

CITY OF CULVER CITY  
PUBLIC WORKS DEPARTMENT  
(310) 253-5600

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UTILITY COMPANY CONTACTS

COMPANY	CONTACT	PHONE NO.
UNDERGROUND SERVICE ALERT	AARON BELL	1-800-227-2600
SOUTHERN CALIFORNIA GAS COMPANY	VICTOR PELAYO	(310) 605-7918
GOLDEN STATE WATER COMPANY	BEA COLEMAN	(562) 236-6484
SOUTHERN CALIFORNIA EDISON	BRYAN LANTZ	(310) 315-3215
MCI WORLDCOM/VERIZON BUSINESS	ALAN SETTLES	(813) 740-1231
AT&T	SHAHRAM FADAKAR	(626) 308-4042
LADWP - WATER	RACHEL BASS	(310) 367-5659
LADWP - SEWER	DAVE BELL	(310) 575-8612
TIMEWARNER CABLE	MIKE ROBERTS	(310) 216-3679
CHEVRON PIPELINE COMPANY	TRACY CINDY	(714) 231-8851
EXXON MOBILE OIL CORPORATION	CHARLES HOPPER	(310) 212-1794
MWD-SUBSTRUCTURES	MICHAEL KENWAY	(310) 613-5355
VERIZON	KEVIN SULLIVAN	(310) 264-5125
ABOVENET		(714) 236-8502

UTILITY NOTICE

THE EXISTENCE OR LOCATION OF ANY UNDERGROUND UTILITIES, PIPES, STRUCTURES, ETC. WHICH WERE NOT VISIBLE FOR FIELD VERIFICATION AND ARE SHOWN ON THIS PLAN SET, WERE SHOWN FROM INFORMATION PROVIDED BY OTHERS NOT CONNECTED WITH KOA CORPORATION. THE UNDERGROUND UTILITIES ARE SHOWN FOR INFORMATION PURPOSES ONLY AND DO NOT REPRESENT PRECISE LOCATIONS OR DEPTHS. ANY CONSTRUCTION RELATIVE TO UNDERGROUND UTILITIES MUST REQUIRE THE CONTRACTOR OR OTHERS TO ASCERTAIN THE EXISTENCE OR THE TRUE LOCATION AND DEPTH OF ANY UNDERGROUND UTILITIES. VERIFICATION OF LOCATION AND DEPTH OF UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. NONCOMPLIANCE OF VERIFICATION HOLDS KOA CORPORATION HARMLESS FROM ANY DAMAGES OR LOSSES INCURRED.



Plan Prepared By:

**KOA CORPORATION**  
PLANNING & ENGINEERING  
1100 Corporate Center Drive, Suite 201  
Monterey Park, California 91754-7632  
Tel: (323) 260-4703 Fax: (323) 260-4705

Date

NO.

BY APPR. DATE

FOX HILLS NEIGHBORHOOD IMPROVEMENT PROJECT  
TITLE SHEET

DESIGNED BY GSC	DATE 05/07/17	SCALE HORIZ: N/A VERT: N/A	CHECKED BY JOHN FISHER, P.E.
DRAWN BY JG/JFB	DATE 05/07/17	PROJECT NUMBER	APPROVED BY CHARLES D. HERBERTSON, P.E.
FIELD BOOK REFERENCE			
Sheet 1 Of 8 Sheets		Plan No.	

PLAN NO.

GENERAL NOTES (CONT'D)

TRAFFIC SIGNAL GENERAL NOTES:

- ALL MATERIAL AND WORK SHALL CONFORM TO THE LATEST EDITIONS OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CALIFORNIA MUTCD), STANDARD PLANS AND STANDARD SPECIFICATIONS OF THE CALIFORNIA DEPARTMENT OF TRANSPORTATION, FHWA STANDARD HIGHWAY SIGNS, CALIFORNIA SIGN SPECIFICATION, AND THE SPECIAL PROVISIONS.
- ALL MATERIAL AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR NEW AND UNUSED, UNLESS OTHERWISE NOTED.
- SIGNAL POLES, CONTROLLER CABINET, PULL BOXES, AND SERVICE CABINET SHALL BE CONSISTENT WITH THE DESIGN PLANS BUT MAY BE ADJUSTED BY THE CITY SIGNAL TECHNICIAN IN THE FIELD AS NECESSARY.
- ALL WIRING SHALL BE MARKED (TAGGED) WITHIN THE CONTROLLER CABINET AND PULL BOXES FOR PHASE IDENTIFICATION.
- UNLESS SHOWN OTHERWISE, DETECTOR LOOPS SHALL BE INSTALLED PER CITY OF LOS ANGELES DEPARTMENT OF TRANSPORTATION (LADOT) STANDARD PLANS S-70.0, S-70.1A AND S-70.1 D, EXCEPT THAT THE SEPARATION BETWEEN LOOPS SHALL BE 10 FEET. THE NEAR EDGE OF LIMIT LINE DETECTORS SHALL BE ONE FOOT UPSTREAM FROM THE CENTER OF THE LIMIT LINE. ADVANCE DETECTORS SHALL BE SEPARATELY WIRED TO EACH LANE AND CENTERED IN EACH LANE.
- ALL NEW TRAFFIC SIGNAL HEAD AND PEDESTRIAN HEAD HOUSINGS SHALL BE BLACK POLYCARBONATE WITH COLOR RETENTION. NEW TRAFFIC SIGNAL INDICATIONS SHALL BE 12" LED TYPE AND PEDESTRIAN INDICATIONS SHALL BE TWO-SECTIONS WITH LED LAMPS AND WITH COUNTDOWN NUMERALS, UNLESS OTHERWISE SPECIFIED.
- ALL LOOPS SHALL BE PROPERLY LABELED IN THE PULL BOXES.
- ALL MULTI-CONDUCTOR CABLES SHALL BE LABELED PER PHASE IN EACH PULL BOX IF THE COLOR INDICATION CHANGE.
- ALL SIGNAL EQUIPMENT SHALL BE WIRED IN ACCORDANCE WITH THE SIGNAL PHASE DIAGRAM.
- NEW CONDUIT SHALL BE 4" PVC SCHEDULE 80, UNLESS OTHERWISE NOTED.
- NEW PULL BOXES SHALL BE No. 6 UNLESS OTHERWISE NOTED.
- NEW PEDESTRIAN PUSH BUTTONS SHALL BE ACCESSIBLE PEDESTRIAN SIGNALS PER LADOT STD. PLAN S-73.2.
- EMERGENCY VEHICLE PREEMPTION DEVICE SHALL BE OPTICOM MODEL 721. INSTALL M138 DETECTOR CABLE TO OPTICOM DISCRIMINATOR INSIDE CONTROLLER CABINET. OPTICOM CABLE TO BE UNSPLICED FROM CABINET TO DETECTOR.
- NEW SIGNAL VISORS SHALL BE REMOVABLE WITH A BLACK POLYCARBONATE COLOR AND COLOR RETENTION. STANDARD VISORS SHALL HAVE A LENGTH OF 12". LONG VISORS, WHERE SPECIFIED, SHALL HAVE A LENGTH OF 27". BEVELED VISORS, WHERE SPECIFIED, SHALL HAVE A LENGTH ON THE SHORT SIDE OF 12" AND A LENGTH ON THE LONG SIDE OF 27".
- NEW TRAFFIC SIGNAL BACKPLATES SHALL CONFORM TO LADOT STANDARD PLAN S-77.8A.
- NEW LUMINAIRES SHALL BE INDUCTION, CUT-OFF TYPE AND SHALL HAVE BOTH INTEGRAL BALLASTS AND INTEGRAL PHOTO ELECTRIC CONTROLS.
- PRIOR TO WORKING ON SERVICE OR LIGHTING CIRCUITS, CONTACT MAINTENANCE OPERATIONS AT (310) 253-6433, 48 HOURS IN ADVANCE, FOR DAILY SAFETY CIRCUIT CLEARANCE.
- ALL SALVAGED TRAFFIC SIGNAL EQUIPMENT SHALL BE RETURNED TO CITY STORAGE YARD AT 9505 JEFFERSON BLVD. CONTACT FACILITIES AND MAINTENANCE SUPERVISOR AT (310) 253-6433.
- STREET LIGHTS SHALL REMAIN OPERATIONAL AT ALL TIMES DURING CONSTRUCTION.
- WHENEVER NEW CONDUCTORS ARE TO BE INSTALLED IN A CONDUIT WITH EXISTING INDIVIDUAL CONDUCTORS (EXCEPT SERVICE WIRES), ALL INDIVIDUAL CONDUCTORS AT THE INTERSECTION SHALL BE REMOVED AND REPLACED WITH MULTI-CONDUCTOR CABLE. 28-CONDUCTOR CABLE SHALL BE INSTALLED IN ALL NEW STREET CROSSINGS UNLESS OTHERWISE SPECIFIED ON THE PLANS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THE LOCATION OF SUCH UNDERGROUND FACILITIES WHICH MAY BE SUBJECT TO DAMAGE BY THE CONTRACTOR'S OPERATIONS. THIS SHALL INCLUDE BUT NOT BE LIMITED TO POT HOLING TO EXPOSE ALL UTILITY CROSSINGS WITH PROPOSED CONDUIT RUNS, TRAFFIC SIGNAL FOUNDATIONS, ETC.
- NOTE TO TRAFFIC SIGNAL DESIGN CONSULTANT: A SIGNAL TIMING CHART SHALL BE PREPARED FOR NEWLY SIGNALIZED INTERSECTIONS AND MODIFICATIONS TO AN EXISTING TRAFFIC SIGNAL. THE SIGNAL TIMING CHART SHALL BE PREPARED BY THE CONSULTANT AND APPROVED BY THE CITY WITHIN 10 DAYS OF CITY ACCEPTANCE OF THE ASSOCIATED TRAFFIC SIGNAL PLAN. PRIOR TO SUBMITTAL OF THE SIGNAL TIMING CHART, THE CONSULTANT SHALL MEET WITH THE DESIGNATED TRAFFIC ENGINEER TO DISCUSS TIMING PARAMETERS. THEN THE CONSULTANT SHALL SIMULATE THE TIMING IN ORDER TO ENSURE THAT IT IS COMPATIBLE WITH PROGRAM SOFTWARE AND THAT IT FUNCTIONS AS DESIRED. THEN, THE CONSULTANT SHALL MEET AND PRESENT TIMING CHART AND SIMULATION RESULTS JOINTLY TO THE DESIGNATED TRAFFIC ENGINEER AND TRAFFIC SIGNAL TECHNICIAN. WHENEVER THERE IS A CHANGE IN SIGNAL PHASING THE CONSULTANT SHALL BE PRESENT WITH THE SIGNAL TECHNICIAN TO IMPLEMENT THE NEW TIMING AND TO TROUBLE SHOOT ANY PROBLEMS THAT MAY ARISE.



