

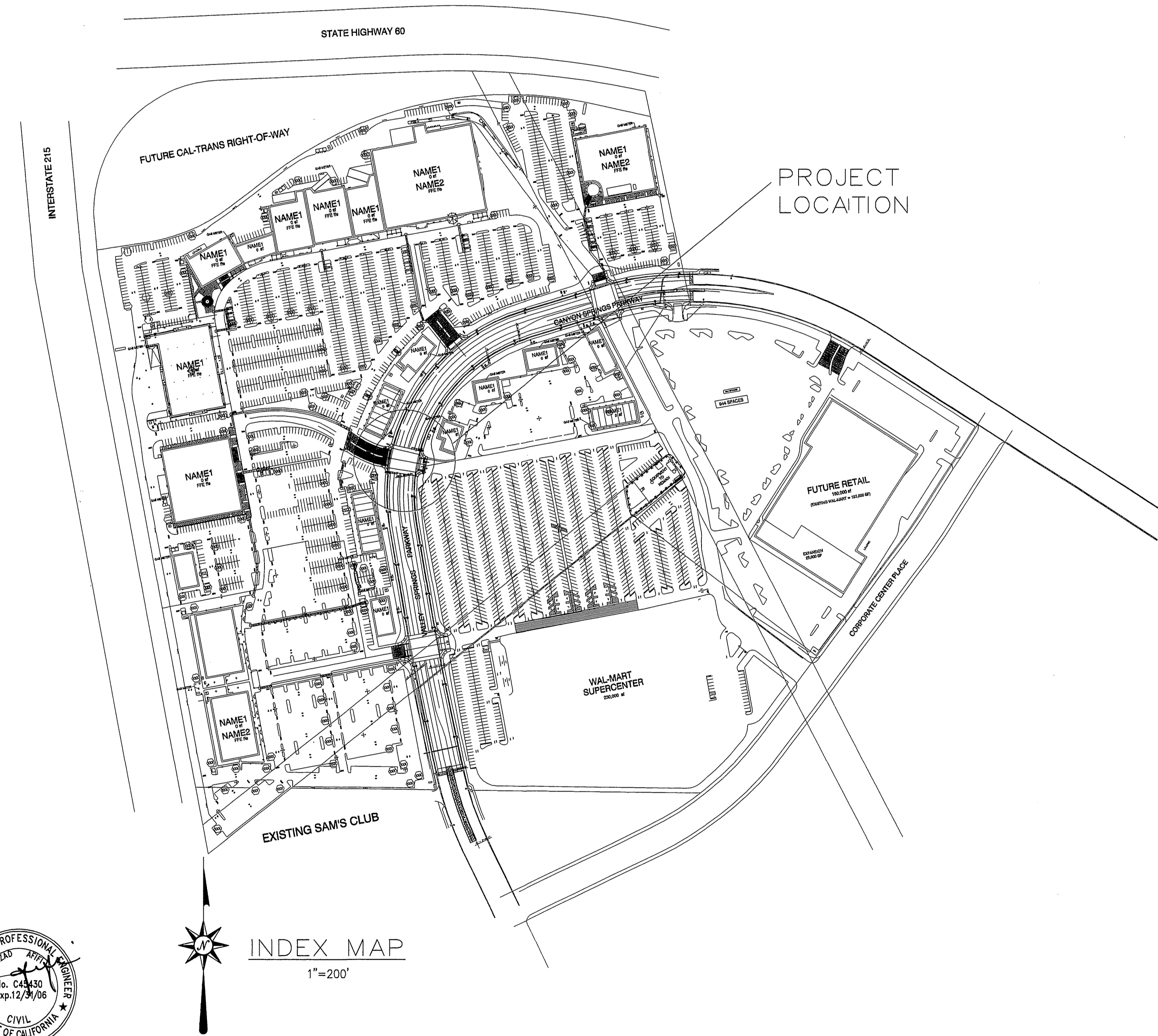
CITY OF RIVERSIDE TRAFFIC SIGNAL PLANS SIGNING AND STRIPING PLAN FOR VALLEY SPRINGS PARKWAY AND CANYON CROSSING

TRAFFIC SIGNAL NOTES:

