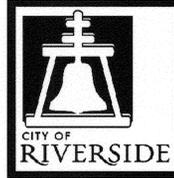


**SPECIFIC CONSTRUCTION NOTES:**

- HEXAGON** 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 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: CB=INLET; FNC=FENCE; CRB=CURB AND GUTTER; SGN=STREET SIGN; TR=TREE; RMP=DRIVEWAY RAMP DWY=DRIVEWAY; SW=SIDEWALK; GRG=GRASS LAWN; PP=POWER POLE; WM=WATER METER; GAT=GATE TRACK; LGT=PARKING LOT LIGHT FIXTURE
- REL/XX** RELOCATE EXISTING FACILITY. XX= EXISTING FACILITY AS FOLLOWS: MB=MAILBOX; SGN=SIGN; INL=INLET; TRA=TRASHCAN; PB=PULLBOX; WM=WATER METER & BOX; SL=RELOCATE STREET LIGHT FACILITY PER STREET LIGHT RELOCATION DETAIL; OUT=OUTLET
- R&R/XX** REMOVE AND REPLACE EXISTING FACILITY WHERE INDICATED ON THE PLANS. TYPE PER PLAN. XX= EXISTING FACILITY AS FOLLOWS: 200=CURB AND GUTTER; 325=CONCRETE SIDEWALK; 302=DRIVEWAY; PST=FENCE POST
- REM/XX** REMOVE EXISTING FACILITY WHERE INDICATED ON THE PLANS.  
XX= EXISTING FACILITY AS FOLLOWS: CRB=CURB AND GUTTER; SW=CONCRETE SIDEWALK; P=X=PIPE; X=SIZE SHOWN ON PLAN; CR=CURB; PAD=CONCRETE PAD; DWY=DRIVEWAY; CB=CATCH BASIN; PAV=ASPHALT, CONCRETE & MACADAM PAVEMENT; PLN=PLANTER; INL=INLET WITH GRATE; TRN=TREE TRUNK; FNC=FENCE; TR=TREE; PB=PULLBOX; CN=CONDUIT
- ADJ/XX** ADJUST TO FINISH GRADE EXISTING FACILITY AS NECESSARY.  
XX= EXISTING FACILITY AS FOLLOWS: MH=MANHOLE; WM=WATER METER; GV=GATE VALVE
- ADJ/ETS** ADJUST ETS GAS VALVE AND LID TO GRADE, INCLUDES CLEANING AND PAINTING LID YELLOW
- 220/M** CONSTRUCT MODIFIED CONCRETE GUTTER W=3 FEET AND D=1 1/2" PER CITY STANDARD 220. ALL STATION IDENTIFICATIONS ARE TO THE CENTERLINE OF THE CONCRETE SWALE.
- 302/XX** CONSTRUCT DRIVEWAY PER CITY STANDARD 302.  
XX= TYPE OF DRIVEWAY INDICATED AS FOLLOWS: PL-I=PROPERTY LINE TYPE I
- 302/M** CONSTRUCT DRIVEWAY PER CITY STANDARD 302 WITH THE FOLLOWING MODIFICATIONS:  
CONSTRUCT WALKWAY PORTION OF DRIVEWAY ONLY (2% MAX. CROSSFALL). "A" DIMENSION PER PLAN AND WIDTH TO MATCH PROPOSED WALKWAY WIDTH. EXISTING PAVEMENT SECTION, REGARDLESS OF TYPE SHALL BE REMOVED TO SUBGRADE, ADDITIONAL SUBGRADE IMPORTED AND COMPACTED AS NECESSARY.
- 302/W** RECONSTRUCT DRIVEWAY UTILIZING "RAPID SET" CONCRETE AND STAMPED CONCRETE TO MATCH EXISTING. RECONSTRUCT CURB, GUTTER, SIDEWALK AND STORM DRAIN OUTLETS.
- 304/M** CONSTRUCT WHEELCHAIR RAMP PER CITY STANDARD 304, MODIFIED  
X = TYPE PER PLAN, MODIFICATIONS ARE AS FOLLOWS:  
M1 = CONSTRUCT TYPE III RAMP WITH RETAINING CURB ON BOTH SIDES.  
REPLACE EXISTING WINGS WITH STANDARD CURB/GUTTER AND SOD.  
M2 = CONSTRUCT TYPE I RAMP WITH RETAINING CURB ON STREET SIDE OF RAMP ONLY. SHORTEN OR LENGTHEN RAMP AREA AS NECESSARY TO JOIN EXISTING/PROPOSED IMPROVEMENTS.
- 325/XX-W** CONSTRUCT MODIFIED SIDEWALK PER CITY STANDARD 325. MODIFICATIONS INCLUDE CONSTRUCTING ADJACENT TO PAVEMENT WITH AN 8" WIDTH. REDUCE WIDTH WHERE INDICATED ON PLAN.
- 380/M** INSTALL FENCE PER CITY STANDARD 380 INSTEAD OF MESH FABRIC USE WOODEN PANELS.
- C1** ELEVATION OF PROPOSED BACK OF DRIVEWAY SIDEWALK SHALL MATCH EXISTING GRADE ACROSS DRIVEWAY OPENING. PROPOSED PAVEMENT BETWEEN FRONT OF DRIVEWAY SIDEWALK AND OUTSIDE EDGE OF GUTTER SHALL BE STRAIGHT GRADED BETWEEN 2% AND 5% MAX.
- C2** SLOPE OF PROPOSED PAVEMENT AND DRIVEWAY SIDEWALK SHALL BE CONSTRUCTED AT 1.5% FROM OUTSIDE EDGE OF GUTTER AND THEN DAYLIGHT TO EXISTING DRIVEWAY WITHIN 3 FEET.
- S1** CONSTRUCT ROADWAY STREET SECTION TO PROVIDE 0.1' ARHM OVER 0.3' DGAC OVER 0.7' CRUSHED AGGREGATE BASE
- APW/606** CONSTRUCT METAL HAND RAILING PER AMERICAN PUBLIC WORKS ASSOCIATION STANDARD DRAWING 606-2 (TYPE B). POSTS SHALL BE SPACED 6' MAX.
- SOD** GRADE, INSTALL SOD, AND ADJUST SPRINKLER SYSTEM AS NECESSARY.
- CM1/XX** COLD MILL (TYPE I) EXISTING ASPHALT PAVEMENT (0.1' MIN). WIDTH "XX" SHALL BE EITHER 5' OR 10' WHERE INDICATED ON PLANS.
- CM2** COLD MILL (TYPE II) EXISTING ASPHALT PAVEMENT TO A DEPTH OF 0.2' AND OVERLAY WITH 0.2' DGAC. AREA SIZES WILL VARY AS INDICATED ON PLANS.
- CM3** FULL-DEPTH MILL (TYPE III) ENTIRE DEPTH OF EXISTING ASPHALT SURFACE (DEPTH VARIES) AND REPLACE WITH DGAC TO MATCH EXISTING DEPTH. AREA SIZES WILL VARY AS INDICATED ON PLANS.
- OL** OVERLAY ENTIRE ROADWAY WIDTH WITH 0.1' ARHM OVER NEW/EXISTING IMPROVEMENTS
- E1** COORDINATE WITH RIVERSIDE PUBLIC UTILITIES ELECTRIC DIVISION AND ALL OTHER UTILITY PURVEYERS TO RELOCATE POWER POLE. RELOCATION TO BE COMPLETED BY OTHERS. CONTRACTOR TO CONSTRUCT 3" x 8" CURB ONLY WHERE NO CURB EXISTS AND FILL W/AC
- ATT** COORDINATE WITH AT&T AND ALL OTHER UTILITY PURVEYERS TO RELOCATE POWER POLE. RELOCATION TO BE COMPLETED BY OTHERS. REMOVE EXISTING POLE AFTER FACILITIES ARE RELOCATED.
- AT2** COORDINATE WITH AT&T FOR UNDERGROUND WORK TO BE SCHEDULED. REMOVE EXISTING POLE AFTER FACILITIES ARE RELOCATED.
- RCP/XX** INSTALL RCP STORM DRAIN LINE. XX= SIZE OF PIPE PER PLAN
- X/INL** INSTALL GRATED DRIVEWAY INLET, WITH GALV. STEEL BEAM POCKET PER SINGLE & DOUBLE STORM DRAIN INLET DETAILS INCLUDED IN SPECIAL PROVISIONS; DIMENSIONS PER PLAN, X= INLET LOCATION NUMBER.
- 423/C-1** CONSTRUCT JUNCTION STRUCTURE NO.4 PER STD. NO. 423 CASE I AND BACKFILL WITH 420-C-2000 CONCRETE.
- VAR/CRB** CONSTRUCT VARIABLE HEIGHT CURB TO PROVIDE ELEVATIONS SHOWN ON PLAN AND/OR MAINTAIN EXISTING ELEVATIONS FOR LANDSCAPED AREAS.
- TR** TREE TO BE REMOVED BY CITY FORCES.
- T1** RELOCATE TRAFFIC SIGNAL PULLBOX PER STANDARD DRAWING NO. 606. CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS NECESSARY TO MAKE THE TRAFFIC SIGNAL SYSTEM FULLY OPERATIONAL.
- W1** CONTRACTOR SHALL COORDINATE WITH CITY OF RIVERSIDE UTILITIES WATER DIVISION TO RELOCATE WATER METER. CONTRACTOR SHALL MODIFY PRIVATE SIDE OF SERVICE AND RECONNECT.
- TP/47** INSTALL PERMANENT 4" WIDE BLACK NON-SLIP SAFETY TAPE ALONG EDGE OF SIDEWALK AND STEPS. ECO SAFETY PRODUCTS, PREMIUM NON SKID SAFETY TAPE (4" WIDE) OR CITY APPROVED EQUAL.

