

LOCATION MAP

Legend

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LANDFILLS

BRADLEY LANDFILL & RECYCLING CENTER/
WASTE MANAGEMENT, INC.
9081 TUJUNGA AVE.
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(818) 767-6180
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STRATHMORE INERT LANDFILL
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SUN VALLEY, CA 91352

CALMAT INERT LANDFILL
9436 GLENOAKS BLVD.
SUN VALLEY, CA 91352

GENERAL NOTES:

- THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE SHOWN ON THESE PLANS WAS OBTAINED BY A SEARCH OF AVAILABLE RECORDS. APPROVAL OF THESE PLANS BY THE CITY DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OF THE LOCATION OR THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE WITHIN THE LIMITS OF THE PROJECT.
- THE CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OR THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THE CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD THE DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.

SIGNING AND STRIPING GENERAL NOTES:

- TRAFFIC SIGNING AND STRIPING SHALL CONFORM TO THE CALTRANS STANDARD PLANS AND SPECIFICATIONS, DATED 2015, THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD), DATED 2014, THESE PLANS AND THE SPECIAL PROVISIONS.
- ALL STRIPING DETAILS, PAVEMENT MARKINGS, AND CROSSWALKS SHALL BE THERMOPLASTIC. CURB MARKINGS SHALL BE PAINT, 2 COATS.
- CONTRACTOR SHALL REPAINT ALL EXISTING CURB ADDRESS NUMBERS WITHIN THE PROJECT LIMITS.
- INSTALL TWO-WAY BLUE REFLECTIVE MARKERS AT EVERY FIRE HYDRANT.
- ALL EXISTING CURB MARKINGS WITHIN THE PROJECT LIMITS SHALL BE REPAINTED.
- ALL CURB ADDRESS MARKINGS WITHIN THE PROJECT LIMITS SHALL BE REPAINTED.
- CONFICTING STRIPING AND PAVEMENT LEGENDS SHALL BE REMOVED. REMOVAL OF CONFICTING STRIPING AND PAVEMENT LEGENDS SHALL BE BY WET SANDBLASTING (PAINT) OR BY GRINDING (THERMOPLASTIC). STRIPING REMOVALS SHALL INCLUDE REMOVING RAISED PAVEMENT MARKERS.



PLANS PREPARED BY:
WILLDAN Engineering
13131 CROSSROADS PARKWAY NORTH
SUITE 400, CITY OF INDUSTRY, CA 91746
(562) 908-6200
UNDER THE SUPERVISION OF:
[Signature]

REGISTERED PROFESSIONAL ENGINEER
TYRONE PETER
NO. 81888
CIVIL ENGINEER
STATE OF CALIFORNIA
7-11-19

SUBMITTED BY:
[Signature]
PATSY OROZCO, CIV. ASSISTANT II
7/11/2019

APPROVED:
[Signature]
YING KWAN, CITY ENGINEER
DATE
R.C.E. NO. 42418

7/11/2019
DRAWN BY: SM/BR
DESIGNED BY: BR/AE
CHECKED BY: TP

CITY OF
SAN FERNANDO
HISTORIC & VISIONARY
PUBLIC WORKS DEPARTMENT

TITLE SHEET
GLENOAKS BOULEVARD
STREET RESURFACING AND HIGHWAY
SAFETY IMPROVEMENT PROJECT
JOB NO. 7595
PLAN NO. P-728

ABBREVIATIONS

AB	AGGREGATE BASE
AC	ASPHALT CONCRETE
AV	AIR VAC
BC	BEGIN CURVE
BCR	BEGIN CURVE RETURN
BEG.	BEGIN
BO	BLOWOFF
BVC	BEGIN VERTICAL CURVE
BW	BACK OF WALK
BX	BOTTOM OF X
C&G	CURB AND GUTTER
CAB	CRUSHED AGGREGATE BASE
CB	CATCH BASIN
C/L	CENTERLINE
CF	CURB FACE
CIR	COLD IN-PLACE RECYCLE
CLR	CHAIN LINK FENCE
CONC	CLEAR
CONST.	CONCRETE
CPC	CONSTRUCTION
DI	CALIFORNIA PLUMBING CODE
DWY	DUCTILE IRON
DWG	DRIVEWAY
E	DRAWING
EC	EAST
ECR	END CURVE
EG	EDGE OF GUTTER
ELEV	ELEVATION
EOP/EP	EDGE OF PAVEMENT
FVC	EDGE OF PAVEMENT
EX./EXIST.	EXISTING
FGR	FULL DEPTH RECLAMATION
FG	FINISHED GRADE
FH	FIRE HYDRANT
FL	FLOWLINE
FS	FINISHED SURFACE
GI	GALVANIZED IRON
GL	GUTTER LIP
GB	GRADE BREAK
HMA	HOT MIX ASPHALT
HTF	HIGH TENSILE FIBER
INT.	INTERSECTION
INV	INVERT
IWWMD	LENGTH
L	LINEAR FEET
LF	LIP OF GUTTER
LIP	LEFT
LT	MAXIMUM
MAX	MANHOLE
MH	MINIMUM
MIN	NORTH
N	NOT IN CONTRACT
N.I.C.	NORTHERLY
N.L.Y.	NUMBER
NO	NOT TO SCALE
NTS	ON CENTER
O.C.	ORIGINAL GROUND
OG	OVERHEAD
OH	POINT OF INTERSECTION
PIC	PORTLAND CEMENT CONCRETE
PGE&	PACIFIC GAS AND ELECTRIC
PMB	PROCESSED MISCELLANEOUS BASE
P.O.C.	POINT OF CONNECTION
PP	POWER POLE
PRC	POINT OF REVERSE CURVE
PROP.	PROPOSED
PRVC	POINT OF REVERSE VERTICAL CURVE
PT.	POINT
PVC	POLYVINYL CHLORIDE
PVTM.	PAVEMENT
R	RADIUS
R.C.	RELATIVE COMPACTION
RCP	REINFORCED CONCRETE PIPE
REQD	REQUIRED
RSP	ROCK SLOPE PROTECTION
RT	RIGHT
R/W	RIGHT-OF-WAY
S	SLOPE
S'L.Y.	SOUTHERLY
SCE	SCHEDULE
SCH	SCHEDULE
SDMH	STORM DRAIN MANHOLE
SDWK	SIDEWALK
ST	STREET
STA	STATION
STD	STANDARD
ST.G.R.	STRAIGHT GRADE
TC	TOP OF CURB
TELE	TOP OF TELEPHONE
TG	TOP OF GRATE
TOP	TOP OF PLATFORM
TR	TOP OF RAIL
TW	TOP OF WALL
TX	TOP OF X
TYP	TYPICAL
V	DEPTH
VAR	VARIES
VCP	VITRIFIED CLAY PIPE
W	WIDTH, WEST
WM	WATER METER

NOTE: ALL DIMENSIONS ARE SHOWN IN FEET
UNLESS OTHERWISE NOTED.



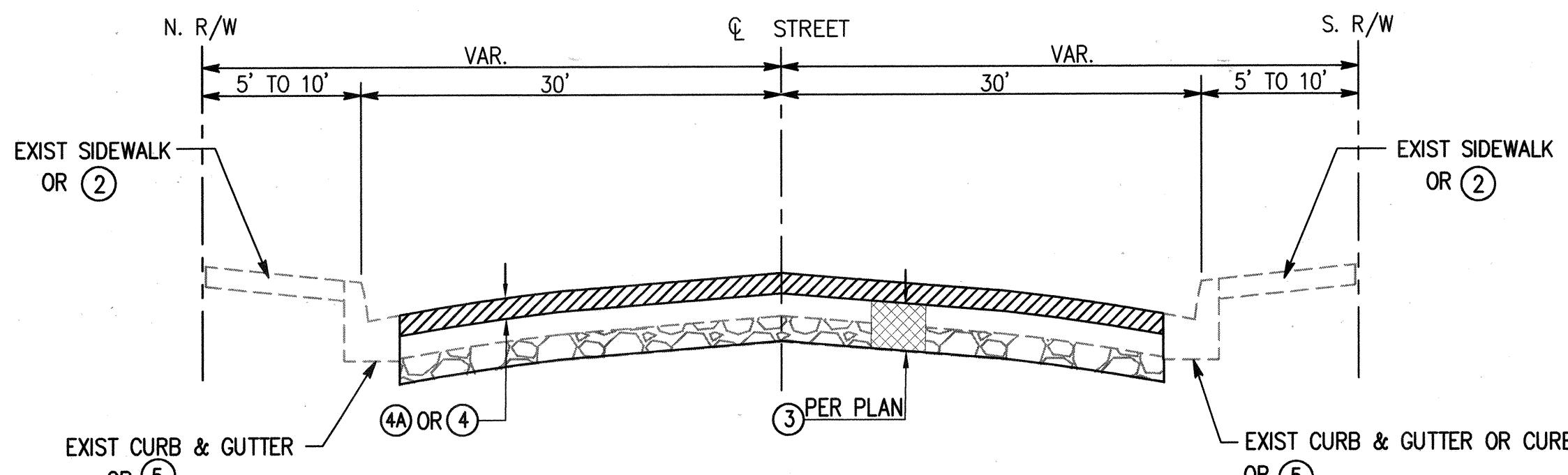
Know what's below.
Call before you dig.

CONSTRUCTION NOTES:

- (P) PROTECT IN PLACE
- (R) REMOVE AS SHOWN
- (1) REMOVE AND CONSTRUCT 4" THICK PCC DRIVEWAY PER SPPWC STD. PLAN NO. 110-2, TYPE PER PLAN.
- (2) REMOVE AND CONSTRUCT 4 INCH THICK PCC SIDEWALK TO MATCH EXISTING.
- (3) REMOVE AND CONSTRUCT 2.5 INCH HOT MIX ASPHALT OVER 10.5 INCH CLASS 2 AGGREGATE BASE
- (4) COLD MILL EXIST AC 2" UNIFORM DEPTH, REMOVE PETROMAT AND CONSTRUCT 2" THICK ASPHALT RUBBER HOT MIX (ARHM) OVERLAY
- (4A) COLD MILL EXIST AC 2.5" UNIFORM DEPTH, REMOVE PETROMAT AND CONSTRUCT 2.5" THICK ASPHALT RUBBER HOT MIX (ARHM) OVERLAY
- (5) REMOVE AND CONSTRUCT CURB AND GUTTER PER SPPWC PLAN NO. 120-2, TO MATCH EXISTING.
- (12) CONSTRUCT MEDIAN CURB PER SPPWC STD PLAN NO 121-2, TYPE C2-6
- (15) CONSTRUCT METAL HANDRAIL PER SPPWC STD PLAN NO 606-4, TYPE B

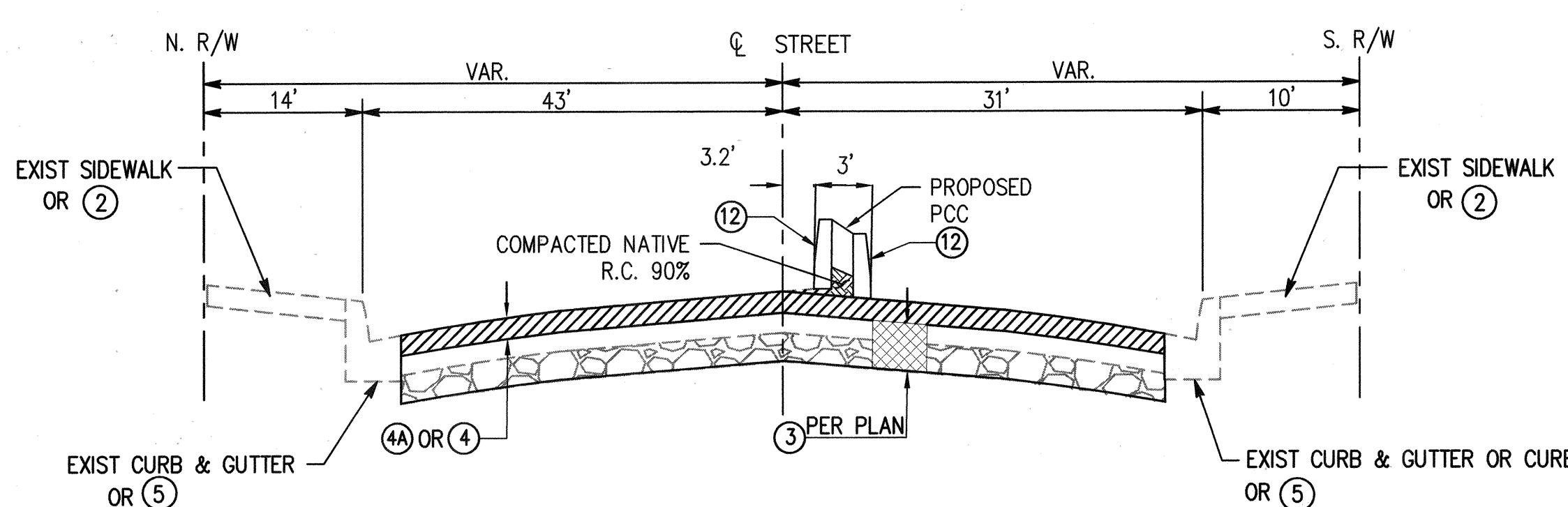
LEGEND

- (2) SIDEWALK
- (3) REMOVE AND CONSTRUCT 2.5" HMA OVER 10.5" CLASS 2 AGGREGATE BASE
- (4) PROPOSED UNIFORM 2" COLD MILL AND OVERLAY
- (4A) PROPOSED UNIFORM 2.5" COLD MILL, REMOVE PETROMAT AND OVERLAY
- (5) CURB AND GUTTER
- EXIST AGGREGATE BASE