1. ALL PULL BOXES SHALL BE #5 EXCEPT AS SHOWN OTHERWISE OR APPROVED BY THE ENGINEER. MAXIMUM SPACING SHALL BE 200'.
2. PEDESTRIAN PUSH BUTTON SHALL BE LOCATED ON THE SIDE OF THE SIGNAL STANDARD NEAREST THE CROSSWALK.
3. NOT USED
4. ALL SPARE CONDUCTORS SHALL BE CONTINUOUS WITH 3' OF SLACK IN EACH PULL BOX.
5. DETECTOR CURB TERMINATIONS PER CITY SPECIALS.
6. A MINIMUM OF 2 FEET OF CLEARANCE SHALL BE MAINTAINED BETWEEN TELEPHONE CONDUIT AND ELECTRICAL CONDUITS.
7. A MINIMUM OF 15 FEET OF CLEARANCE SHALL BE MAINTAINED BETWEEN THE CONTROLLER CABINET AND THE SERVICE EQUIPMENT.
8. ALL PULLBOXES IN UNIMPROVED AREAS SHALL BE TRAFFIC BEARING.
9. OBTAIN APPROVAL FOR EXACT EQUIPMENT LOCATIONS PRIOR TO FINAL PLACEMENT. PERFORM STRIPING REVISION PRIOR TO LOOP DETECTOR LAYOUT.
10. ALL VEHICLE INDICATIONS SHALL BE 12". PEDESTRIAN SIGNALS SHALL BE TYPE A, SYMBOL. ALL SIGNAL HEADS PER CITY OF RIVERSIDE SPECIAL PROVISIONS.
11. ALL LOOPS SHALL BE 6" ROUND WITH 10' AND 15' SPACING IN THE DIRECTION OF TRAVEL AND CENTERED IN THE LANE EXCEPT AS SHOWN. PLACE DETECTOR LOOPS 1' BEHIND LIMIT LINE UNLESS OTHERWISE INDICATED. LOOPS SHALL BE TESTED AND APPROVED PRIOR TO FILLING SAWCUTS.
12. CONDUIT SHALL BE RIGID STEEL UNLESS OTHERWISE NOTED ON PLANS. MINIMUM CONDUIT SIZE SHALL BE 2 INCH UNLESS OTHERWISE SPECIFIED. ALL CONDUIT UNDER PAVING SHALL BE INSTALLED WITHOUT OPEN CUTTING.
13. ALL INDICATIONS SHALL BE L.E.D.

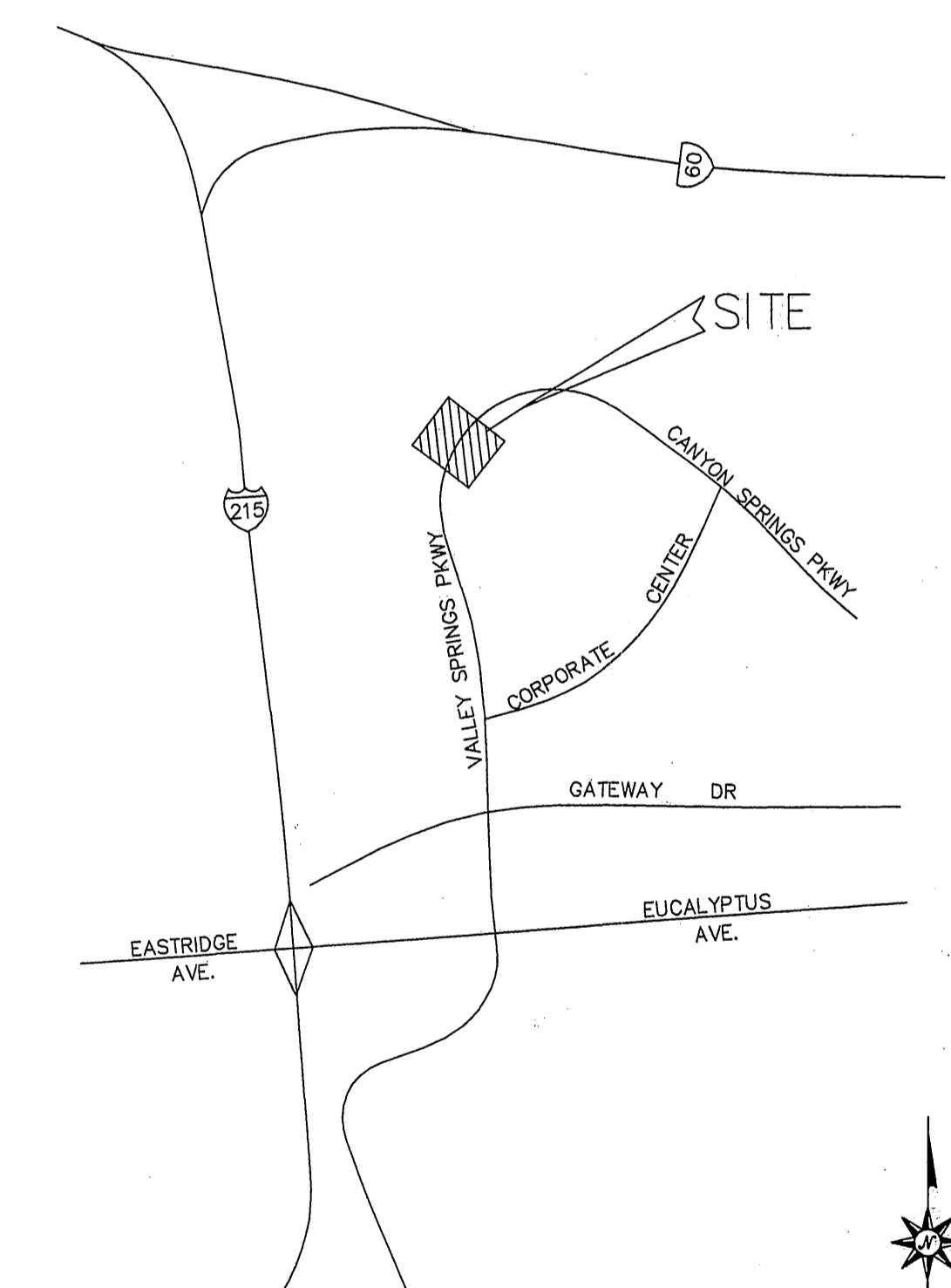
SIGNING AND STRIPING GENERAL NOTES:

1. TRAFFIC STRIPES, PAVEMENT MARKINGS AND DELINEATORS PER CALTRANS TRAFFIC MANUAL MAINTENANCE MANUAL, STD. PLANS AND STD. SPECIFICATIONS, LATEST EDITION.
2. ALL SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE NOTED ON PLANS. SIGNS SHALL BE INSTALLED ON 4" x 4" WOOD POSTS WITH ANCHOR BLOCKS UNLESS OTHERWISE NOTED ON THE PLAN.
3. ALL STRIPES, SIGNS, AND PAVEMENT MARKINGS SHALL BE REFLECTORIZED. STENCILS FOR PAVEMENT MARKINGS SHALL MATCH COUNTY FEDERAL METRIC STANDARD STENCILS EXACTLY. ALL STRIPING AND MARKING DETAILS SHALL MATCH CALTRANS STANDARD PLAN DETAILS.
4. ALL CONFLICTING STRIPES AND PAVEMENT MARKINGS SHALL BE REMOVED BY SANDBLASTING OR GRINDING. CONFLICTING SIGNS AND RAISED PAVEMENT MARKERS SHALL BE REMOVED. ALL REMOVALS OF SIGNS AND MARKINGS SHALL BE THE RESPONSIBILITY OF THE DEVELOPER OR APPLICANT.
5. PAINTED TRAFFIC STRIPES AND PAINTED PAVEMENT MARKINGS (IF ALLOWED) SHALL BE APPLIED IN TWO COATS. PAVEMENT MARKINGS SHALL BE APPLIED IN THERMOPLASTIC FORMAT UNLESS APPROVED OTHERWISE.
6. ALL REMOVED SIGNS SHALL BE SALVAGED AND DELIVERED TO THE CITY YARD AS DIRECTED BY THE CITY INSPECTOR ON THE JOB SITE.
7. THE CONTRACTOR INSTALLS SIGNS, AND PAINTED LANE AND THERMOPLASTIC LINES. INSTALLATION OF SIGNING AND STRIPING SHALL BE IN ACCORDANCE WITH THE APPROVED PLAN WITH ALL INCURRED COSTS BORNE BY THE DEVELOPER/APPLICANT.
8. RAISED PAVEMENT MARKERS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE STRIPING DETAILS SHOWN ON THE SIGNING AND STRIPING PLAN. INSTALLATION SHALL BE COMPLETE WITHIN SEVEN WORKING DAYS OF ROADWAY STRIPING.



GENERAL NOTES:

1. ALL MATERIAL AND WORK SHALL CONFORM TO THE STANDARD PLANS AND SPECIFICATIONS (JULY 1999) OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION AND LATEST EDITION OF CITY OF RIVERSIDE SPECIAL PROVISIONS.
2. LOCATIONS OF ALL UNDERGROUND UTILITIES ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS AND VERIFY ALL CONDITIONS ON THE JOB SITE PRIOR TO COMMENCING WORK. THE CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE CONTRACTOR SHALL NOTIFY ALL CONCERNED UTILITY COMPANIES AT LEAST 48 HOURS IN ADVANCE OF EXCAVATION. CALL UNDERGROUND SERVICE ALERT AT (800) 227-2600. HAND DIG UNTIL CLEAR OR OBSTRUCTION AS DIRECTED BY THE ENGINEER.
3. SEE CALTRANS STANDARD PLANS ES-1A AND ES-1B FOR SYMBOL AND ABBREVIATION LEGEND.
4. EXISTING PRIVATELY OWNED IMPROVEMENTS ON PUBLIC RIGHT-OF-WAY SHALL BE PROTECTED OR REPLACED, AS DIRECTED BY THE ENGINEER.
5. THE CITY RIGHT-OF-WAY SHALL BE KEPT CLEAN OF DEBRIS, WITH DUST AND OTHER NUISANCES BEING CONTROLLED AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CLEAN UP ON COUNTY RIGHT-OF-WAY AFFECTED BY HIS CONSTRUCTION. METHOD OF STREET CLEANING SHALL BE DRY SWEEPING OF ALL PAVED AREAS. THERE SHALL BE NO STOCKPILING OF CONSTRUCTION MATERIALS WITHIN THE CITY RIGHT-OF-WAY WITHOUT THE PERMISSION OF THE INSPECTOR.
6. ALL PAVEMENT DELINEATION AND SIGN REQUIREMENTS SHALL BE COMPLETED PRIOR TO SIGNAL TURN-ON.
7. DETECTOR LOOP INSTALLATION SHALL BE APPROVED BY THE RESIDENT ENGINEER.
8. DISTANCE TO OVERHEAD POWER LINES FROM ALL SIGNAL HEADS AND LUMINARIES SHALL BE MIN. 10'.



VICINITY MAP
N.T.S.

INDEX OF SHEETS

SHT NO.(S)	DESCRIPTION
1	TITLE SHEET
2	TRAFFIC SIGNAL PLAN



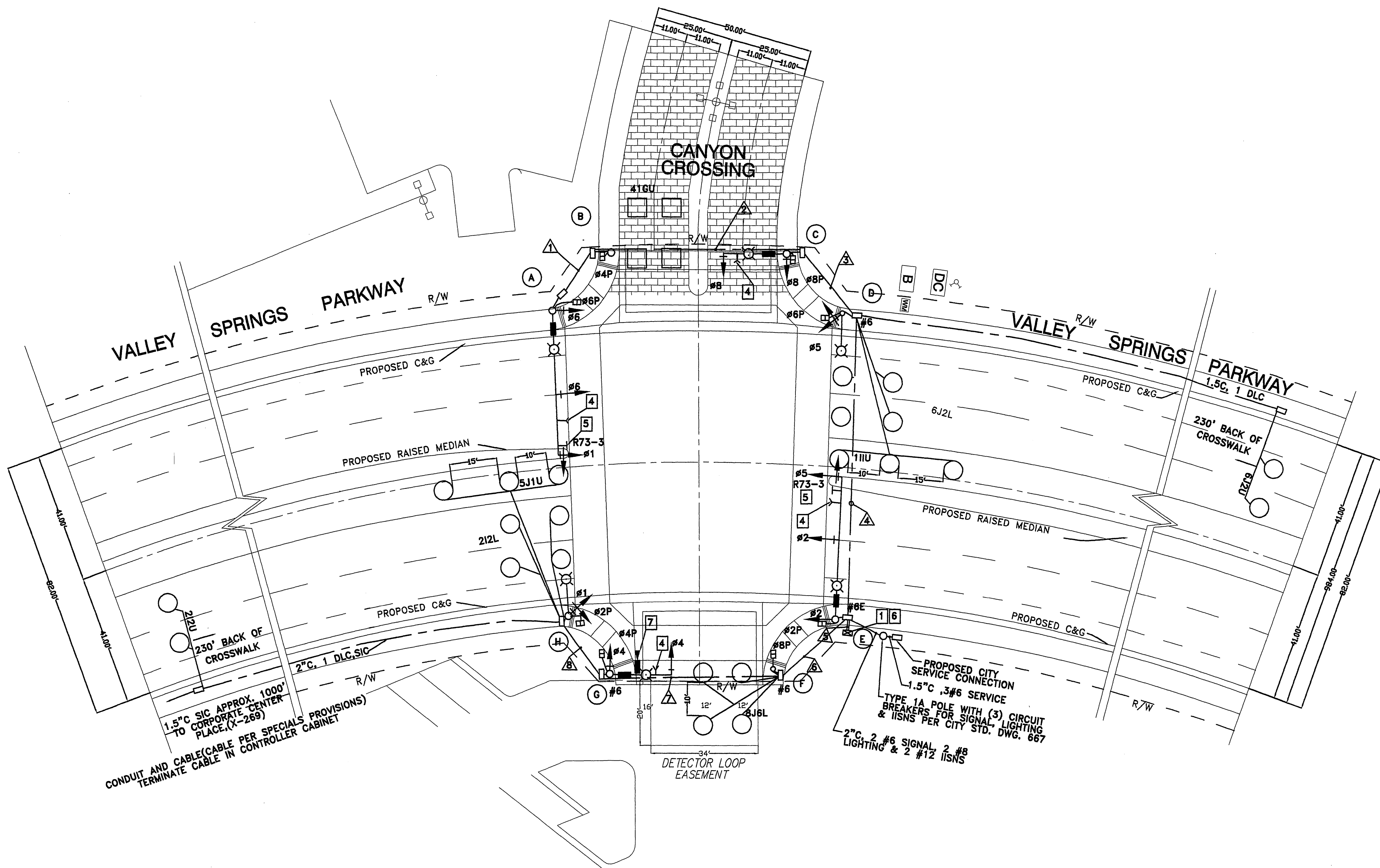
CITY BUSINESS TAX CERTIFICATE NO. 111396 EXP. 05-15-2006
PACIFIC ENGINEERING GROUP
 CONSULTANT ENGINEERING
 5225 CANYON CREST DR #71-113 (951) 780-1221
 RIVERSIDE, CA 92507
 APPROVED BY: *[Signature]* DATE: 10/20/05
 R.C.E. NO. C45430
 W.O. 05140