# PAVEMENT MARKING & STRIPING NOTES:

\*ALL STRIPING SHALL CONFORM TO THE CALTRANS STANDARD PLANS (LATEST EDITION)

1. INSTALL LANE LINE, DETAIL 9.
2. INSTALL DOUBLE YELLOW LINE, DETAIL 22.
3. INSTALL MEDIAN ISLAND STRIPING, DETAIL 29.
4. INSTALL TWO-WAY LEFT TURN LANE, DETAIL 32.
5. INSTALL CHANNELIZATION LINE, DETAIL 38.
6. INSTALL BIKE LANE STRIPING, DETAIL 39.
7. INSTALL BIKE LANE INTERSECTION STRIPING, DETAIL 39A.
8. INSTALL LANE LINE EXTENSION, DETAIL 40.
9. INSTALL PAVEMENT MARKING AS SHOWN ON PLAN, SEE BELOW LIST FOR STANDARDS:  
TYPE IV = CALTRANS STD PLAN NO. A24A.  
TYPE VII = CALTRANS STD PLAN NO. A24AB.  
TYPE VI = CALTRANS STD PLAN NO. A24A.  
BIKE = CALTRANS STD PLAN NO. A24A AND A24C.  
STOP = CALTRANS STD PLAN NO. A24D.  
SHARROW = CALTRANS STD PLAN NO. A24C.
10. INSTALL WHITE CONTINENTAL CROSSWALK PER LADOT STD. DWG. S-481.1.
11. INSTALL 4" WHITE STRIPING.
12. INSTALL 12" WHITE LIMIT LINE.
13. INSTALL 6" WHITE CHEVRON @ 24' SPACING.
14. INSTALL WHITE BIKE SYMBOL AND ARROW PAVEMENT MARKING PER CALTRANS STD PLAN NO. A24A AND A24C WITH GREEN COLORED PAVEMENT MARKING PER DETAIL "B" HEREON.