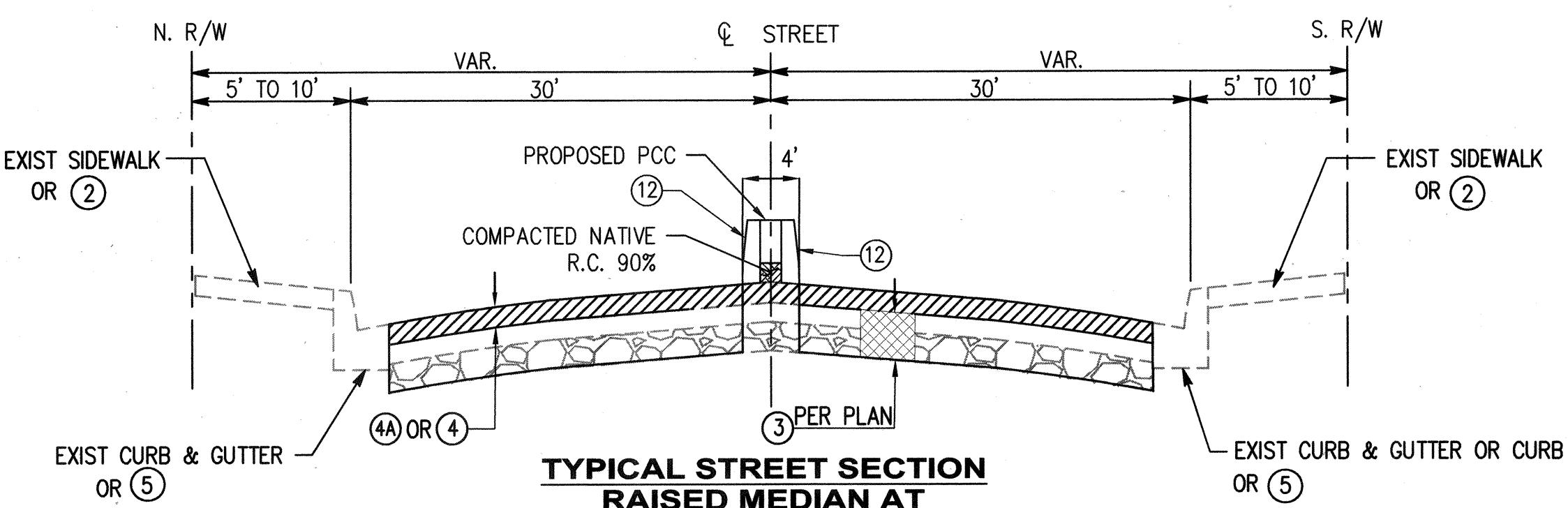


TYPICAL STREET SECTION
GLEN OAKS BLVD - FROM WEST CITY LIMITS TO 16+52
FROM 21+00 TO 29+59
FROM 34+18 TO 37+43
FROM 38+42 TO 41+00
FROM 61+08 TO 64+71
FROM 65+41 TO 69+85

NTS

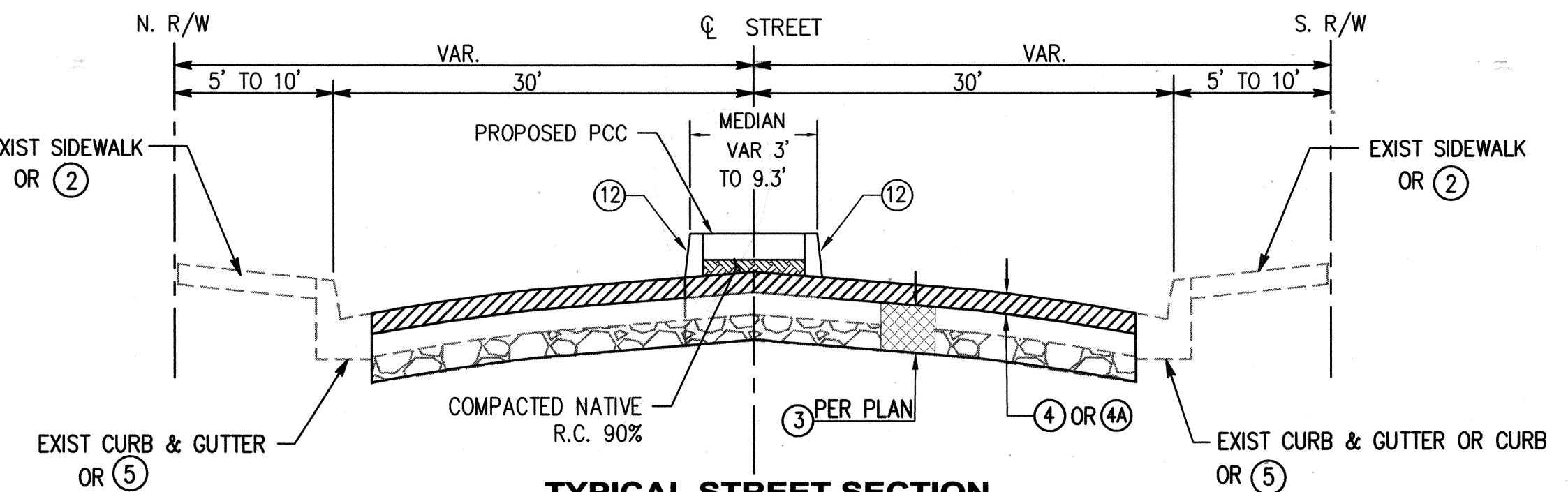


TYPICAL STREET SECTION
GLEN OAKS BLVD - FROM 73+25 TO 74+26
NTS



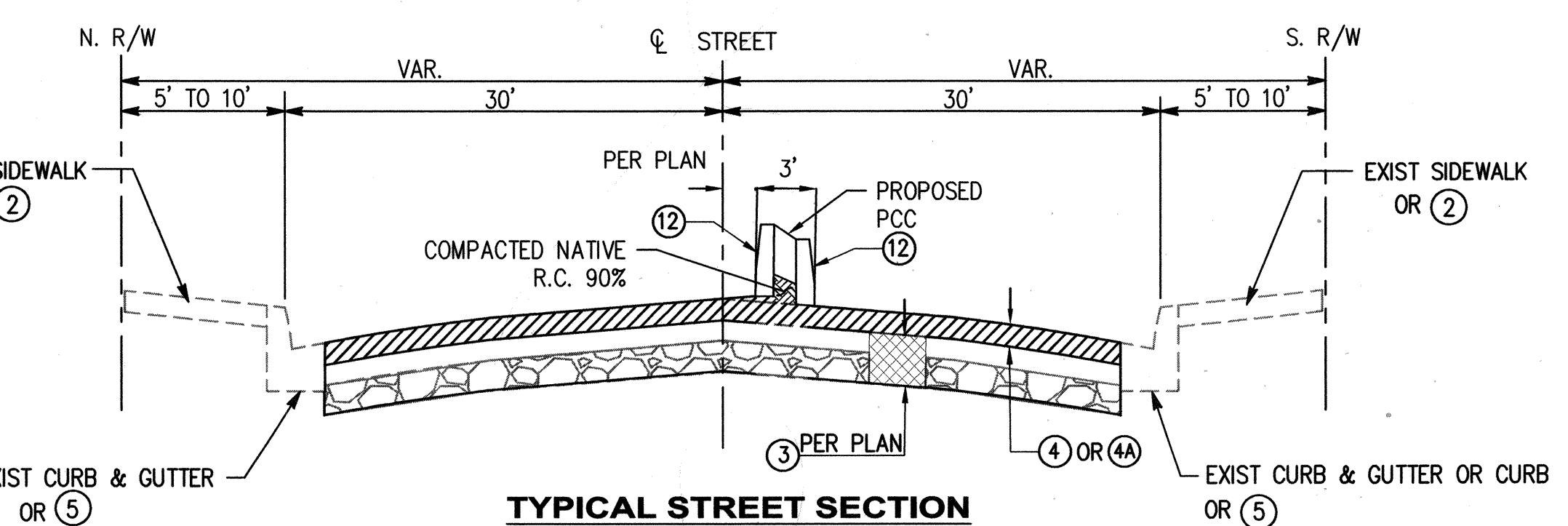
TYPICAL STREET SECTION
RAISED MEDIAN AT
CENTERLINE

GLEN OAKS BLVD - FROM 37+43 TO 38+03
FROM 38+21 TO 38+41
FROM 41+00 TO 42+00
NTS



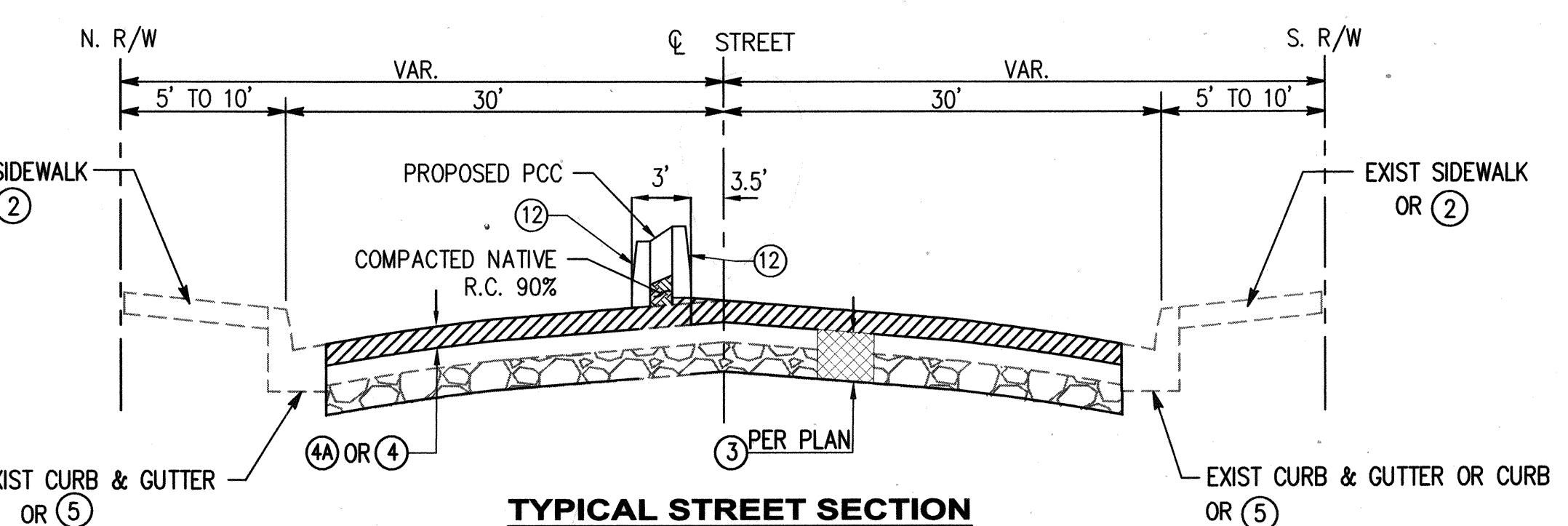
TYPICAL STREET SECTION
RAISED MEDIAN AT
VARIOUS LOCATIONS
NTS

GLEN OAKS BLVD - FROM 16+59 TO 17+49
FROM 19+63 TO 20+98
FROM 29+59 TO 30+94
FROM 32+84 TO 34+18
FROM 42+00 TO 43+40
FROM 46+62 TO 50+38
FROM 53+08 TO 53+98
FROM 55+23 TO 56+91
FROM 59+74 TO 61+08
FROM 69+85 TO 70+76