# RIVERSIDE



# CALIFORNIA

## PUBLIC WORKS DEPARTMENT MAIN STREET MAINTENANCE FROM THIRD STREET TO SR60 FREEWAY

**SHEET INDEX:**

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	MAIN STREET STA 10+00 TO STA 22+00
3	MAIN STREET STA 22+00 TO STA 28+00
4	MAIN STREET STA 28+00 TO STA 34+00
5	MAIN STREET STA 34+00 TO STA 44+75
6	MAIN STREET STA 44+75 TO STA 47+50
7	MAIN STREET STA 47+50 TO SR60 FREEWAY
X-149A	MAIN STREET @ FIRST STREET LATERAL "A", "B", "C" & "D"
X-150C	MAIN STREET @ SPRUCE STREET TRAFFIC SIGNAL MODIFICATION PLAN
XL-677	SIGNING AND STRIPING PLAN

**GENERAL CONSTRUCTION NOTES:**

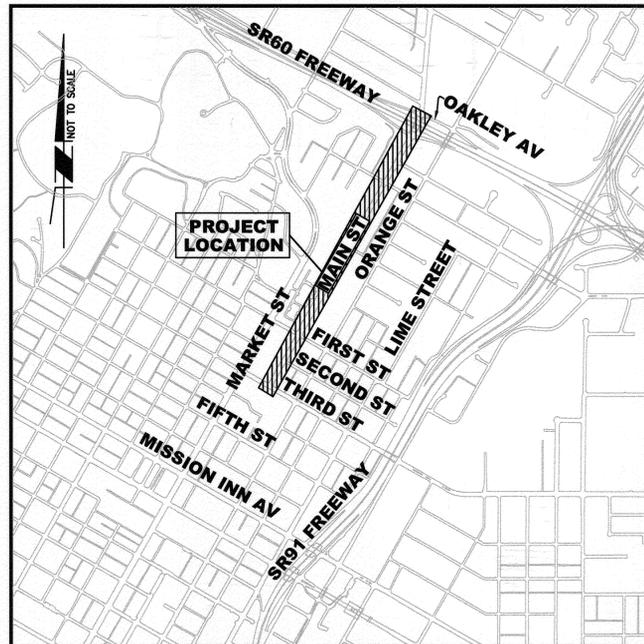
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TRAFFIC AS INDICATED IN THE SPECIAL PROVISIONS AT ALL TIMES UNLESS PRIOR APPROVAL IN WRITING IS OBTAINED FROM THE DIRECTOR OF PUBLIC WORKS.
- CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE STANDARD DRAWINGS AND STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2009 EDITION.
- 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.
- CONTRACTOR SHALL COORDINATE RELOCATION OF ALL CONFLICTING UTILITIES SHOWN WITHIN CONSTRUCTION AREA.
- ALL STREET PULL BOXES, AFFECTED BY CONSTRUCTION, SHALL BE ADJUSTED TO THE PROPOSED GRADE.
- ALL ELEVATIONS SHOWN ON THE PLANS SHALL BE STAKED IN THE FIELD, EXCEPT FOR ELEVATIONS SHOWN IN PARENTHESIS WHICH DENOTE EXISTING GRADES.
- PRIME CONTRACTOR BIDDING THIS WORK SHALL SATISFY THE LICENSE REQUIREMENTS INDICATED IN THE SPECIAL PROVISIONS.
- THE SEAM BETWEEN PASSES OF THE AC OVERLAY SHALL COINCIDE, AS CLOSE AS POSSIBLE, TO THE LANE LINES.
- COLD MILLING SHALL BE AS DIRECTED BY THE ENGINEER AND AS DESCRIBED IN SPECIAL PROVISIONS.
- IN PAVEMENT OVERLAY AREAS, ANY DISTRESSED EXISTING PAVEMENT SHALL BE REMOVED AND REPLACED AS DIRECTED BY THE INSPECTOR AFTER COLD-MILLING AND PRIOR TO PAVEMENT OVERLAYING.

**MAINTENANCE LEGEND:**

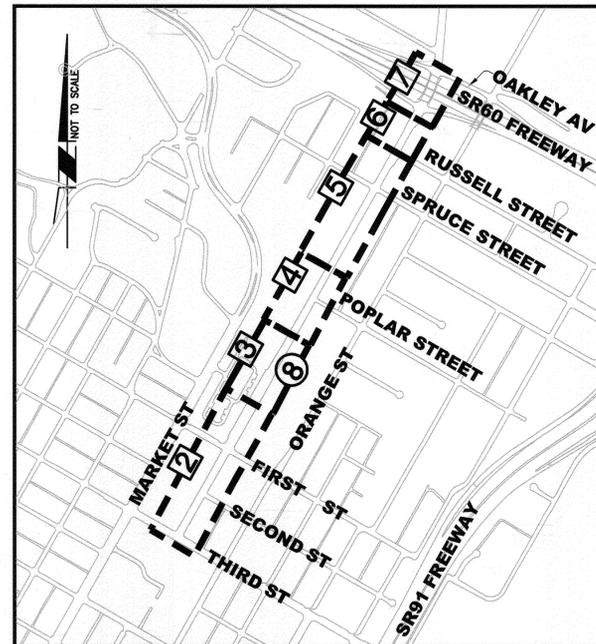
- (S1) NEW PAVEMENT SECTION: 0.1' ARHM OVER 0.3' DGAC OVER 0.7' CAB
- (TYPE I) COLD MILL EXISTING ASPHALT PAVEMENT (0.1' MIN) AND VARIABLE OVERLAY WITH 0.1' ARHM. WIDTH SHALL BE EITHER 5' OR 10' AS INDICATED ON PLANS.
- (TYPE II) COLD MILL EXISTING ASPHALT PAVEMENT TO A DEPTH OF 0.2' AND OVERLAY WITH 0.2' DGAC AND 0.1' ARHM OVERLAY.
- (TYPE III) FULL-DEPTH MILL ENTIRE DEPTH OF EXISTING ASPHALT SURFACE DOWN TO THE EXISTING BASE MATERIAL AND REPLACE WITH DGAC TO MATCH EXISTING DEPTH (DEPTH VARIES) AND CAP WITH ARHM (0.1' MIN.)
- OVERLAY: 0.1' ARHM WHERE NOTED ON PLAN

NOTE: SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND/OR MODIFICATIONS TO THE COLD MILLING AND PAVING REQUIREMENTS

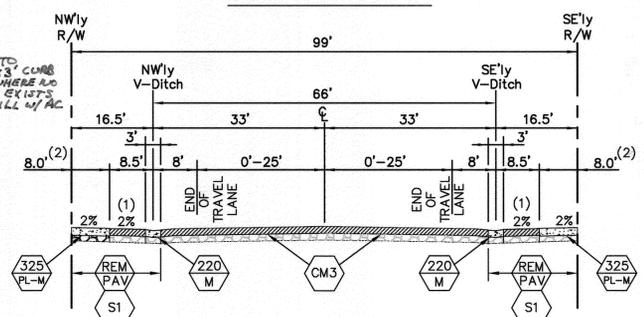
NOTE: ALL BUILDINGS SHALL BE PROTECTED IN PLACE. CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR ANY DAMAGES TO EXACTLY MATCH EXISTING FACILITIES INCLUDING MATERIAL TYPE AND COLOR EVEN IF NOT SHOWN ON PLAN AT NO COST TO THE CITY.



**LOCATION MAP**

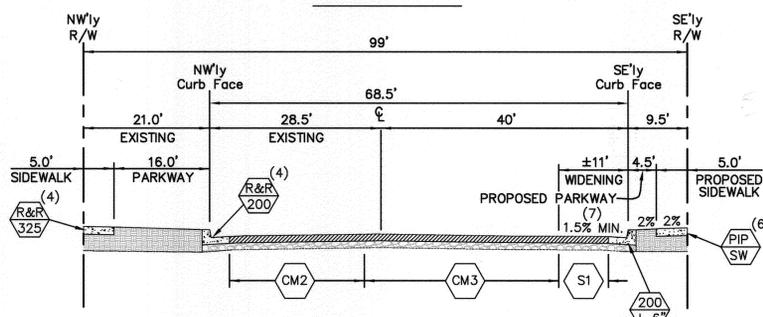


**INDEX MAP**



**TYPICAL SECTION - MAIN STREET (STA. 24+25 TO 31+50)**  
NOT TO SCALE

- NOTES:
- GRADE BETWEEN PROPOSED EDGE OF GUTTER AND SIDEWALK SHALL BE 2% MIN. UNLESS OTHERWISE NOTED ON PLANS (SEE NOTES C1 AND C2).
  - REDUCE SIDEWALK WIDTH AS NECESSARY ADJACENT TO EXISTING IMPROVEMENTS INCLUDING BUILDING, WALLS, ETC.
  - SEE PLAN FOR R&R AREAS OUTSIDE THESE LIMITS



**TYPICAL SECTION - MAIN STREET (STA. 44+75 TO 47+50)**  
NOT TO SCALE

- NOTES:
- SEE PLANS FOR R&R LOCATIONS.
  - SEE PLANS FOR R&R LOCATIONS OUTSIDE THESE LIMITS.
  - PROTECT IN PLACE SIDEWALK AND RETAINING CURB UNLESS OTHERWISE NOTED.
  - VARIABLE OVERLAY AS NECESSARY TO ACHIEVE 1.5% MIN. AND 3% MAX. GRADE.

