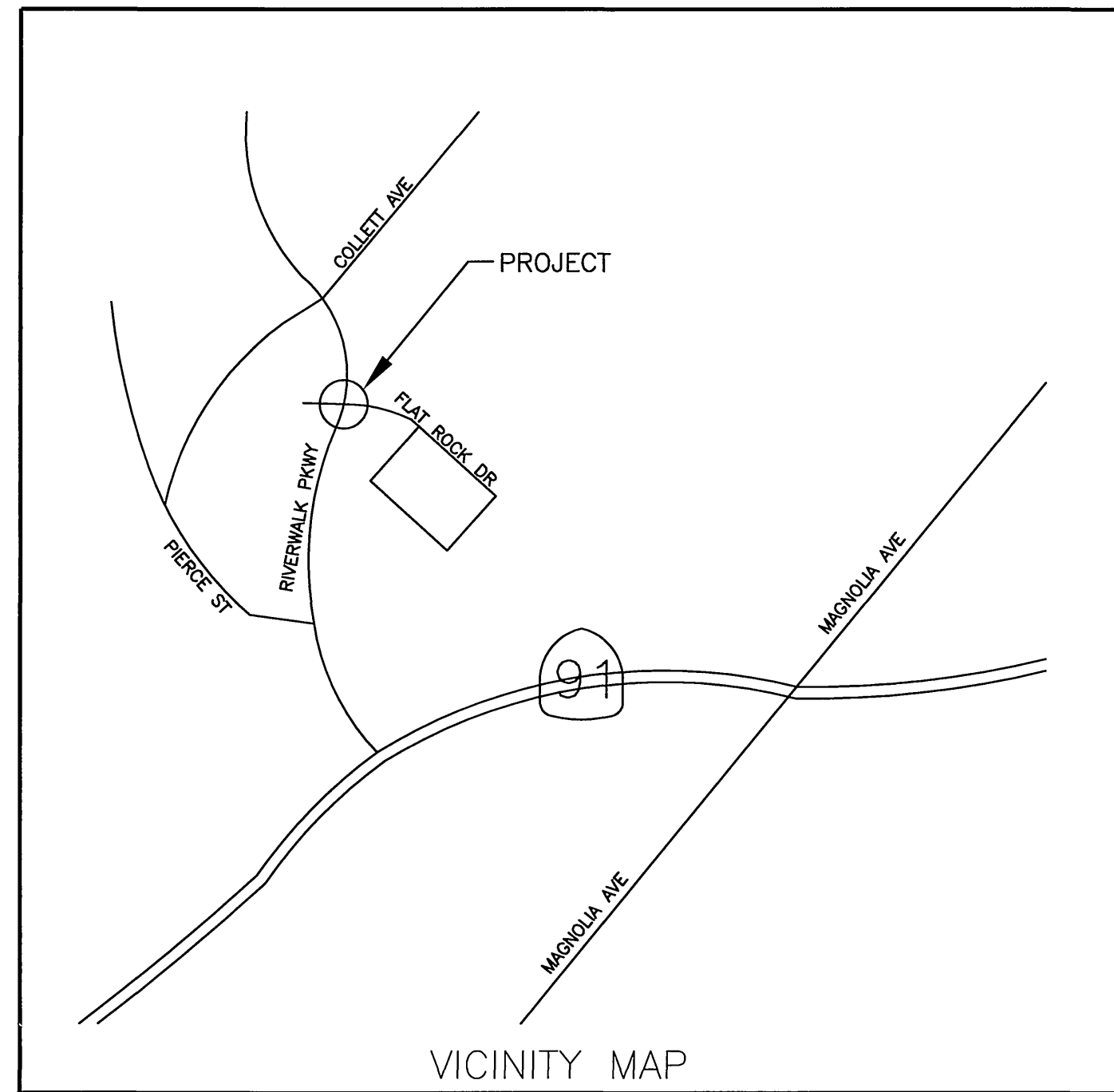


# CITY OF RIVERSIDE

## TRAFFIC SIGNAL, SAFETY LIGHTING, and SIGNING & STRIPING PLANS

### FOR

## RIVERWALK PARKWAY AT FLAT ROCK ROAD

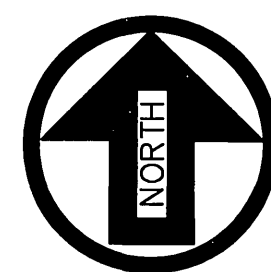


**TRAFFIC SIGNAL GENERAL NOTES:**

1. TRAFFIC SIGNALS AND LIGHTING SHALL CONFORM TO CALTRANS STANDARD SPECIFICATIONS, SECTION 86, AND STANDARD PLANS DATED MAY, 2006.
2. LOCATION OF ALL UNDERGROUND UTILITIES ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL UTILITIES AND SHALL VERIFY ALL CONDITIONS ON THE JOB SITE. FOUNDATIONS SHALL BE HAND DUG UNTIL CLEAR OF ALL OBSTRUCTIONS. CONTRACTOR SHALL TELEPHONE UNDERGROUND SERVICE ALERT (USA) AT 800-227-2600, FOR MARKING OF UTILITIES PRIOR TO ANY WORK. POT HOLING REQUIRED FOR UTILITIES SHOWN OR NOT SHOWN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND THE COSTS FOR SAME SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR TRAFFIC SIGNAL AND LIGHTING.
3. NEW PULLBOXES SHALL BE #5, AND NEW CONDUIT SHALL BE RIGID METAL, UNLESS INDICATED OTHERWISE ON PLANS.
4. DETECTOR LOOPS SHALL BE TYPE "E" AND INSTALLED IN THE PRESENCE OF THE TRAFFIC ENGINEER OR HIS REPRESENTATIVE.
5. CONTRACTOR SHALL OBTAIN APPROVAL FOR ALL EQUIPMENT LOCATIONS PRIOR TO PLACEMENT. CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL TRAFFIC STRIPING PRIOR TO DETERMINING LOOP DETECTOR LOCATIONS.
6. EXISTING STREET LIGHTING SHALL REMAIN IN PLACE AND OPERATIONAL UNTIL NEW TRAFFIC SIGNAL SAFETY LIGHTING IS OPERATIONAL.
7. ALL NEW TRAFFIC SIGNAL EQUIPMENT, LOOPS, AND CONDUCTORS SHALL BE INSTALLED PER THIS PLAN, AND THE CITY SPECIAL PROVISIONS.