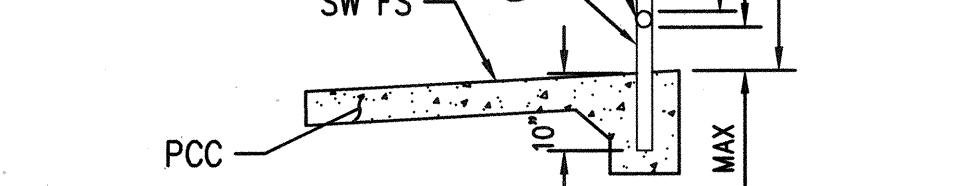
TYPICAL STREET SECTION
WESTBOUND LEFT TURN
POCKETS WITH RAISED
MEDIAN

GLEN OAKS BLVD - FROM 19+15 TO 19+63
FROM 32+38 TO 32+84
FROM 45+73 TO 46+62
FROM 52+35 TO 53+08
FROM 58+79 TO 59+74
NTS



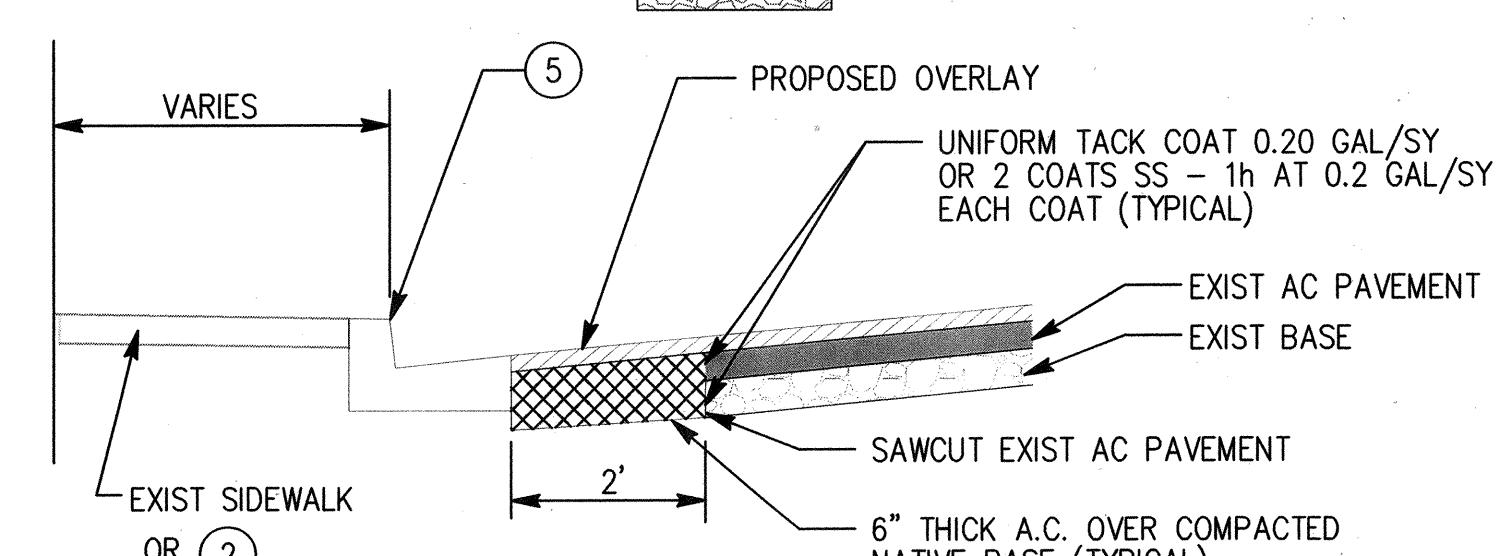
TYPICAL STREET SECTION
EASTBOUND LEFT TURN
POCKETS WITH RAISED
MEDIAN

GLEN OAKS BLVD - FROM 17+49 TO 18+27
FROM 30+94 TO 31+48
FROM 43+40 TO 44+49
FROM 50+38 TO 51+12
FROM 53+98 TO 54+67
FROM 56+91 TO 57+85
FROM 70+76 TO 72+31
NTS



METAL HAND RAILING

NTS
* REFER SPPWC STD PLAN 606-4, TYPE "B"
FOR METAL HAND RAILING DETAILS NOT SHOWN



CURB AND GUTTER REPLACEMENT

NTS



REVISIONS

REV.	DATE	BY	DESCRIPTION	APP'D	REV.	DATE	BY	DESCRIPTION	APP'D

PLANS PREPARED BY:
WILLDAN
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13101 CROSSROADS PARKWAY NORTH
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(626) 908-6200
UNDER THE SUPERVISION OF:

Signature

REGISTERED PROFESSIONAL ENGINEER
TYRONE PETER
NO. 81888
CIVIL ENGINEER
STATE OF CALIFORNIA
7-11-19

SUBMITTED BY:
PATSY OROZCO, ASSISTANT II
TYRONE PETER
RCE 81888
DATE
DRAWN BY: SM/BR
DESIGNED BY: BR/AE
CHECKED BY: TP

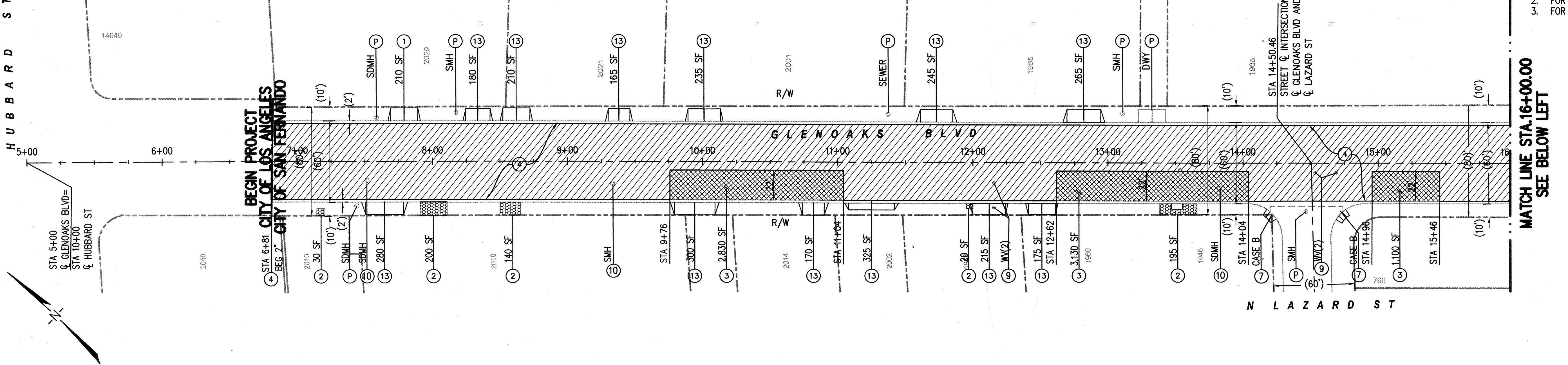
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CITY OF
SAN FERNANDO
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PUBLIC WORKS DEPARTMENT

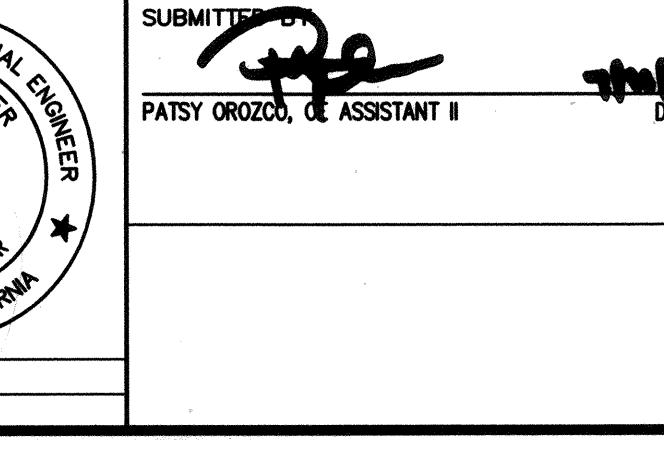
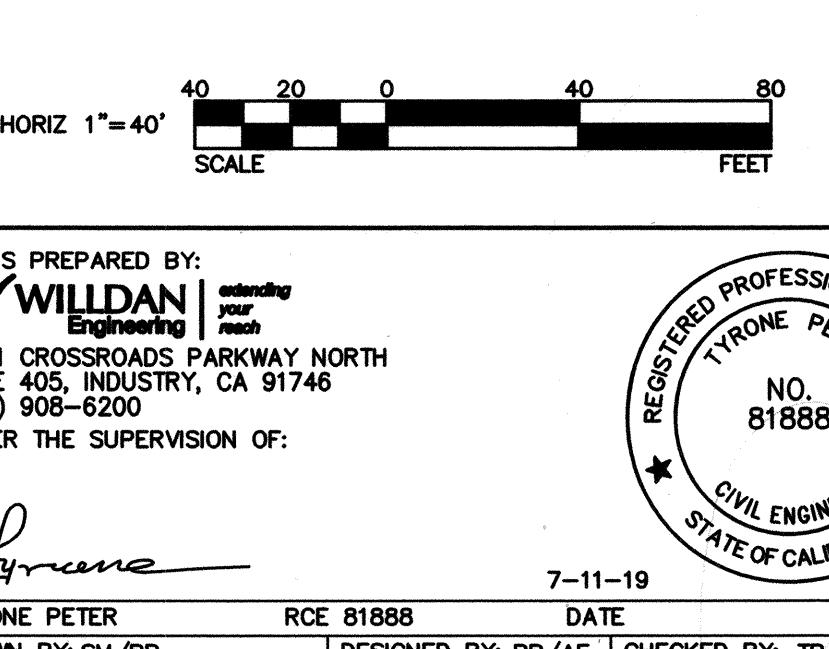
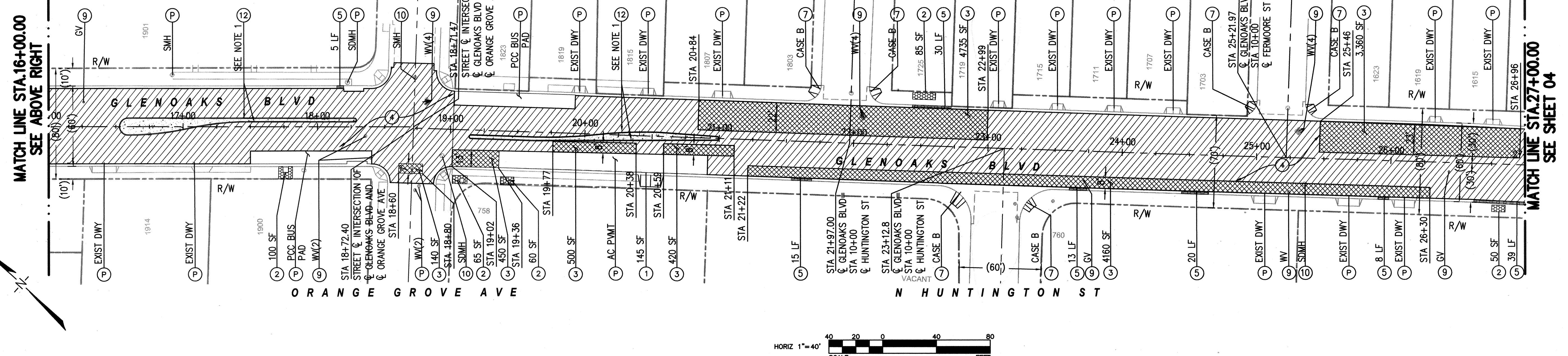
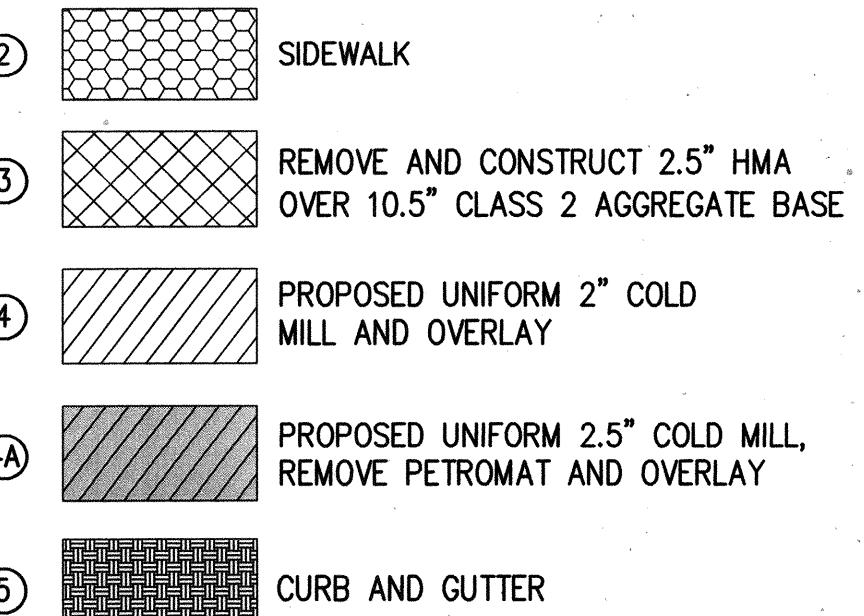
TYPICAL SECTION AND DETAILS
GLEN OAKS BOULEVARD
27+00 TO 50+00

