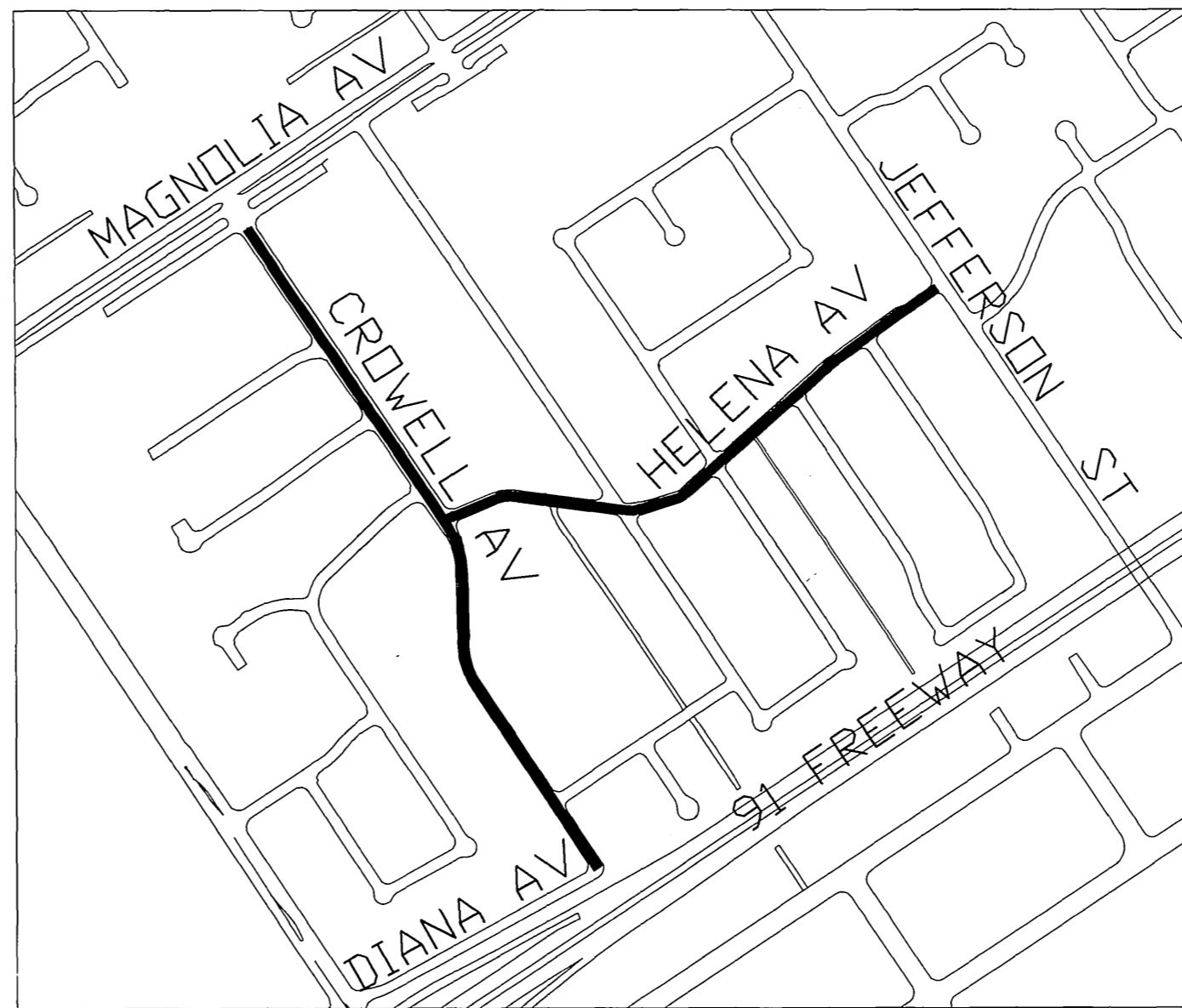
*EXACT LOCATIONS OF PROPOSED BUS PADS SHALL BE IDENTIFIED IN THE FIELD BY ENGINEER. THE PROPOSED BUS PAD AT UNIVERSITY AVENUE AND LEMON STREET SHALL USE THE BUS PAD DETAIL "B" TO PROTECT EXISTING HISTORIC GRANITE CURB.