8. THE INTERSECTION SHALL BE RESTRIPEDED PER THE TEMP TRAFFIC CONTROL STRIPING PLAN PRIOR TO OPERATION OF THE TRAFFIC SIGNALS. ANY EXISTING TRAFFIC CONTROLS OR MARKINGS IN CONFLICT WITH THE STRIPING PLAN OR THE TRAFFIC SIGNAL PLAN, INCLUDING STOP BARS, STOP SIGNS, AND LEGENDS, SHALL BE REMOVED, BY THE CONTRACTOR, BY WET SANDBLASTING.
9. THIS TRAFFIC SIGNAL WORK REQUIRES A "STREET-OPENING PERMIT" OBTAINED AT THE PUBLIC WORKS DEPARTMENT'S COUNTER ON THE THIRD FLOOR OF CITY HALL.
10. ALL NEW CABLES AND/OR CONDUCTORS TO BE INSTALLED INTO NEW AND EXISTING CONDUITS. CONTRACTOR SHALL CONSIDER RUNNING CONDUCTORS OVERHEAD WHEN CONDUITS ARE INACCESSIBLE.

**SIGNING AND STRIPING GENERAL NOTES:**

1. STRIPING, SIGNING OR PAVEMENT LEGENDS SHALL NOT BE INSTALLED PRIOR TO FIELD INSPECTION AND APPROVAL BY THE INSPECTOR.
2. ALL PAVEMENT MARKINGS AND LOCATION MUST BE INSPECTED AND APPROVED BEFORE STRIPING BEGINS. THE INSPECTOR SHALL DETERMINE THE EXACT LIMITS OF THE MATCH STRIPING.
3. ALL SIGNS SHALL USE DG-3 GRADE REFLECTIVE SHEETING AND BE A MINIMUM OF 30" X 30".
4. UNLESS OTHERWISE STATED, ALL STRIPING SHALL BEGIN AND TERMINATE AT THE CENTER DELTA OF THE CURB RETURN, OR BACK OF THE CROSSWALK OR STOP BAR.
5. ALL PAVEMENT MARKERS, STRIPING, AND PAVEMENT MARKINGS SHALL CONFORM TO THE CALTRANS STANDARD PLAN; A20-A THROUGH A24-E.
6. THE POST MATERIAL SHALL BE "TELESPAR QWIK-PUNCH" OR APPROVED EQUAL WITH RECEPTIVE 30-INCH OR 36-INCH ANCHOR ASSEMBLY.
7. ALL PAVEMENT STRIPING SHALL BE INSTALLED PER SECTION 84.3 OF THE CALTRANS STANDARD SPECIFICATIONS.
8. ALL PAVEMENT LEGENDS, LIMIT LINES, CROSSWALKS, AND ARROWS SHALL BE THERMOPLASTIC INSTALLED PER SECTION 84.2 OF THE CALTRANS STANDARD SPECIFICATIONS.