**BENCHMARK: 17-S3**  
P.K. NAIL AND CITY ENGINEER TAG IN THE BACK OF A CATCH BASIN ALONG THE WESTERLY CURB OF ORANGE STREET AT THE SOUTHWEST CORNER OF ORANGE STREET AND THIRD STREET.  
DATE: 1929  
ADJUSTED AND ENTERED: 1971  
ELEVATION 852.637

405 TR SAWCUT & REMOVE TOP 2'-3" OF EXISTING INLET, DOWEL INTO REMAINING BOX, AND RECONSTRUCT PER CITY STD 405  
AMEC AMEC TO INSTALL 6 MONITORING WELLS IN GENERAL LOCATION INDICATED. CONTRACTOR SHALL COORDINATE.

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

ENGINEER IN RESPONSIBLE CHARGE  
Edward Lara  
R.C.E. No. 63753 EXPIRES: 9-30-12  
DATE July 5, 2011



CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS			
APPROVED BY	BY	DATE	APPROVED BY
ENGINEERING MANAGER	F.M.	7/12/12	CITY ENGINEER
CONSTRUCTION ADMIN.	DC	7/12/12	
TRAFFIC DIVISION	EL	7-9-12	
SURVEY	KS	7-12-12	
DESIGNED BY SP	DRAWN BY SP	CHECKED BY EL	

STREET MAINTENANCE		DESIGN WORK ORDER NO. 1212854
<b>MAIN STREET MAINTENANCE FROM THIRD STREET TO SR60 FREEWAY</b>		CONSTR. WORK ORDER NO. 1228819
<b>COVER SHEET</b>		R-4222
SHEET 1 OF 8		FILE NAME: R4222-01.DWG
HORIZ. SCALE: N/A	VERT. SCALE: N/A	

AS-BUILT 6-12-14 JC  
CALTRANS ENCROACHMENT PERMIT NO.: 08-12-N-MC-0025  
INDEXED 6-12-14 JC

THIRD STREET

THIRD STREET

SECOND STREET

SECOND STREET

MAIN STREET

MAIN STREET

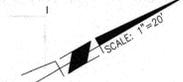
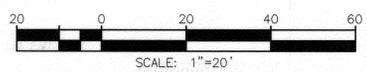
FIRST STREET

FIRST STREET

MATCH LINE - STA 16+00 (SEE ABOVE RIGHT)

MATCH LINE - STA 16+00 (SEE BELOW LEFT)

MATCH LINE - STA 22+00 (SEE SHEET 3)



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



**ENGINEER IN RESPONSIBLE CHARGE**  
*Edward Lara*  
Edward Lara  
R.C.E. No. 63753 EXPIRES: 9-30-12  
DATE: 2/4/12

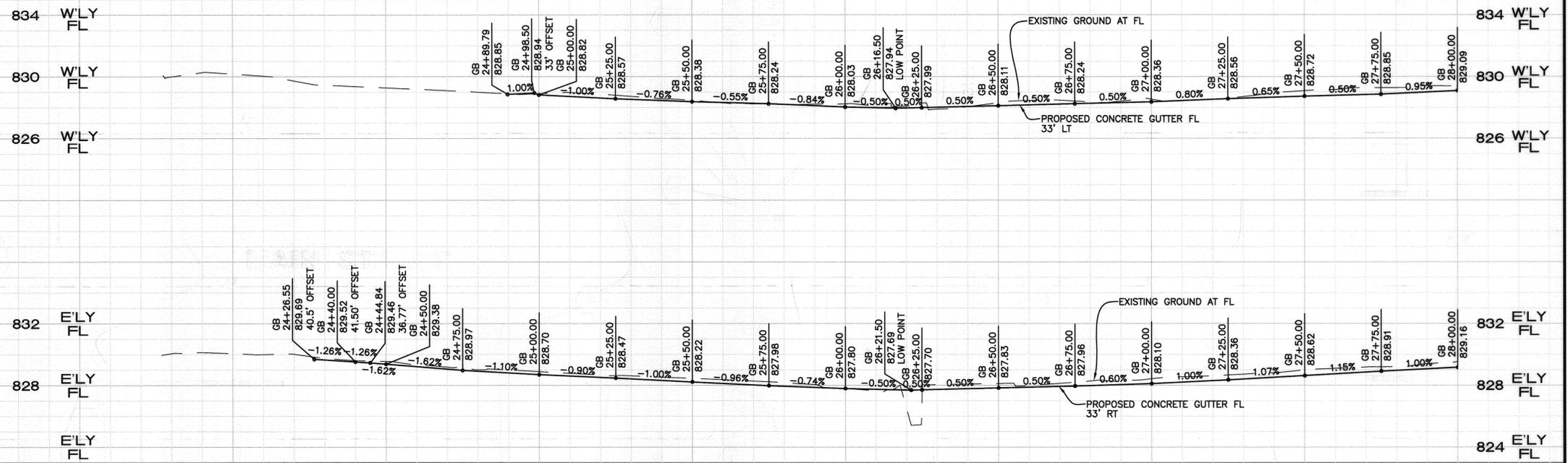


MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS			
APPROVED BY	BY	DATE	APPROVED BY
ENGINEERING MANAGER	F.M.	2/12/12	<i>[Signature]</i>
CONSTRUCTION ADMIN.	DC	2/12/12	CITY ENGINEER
TRAFFIC DIVISION			
SURVEY			
STREETS			
			DATE: 2/13/12

CALTRANS ENCROACHMENT PERMIT NO.: 08-12-N-MC-0025  
STREET MAINTENANCE  
**MAIN STREET MAINTENANCE FROM THIRD STREET TO SR60 FREEWAY**  
MAIN STREET STA. 10+00 TO STA 22+00  
HORIZ. SCALE: 1"=20' VERT. SCALE: N/A

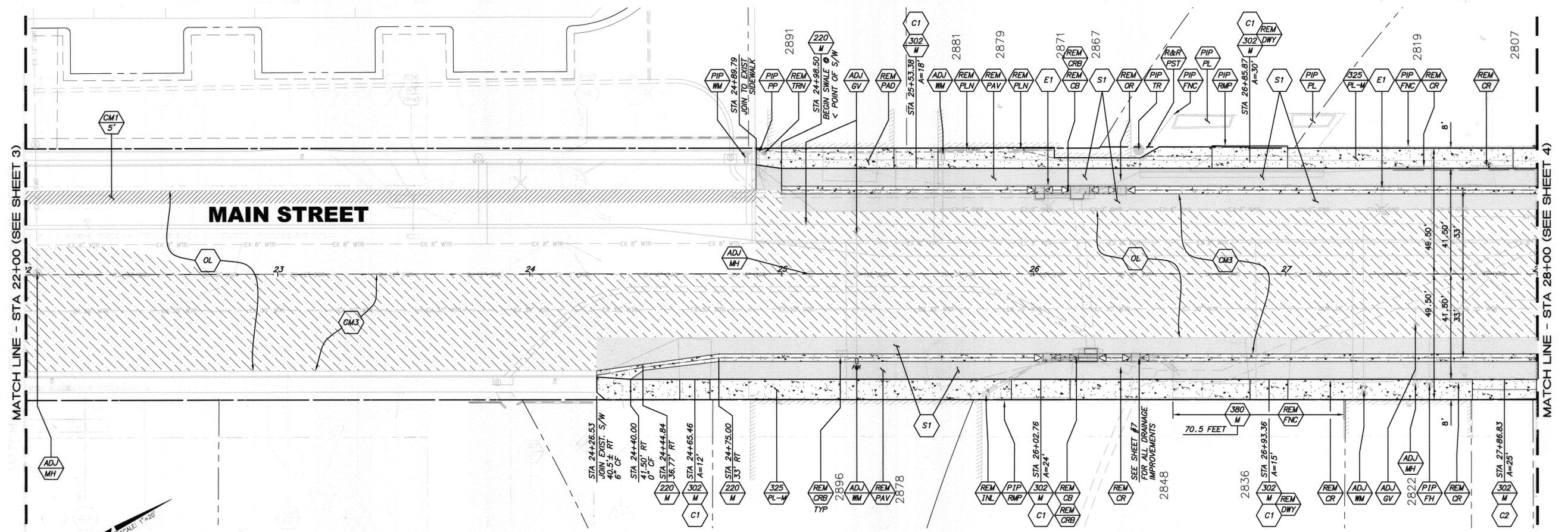
DESIGN WORK ORDER NO.: 1212854  
CONSTR. WORK ORDER NO.: 1228819  
**R-4222**  
SHEET **2** OF **8**  
FILE NAME: R4222-02.DWG



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

22+00 23+00 24+00 25+00 26+00 27+00 28+00

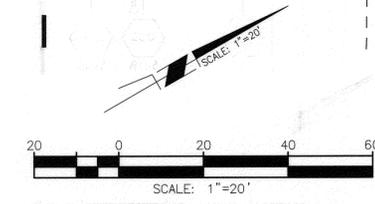
\*\*NOTE: ALL DRIVEWAY STATIONING BETWEEN STATIONS 24+50.00 AND 31+50.00 IS APPROXIMATE AND SHOULD BE VERIFIED AND ADJUSTED IF NECESSARY IN THE FIELD BY THE CONTRACTOR AND THE ENGINEER.