JOB NO. 7595

PLAN NO. P-728

**CONSTRUCTION NOTES:**

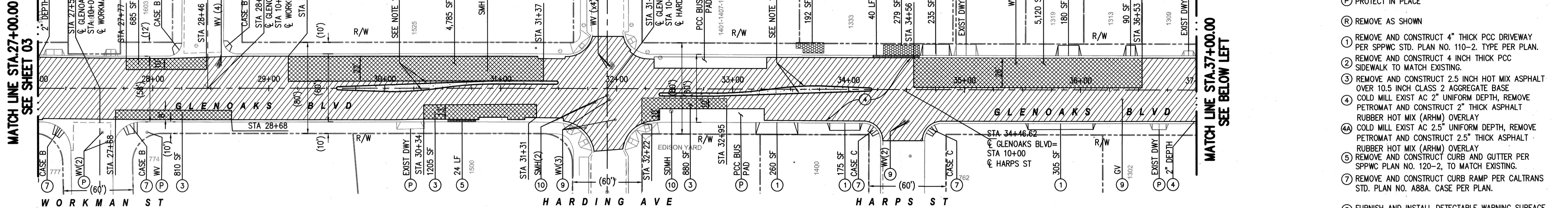
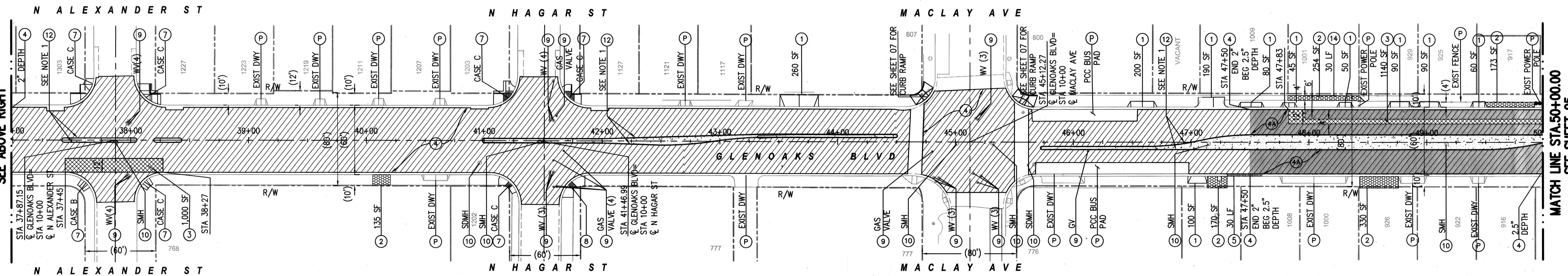
- (P) PROTECT IN PLACE
- (R) REMOVE AS SHOWN
- (1) REMOVE AND CONSTRUCT 4" THICK PCC DRIVEWAY PER SPPWC STD. PLAN NO. 110-2, TYPE PER PLAN.
- (2) REMOVE AND CONSTRUCT 4 INCH THICK PCC SIDEWALK TO MATCH EXISTING.
- (3) REMOVE AND CONSTRUCT 2.5 INCH HOT MIX ASPHALT OVER 10.5 INCH CLASS 2 AGGREGATE BASE
- (4) COLD MILL EXIST AC 2" UNIFORM DEPTH, REMOVE PETROMAT AND CONSTRUCT 2" THICK ASPHALT RUBBER HOT MIX (ARHM) OVERLAY
- (5) REMOVE AND CONSTRUCT CURB AND GUTTER PER SPPWC PLAN NO. 120-2, TO MATCH EXISTING.
- (7) REMOVE AND CONSTRUCT CURB RAMP PER CALTRANS STD. PLAN NO. ABB. CASE PER PLAN.
- (9) ADJUST/RELOCATE VALVE BOX FRAME AND COVER TO GRADE
- (10) ADJUST MANHOLE FRAME AND COVER TO GRADE
- (12) CONSTRUCT MEDIAN CURB PER SPPWC STD PLAN NO 121-2, TYPE C2-6
- (13) REMOVE AND CONSTRUCT 6" THICK PCC DRIVEWAY PER SPPWC STD. PLAN NO. 110-2, TYPE PER PLAN.

LEGEND

**STREET RESURFACING PLAN
GLENOKS BOULEVARD
WEST CITY LIMIT TO 27+00**

SHEET NO.
03
OF
20



**MATCH LINE STA.37+00.00
SEE ABOVE RIGHT****MATCH LINE STA.27+00.00
SEE SHEET 03****MATCH LINE STA.37+00.00
SEE BELOW LEFT****LEGEND**

- (2) SIDEWALK
- (3) REMOVE AND CONSTRUCT 2.5" HMA OVER 10.5" CLASS 2 AGGREGATE BASE
- (4) PROPOSED UNIFORM 2" COLD MILL AND OVERLAY
- (4A) PROPOSED UNIFORM 2.5" COLD MILL, REMOVE PETROMAT AND OVERLAY
- (5) CURB AND GUTTER
- (8) DETECTABLE WARNING SURFACE

NOTES:

1. FOR MEDIAN CONSTRUCTION SEE SHEETS NO. 06 THRU 09
2. FOR UTILITIES SEE SHEETS NO. 10 & 11
3. FOR TRAFFIC SIGNAL AND STRIPING PLANS SEE SHEETS 12 THRU 20

CONSTRUCTION NOTES:

- (P) PROTECT IN PLACE
- (R) REMOVE AS SHOWN
- (1) REMOVE AND CONSTRUCT 4" THICK PCC DRIVEWAY PER SPPWC STD. PLAN NO. 110-2, TYPE PER PLAN.
- (2) REMOVE AND CONSTRUCT 4 INCH THICK PCC SIDEWALK TO MATCH EXISTING.
- (3) REMOVE AND CONSTRUCT 2.5 INCH HOT MIX ASPHALT OVER 10.5 INCH CLASS 2 AGGREGATE BASE
- (4) COLD MILL EXIST AC 2" UNIFORM DEPTH, REMOVE PETROMAT AND CONSTRUCT 2" THICK ASPHALT RUBBER HOT MIX (RHIM) OVERLAY
- (4A) COLD MILL EXIST AC 2.5" UNIFORM DEPTH, REMOVE PETROMAT AND CONSTRUCT 2.5" THICK ASPHALT RUBBER HOT MIX (RHIM) OVERLAY
- (5) REMOVE AND CONSTRUCT CURB AND GUTTER PER SPPWC PLAN NO. 120-2, TO MATCH EXISTING.
- (7) REMOVE AND CONSTRUCT CURB RAMP PER CALTRANS STD. PLAN NO. A88A. CASE PER PLAN.
- (8) FURNISH AND INSTALL DETECTABLE WARNING SURFACE (TRUNCATED DOMES) ON EXISTING RAMP PER CALTRANS STD. PLAN A88A.
- (9) ADJUST/RELOCATE VALVE BOX FRAME AND COVER TO GRADE
- (10) ADJUST MANHOLE FRAME AND COVER TO GRADE
- (12) CONSTRUCT MEDIAN CURB PER SPPWC STD PLAN NO 121-2, TYPE C2-6
- (14) CONSTRUCT RETAINING A1-6 CURB PER SPPWC PLAN NO 120-2

**MATCH LINE STA.50+00.00
SEE SHEET 05**SHEET NO.
04
OF
20Know what's below.
Call before you dig.**REVISIONS**

REV.	DATE	BY	DESCRIPTION	APP'D	REV.	DATE	BY	DESCRIPTION	APP'D

PLANS PREPARED BY:
WILLDAN
Engineering | your road
13101 CROSSROADS PARKWAY NORTH
SUITE 400, INDUSTRY, CA 91746
(626) 908-6200
UNDER THE SUPERVISION OF:

Tyrone Peter



SUBMITTED BY:

Patsy Orozco, RE ASSISTANT II
TYRONE PETER
NO. 81888
CIVIL ENGINEER
STATE OF CALIFORNIA
7-11-19

CITY OF
SAN FERNANDO
HISTORIC & VISIONARY
PUBLIC WORKS DEPARTMENT

**STREET RESURFACING PLAN
GLEN OAKS BOULEVARD
27+00 TO 50+00**

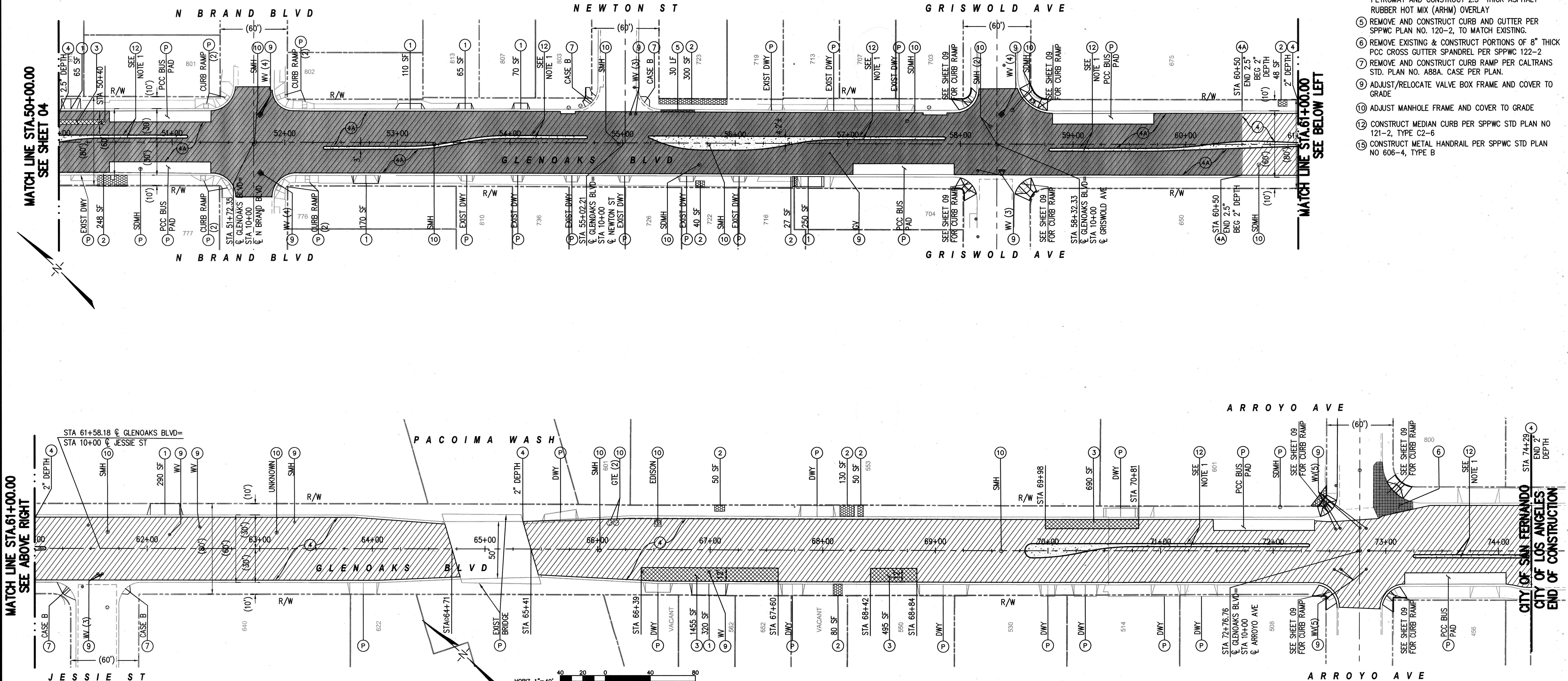
JOB NO. 7595

PLAN NO. P-728

- NOTES:
- FOR MEDIAN CONSTRUCTION SEE SHEETS NO. 06 THRU 09
 - FOR UTILITIES SEE SHEETS NO. 10 & 11
 - FOR TRAFFIC SIGNAL AND STRIPING PLANS SEE SHEETS 12 THRU 20