NO SCALE

TOWNSHIP:  
RANGE:  
SECTION:  
2007 THOMAS BROS. MAP PAGE; 744, C-1

## LOCATION MAP

### DIGALERT

DIAL BEFORE YOU DIG

TWO WORKING DAYS BEFORE YOU DIG

TOLL FREE 1-800-227-2600  
A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

NOTE:  
WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED.

DATE	BY	MARK	REVISIONS	APPR.	DATE

**SEAL**

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

APPROVED BY	BY	DATE	APPROVED BY
PRINCIPAL ENGINEER	<i>[Signature]</i>	11/30/07	<i>[Signature]</i>
TRAFFIC DIVISION			CITY ENGINEER
ENGINEERING MANAGER	<i>[Signature]</i>	11/30/07	
CONTR. ADMIN.			
			DATE <i>[Signature]</i>

SEAL

REGISTERED PROFESSIONAL ENGINEER

CARLETON WATERS

No. 52916

Exp. 12/31/08

CIVIL

STATE OF CALIFORNIA

5411 Avenida Encinas  
Suite 100  
Carlsbad, CA 92008  
Phone: (760) 931-0864  
Fax: (760) 931-1741

**URBAN**  
CORPORATION

CARLETON WATERS R.C.E. No. 52916  
EXP. DATE 12/31/08 FILE NO. \_\_\_\_\_

PREPARED BY: *[Signature]* R.C.E. NO. 52916  
DATE 11/30/07

SCALE: \_\_\_\_\_

H: \_\_\_\_\_ V: \_\_\_\_\_

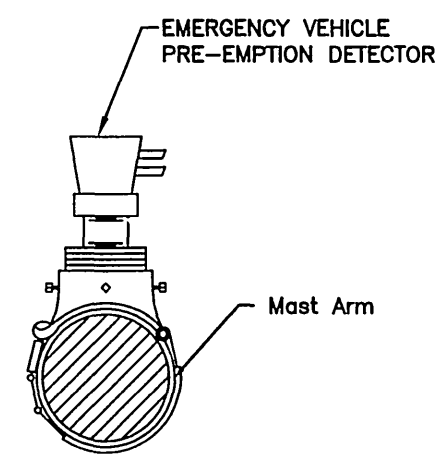
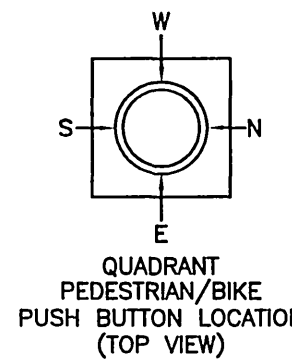
THESE TYPICAL PLANS ARE INTENDED TO BE USED AS GUIDELINES FOR ACTUAL TRAFFIC CONTROL PURPOSES. CONTRACTOR SHALL FOLLOW ANY TRAFFIC CONTROL MODIFICATIONS DEEMED NECESSARY BY THE COUNTY OF RIVERSIDE'S INSPECTION OR ENGINEERING AGENTS AT NO EXTRA COST OR DELAY.

<p style="font-size: 8px;">CITY OF RIVERSIDE <b>TITLE SHEET</b> RIVERWALK PARKWAY AT FLAT ROCK ROAD</p>	<p style="font-size: 8px;"><b>X-516</b></p> <p style="font-size: 8px;"><b>1 of 2</b> SHTS</p>	
FOR: TURNER DEVELOPMENT	W.O. 03986	CITY OF RIVERSIDE FILE NO.