MATCH LINE - STA 22+00 (SEE SHEET 3)

MATCH LINE - STA 28+00 (SEE SHEET 4)

**MAIN STREET**



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

**ENGINEER IN RESPONSIBLE CHARGE**  
Edward Lara  
R.C.E. No. 63753 EXPIRES: 9-30-12  
DATE July 8, 2011

MARK	REVISIONS	APPR.	DATE

**CITY OF RIVERSIDE, CALIFORNIA**  
**DEPARTMENT OF PUBLIC WORKS**

APPROVED BY: [Signature]  
ENGINEERING MANAGER  
CONSTRUCTION ADMIN. [Signature]  
TRAFFIC DIVISION [Signature]  
SURVEY [Signature]

DATE: 2/13/2012

**STREET MAINTENANCE**  
**MAIN STREET MAINTENANCE FROM THIRD STREET TO SR60 FREEWAY**  
**MAIN STREET STA. 22+00 TO STA. 28+00**

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

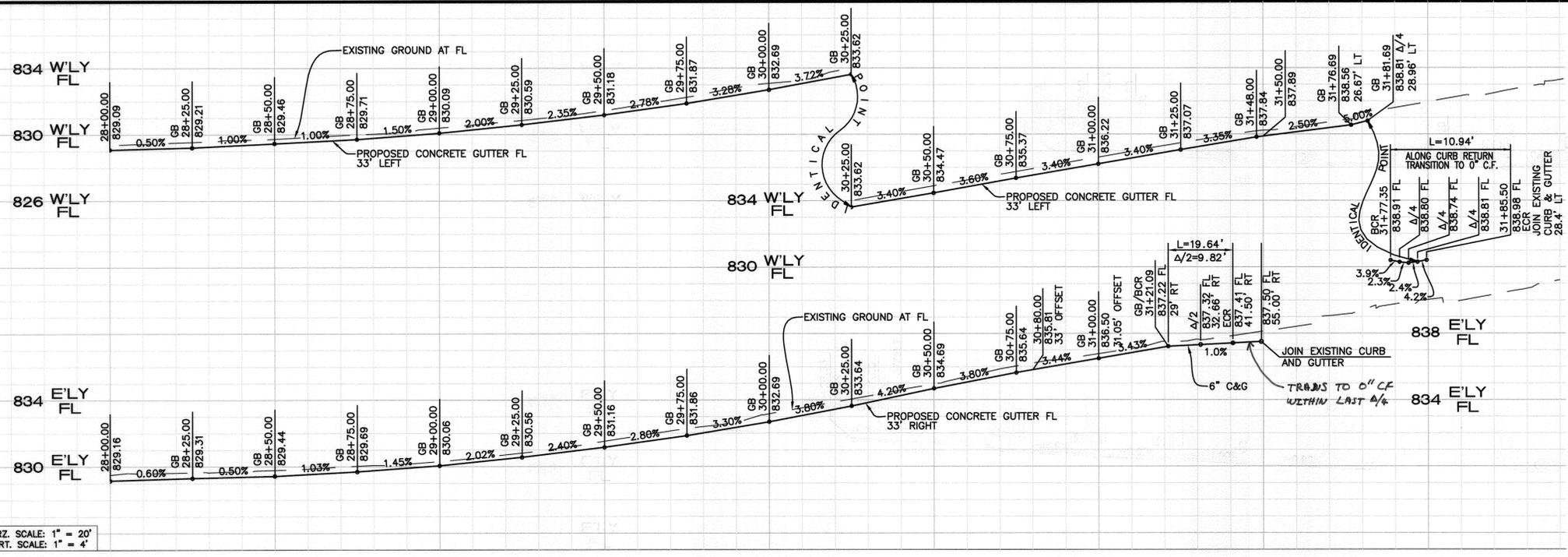
CALTRANS ENCROACHMENT PERMIT NO.: 08-12-N-MC-0025

DESIGN WORK ORDER NO.: 1212854  
CONSTR. WORK ORDER NO.: 1228819

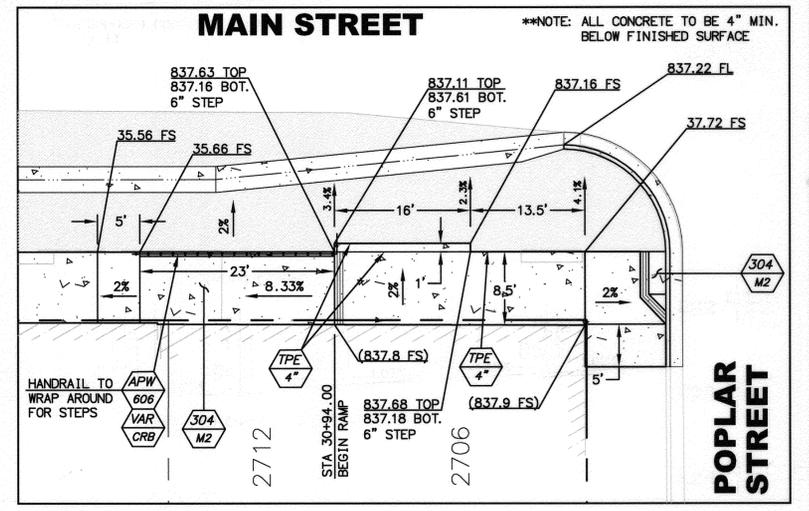
**R-4222**

SHEET **3** OF **8**

FILE NAME: R4222-03.DWG

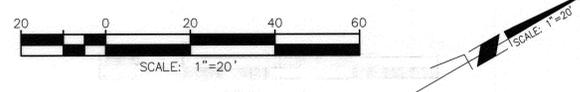
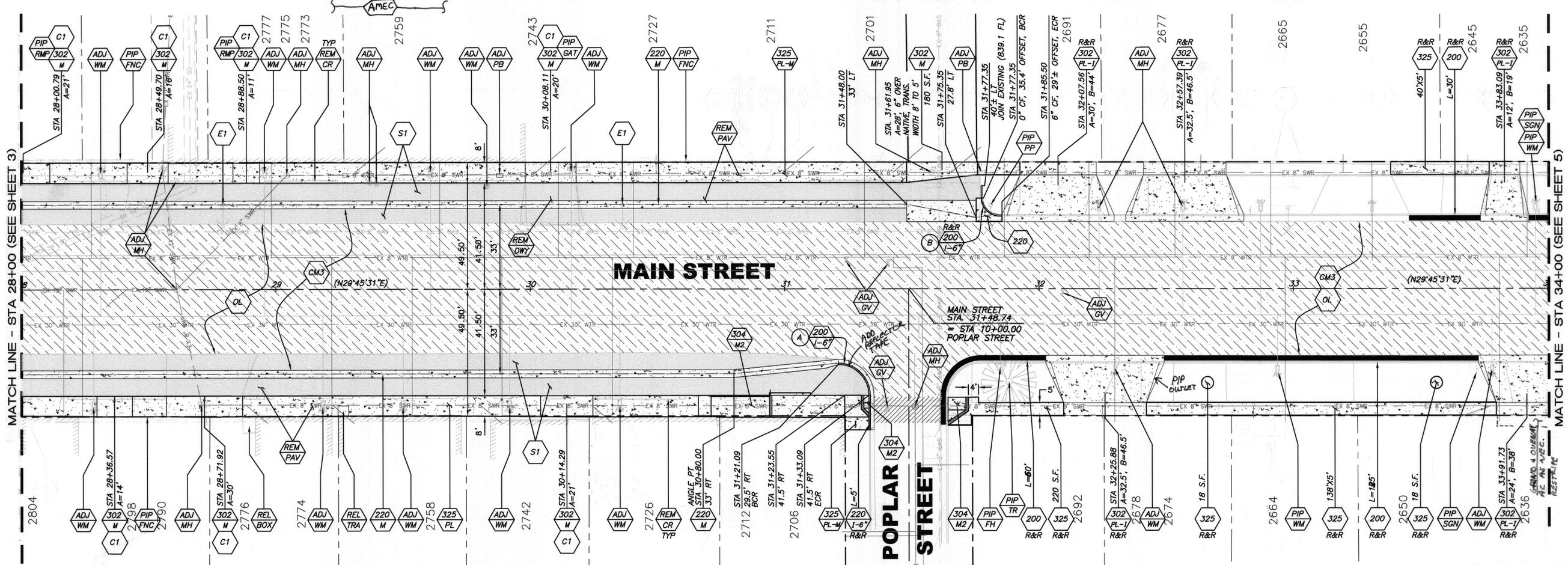


CURVE DATA TABLE					
CURVE	TANGENT	LENGTH	RADIUS	DELTA	BEARING
A	12.50'	19.64'	12.50'	90°00'00"	N74°45'31"E
B	6.94'	10.94'	7.00'	89°30'13"	N74°29'04"E

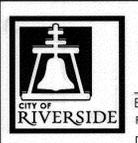


HORIZ. SCALE: 1" = 20'  
VERT. SCALE: 1" = 4'

\*\*NOTE: ALL DRIVEWAY STATIONING BETWEEN STATIONS 24+50.00 AND 31+50.00 IS APPROXIMATE AND SHOULD BE VERIFIED AND ADJUSTED IF NECESSARY IN THE FIELD BY THE CONTRACTOR AND THE ENGINEER.