BENCH MARK:
 MARK: _____ APPR. DATE: _____
 DESIGNED BY: MA _____ CHECKED BY: MA _____

CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 APPROVED BY: _____ BY: *[Signature]* DATE: 10/20/05
 PRINCIPAL ENGINEER
 TRAFFIC DIVISION
 Public Utilities
 DATE: *[Signature]*

TRAFFIC SIGNAL PLAN
 TITLE SHEET
 VALLEY SPRINGS PARKWAY
 AND
 CANYON CROSSING
 SCALE: HORIZ.: 1"=20' VERT.: N/A

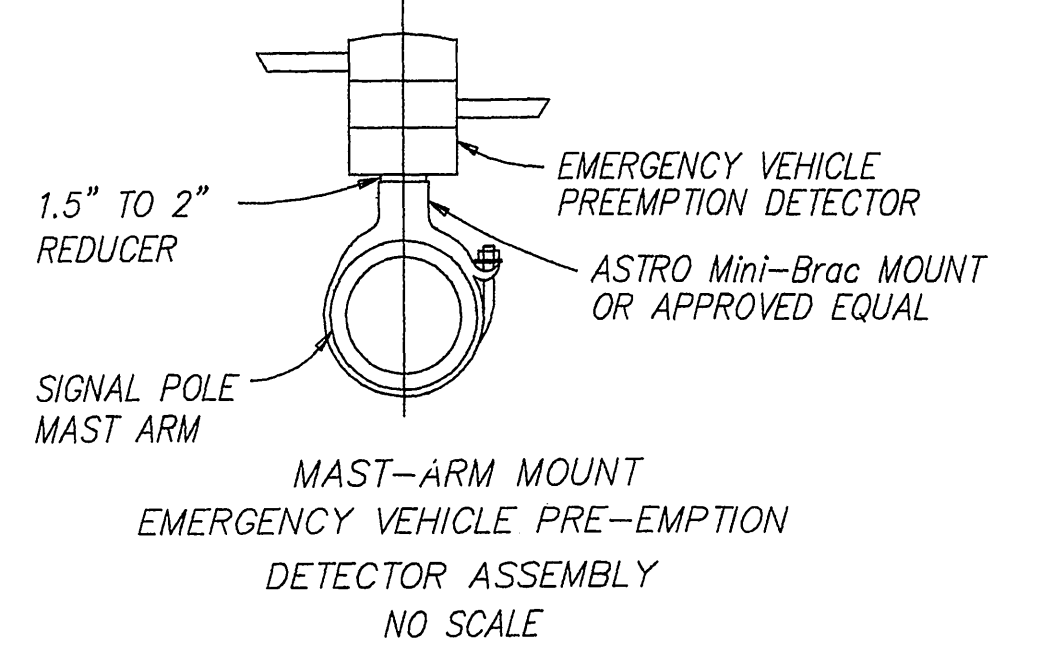
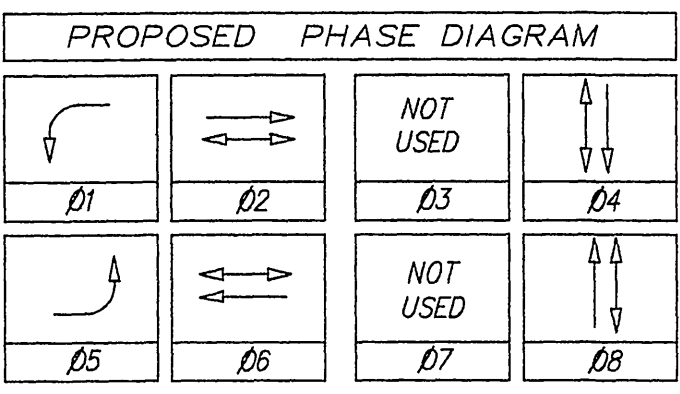
ACCOUNT NO.
 DRAWING NUMBER
 X-278
 SHEET 1 of 3