CONSTRUCTION NOTES:

- (P) PROTECT IN PLACE
- (R) REMOVE AS SHOWN
- (1) REMOVE AND CONSTRUCT 4" THICK PCC DRIVEWAY PER SPPWC STD. PLAN NO. 110-2, TYPE PER PLAN.
- (2) REMOVE AND CONSTRUCT 4 INCH THICK PCC SIDEWALK TO MATCH EXISTING.
- (3) REMOVE AND CONSTRUCT 2.5 INCH HOT MIX ASPHALT OVER 10.5 INCH CLASS 2 AGGREGATE BASE
- (4) COLD MILL EXIST AC 2" UNIFORM DEPTH, REMOVE PETROMAT AND CONSTRUCT 2" THICK ASPHALT RUBBER HOT MIX (ARHM) OVERLAY
- (4A) COLD MILL EXIST AC 2.5" UNIFORM DEPTH, REMOVE PETROMAT AND CONSTRUCT 2.5" THICK ASPHALT RUBBER HOT MIX (ARHM) OVERLAY
- (5) REMOVE AND CONSTRUCT CURB AND GUTTER PER SPPWC PLAN NO. 120-2, TO MATCH EXISTING.
- (6) REMOVE EXISTING & CONSTRUCT PORTIONS OF 8" THICK PCC CROSS CUTTER SPANDEL PER SPPWC 122-2
- (7) REMOVE AND CONSTRUCT CURB RAMP PER CALTRANS STD. PLAN NO. A88A. CASE PER PLAN.
- (9) ADJUST/RELOCATE VALVE BOX FRAME AND COVER TO GRADE
- (10) ADJUST MANHOLE FRAME AND COVER TO GRADE
- (12) CONSTRUCT MEDIAN CURB PER SPPWC STD PLAN NO 121-2, TYPE C2-6
- (15) CONSTRUCT METAL HANDRAIL PER SPPWC STD PLAN NO 606-4, TYPE B



Know what's below.
Call before you dig.

REVISIONS

REV.	DATE	BY	DESCRIPTION	APP'VD	REV.	DATE	BY	DESCRIPTION	APP'VD

PLANS PREPARED BY:
WILLDAN
13101 CROSSROADS PARKWAY NORTH
SUITE 400, INDUSTRY, CA 91746
(626) 908-6200
UNDER THE SUPERVISION OF:
[Signature]
TYRONE PETER RCE 81888 DATE
DRAWN BY: SM/BR DESIGNED BY: BR/AE CHECKED BY: TP

7-11-19
REGISTERED PROFESSIONAL ENGINEER
TYRONE PETER
NO. 81888
PATSY OROZCO, BE ASSISTANT II
CIVIL ENGINEERS
STATE OF CALIFORNIA

SUBMITTED BY:
[Signature]
TYRONE PETER
CITY OF
SAN FERNANDO
HISTORIC & VISIONARY
PUBLIC WORKS DEPARTMENT

STREET RESURFACING PLAN
GLEN OAKS BOULEVARD
50+00 TO EAST CITY LIMITS
JOB NO. 7595

CONSTRUCTION NOTES:

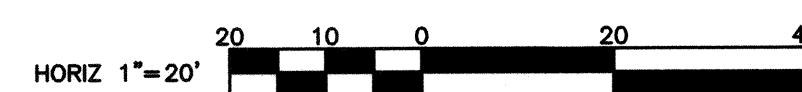
- ① PROTECT IN PLACE
 - ② REMOVE AS SHOWN
 - ③ REMOVE AND CONSTRUCT CURB RAMP PER CALTRANS STD. PLAN NO. A88A. CASE PER PLAN.
 - ④ ADJUST/RELOCATE VALVE BOX FRAME AND COVER TO GRADE
 - ⑤ CONSTRUCT MEDIAN CURB PER SPPWC STD PLAN NO 121-2, TYPE C2-6
 - ⑥ CONSTRUCT 4" PCC

CURB DATA TABLE

SEGMENT	RADIUS	BEARING / DELTA	LENGTH	TANGENT
C1	6.50'	180°00'00"	20.42'	INFINITY'
C2	205.00'	12°40'49"	45.37'	22.78'
C3	205.00'	12°40'49"	45.37'	22.78'
C4	1.50'	180°00'00"	4.71'	INFINITY'
C5	1.50'	180°00'00"	4.71'	INFINITY'
C6	1.50'	175°44'45"	4.60'	40.38'
C7	305.85'	8°27'39"	45.16'	22.62'
C8	305.85'	8°27'39"	45.16'	22.62'
L1		N42°56'30"W	78.54'	
L2		S42°56'30"E	168.54'	
L3		N41°06'15"W	48.34'	
L4		N43°13'52"W	134.74'	
L5		S38°58'37"E	44.67'	
L6		S41°06'15"E	48.34'	

CURB DATA TABLE

SEGMENT	RADIUS	BEARING / DELTA	LENGTH	TANGENT
C9	1.50'	175°44'45"	4.60'	40.38'
C10	305.88'	8°27'37"	45.17'	22.62'
C11	305.88'	8°27'37"	45.17'	22.62'
C12	1.50'	180°00'00"	4.71'	INFINITY'
C13	1.50'	180°00'00"	4.71'	INFINITY'
C14	321.60'	8°27'39"	47.49'	23.79'
C15	1.50'	175°44'45"	4.60'	40.38'
C16	290.10'	8°27'39"	42.84'	21.46'
L7		S38°58'37"E	44.67'	
L8		S41°06'15"E	42.52'	
L9		S41°04'01"E	11.18'	
L10		N41°04'01"W	11.18'	
L11		N41°06'15"W	42.52'	
L12		N43°13'52"W	134.74'	
L13		S41°04'01"E	46.05'	
L14		S43°11'39"E	134.74'	
L15		N38°56'24"W	44.67'	
L16		N41°04'01"W	46.05'	



SHEET No.
06
OF
20

**EDIAN STREET IMPROVEMENT PLAN
GLEN OAKS BOULEVARD
ORANGE GROVE AVE TO HARPS ST**



CITY OF
SAN FERNANDO
HISTORIC & VISIONARY

PLANS PREPARED BY:	
 WILLDAN Engineering extending your reach	
13191 CROSSROADS PARKWAY NORTH SUITE 405, INDUSTRY, CA 91746 (562) 908-6200	
UNDER THE SUPERVISION OF:	
	
Tyrone Peter RCE 81888	
DATE	
	

REVISED EDITION

811

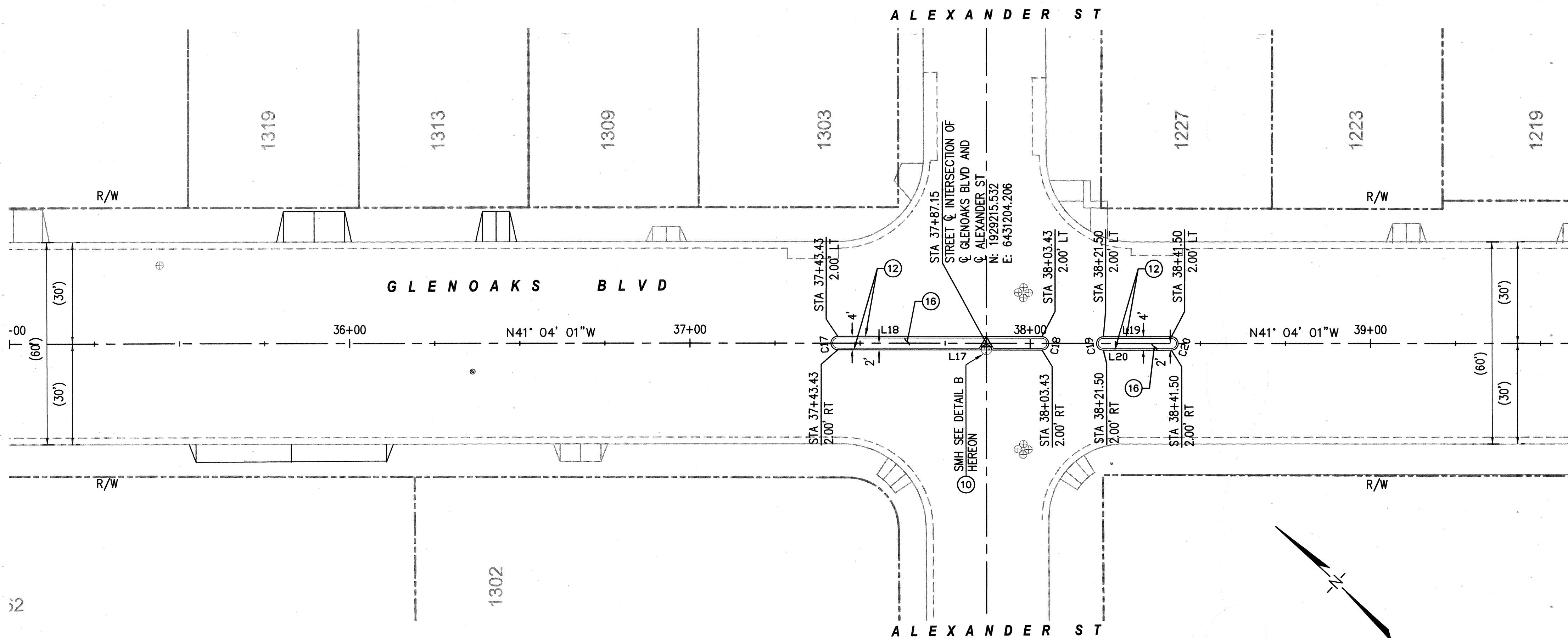
Know what's below.
Call before you dig.

Directory Path: U:\107289 - SF Glenoaks & HSIP-7\900-PS&E\901-Plans\pl-MEDIAN-01.dwg, Date: 07/11/19

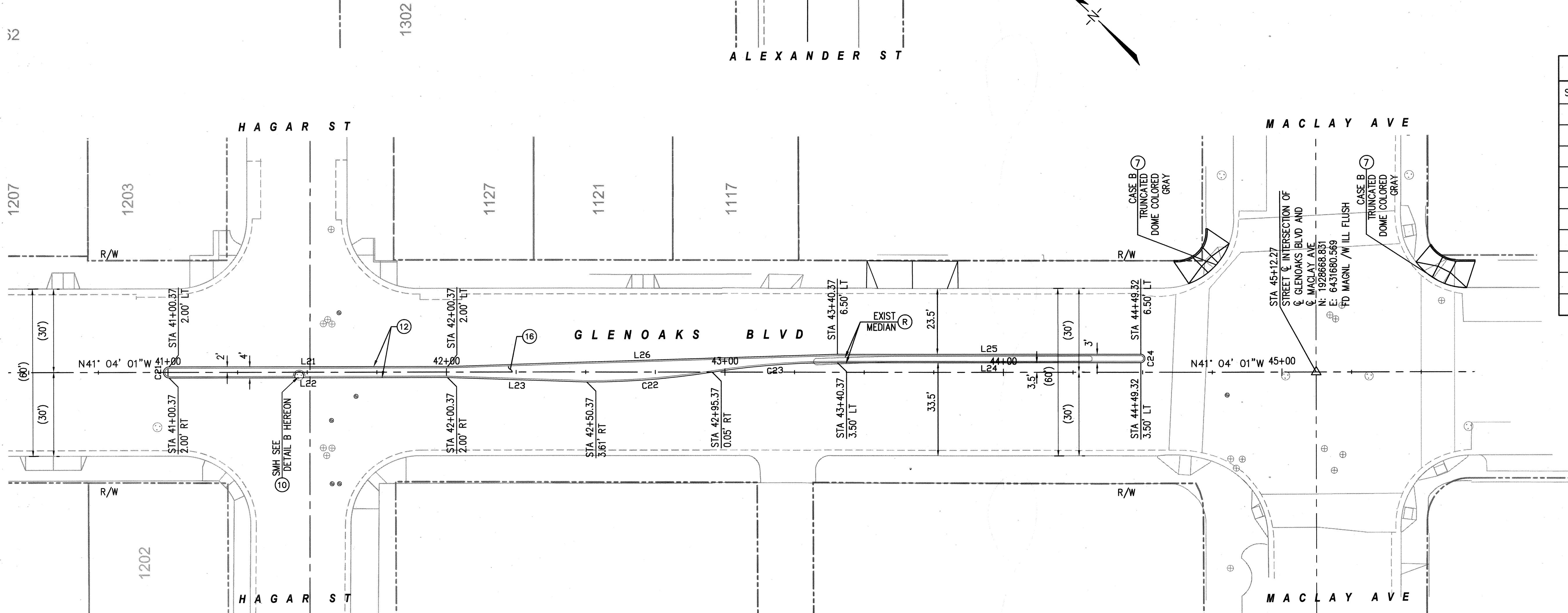
CONSTRUCTION NOTES:

- (P) PROTECT IN PLACE
- (R) REMOVE AS SHOWN
- (7) REMOVE AND CONSTRUCT CURB RAMP PER CALTRANS STD. PLAN NO. A88A. CASE PER PLAN.
- (10) ADJUST MANHOLE FRAME AND COVER TO GRADE
- (12) CONSTRUCT MEDIAN CURB PER SPPWC STD PLAN NO 121-2, TYPE C2-6
- (16) CONSTRUCT 4" PCC

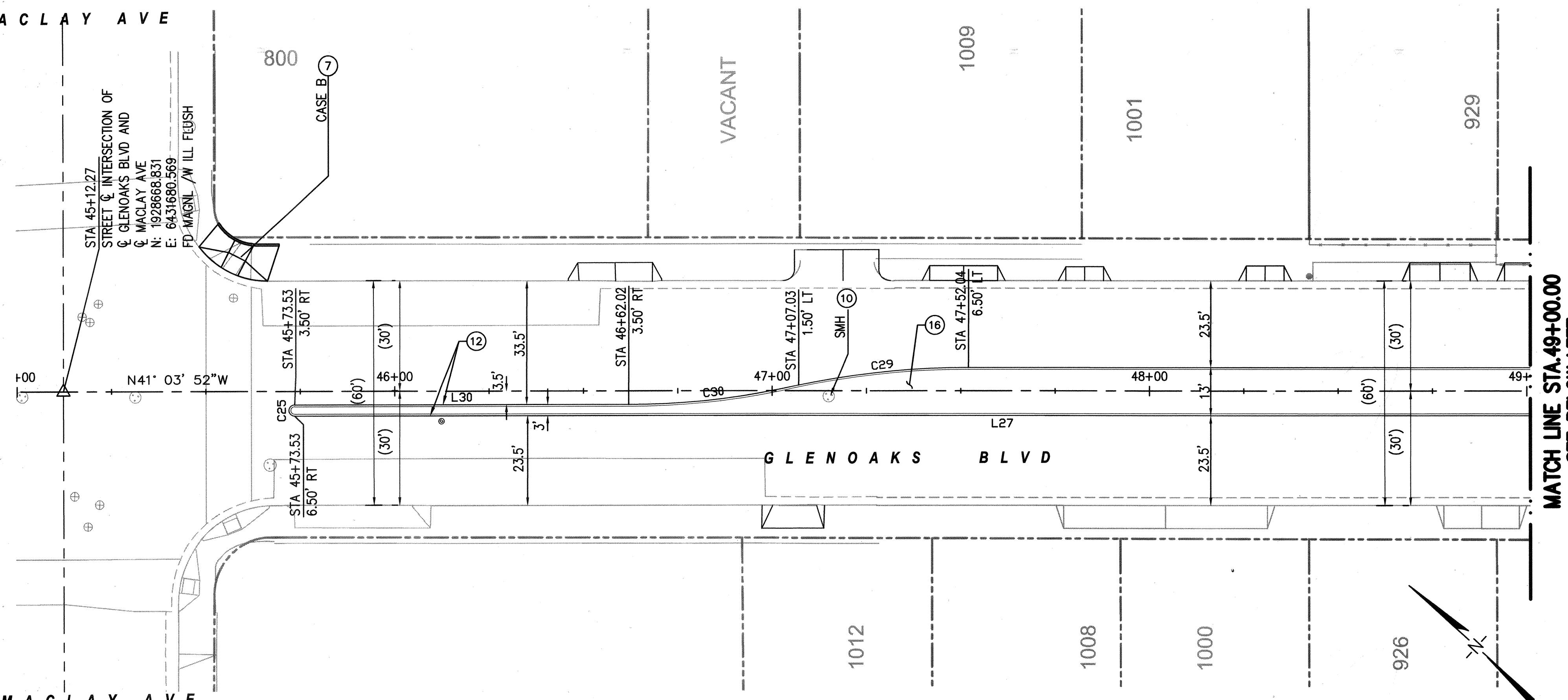
MEDIAN CURB AROUND MH STRUCTURE DETAIL B



CURB DATA TABLE				
SEGMENT	RADIUS	BEARING / DELTA	LENGTH	TANGENT
C17	2.00'	180°00'00"	6.28'	INFINITY'
C18	2.00'	180°00'00"	6.28'	INFINITY'
C19	2.00'	180°00'00"	6.28'	INFINITY'
C20	2.00'	180°00'00"	6.28'	INFINITY'
L17		N41°04'01"W	60.00'	
L18		S41°04'01"E	60.00'	
L19		S41°04'01"E	20.00'	
L20		N41°04'01"W	20.00'	



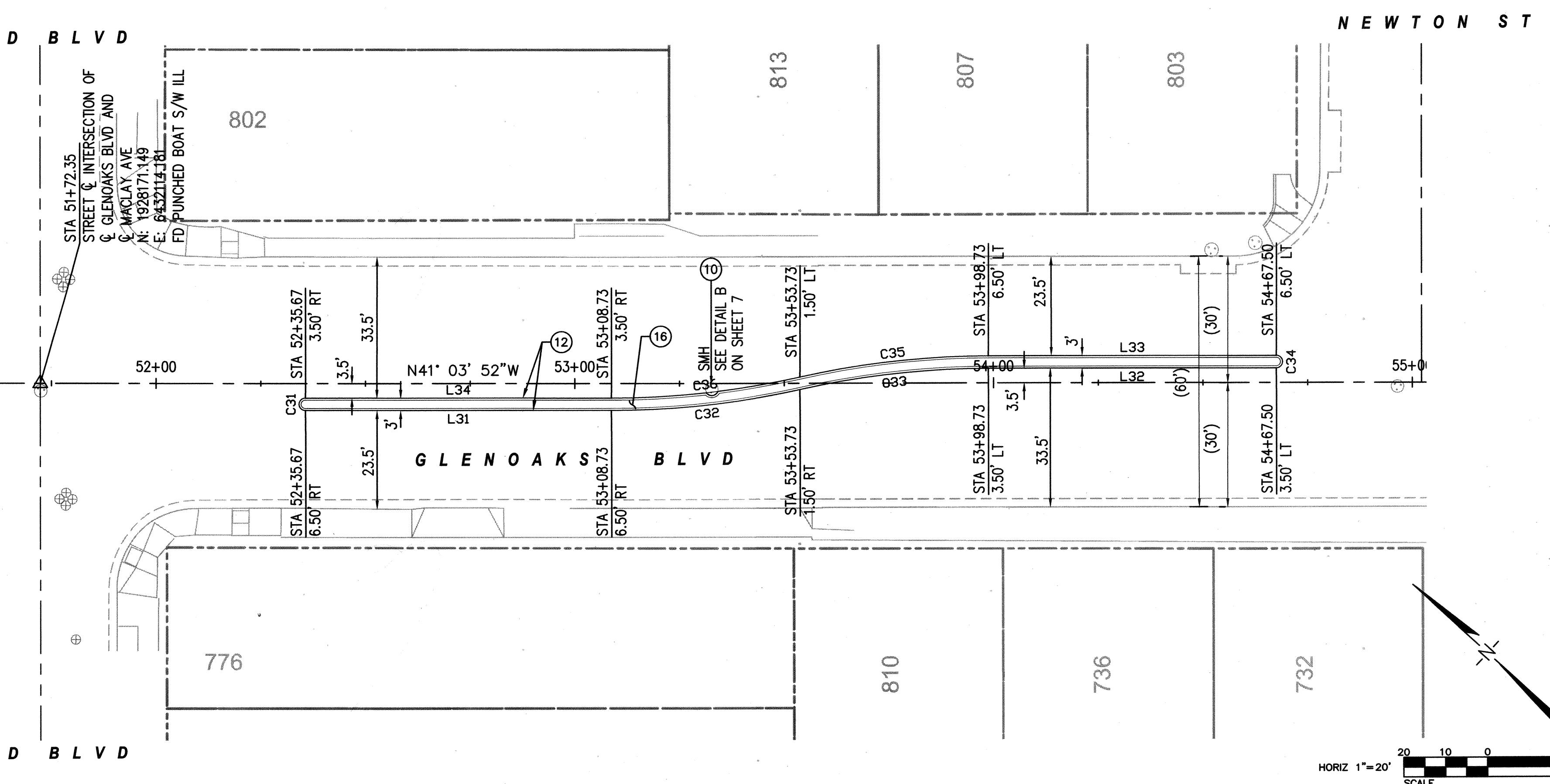
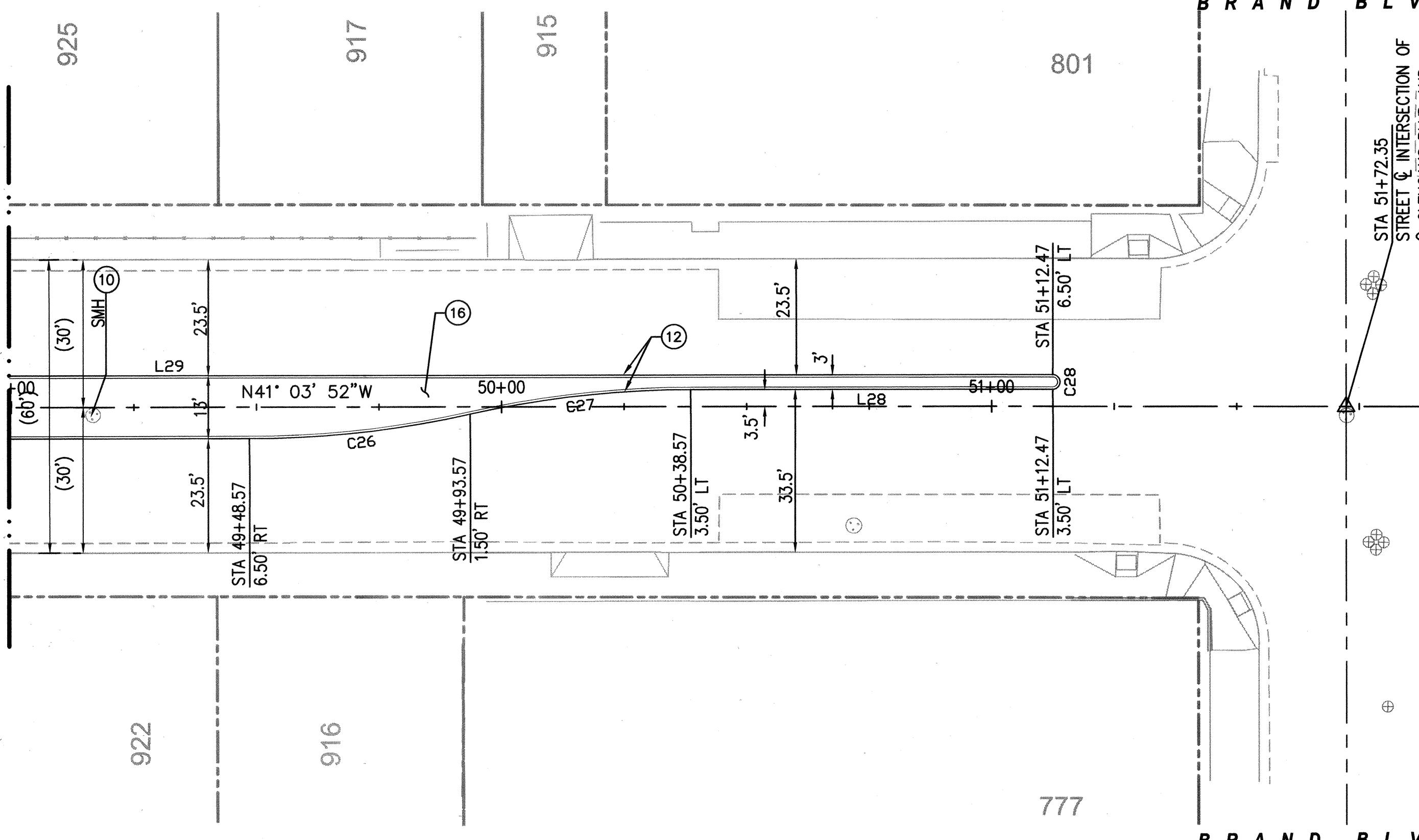
**MATCH LINE STA. 49+00.00
SEE ABOVE RIGHT**