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TWO WORKING DAYS BEFORE YOU DIG



ENGINEER IN RESPONSIBLE CHARGE  
*Edward Lara*  
Edward Lara  
R.C.E. No. 63753 EXPIRES: 9-30-12  
DATE: July 8, 2012

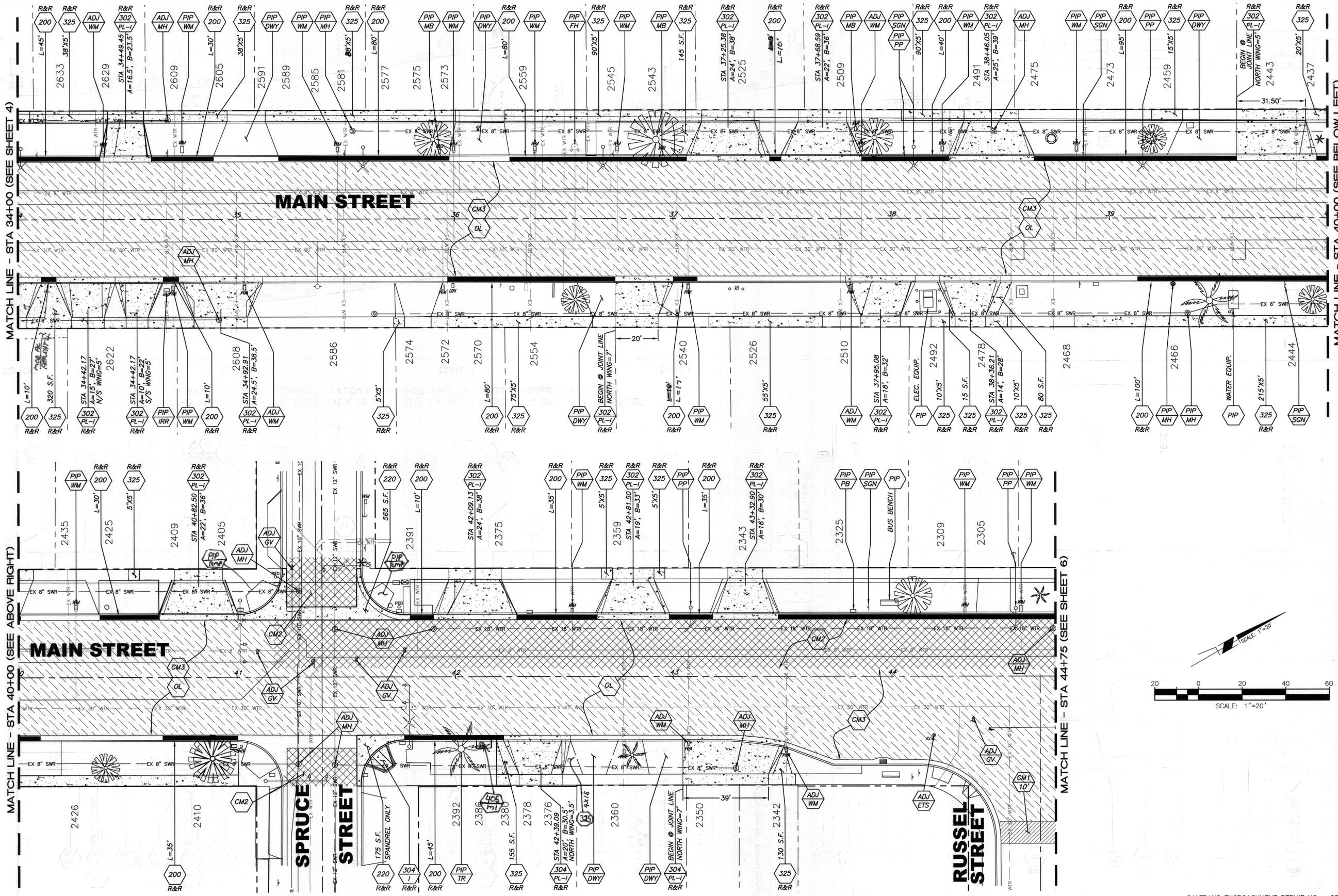
MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA  
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: [Signature]  
ENGINEERING MANAGER: F.M. [Signature] 7/12/12  
CONSTRUCTION ADMIN. [Signature] 7/12/12  
TRAFFIC DIVISION: [Signature] 7-9-12

STREET MAINTENANCE  
MAIN STREET MAINTENANCE FROM THIRD STREET TO SR60 FREEWAY  
MAIN STREET STA. 28+00 TO STA. 34+00  
HORIZ. SCALE: 1"=20' VERT. SCALE: 1"=4'

CALTRANS ENCROACHMENT PERMIT NO.: 08-12-N-MC-0025  
DESIGN WORK ORDER NO.: 1212854  
CONSTR. WORK ORDER NO.: 1228819  
R-4222  
SHEET 4 OF 8  
FILE NAME: R4222-04.DWG

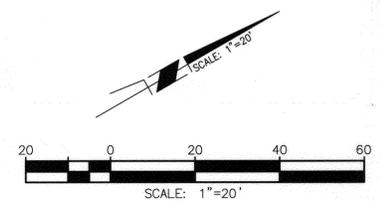


MATCH LINE - STA 34+00 (SEE SHEET 4)

MATCH LINE - STA 40+00 (SEE BELOW LEFT)

MATCH LINE - STA 40+00 (SEE ABOVE RIGHT)

MATCH LINE - STA 44+75 (SEE SHEET 6)



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

**ENGINEER IN RESPONSIBLE CHARGE**  
 Edward Lara  
 Edward Lara  
 R.C.E. No. 63753 EXPIRES: 9-30-12  
 DATE July 5, 2011

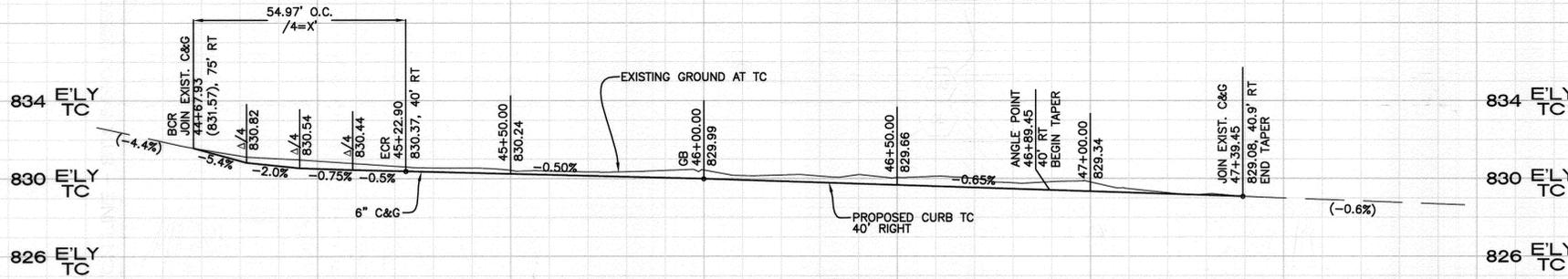
MARK	REVISIONS	APPR.	DATE

**CITY OF RIVERSIDE, CALIFORNIA**  
**DEPARTMENT OF PUBLIC WORKS**

APPROVED BY: *[Signature]* DATE: 7/12/12  
 ENGINEERING MANAGER  
 CONSTRUCTION ADMIN. DATE: 7/12/12  
 TRAFFIC DIVISION DATE: 7-1-12  
 SURVEY DATE: 7/13/2012

**STREET MAINTENANCE**  
**MAIN STREET MAINTENANCE FROM THIRD STREET TO SR60 FREEWAY**  
**MAIN STREET STA. 34+00 TO STA. 44+75**  
 HORIZ. SCALE: 1"=20' VERT. SCALE: N/A

CALTRANS ENCROACHMENT PERMIT NO.: 08-12-N-MC-0025  
 DESIGN WORK ORDER NO.: 1212854  
 CONSTR. WORK ORDER NO.: 1228819  
**R-4222**  
 SHEET 5 OF 8  
 FILE NAME: R4222-05.DWG