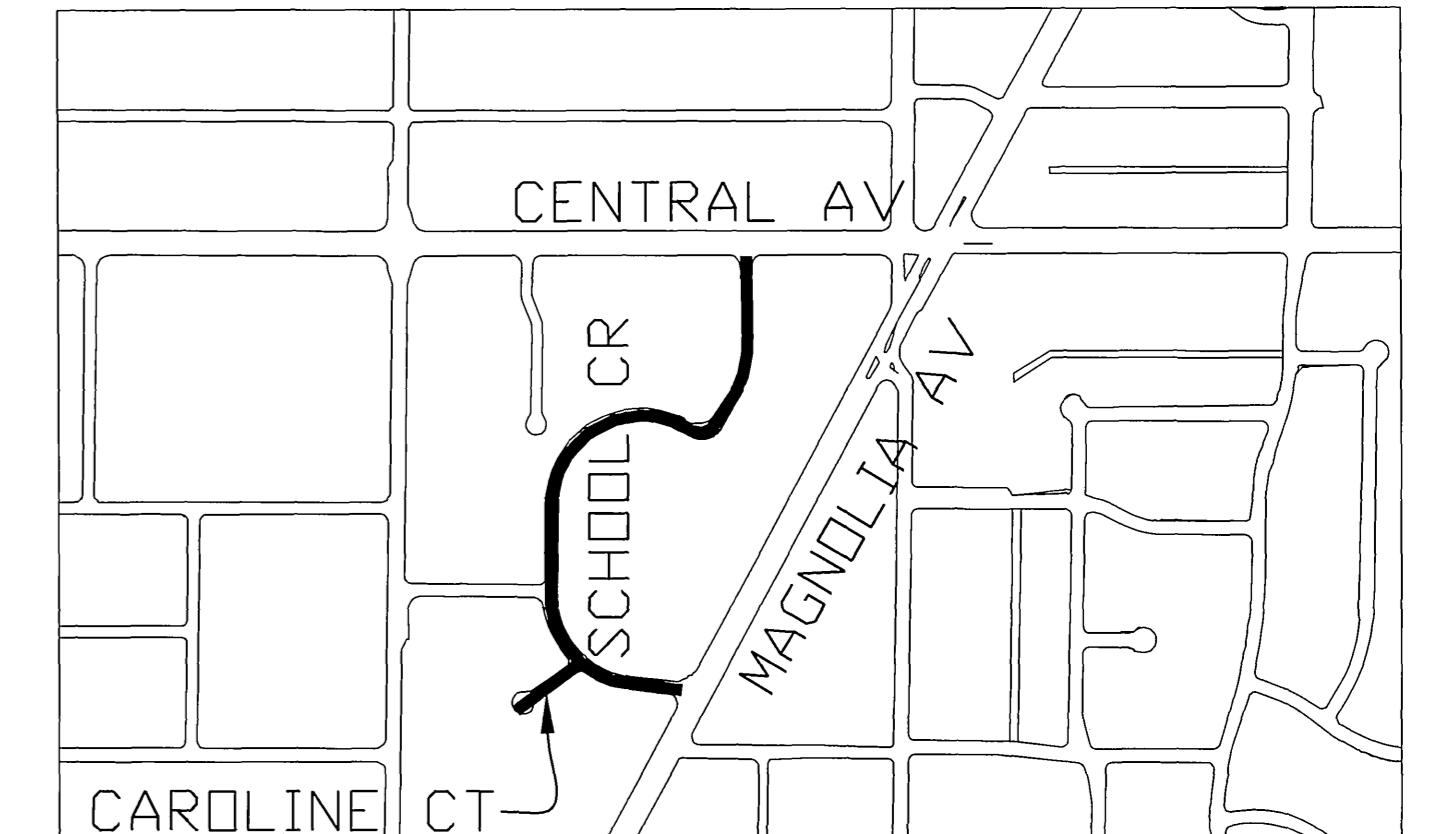
AREA 1



AREA 2



AREA 3



AREA 4