CURB DATA TABLE				
SEGMENT	RADIUS	BEARING / DELTA	LENGTH	TANGENT
C25	1.50'	180°00'00"	4.71'	INFINITY'
C26	205.00'	12°40'49"	45.37'	22.78'
C27	205.00'	12°40'49"	45.37'	22.78'
C28	1.50'	180°00'00"	4.71'	INFINITY'
C29	205.09'	12°40'39"	45.38'	22.78'
C30	205.09'	12°40'39"	45.38'	22.78'
C31	1.50'	180°00'00"	4.71'	INFINITY'
C32	205.00'	12°40'49"	45.37'	22.78'
C33	205.00'	12°40'49"	45.37'	22.78'
C34	1.50'	180°00'00"	4.71'	INFINITY'
C35	205.00'	12°40'49"	45.37'	22.78'
C36	205.00'	12°40'49"	45.37'	22.78'
L27	S41°03'52"E		375.04'	
L28	S41°03'52"E		73.90'	
L29	N41°03'52"W		360.44'	
L30	N41°03'52"W		88.49'	
L31	N41°03'52"W		73.07'	
L32	N41°03'52"W		68.77'	
L33	S41°03'52"E		68.77'	
L34	S41°03'52"E		73.07'	

CONSTRUCTION NOTES:

- (P) PROTECT IN PLACE
- (R) REMOVE AS SHOWN
- (7) REMOVE AND CONSTRUCT CURB RAMP PER CALTRANS STD. PLAN NO. A88A. CASE PER PLAN.
- (10) ADJUST MANHOLE FRAME AND COVER TO GRADE
- (12) CONSTRUCT MEDIAN CURB PER SPPWC STD PLAN NO 121-2, TYPE C2-6
- (16) CONSTRUCT 4" PCC



HORZ 1"=20'
SCALE 20 10 0 20 40 FEET



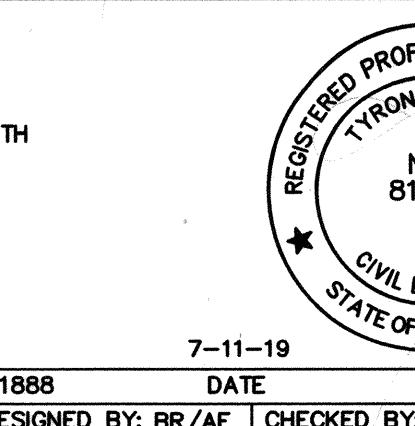
Know what's below.
Call before you dig.

REV.	DATE	BY	DESCRIPTION	APP'D	REV.	DATE	BY	DESCRIPTION	APP'D

REVISIONS

PLANS PREPARED BY:
WILLDAN
Engineering
13101 CROSSROADS PARKWAY NORTH
SUITE 400, INDUSTRY, CA 91746
(662) 908-6200
UNDER THE SUPERVISION OF:

Signature



SUBMITTED BY:

PATSY OROZCO, CE ASSISTANT II
TYRONE PETER
NO. 81888
CIVIL ENGINEER
STATE OF CALIFORNIA
7-11-19
TYRONE PETER
RCE 81888
DATE
DRAWN BY: SM/BR
DESIGNED BY: BR/AE
CHECKED BY: TP

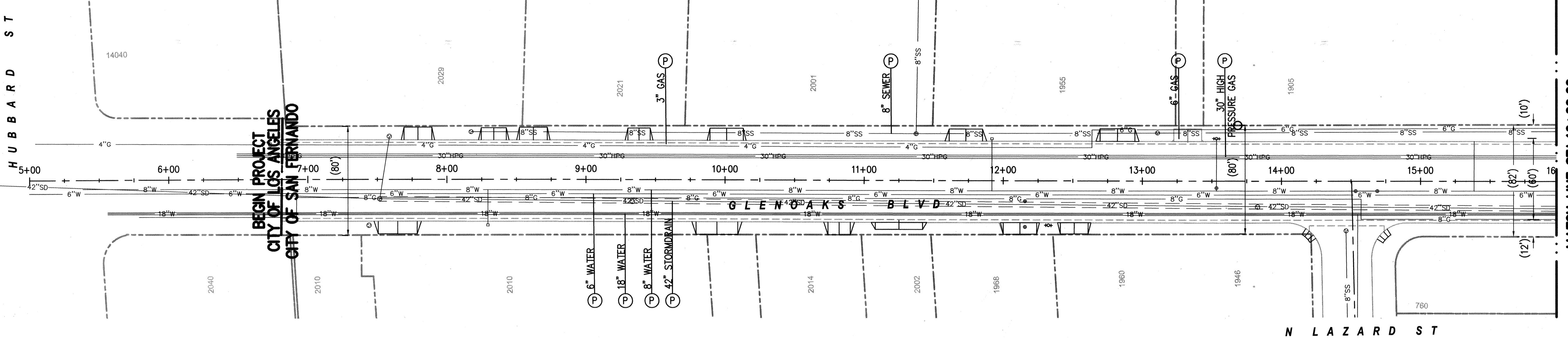
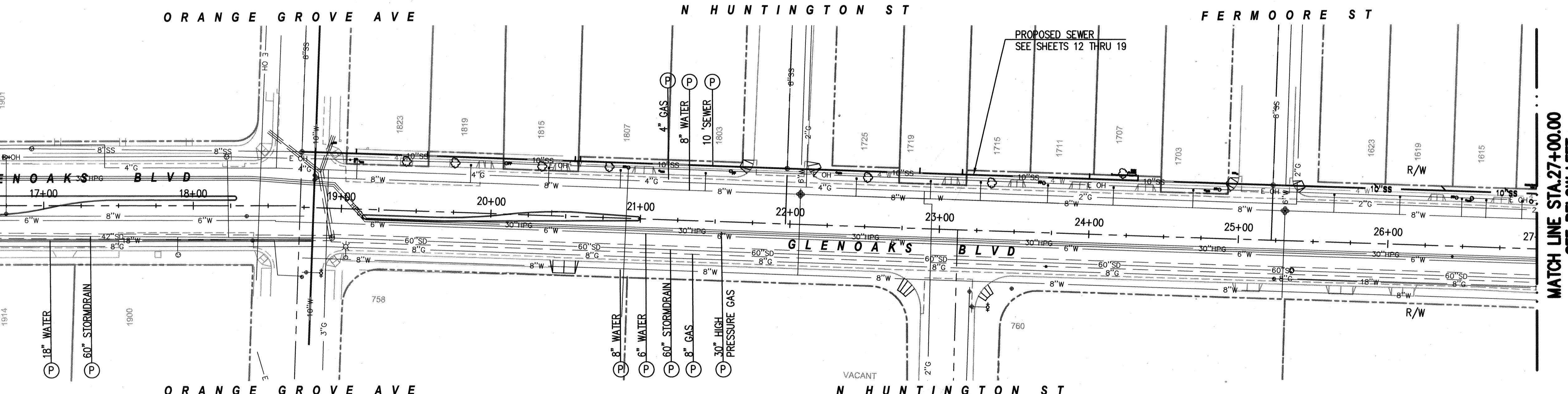
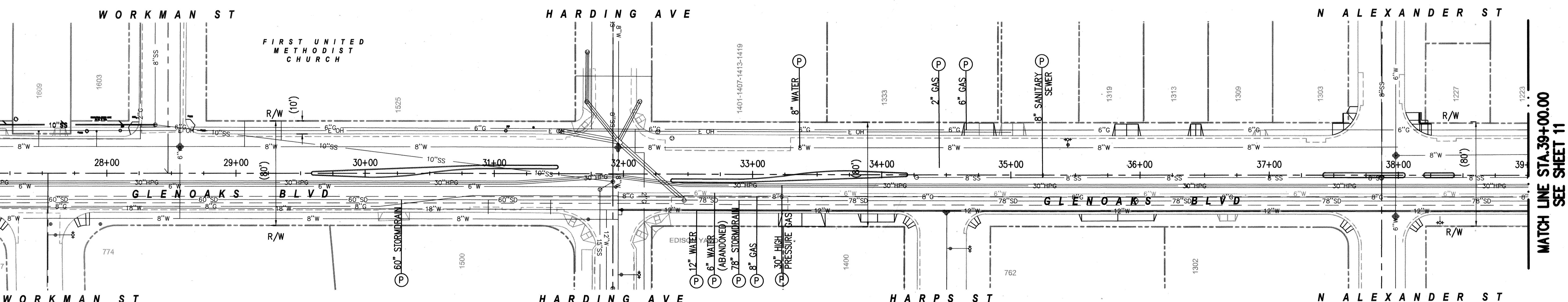


**MEDIAN STREET IMPROVEMENT PLAN
GLEN OAKS BOULEVARD
MACLAY AVE TO NEWTON ST**
JOB NO. 7595
PLAN NO. P-728

SHEET NO.
08
OF
20

CONSTRUCTION NOTES:

(P) PROTECT IN PLACE

**MATCH LINE STA.16+00.00
SEE BELOW LEFT****MATCH LINE STA.16+00.00
SEE ABOVE RIGHT**HORZ 1" = 40' 40 20 0 40 80
SCALE FEET**MATCH LINE STA.27+00.00
SEE ABOVE RIGHT**Know what's below.
Call before you dig.

REVISIONS

REV.	DATE	BY	DESCRIPTION	APP'D	REV.	DATE	BY	DESCRIPTION	APP'D

PLANS PREPARED BY:
WILLIAMS
13191 CROSSROADS PARKWAY NORTH
SUITE 405, INDUSTRY, CA 91746
(626) 908-6200
UNDER THE SUPERVISION OF:
Tyrone Peter

REGISTERED PROFESSIONAL ENGINEER
NO. 81888
PATSY GROZCO, CE ASSISTANT II
TYRONE PETER
CIVIL ENGINEERS
STATE OF CALIFORNIA
7-11-19