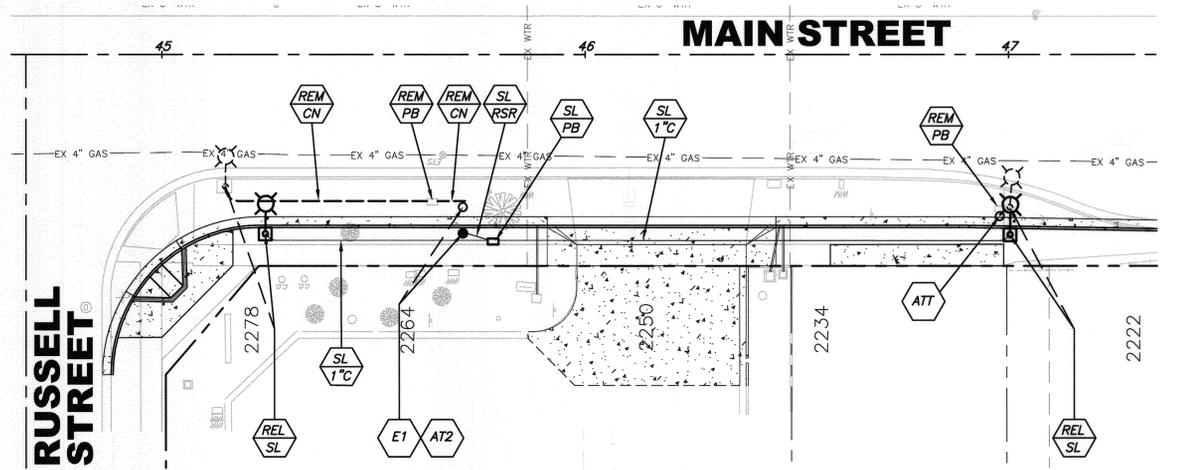
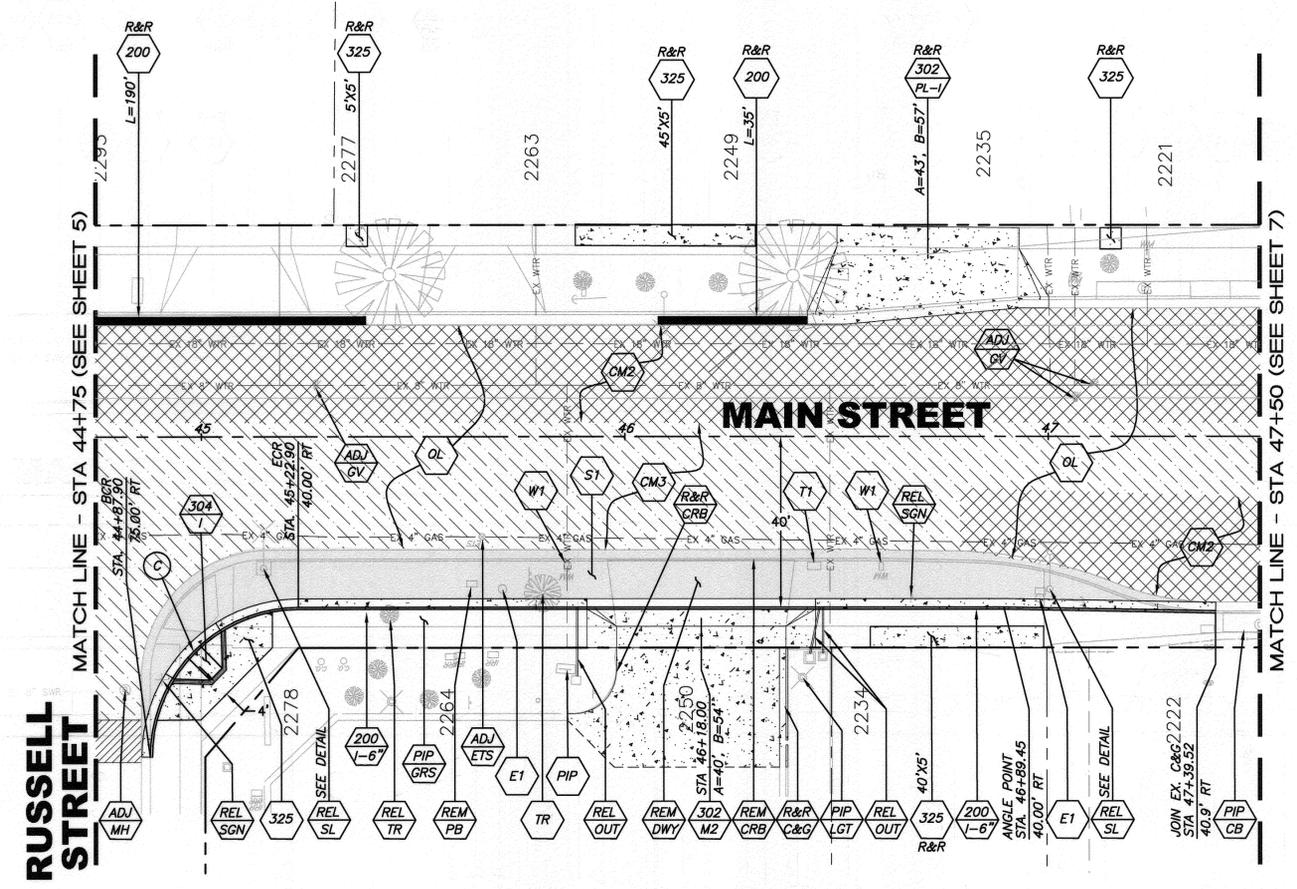
**STREET LIGHT CONSTRUCTION NOTES:**

- INSTALL (1) P1 PULLBOX
- INSTALL 1" SCHEDULE 40 CONDUIT INCLUDING FITTINGS, SWEEPS, CONDUCTORS AND ALL OTHER NECESSARY MATERIALS SPECIFIED BY CITY OF RIVERSIDE PUBLIC UTILITIES SPECIFICATIONS.
- INSTALL 1" SCHEDULE 40 CONDUIT FROM THE NEW P1 PULLBOX TO THE NEW POLE LOCATION INCLUDING CONDUCTORS, FITTINGS, SWEEPS AND RISER UP TO THE SERVICE DROP PROVIDED BY CITY OF RIVERSIDE PUBLIC UTILITIES.
- RELOCATE EXISTING STREET LIGHT STANDARD INCLUDING REMOVAL OF EXISTING FOUNDATION AND CONSTRUCTION OF NEW FOUNDATION.
- REMOVE EXISTING CONDUIT, CONDUCTORS, SWEEPS AND ANY REMAINING MATERIALS.
- REMOVE EXISTING PULLBOX AND ANY REMAINING MATERIALS.

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

**PUBLIC UTILITIES ELECTRIC GENERAL NOTES:**

1. ALL FACILITIES INSTALLED BY DEVELOPER SHALL BE INSPECTED AND APPROVED BY THE DEPARTMENT CONSTRUCTION INSPECTOR (951-826-2335). ANY CHANGES SHALL BE APPROVED BY THE DEPARTMENT PRIOR TO EXECUTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL PHASES OF CONSTRUCTION WITH THE DEPARTMENT CONSTRUCTION INSPECTOR.
2. PROVIDE AND INSTALL ALL STREET LIGHT FACILITIES SHOWN INCLUDING STREET LIGHT CABLE, IN CONFORMANCE WITH THE FOLLOWING STANDARD DRAWINGS: UGS-100, UGS-800, 801, & STREET LIGHT SPECIFICATION #2-6.
3. EXCAVATION FOR STREET LIGHT CONDUIT & ELECTROLIER FOUNDATIONS MUST BE DONE AFTER INSTALLATION OF CURBS & GUTTERS, BUT BEFORE INSTALLATION OF CURB RETURNS WITH SPANDRELS, CROSS GUTTERS, SIDEWALKS, AND DRIVE APRONS.
4. INSTALL A SINGLE WATERPROOF "IN-LINE" FUSE HOLDER ON EACH PHASE LEG CONDUCTOR IN THE BASE OF EACH STREET LIGHT STANDARD. FUSE HOLDER TO BE "BUSSMAN TRON" #HEB COMPATIBLE WITH SIZE AND TYPE OF WIRE WITH A "BUSSMAN" FNM 10 AMP 250V FUSE OR APPROVED EQUAL.
5. ALL STREET LIGHT FEED POINTS TO BE CONNECTED BY PUBLIC UTILITIES AND ENERGIZED WHEN CLEARED BY DEPARTMENT CONSTRUCTION INSPECTOR.
6. STREET LIGHT SERVICE POINTS ARE 3 WIRE, 240V SYSTEM, THE THIRD STREET LIGHT WIRE IS TO BE USED AS A BOND WIRE ONLY, AS NOTED IN SPECIFICATION #2-6. FEED POINTS TO BE CONFIRMED AT THE TIME OF CONSTRUCTION.
7. ALL CABLE TO BE AWG. #8 COPPER AS SPECIFIED IN STREET LIGHT SPECIFICATION #2-6 (STREET LIGHT CABLE).
8. CONDUIT AND FITTINGS TO BE IN CONFORMANCE WITH UGS-100. BACKFILL TO BE TYPE AND COMPACTED AS SPECIFIED IN UGS-100.1.
9. STREET LIGHT DOOR OPENING TO FACE SIDEWALK.
10. ALL CONTRACTORS WORKING ON OR AROUND THE DEPARTMENT'S UNDERGROUND ELECTRICAL FACILITIES MUST HAVE THE PROPERLY QUALIFIED PERSONNEL AND EQUIPMENT TO PERFORM THE SPECIFIED WORK. THE CONTRACTOR WILL BE SOLELY RESPONSIBLE TO ESTABLISH AND MAINTAIN A SAFE WORKING ENVIRONMENT INCLUDING, BUT NOT LIMITED TO WORK AROUND ENERGIZED HIGH VOLTAGE FACILITIES, GAS TESTING OF CONFINED SPACES, TRAFFIC AND PROTECTION. THE DEPARTMENT'S POLICY IS TO PROVIDE ONE (1) QUALIFIED OBSERVER AFTER 24 HOURS NOTICE, TO STAND BY DURING WORK AND PROVIDE RADIO CONTACT WITH CITY OPERATIONS CONTROL. EVERY ENTRY BY ANY PERSONNEL INTO A PUBLIC UTILITIES HIGH VOLTAGE STRUCTURE WILL REQUIRE THE PRESENCE OF A QUALIFIED ELECTRICAL WORKER IN ACCORDANCE WITH Cal/OSHA. ALL DEVELOPERS AND CONTRACTORS ARE REQUIRED TO SUBMIT REQUIRED DOCUMENTATION AND FOLLOW REQUIRED PROCEDURES. COPIES OF THE POLICY AND DOCUMENTS MAY BE OBTAINED AT 3750 UNIVERSITY AVE. RIVERSIDE, CA OR AT WWW.RIVERSIDEPUBLICUTILITIES.COM
11. THE CITY OBSERVER HAS THE AUTHORITY TO STOP THE CONTRACTOR'S WORK IF HE DETERMINES THAT ADEQUATE SAFETY PRECAUTIONS ARE NOT BEING TAKEN. HOWEVER, THE PRESENCE OF THE CITY OBSERVER DOES NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY FOR INSURING SAFE AND APPROPRIATE WORK PRACTICES.
12. FOR ENGINEERING INFORMATION, CONTACT ELENA DeSTEFANO AT 951-826-2417.