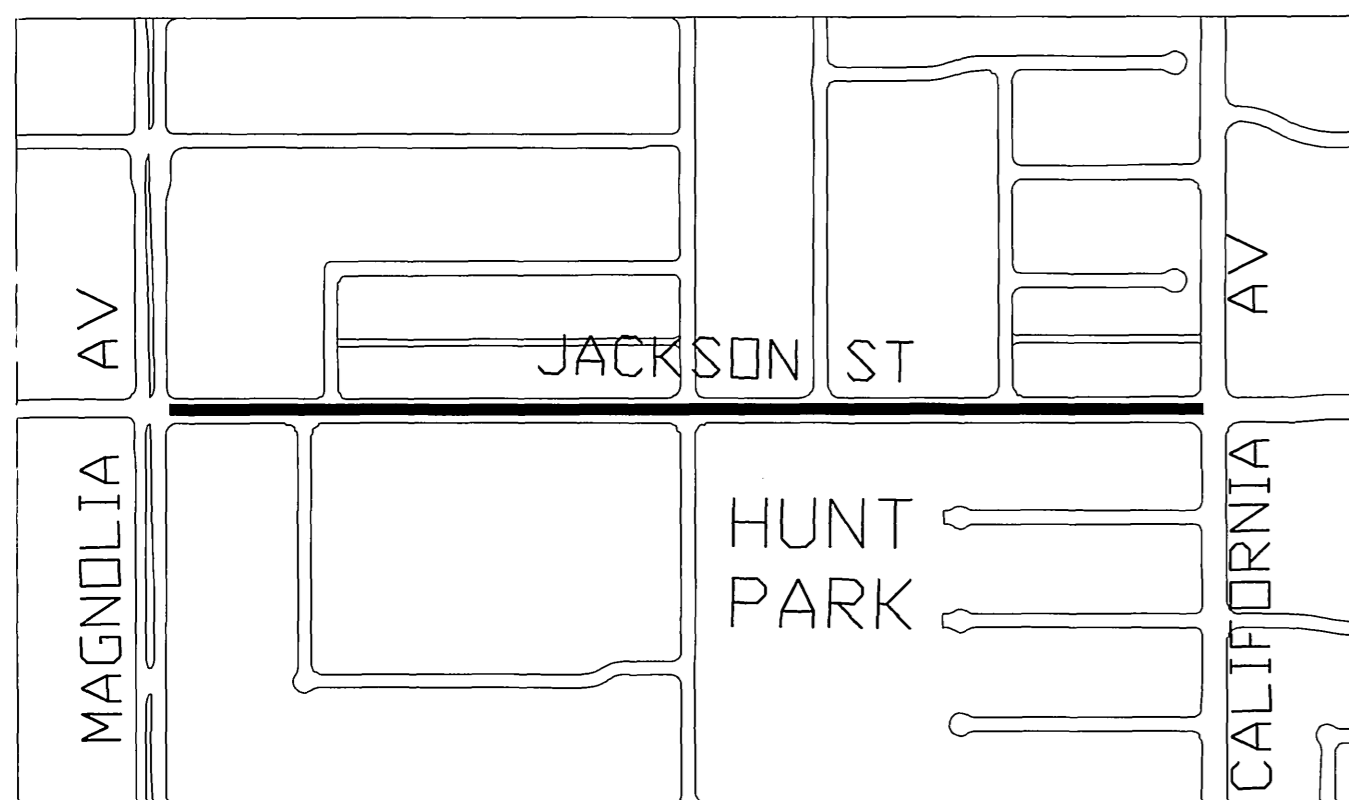
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AREA 6