CONDUCTOR SCHEDULE										
AWG SIZE OR CABLE TYPE	POLE OR CIRCUIT									
		1	2	3	4	5	6	7	8	9
12 COND.	POLE - A	1	1	1	1	1	1	1	1	1
	B	1	1	1	1	1	1	1	1	1
	C	1	1	1	1	1	1	1	1	1
	D	1	1	1	1	1	1	1	1	1
	E	1	1	1	1	1	1	1	1	1
3 COND.	F	1	1	1	1	1	1	1	1	1
	G	1	1	1	1	1	1	1	1	1
	H	1	1	1	1	1	1	1	1	1
	TOTAL	1	1	1	1	1	1	1	1	1
12	IISNS	2	2	2	2	2	2	2	2	2
	TOTAL	2	2	2	2	2	2	2	2	2
10	LUMINAIRES	2	2	2	2	2	2	2	2	2
	TOTAL	2	2	2	2	2	2	2	2	2
6	SIGNAL SERVICE	1	1	1	1	1	1	1	1	1
	TOTAL	1	1	1	1	1	1	1	1	1
TYPE 'B' DLC	Ø1	1	1	1	1	1	1	1	1	1
	Ø2	1	1	1	1	1	1	1	1	1
	Ø3	1	1	1	1	1	1	1	1	1
	Ø4	1	1	1	1	1	1	1	1	1
	Ø5	1	1	1	1	1	1	1	1	1
	Ø6	1	1	1	1	1	1	1	1	1
	Ø7	1	1	1	1	1	1	1	1	1
	Ø8	1	1	1	1	1	1	1	1	1
TOTAL	3	3	5	5	5	5	5	5	5	
OPTICOM CABLE		1	1	1	1	1	1	1	1	1
CONDUIT SIZE (INCHES)		2.0"	3.0"	4.0"	2.0"	3.0"	3.0"	4.0"	4.0"	2.4"

CONSTRUCTION NOTES: (THIS SHEET)