15. INSTALL ENNIS FLINT PREMARK BIKE LANE GREEN WITH VIZIGRIP OR CITY APPROVED EQUAL.
16. INSTALL YIELD LINE PER CALTRANS STD. PLAN NO. A24E.
17. INSTALL 12" YELLOW DIAGONAL.
18. INSTALL LANE LINE, DETAIL 37B.
19. INSTALL 5' OF RED CURB ADJACENT TO DRIVEWAY APPROACH UNLESS OTHERWISE NOTED.
20. INSTALL BIKE LANE AND PARKING LANE PER DETAIL "A" AS SHOWN HEREON.
21. INSTALL WHITE CONTINENTAL CROSSWALK PER DETAIL "C" AS SHOWN HEREON.

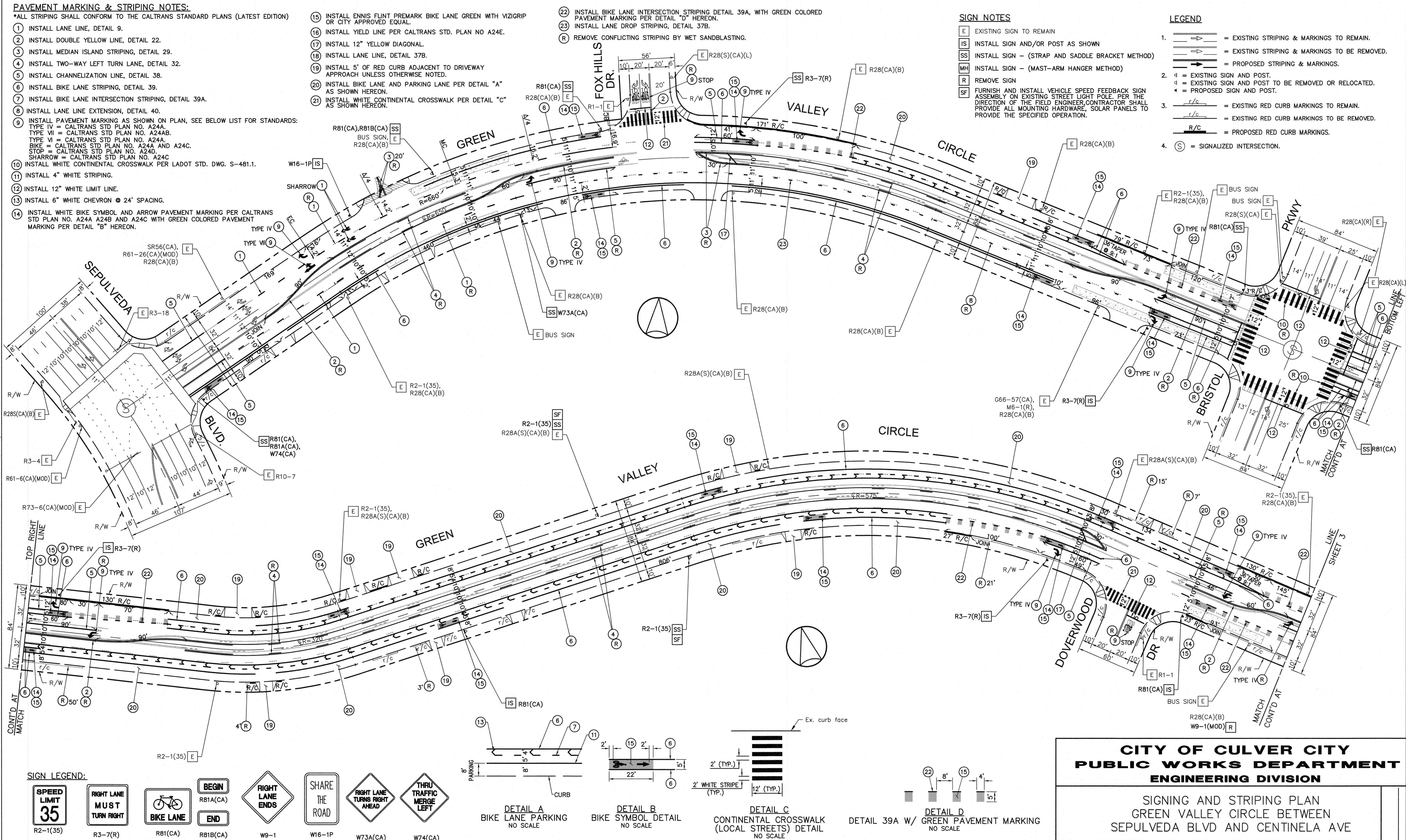
22. INSTALL BIKE LANE INTERSECTION STRIPING DETAIL 39A, WITH GREEN COLORED PAVEMENT MARKING PER DETAIL "D" HEREON.
23. INSTALL LANE DROP STRIPING, DETAIL 37B.
- (R) REMOVE CONFLICTING STRIPING BY WET SANDBLASTING.