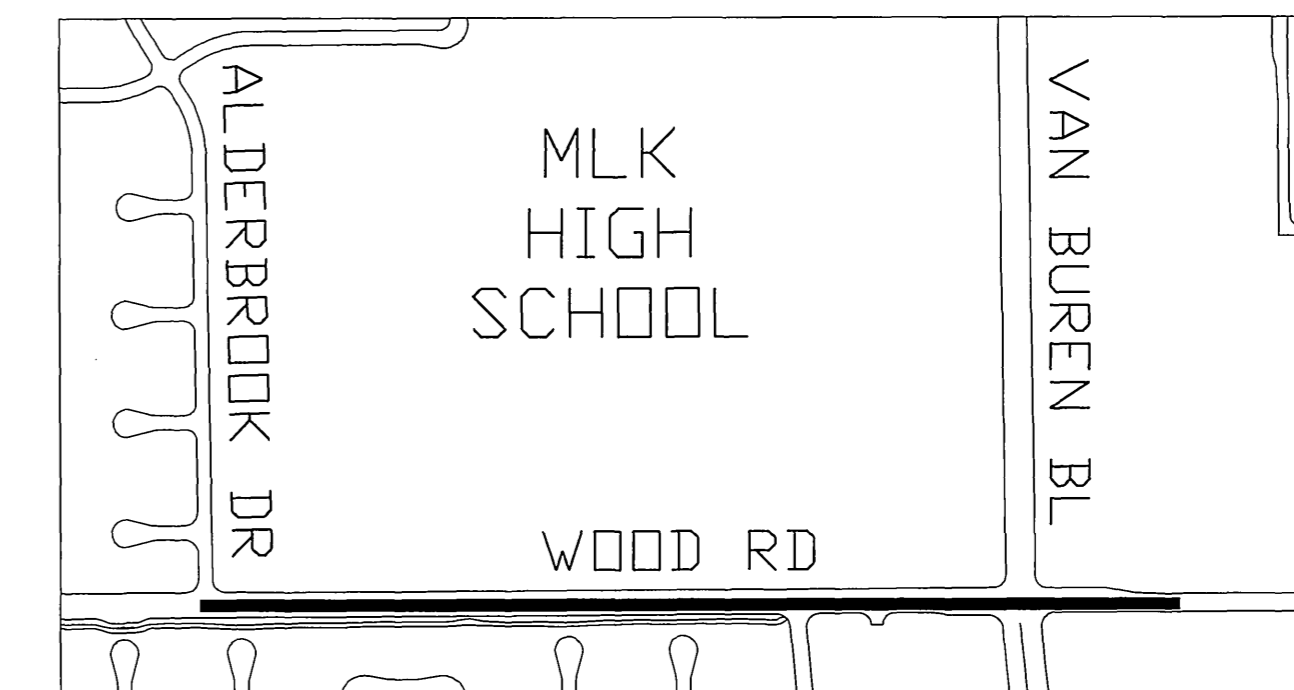
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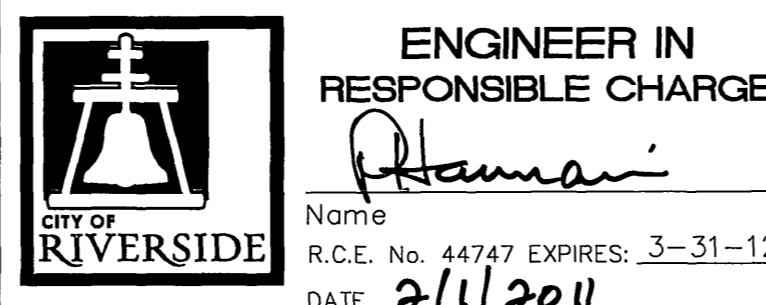
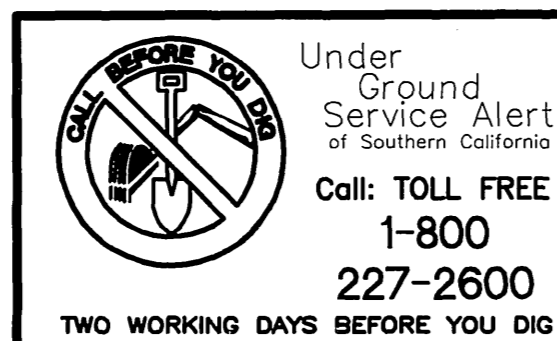
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AREA 9