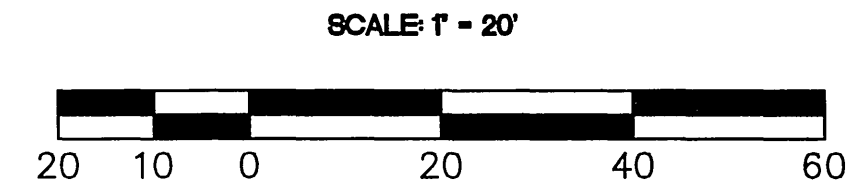
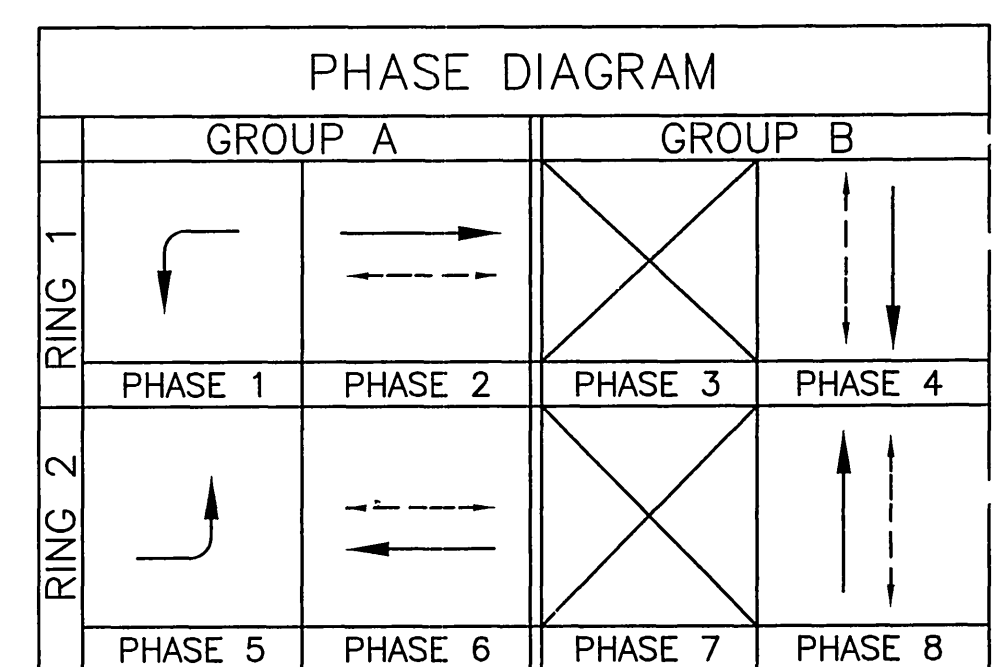
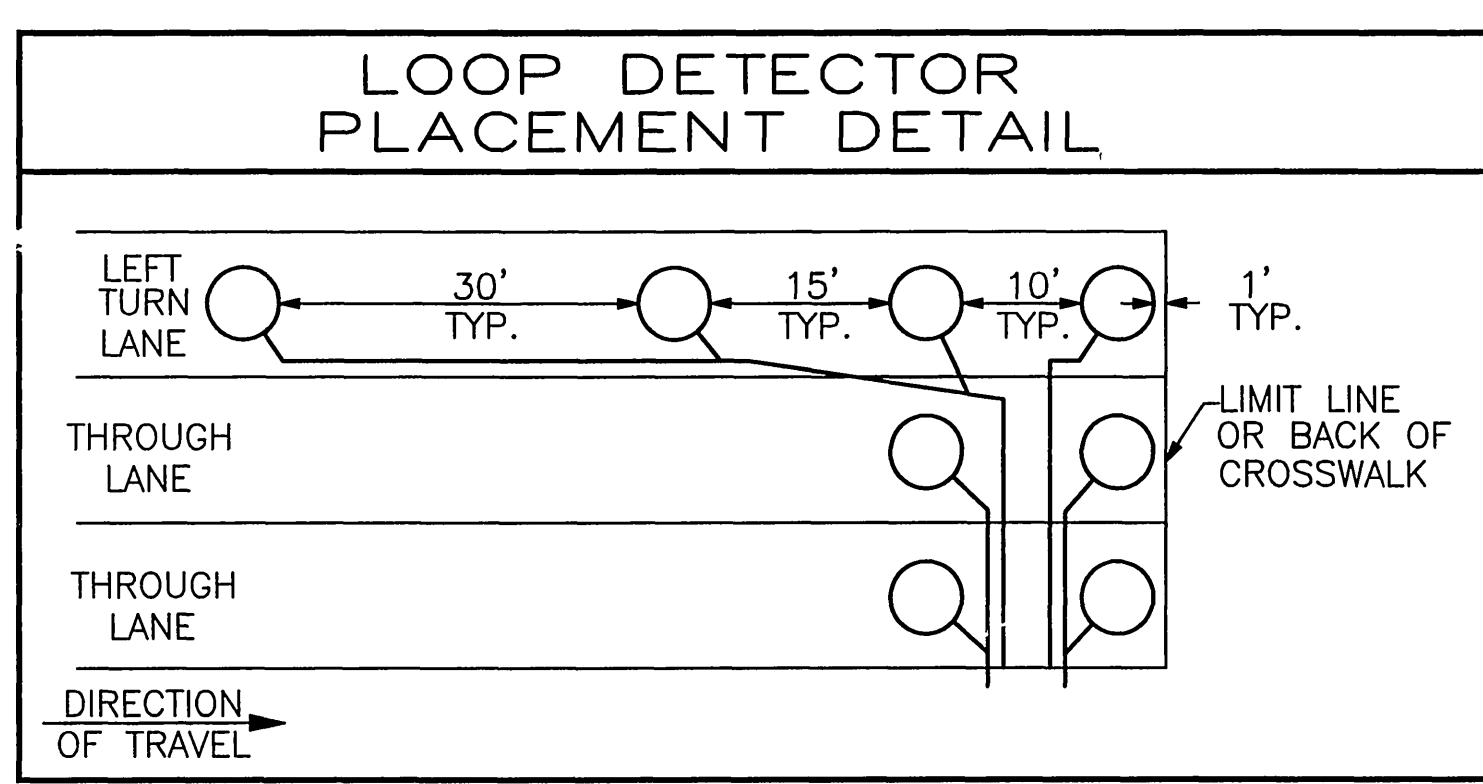
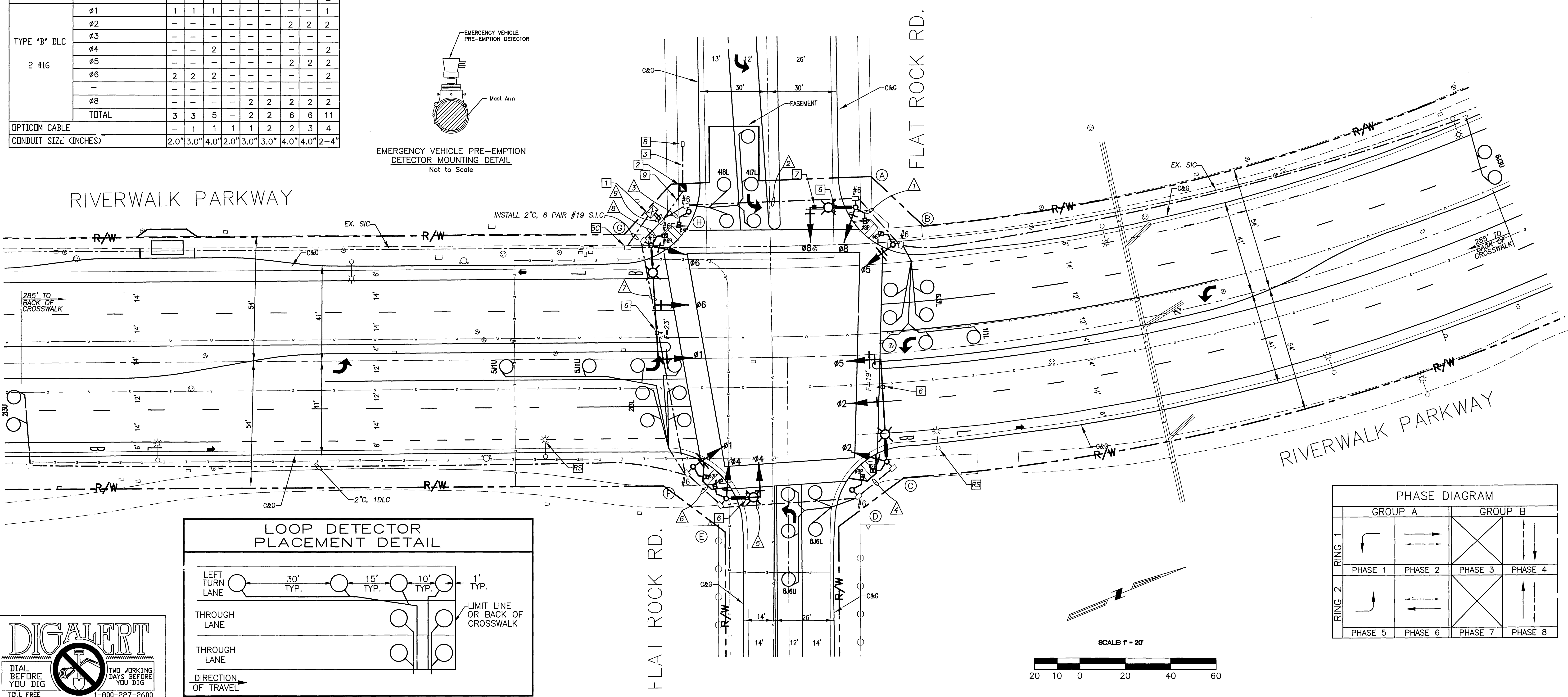
- FURNISH AND INSTALL TYPE 170E CONTROLLER ASSEMBLY IN 332 CABINET WITH COORDINATION, DETECTOR SENSORS AND AUXILIARY EQUIPMENT FOR FULL 8 PHASE OPERATIONS. EXACT LOCATION PER ENGINEER. INSTALL CLARY BATTERY BACK UP SYSTEM MODEL SF1250PD-R/W PLUS. BATTERY BACK UP MAIN UNIT SHALL BE RACK MOUNTED, BATTERIES SHALL BE MOUNTED IN AN EXTERNAL CABINET.
- INSTALL 120/240V SERVICE PER C/R STD. DWG. 667.
- INSTALL 2" C, 3#6
- N/A
- N/A
- INSTALL MODEL 722 OR 711 OPTICOM DETECTOR, MODEL 138 DETECTOR CABLE AND MODEL 762 RACK MOUNTED PHASE SELECTOR EQUIPMENT. SEE DETECTOR MOUNTING DETAIL.
- INSTALL R73-3(CA) SIGN ON MAST ARM.
- HAND HOLE SERVICE POINT.
- 2" C, 2#10(LUMINAIRE) AND 2#12(IISNS), 2#6(SERVICE).
- REMOVE AND SALVAGE.
- BOX TO CONDUIT.