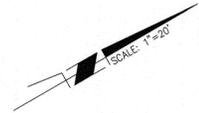
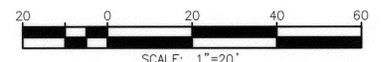


**STREET LIGHT RELOCATION DETAIL**

SCALE: 1"=20'

CALTRANS ENCROACHMENT PERMIT NO.: 08-12-N-MC-0025

CURVE DATA TABLE					
CURVE	TANGENT	LENGTH	RADIUS	DELTA	BEARING
C	35.00'	54.97'	35.00'	89°59'05"	N15°14'02"W



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



**ENGINEER IN RESPONSIBLE CHARGE**  
*Edward Lara*  
Edward Lara  
R.C.E. No. 63753 EXPIRES: 9-30-12  
DATE: July 5, 2012

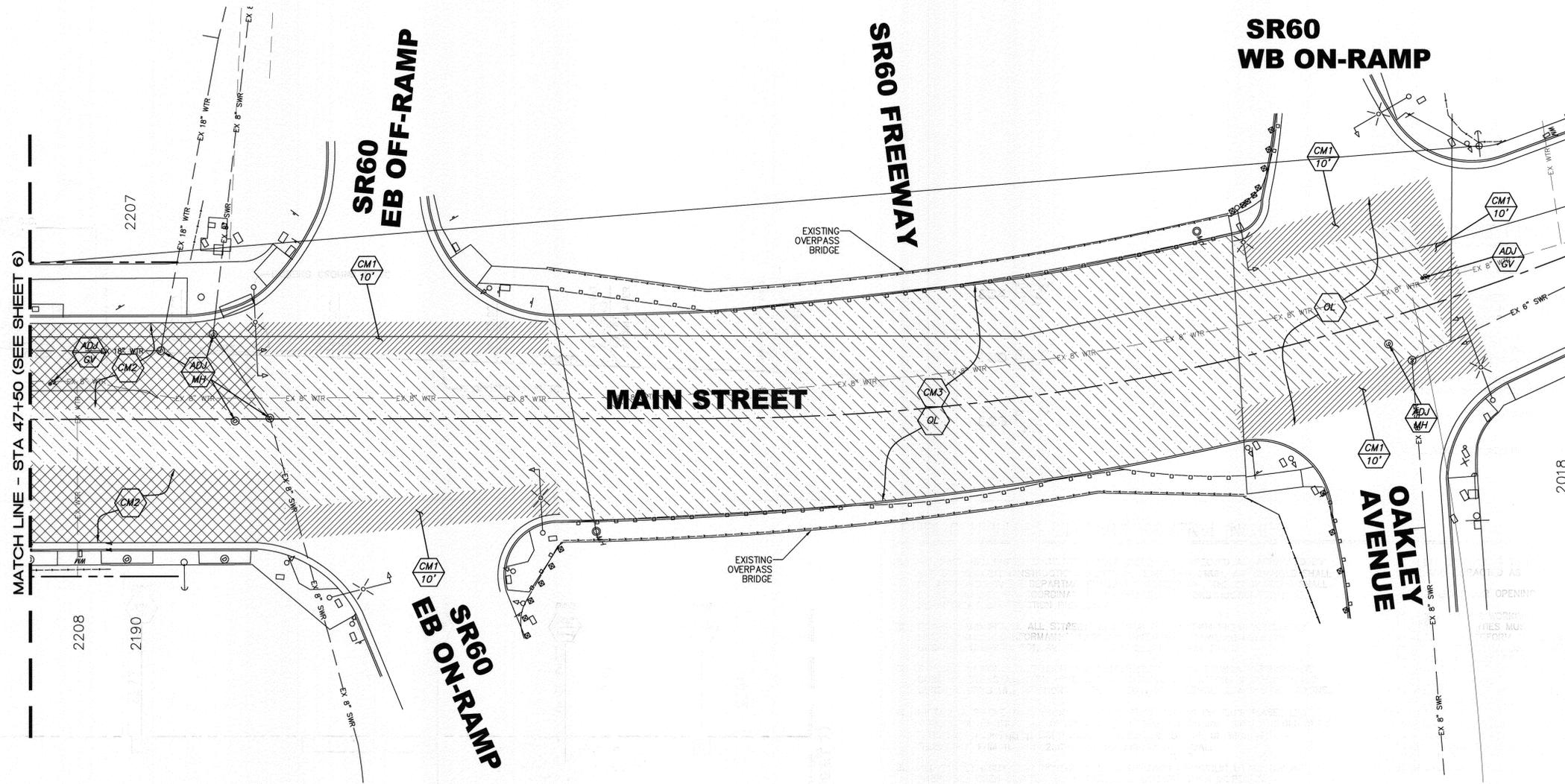


MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS			
APPROVED BY	BY	DATE	APPROVED BY
ENGINEERING MANAGER	F.M.	7/12/12	CITY ENGINEER
CONSTRUCTION ADMIN.	DG	7/12/12	
TRAFFIC DIVISION		7-9-12	
SURVEY			
STREETS			

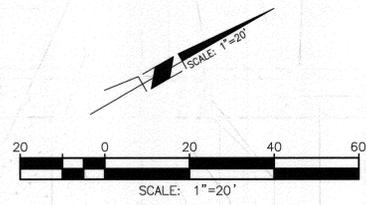
STREET MAINTENANCE	
<b>MAIN STREET MAINTENANCE FROM THIRD STREET TO SR60 FREEWAY</b>	
<b>MAIN STREET STA. 44+75 TO STA. 47+50</b>	
HORIZ. SCALE: 1"=20'	VERT. SCALE: N/A

DESIGN WORK ORDER NO.: 1212854	<b>R-4222</b>
CONSTR. WORK ORDER NO.: 1228819	
SHEET <b>6</b> OF <b>8</b>	FILE NAME: R4222-06.DWG



**CALTRANS GENERAL CONSTRUCTION NOTES:**

1. THE ONLY WORK TO BE COMPLETED WITHIN CALTRANS RIGHT-OF-WAY PER THIS PLAN SHALL BE LIMITED TO PAVEMENT MAINTENANCE IMPROVEMENTS. NO CONCRETE IMPROVEMENTS SHALL BE IMPACTED. SEE PLAN NUMBER XL-677 FOR ALL TRAFFIC SIGNAL, STRIPING, AND SIGNING IMPROVEMENTS.
2. WHEN THE WORK AREA ENCLOSES UPON A SIDEWALK, WALKWAY, OR CROSSWALK AREA, SPECIAL CONSIDERATION MUST BE GIVEN TO PEDESTRIAN AND BIKE RIDER SAFETY PASSAGE DURING THE CONSTRUCTION. PROTECTIVE BARRICADES, FENCING, HANDRAILS AND BRIDGES, TOGETHER WITH WARNING AND GUIDANCE DEVICES AND SIGNS MUST BE UTILIZED SO THAT THE PASSAGEWAY FOR PEDESTRIANS, ESPECIALLY BLIND AND OTHER PHYSICALLY HANDICAPPED, IS SAFE AND WELL DEFINED AND SHOWN ON THE APPROVED PERMIT PLAN.
3. ALL WORK WITHIN STATE RIGHT-OF-WAY SHALL BE COMPLETED IN ACCORDANCE WITH THE CURRENT STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS. SHOULD A CONFLICT ARISE BETWEEN THE CONTRACT PLANS, SPECIFICATIONS AND/OR DETAILS PREPARED BY THE PERMITTEE, THE STATE'S STANDARD SPECIFICATIONS SHALL GOVERN AS DETERMINED BY THE STATE'S REPRESENTATIVE.
4. CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE CALTRANS DISTRICT OFFICE FOR THEIR REVIEW AND APPROVAL PRIOR TO ISSUANCE OF A DUPLICATE ENCROACHMENT PERMIT FROM CALTRANS.
5. CONTRACTOR SHALL SUBMIT A WATER POLLUTION CONTROL PLAN TO THE CALTRANS DISTRICT OFFICE FOR THEIR REVIEW AND APPROVAL PRIOR TO ISSUANCE OF A DUPLICATE ENCROACHMENT PERMIT FROM CALTRANS. THE WATER POLLUTION CONTROL PLAN SHALL BE PREPARED PER THE STATE GUIDELINES FOR WATER POLLUTION CONTROL.