## SIGN NOTES

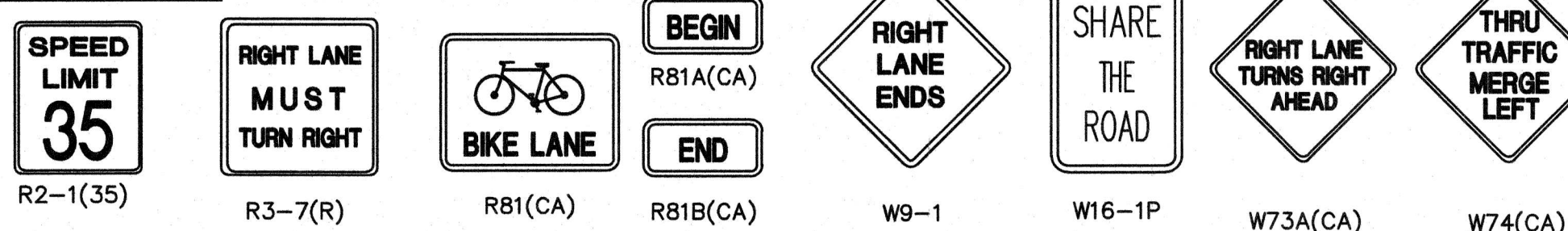
- (E) EXISTING SIGN TO REMAIN  
(IS) INSTALL SIGN AND/OR POST AS SHOWN  
(SS) INSTALL SIGN - (STRAP AND SADDLE BRACKET METHOD)  
(MH) INSTALL SIGN - (MAST-ARM HANGER METHOD)  
(R) REMOVE SIGN  
(SF) FURNISH AND INSTALL VEHICLE SPEED FEEDBACK SIGN ASSEMBLY ON EXISTING STREET LIGHT POLE, PER THE DIRECTION OF THE FIELD ENGINEER, CONTRACTOR SHALL PROVIDE ALL MOUNTING HARDWARE, SOLAR PANELS TO PROVIDE THE SPECIFIED OPERATION.

## LEGEND

1. = EXISTING STRIPING & MARKINGS TO REMAIN.  
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 = PROPOSED STRIPING & MARKINGS.
2. = EXISTING SIGN AND POST.  
 = EXISTING SIGN AND POST TO BE REMOVED OR RELOCATED.  
 = PROPOSED SIGN AND POST.
3. = EXISTING RED CURB MARKINGS TO REMAIN.  
 = EXISTING RED CURB MARKINGS TO BE REMOVED.  
 = PROPOSED RED CURB MARKINGS.
4. (S) = SIGNALIZED INTERSECTION.