AREA 10



DESIGNED BY	CS	DRAWN BY	TYH	CHECKED BY	PH
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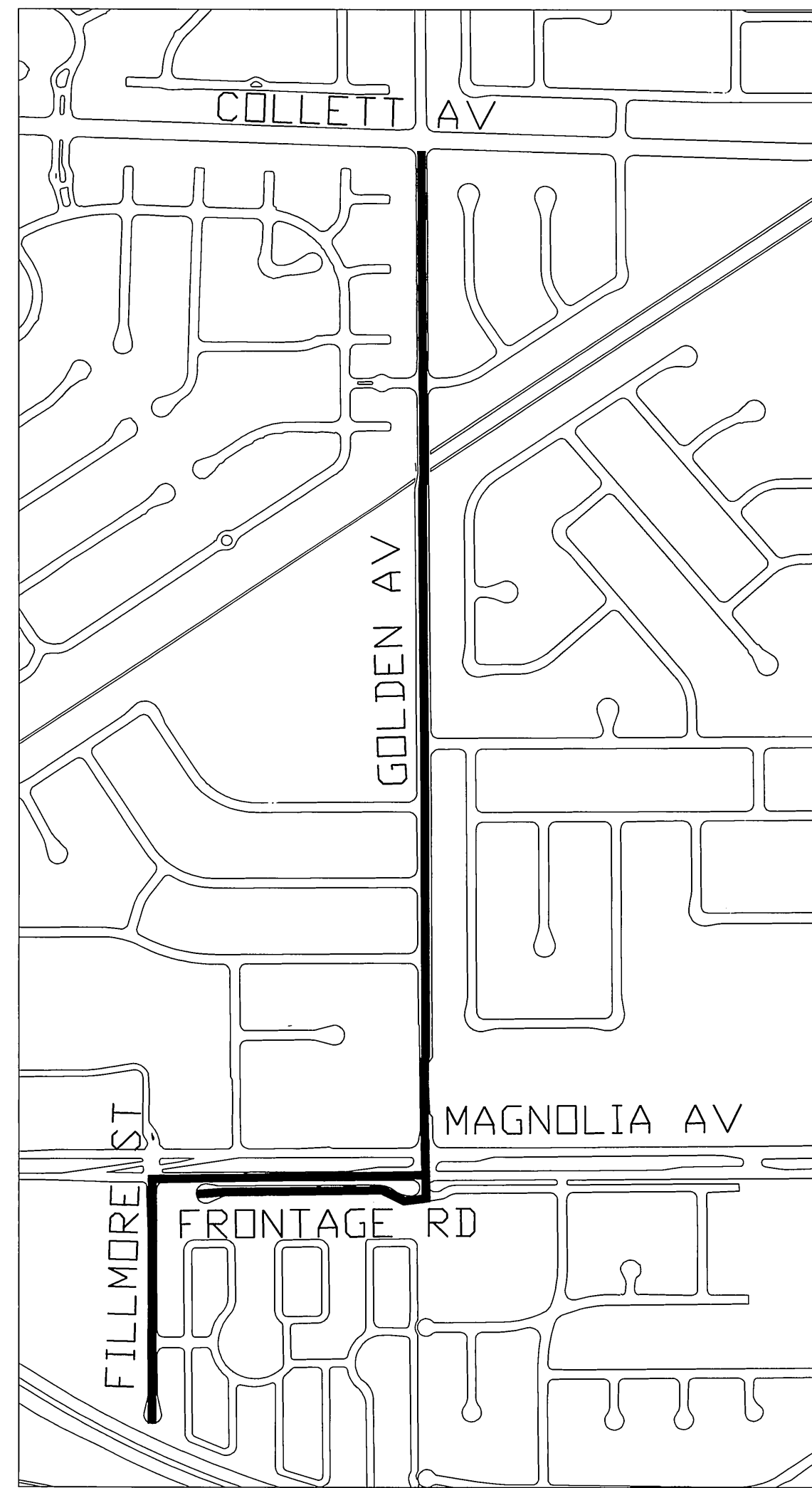
CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS			
APPROVED BY	BY	DATE	APPROVED BY
ENGINEERING MANAGER	PH	2/1/11	PH
CONSTRUCTION ADMIN.	AS	2/2/11	CITY ENGINEER
TRAFFIC DIVISION	Z	2/1/11	
STREETS SERVICES			
SURVEY	CS	2/1/11	

STREET IMPROVEMENTS	
2010-2011	
MINOR STREET REHABILITATION	
PHASE 2	
SCALE: N.T.S.	