- CONSTRUCTION NOTES:**
- 1 - INSTALL MODEL 170 E CONTROLLER ASSEMBLY WITHIN A MODEL 332 ALUMINUM CABINET PER CALTRANS STD. PLAN ES-4B AND CITY OF RIVERSIDE SPECIAL PROVISIONS.
 - 2 - NOT USED
 - 3 - NOT USED
 - 4 - INSTALL EMERGENCY VEHICLE OPTICAL DETECTOR ON MAST ARM PER DETAIL SHOWN HEREON OR AS DIRECTED BY INSPECTOR FOR NON MAST-ARM MOUNT. INSTALL PHASE SELECTOR IN CONTROLLER CABINET, (ONLY 2 CHANNEL PHASE SELECTIONS ARE ACCEPTABLE PER CITY SPECIAL PROVISION)
 - 5 - FURNISH AND INSTALL SIGN ON MAST ARM AS SHOWN PER CALTRANS ES-7N, DETAIL "U".
 - 6 - CONTRACTOR SHALL FURNISH AND INSTALL COMPLETE DETECTION FOR 8 PHASES, VIDEO DETECTION PROCESSING UNITS, COMPATIBLE WITH THE MODEL 170 CONTROLLER INPUT FILE, ASSOCIATED CABLES AND SOFTWARE.
 - 7 - INSTALL VIDEO DETECTION CAMERA PER CITY OF RIVERSIDE STANDARD.

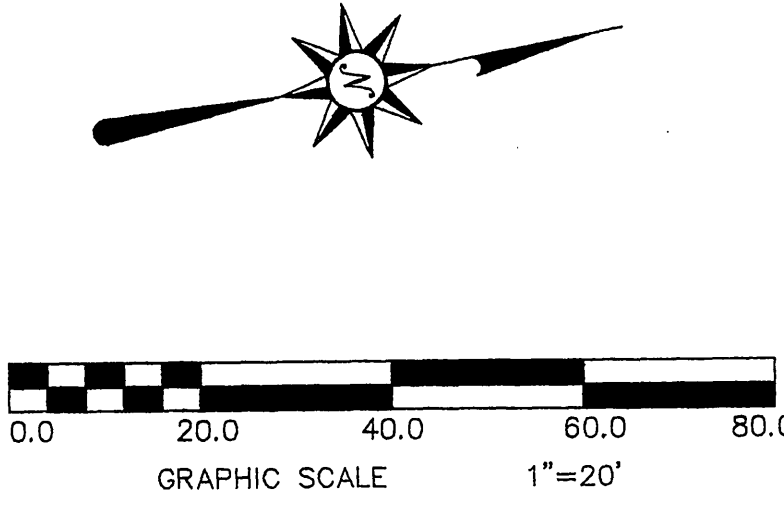
PROPOSED CONDUCTOR TABLE

CONTROL FUNCTION	CONDUCTORS	CONDUCTOR RUNS							
		▲	▲	▲	▲	▲	▲	▲	▲
VEHICLE & PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTONS, SPARES & COMMONS	12 CONDUCTOR IMSA 9 CONDUCTOR IMSA 5 CONDUCTOR IMSA 3 CONDUCTOR IMSA	1	2	3	4	8	3	2	1
DETECTOR CABLE	#16/2	-	-	-	1	1	-	-	-
PHASE 1	#16/2	-	-	-	-	2	2	2	2
PHASE 2	#16/2	-	-	-	-	-	-	-	-
PHASE 4	#16/2	-	-	-	-	-	-	-	-
PHASE 5	#16/2	-	-	-	-	-	-	-	-
PHASE 6	#16/2	-	-	-	2	2	-	-	-
PHASE 8	#16/2	-	-	-	-	1	1	-	-
TOTALS	#16/2	0	-	-	3	6	3	2	2
EVPE CABLE	#20/4	1	1	2	2	4	1	1	-
IISNS	#12	2	2	2	2	2	2	2	-
LUMINAIRES	#8	2	2	2	2	2	2	2	2
SIGNAL SERVICE	#6	-	-	-	-	2	-	-	-
INTERCONNECT	6 PAIR #19	-	-	-	-	1	1	1	1
VIDEO POWER						1	1	1	
COAX CABLE						1	1	1	
CONDUIT SIZE		2"	3"	3"	3 1/2"	2-3"	3"	3"	3"