## SIGN LEGEND:



DETAIL A  
BIKE LANE PARKING  
NO SCALE

DETAIL B  
BIKE SYMBOL DETAIL  
NO SCALE

DETAIL C  
CONTINENTAL CROSSWALK  
(LOCAL STREETS) DETAIL  
NO SCALE

DETAIL D  
DETAIL 39A W/  
GREEN PAVEMENT MARKING  
NO SCALE

## CITY OF CULVER CITY PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION

### SIGNING AND STRIPING PLAN GREEN VALLEY CIRCLE BETWEEN SEPULVEDA BLVD AND CENTINELA AVE

DESIGNED BY GSC	DATE 05/07/17	SCALE HORIZ: 1" = 40' VERT: N/A	CHECKED BY JOHN FISHER, P.E.	DATE
DRAWN BY JG/JFB	DATE 05/07/17	PROJECT NUMBER		
FIELD BOOK REFERENCE				
NO.	BY	APPR.	DATE	Sheet 2 Of 8 Sheets
				Plan No.

PLAN NO.



## SIGN NOTES

- E EXISTING SIGN TO REMAIN  
IS INSTALL SIGN AND/OR POST AS SHOWN  
SS INSTALL SIGN - (STRAP AND SADDLE BRACKET METHOD)  
MH INSTALL SIGN - (MAST-ARM HANGER METHOD)  
R REMOVE SIGN  
SF FURNISH AND INSTALL VEHICLE SPEED FEEDBACK SIGN ASSEMBLY ON EXISTING STREET LIGHT POLE. PER THE DIRECTION OF THE FIELD ENGINEER, CONTRACTOR SHALL PROVIDE ALL MOUNTING HARDWARE, SOLAR PANELS TO PROVIDE THE SPECIFIED OPERATION.

## PAVEMENT MARKING &amp; STRIPING NOTES:

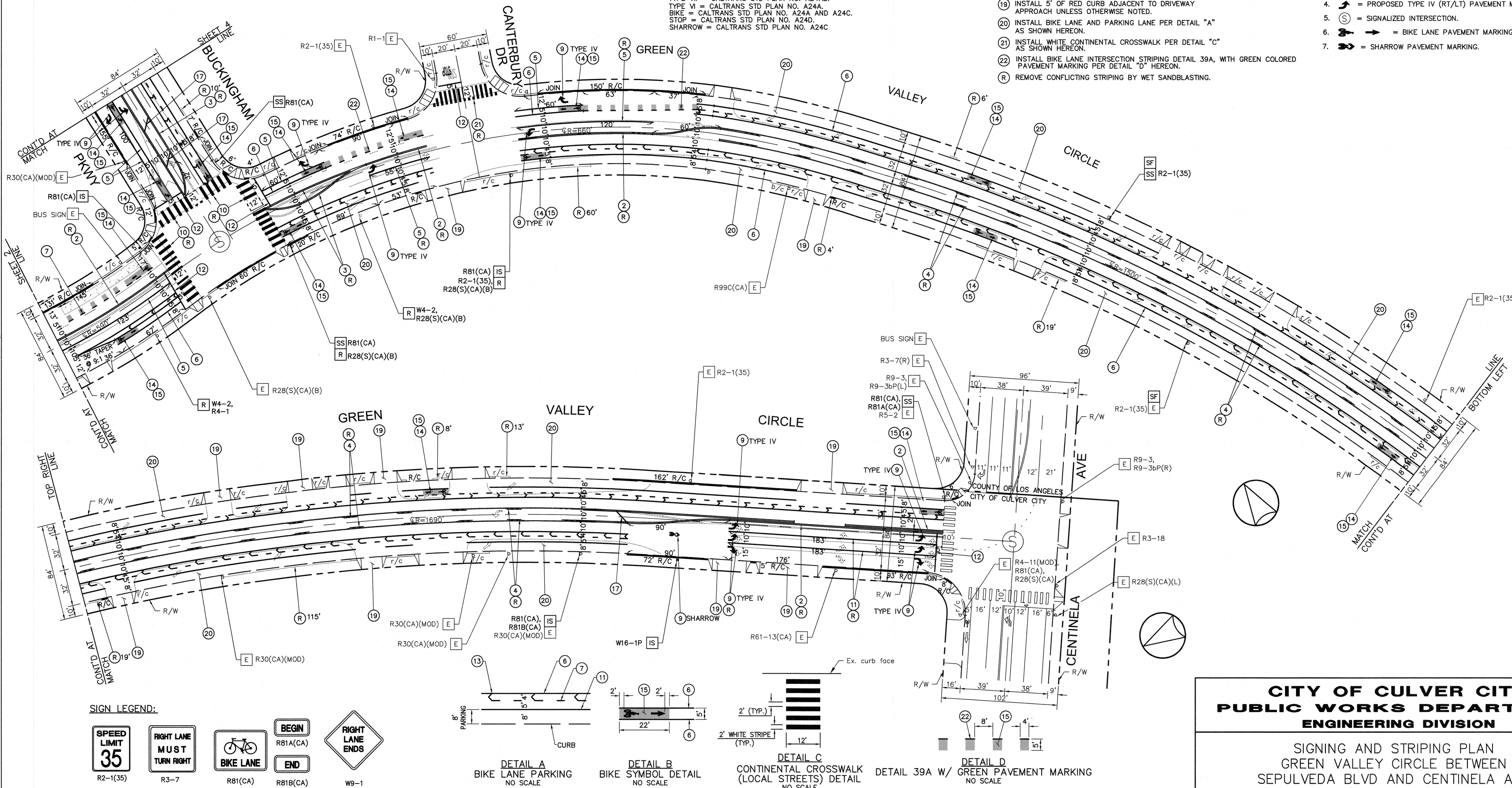
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- R REMOVE CONFLICTING STRIPING BY WET SANDBLASTING.