EMERGENCY VEHICLE PRE-EMPTION DETECTOR MOUNTING DETAIL  
Not to Scale

No.	Type	STANDARDS			VEH. SIG. MTG.		PED. SIG. MTG.	P.P.B. Ø	H.P.S. Luminaire	STANDARD SHAFT MOUNTED I.I.S.N.S. (SEE SPECIAL PROVISIONS)	PED SIGNAL AUDIBLE
		HEIGHT	Sig. M.A.	Lum. M.A.	MAST ARM	POLE					
(A)	17-3-100	30'	20'	12'	MAS	SV-1-T	SP-1-T	6	E	250W	"Riverwalk" PKWY 11600 ((P))
(B)	1A	10'	-	-	-	TV-1-T	SP-1-T	8	S	-	((C))
(C)	26-4-100	30'	45'	12'	2-MAS	SV-1-T	SP-1-T	8	S	250W	"Flat Rock" RD 4100 ((C))
(D)	1A	7'	-	-	-	-	TP-1-T	2	W	-	((P))
(E)	17-2-100	30'	15'	12'	MAS	SV-1-T	SP-1-T	2	W	250W	"Riverwalk" PKWY 11700 ((P))
(F)	1A	10'	-	-	-	TV-1-T	SP-1-T	4	N	-	((C))
(G)	29-5-100	30'	50'	12'	2-MAS	SV-1-T	SP-1-T	4	N	250W	"Flat Rock" RD 4200 ((C))
(H)	1A	7'	-	-	-	-	TP-1-T	6	E	-	((P))

CONSTRUCTION NOTES:  
 IISNS - INTERNALLY ILLUMINATED STREET NAME SIGN.  
 P.P.B. - PEDESTRIAN PUSH BUTTON  
 ((C)) OR ((P)) - INDICATES AUDITORY PEDESTRIAN SIGNAL TO BE INSTALLED. ((C)) INDICATES CUCKOO SOUND. ((P)) INDICATES PEEP-PEEP SOUND.  
 EXACT POLE LOCATIONS DETERMINED BY ENGINEER IN THE FIELD. POTHOLE POLE FOUNDATIONS PRIOR TO ORDERING POLES & MAST ARMS.



**DIGALERT**  
 DIAL BEFORE YOU DIG  
 TWO WORKING DAYS BEFORE YOU DIG  
 TOLL FREE 1-800-227-2600  
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DATE	BY	MARK	REVISIONS	APPR.	DATE

SEAL  
**CITY OF RIVERSIDE, CALIFORNIA**  
**PUBLIC WORKS DEPARTMENT**  
 APPROVED BY: [Signature] DATE: 11/30/07  
 TRAFFIC DIVISION  
 ENGINEER  
 FOR: ADMIN  
 PUBLIC UTILITIES

SEAL  
**CARLETON WATERS**  
 No. 52916  
 Exp. 12/31/08  
 CIVIL  
 STATE OF CALIFORNIA

**URBAN CROSSROADS**  
 5411 Avenida Encinas  
 Suite 100  
 Carlsbad, CA 92008  
 Phone: (760) 931-0664  
 Fax: (760) 931-1741  
 CARLETON WATERS R.C.E. No. 52916  
 EXP. DATE 12/31/08 FILE NO. \_\_\_\_\_  
 PREPARED BY: [Signature] R.C.E. No. 52916  
 DATE 11/30/07 SCALE: H: V:

**CITY OF RIVERSIDE**  
**TRAFFIC SIGNAL AND LIGHTING PLAN**  
**RIVERWALK PARKWAY AT FLAT ROCK ROAD**  
 X-516  
 2 of 2 SHTS  
 FOR: TURNER DEVELOPMENT W.O. 03986 CITY OF RIVERSIDE FILE NO.