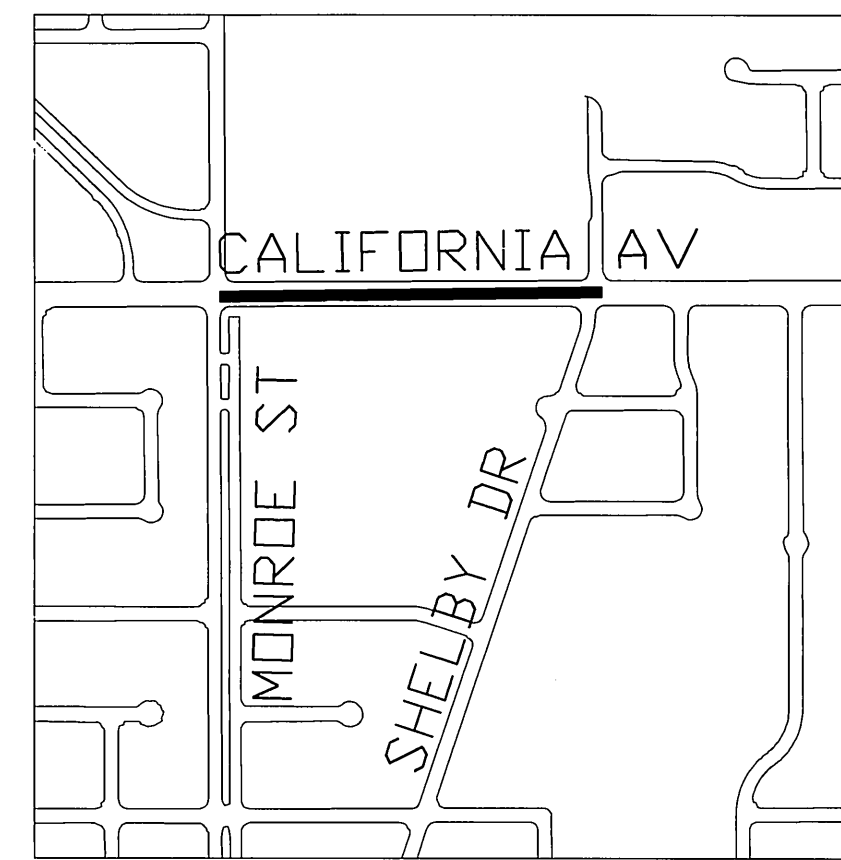
R-4194
SHEET 2 OF 3
CONSTRUCTION WO#

QUANTITIES TABLE (CONT'D)

#	STREET NAME	STREET LIMIT	STREET LIMIT	STREET LENGTH (LF)	STREET AREA (SF)	AC REMOVAL (SF)	DGAC REPLACE (SF)	SLURRY SEAL (SF)	ARHM-O2 OVERLAY (TON)	AGGREGATE BASE (CY)	R&R WEP (EA)	MCR ORND (EA)	R&R CURB & GUTTER 6" (LF)	RETAINING CURB 6" (LF)	R&R SIDEWALK (SF)	R&R DWP-APP (SF)	R&R H-CUTTER (SF)	COLDMILL TYPE I 3" WIDE (SF)	COLDMILL TYPE II 10" WIDE (SF)	UNIFORM COLDMILL 0.10" (SF)	UNIFORM COLDMILL 0.15" (SF)	UNIFORM COLDMILL 0.20" (SF)	ADJ SEWER & S.O. MANHOLE (EA)	ADJ SEWER CLEANOUT (EA)	ADJ WALKIES (EA)	ADJ WATER METER BOX (EA)	ADJ CABLE BOX (EA)	COMMENTS
12	Fillmore St	Magnolia Av	End	900	28,000	--	--	28,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SLURRY SEAL ENTIRE STREET
13	Magnolia Av	Fillmore St	Golden Av	1,100	43,000	--	--	43,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SLURRY SEAL ENTIRE STREET
14	Magnolia Frontage Rd	Golden	End	920	30,000	--	--	30,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SLURRY SEAL ENTIRE STREET
15	Golden Av	Magnolia	Collett	3,700	168,000	--	--	168,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SLURRY SEAL ENTIRE STREET
16	California Av	Monroe St	Shelby	1,000	63,000	--	--	--	540	--	2	--	--	100	--	--	--	--	--	63,000	--	--	--	--	--	--	--	COLDMILL AND OVERLAY ENTIRE STREET 0.10'
17	Chapala Dr	Central Av	Le Conte	2,110	70,000	17,000	510	--	525	--	4	--	200	60	2,600	--	--	4,200	530	--	--	--	10	2	14	1	OVERLAY 0.10'. NEW SECTION FOR R&R AREAS TO BE 0.10' ARHM OVER 0.40' DGAC OVER EXISTING NATIVE MATERIAL.	



AREA 11



AREA 12



AREA 13



ENGINEER IN RESPONSIBLE CHARGE
 Name: *Danna*
 R.C.E. No. 44747 EXPIRES: 3-31-12
 DATE: 2/1/2011



MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS			
APPROVED BY	BY	DATE	APPROVED BY
ENGINEERING MANAGER	<i>PH</i>	2/1/11	<i>[Signature]</i>
CONSTRUCTION ADMIN.	<i>AS</i>	2/2/11	CITY ENGINEER
TRAFFIC DIVISION	<i>SC</i>	2/1/11	DATE 2/2/11
STREETS SERVICES	<i>CS</i>	2/1/11	
SURVEY	<i>CS</i>	2/1/11	

STREET IMPROVEMENTS
 2010-2011
 MINOR STREET REHABILITATION
 PHASE 2
 SCALE: N.T.S.

R-4194
 SHEET 3 OF 3
 CONSTRUCTION WO#

DESIGNED BY CS DRAWN BY TYH CHECKED BY PH