CALTRANS ENCROACHMENT PERMIT NO.: 08-12-N-MC-0025

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**ENGINEER IN RESPONSIBLE CHARGE**  
Edward Lara  
R.C.E. No. 63753 EXPIRES: 9-30-12  
DATE: July 5, 2012

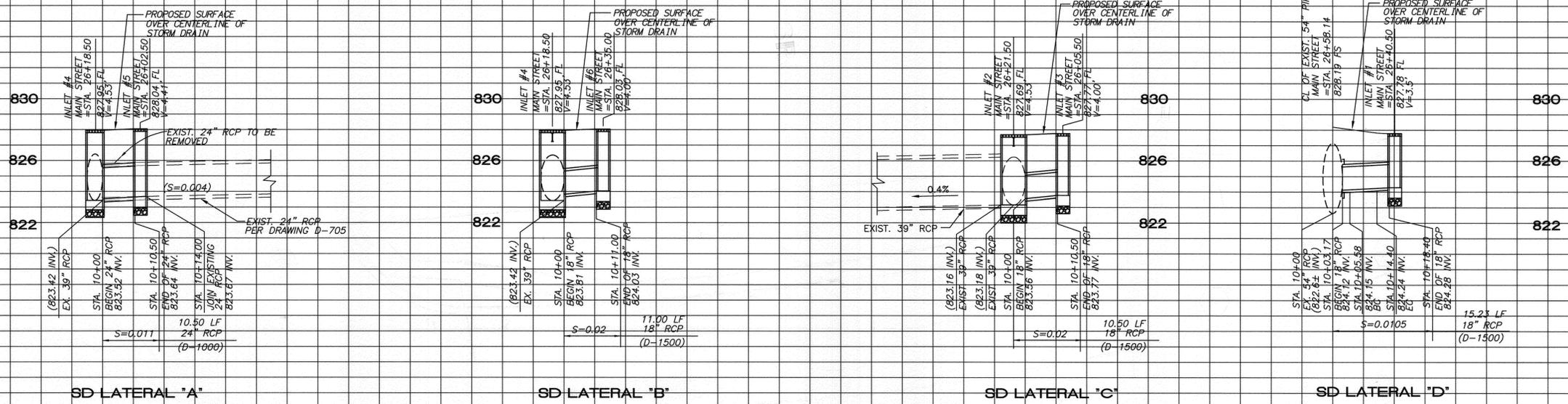
MARK	REVISIONS	APPR.	DATE

**CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS**

APPROVED BY	BY	DATE	APPROVED BY
ENGINEERING MANAGER	F.M.	7/12/12	[Signature]
CONSTRUCTION ADMIN.	D.C.	7/12/12	CITY ENGINEER
TRAFFIC DIVISION	S.H.	7-9-12	DATE: 7/13/2012
SURVEY			
STREETS			

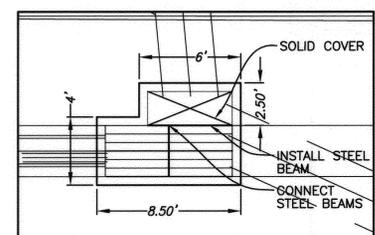
**STREET MAINTENANCE**  
**MAIN STREET MAINTENANCE FROM THIRD STREET TO SR60 FREEWAY**  
MAIN STREET STA. 47+50 TO SR60 FREEWAY  
HORIZ. SCALE: 1"=20' VERT. SCALE: N/A

DESIGN WORK ORDER NO.: 1212854	<b>R-4222</b>
CONSTR. WORK ORDER NO.: 1228819	
SHEET <b>7</b> OF <b>8</b>	FILE NAME: R4222-06.DWG



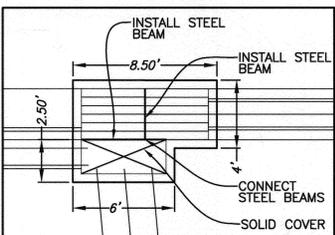
HORZ. SCALE: 1" = 20'  
VERT. SCALE: 1" = 4'

\*\*NOTE: CONTRACTOR SHALL PROVIDE ENGINEER SURVEYED INVERT ELEVATION AND HORIZONTAL LOCATIONS OF ALL EXISTING TIE-IN POINTS PRIOR TO CONSTRUCTING ANY STORM DRAIN IMPROVEMENTS.



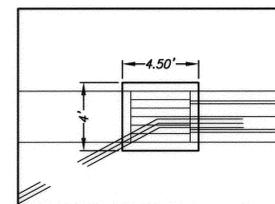
DOUBLE GRATE INLET #2

SCALE: 1"=5'



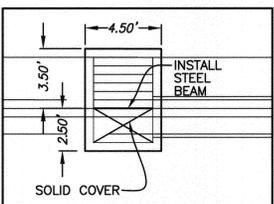
DOUBLE GRATE INLET #4

SCALE: 1"=5'



SINGLE GRATE INLET #1, 3 & 6

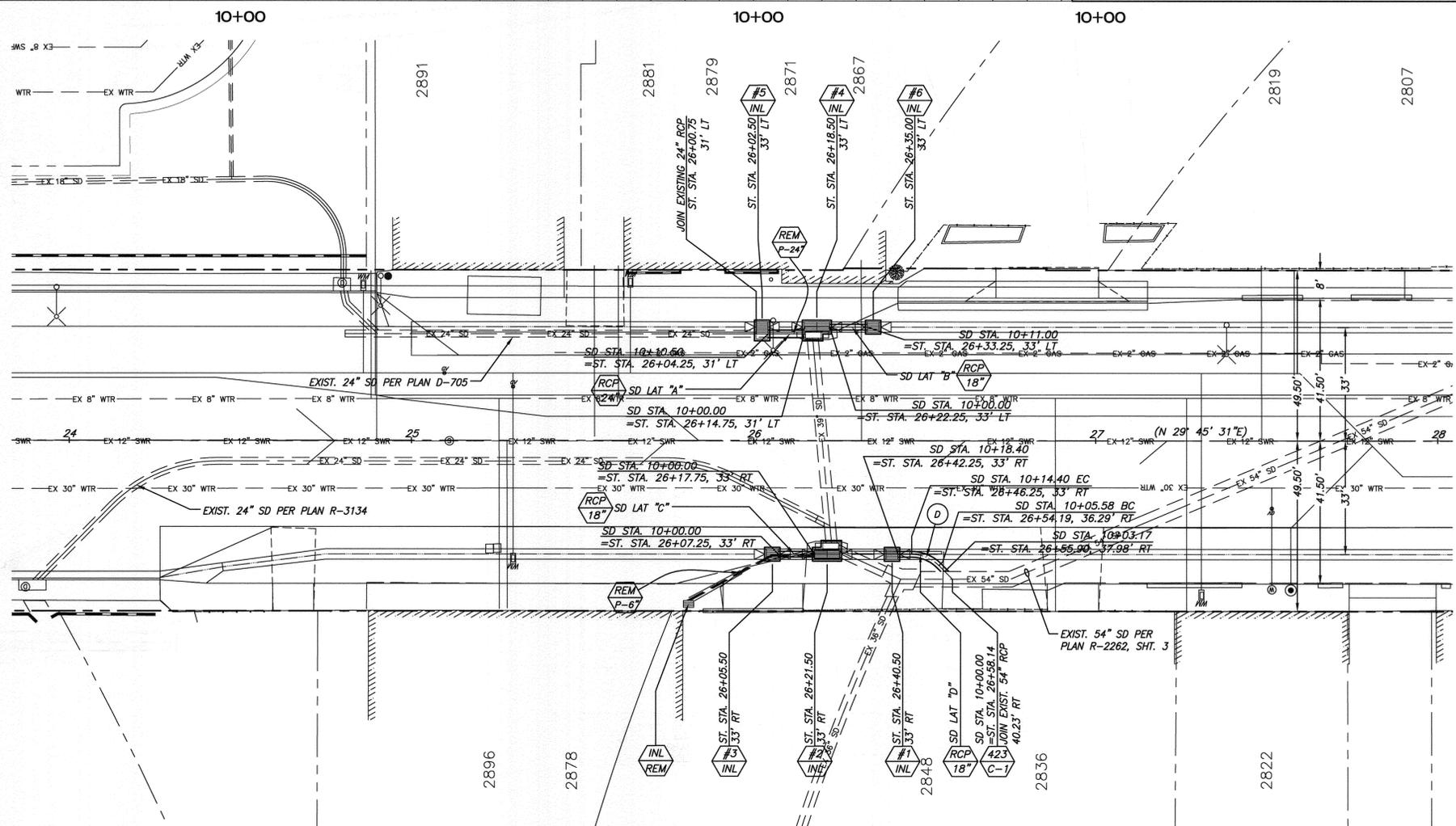
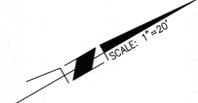
SCALE: 1"=5'



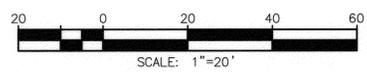
SINGLE GRATE INLET #5

SCALE: 1"=5'

CURVE TABLE					
CURVE	TANGENT	LENGTH	RADIUS	DELTA	BEARING
D	4.85'	8.82'	11.25'	44°56'51"	-



NOTE: UTILITIES SHOWN HEREON ARE APPROXIMATE. CONTRACTOR SHALL CONFIRM THE LOCATION AND DEPTH OF ALL UTILITIES SHOWN OR NOT SHOWN, INCLUDING ALL SERVICE LATERALS, AND COORDINATE THE RELOCATION OF ALL CONFLICTS PRIOR TO THE COMPLETION OF ANY PROPOSED STORM DRAIN IMPROVEMENTS. SERVICE LATERALS ONLY SHOWN IF SURFACE FACILITY FOUND TO CONFIRM THE GENERAL LOCATION OF LATERAL (I.E., METER, CLEANOUT)



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CITY OF RIVERSIDE  
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: [Signature]  
ENGINEERING MANAGER  
CONSTRUCTION ADMIN. [Signature]  
TRAFFIC DIVISION [Signature]  
SURVEY [Signature]  
STREETS

STREET MAINTENANCE  
MAIN STREET MAINTENANCE FROM THIRD STREET TO SR60 FREEWAY  
STORM DRAIN LATERAL "A", "B", "C" & "D"  
HORIZ. SCALE: 1"=20' VERT. SCALE: 1"=4'

DESIGN WORK ORDER NO.: 1212854  
CONSTR. WORK ORDER NO.: 1228819  
R-4222  
SHEET 8 OF 8  
FILE NAME: R4222-07.DWG

CALTRANS ENCROACHMENT PERMIT NO.: 08-12-N-MC-0025