PROPOSED POLE SCHEDULE

No.	STANDARD TYPE	HGT.	SIG. M.A.	LUM. M.A.	LUMINAIRE HPS(240V)	IISNS LEGEND	SIGNAL MOUNTING			REMARKS	
							VEHICLE	PED	PPB PHASE		
(A)	26-4-129	30'	45'	12'	250W	CANYON CROSSING	MAS (2)	SV-1-T	SP-1-T	4	-
(B)	1-A	7'	-	-	-	-	-	-	TP-1-T	6	-
(C)	17-3-129	30'	20'	12'	200W	VALLEY SPRINGS	MAS	SV-1-T	SP-1-T	6	-
(D)	TYPE 15	30'	-	12'	250W	-	-	SV-1-T	SP-1-T	8	-
(E)	26-4-129	30'	45'	12'	250W	CANYON CROSSING	MAS (2)	SV-1-T	SP-1-T	8	-
(F)	1-A	7'	-	-	-	-	-	-	TP-1-T	2	-
(G)	17-3-129	30'	20'	12'	200W	VALLEY SPRINGS	MAS	SV-1-T	SP-1-T	2	-
(H)	TYPE 15	30'	-	12'	250W	-	-	SV-1-T	SP-1-T	4	-



CITY BUSINESS TAX CERTIFICATE NO. 111396 EXP. 05-15-2006

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5225 CANYON CREST DR #71-113 (951) 780-1221
RIVERSIDE, CA 92507
PEGRIVERSIDE@YAHOO.COM

APPROVED BY: _____ DATE: _____
R.C.E. NO. C45430

W.O. 05140

BENCH MARK:

MARK	REVISIONS	APPR.	DATE
DESIGNED BY: MA	DRAWN BY: MA	CHECKED BY: MA	

CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT

APPROVED BY: _____ BY DATE: _____
PRINCIPAL ENGINEER: PH 1/1/06
TRAFFIC DIVISION: 2 9/26/06

APPROVED BY: _____
CITY ENGINEER: _____
DATE: 8/5/06

TRAFFIC SIGNAL PLAN

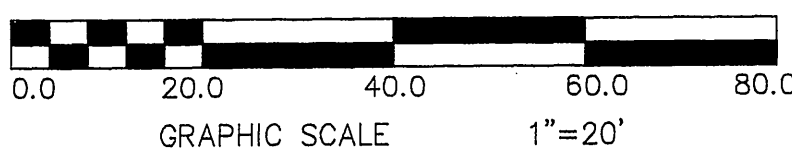
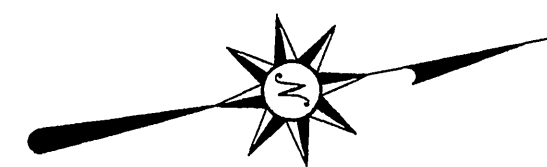
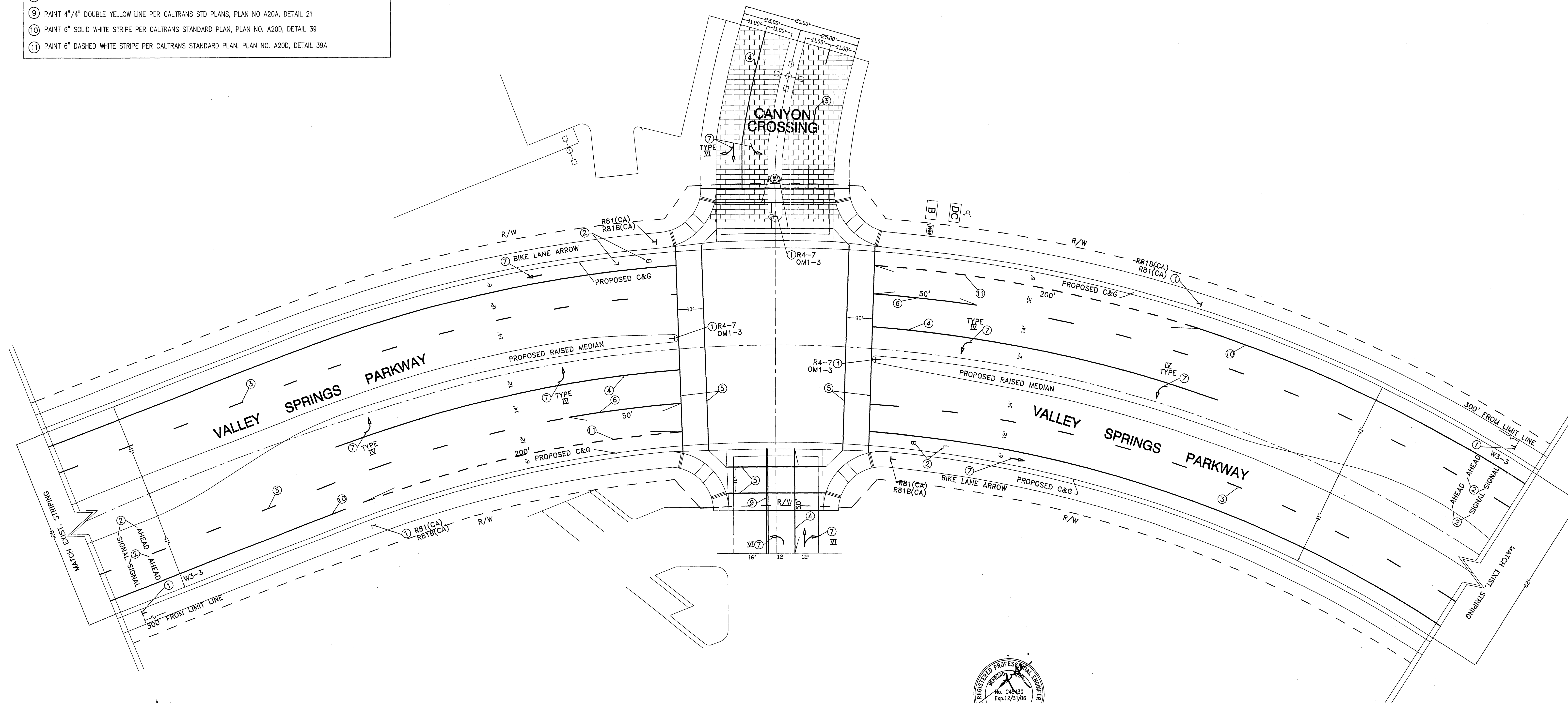
VALLEY SPRINGS PARKWAY AND CANYON CROSSING