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4. = PROPOSED TYPE IV (RT/LT) PAVEMENT MARKING.
5. = SIGNALIZED INTERSECTION.
6. = BIKE LANE PAVEMENT MARKING.
7. = SHARROW PAVEMENT MARKING.



## SIGN LEGEND:



Know what's below.  
Call before you dig.



Plan Prepared By:

**KOA CORPORATION**  
PLANNING & ENGINEERING  
1100 Corporate Center Drive, Suite 201  
Monterey Park, California 91754-7632  
Tel: (323) 260-4703 Fax: (323) 260-4705

Date

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**CITY OF CULVER CITY  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DIVISION****SIGNING AND STRIPING PLAN  
GREEN VALLEY CIRCLE BETWEEN  
SEPULVEDA BLVD AND CENTINELA AVE**

DESIGNED BY	DATE	SCALE	CHECKED BY	DATE
GSC	05/07/17	HORIZ: 1" = 40'	JOHN FISHER, P.E.	
DRAWN BY	DATE	VERT: N/A		
JG/JFB	05/07/17			
FIELD BOOK REFERENCE		PROJECT NUMBER		

Sheet 3 Of 8 Sheets Plan No. \_\_\_\_\_

PLAN NO.



PAVEMENT MARKING & STRIPING NOTES:

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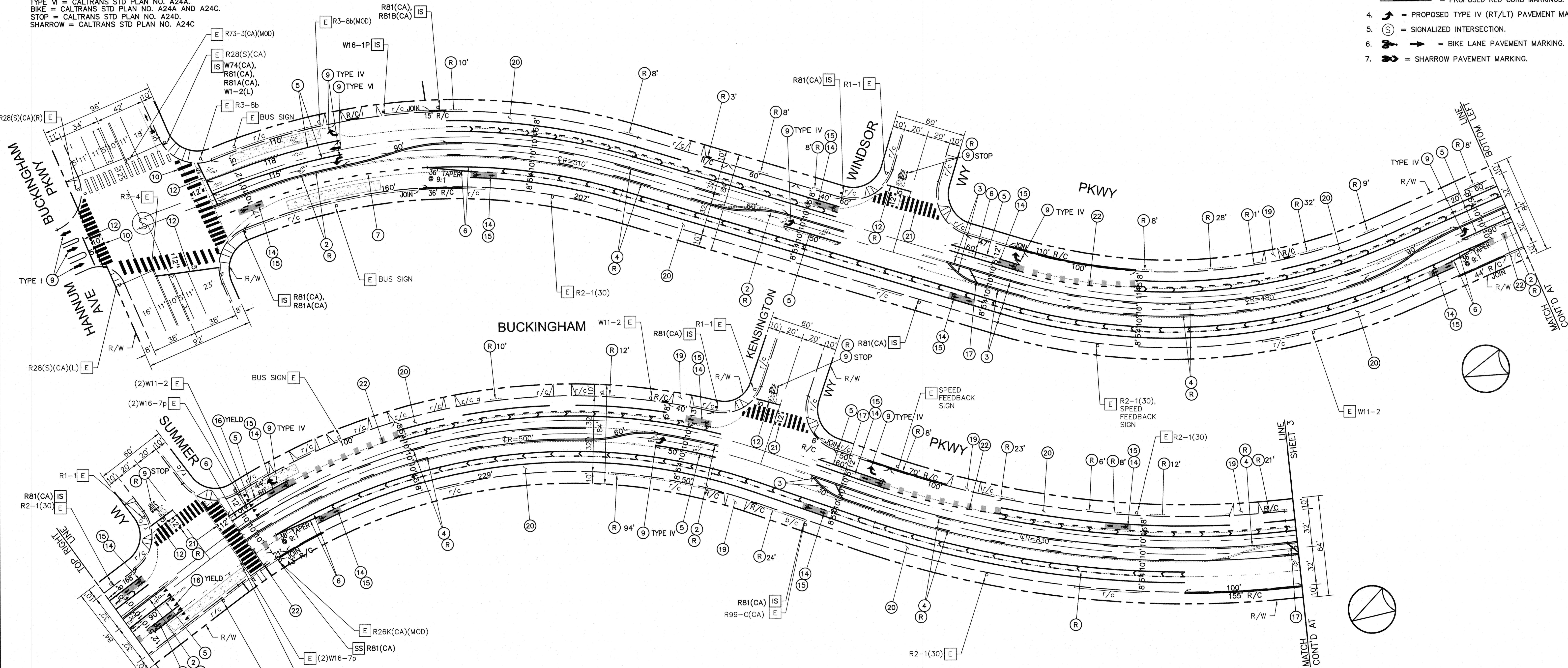
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SIGN NOTES

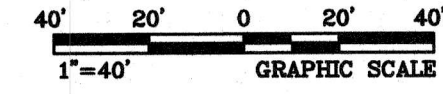
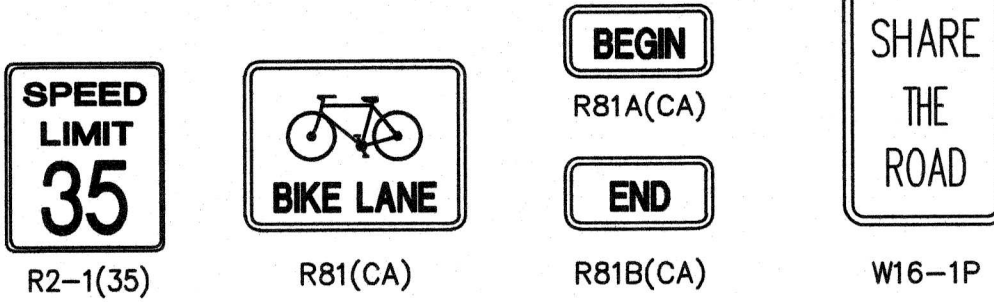
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7. = SHARROW PAVEMENT MARKING.



SIGN LEGEND:



Plan Prepared By:



Date

NO.

BY

APPR.

DATE

CITY OF CULVER CITY PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION			
SIGNING AND STRIPING PLAN BUCKINGHAM PKWY BETWEEN HANNUM AVE AND GREEN VALLEY CIRCLE			
DESIGNED BY GSC	DATE 05/07/17	SCALE HORIZ: 1" = 40' VERT: N/A	CHECKED BY JOHN FISHER, P.E.
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