SCALE: HORIZ.: 1"=20' VERT.: N/A

ACCOUNT NO. _____
DRAWING NUMBER: X-278
SHEET 2 OF 3

CONSTRUCTION NOTES

- ① INSTALL STANDARD SIZE SIGN AS INDICATED PER M.U.T.C.D. (2003) AND THE CALIFORNIA SUPPLEMENTAL.
- ② APPLY THERMOPLASTIC PAVEMENT MARKING PER CALTRANS STD. PLAN A24D.
- ③ PAINT 4" DASHED WHITE STRIPE PER CALTRANS STANDARD PLANS, PLAN NO. A20A, DETAIL 8
- ④ PAINT 8" SOLID WHITE STRIPE PER CALTRANS STANDARD PLAN, PLAN NO. A20D, DETAIL 3B.
- ⑤ APPLY THERMOPLASTIC 12" SOLID WHITE STRIPE PER CALTRANS STD. PLAN A24E
- ⑥ PAINT 4" SOLID WHITE STRIPE.
- ⑦ APPLY THERMOPLASTIC ARROW MARKING PER CALTRANS STANDARD PLAN NO. A24A.
- ⑧
- ⑨ PAINT 4"/4" DOUBLE YELLOW LINE PER CALTRANS STD PLANS, PLAN NO A20A, DETAIL 21
- ⑩ PAINT 6" SOLID WHITE STRIPE PER CALTRANS STANDARD PLAN, PLAN NO. A20D, DETAIL 3B.
- ⑪ PAINT 6" DASHED WHITE STRIPE PER CALTRANS STANDARD PLAN, PLAN NO. A20D, DETAIL 39A



LEGEND
B= BIKE
L= LANE

UNDERGROUND SERVICE ALERT
CALL: TOLL FREE
1-800
227-2600
TWO WORKING DAYS BEFORE YOU DIG

CITY BUSINESS TAX CERTIFICATE NO. 111396 EXP. 05-15-2006

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W.O. 05140

BENCH MARK:

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: MA DRAWN BY: MA CHECKED BY: MA



CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE	APPROVED BY
PRINCIPAL ENGINEER	MA	1/2/08	MA
TRAFFIC DIVISION	MA	1/2/08	MA

CITY ENGINEER

DATE: 1/2/08

SIGNING AND STRIPING

VALLEY SPRINGS PARKWAY
AND
CANYON CROSSING

SCALE: HORIZ.: 1"=20' VERT.: N/A

ACCOUNT NO.
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SHEET 3 OF 3