SUBMITTED BY:
Tyrone Peter
TYRONE PETER
CITY OF
SAN FERNANDO
HISTORIC & VISIONARY
7-11-19

PUBLIC WORKS DEPARTMENT
JOB NO. 7595
PLAN NO. P-728

UTILITY COMPOSITE PLAN
GLEN OAKS BOULEVARD
WEST CITY LIMITS TO ALEXANDER STREET

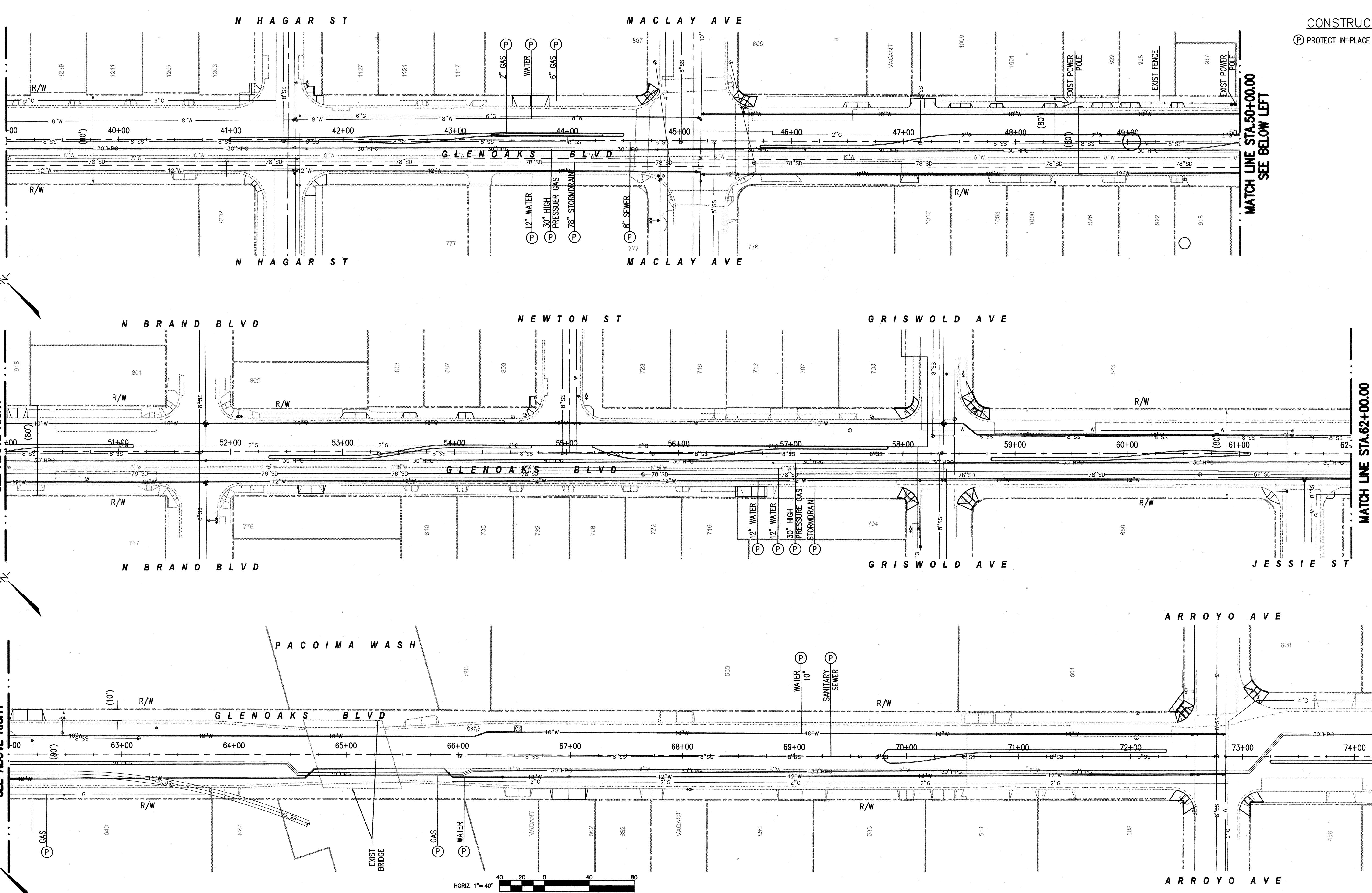
SHEET NO.
10
OF
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100

110

**MATCH LINE STA. 50+00.00
SEE ABOVE RIGHT**

**MATCH LINE STA. 39+00.00
SEE SHEET 10**

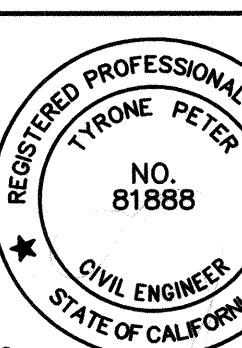


**Know what's below.
Call before you dig.**

REVISION

PLANS PREPARED BY:
 WILLDAN
Engineering | extending
your
reach

TH



	<p>SUBMITTED BY:</p> <p></p> <p>PATSY OROZCO, CE ASSISTANT II</p>	 DA
---	---	--

The logo for the City of San Fernando features a circular seal on the left. The seal contains a sunburst at the top, a bridge or arch in the center, and the word "CALIFORNIA" around the bottom. The words "CITY OF SAN FERNANDO" are written in a stylized font above the seal. Below the seal, the words "HISTORIC & VISIONARY" are written in a bold, sans-serif font.

**UTILITY COMPOSITE PLAN
GLEN OAKS BOULEVARD
HAGAR STREET TO EAST CITY LIMIT**

卷之三十一

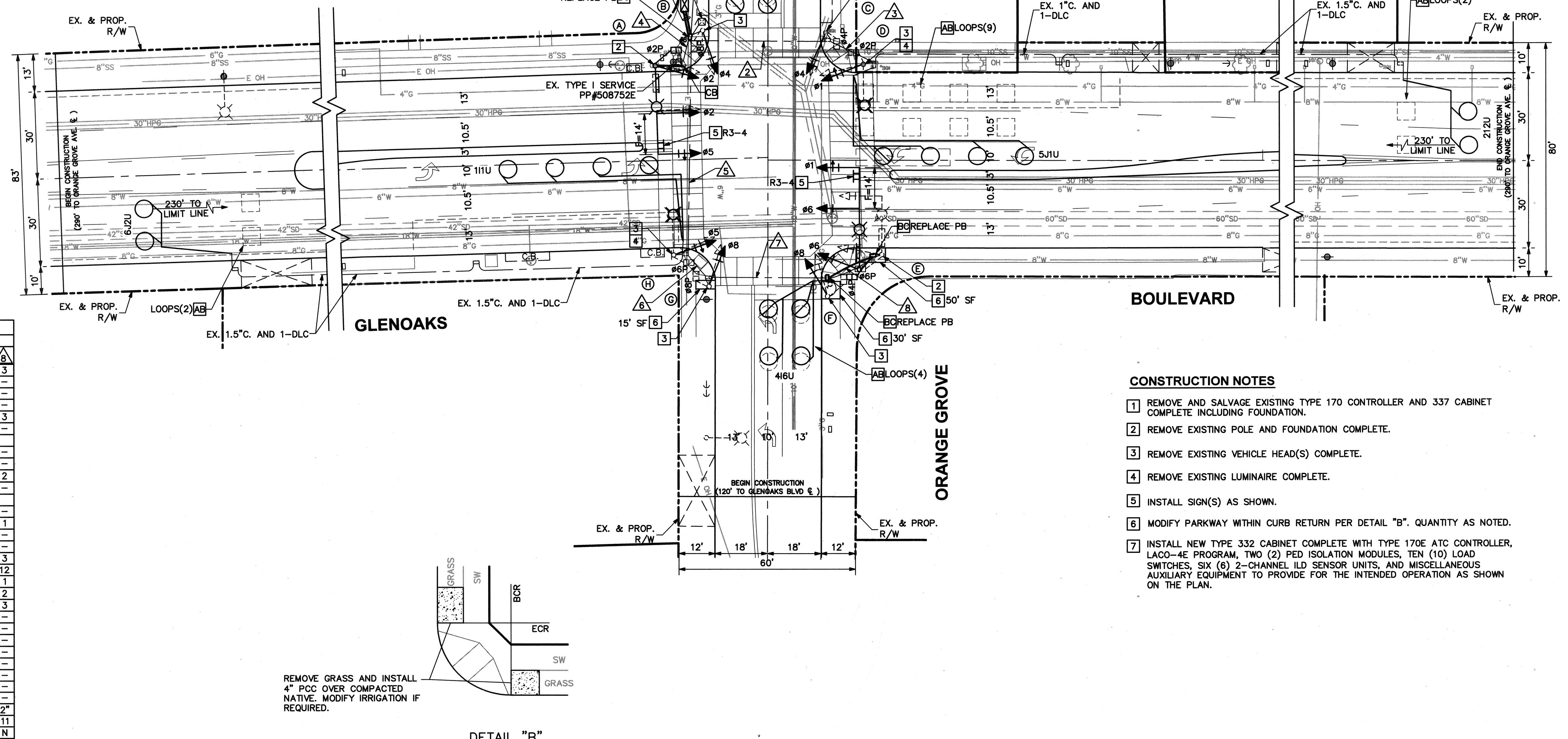
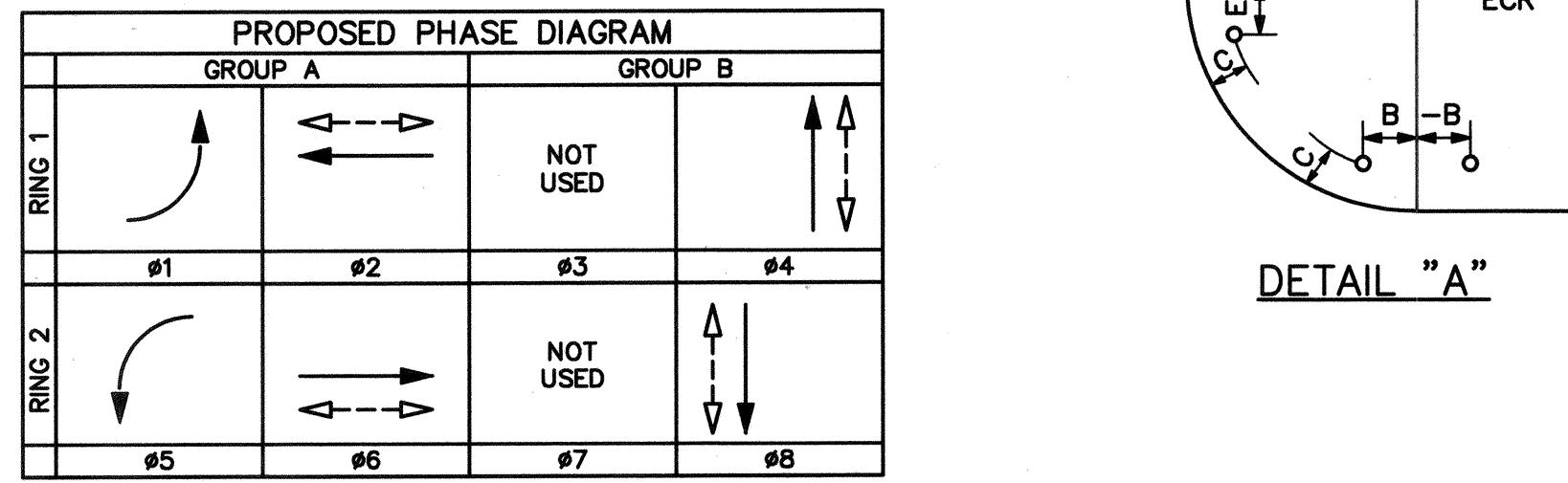
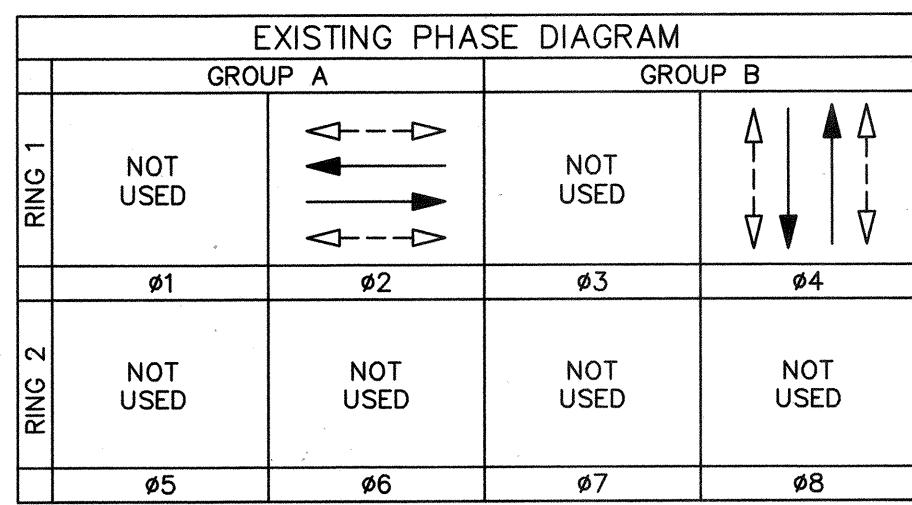
SHEET
II
OF
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No.	STANDARD			LUMINAIRE LED	VEHICLE SIGNAL MOUNTING			PED. SIGNAL	PPB	R.R.S.N.S.	POLE LOCATION (SEE DETAIL "A")			REMARKS
	TYPE	LUM. M.A.	SIG. M.A.		MAST ARM	POLE	MTG.	#			E	B	C	
(A) 24-4-100	12'	35'	200W(EQ)	MAS, MAS	SV-1-T	SP-1-T	8	S	LT	Orange Grove Ave CITY OF SAN FERNANDO	EXISTING	a. PEC	F=14'	
(B) 1-A(E)	-	-	-	-	TV-1-T	SP-1-T(E)	2	W(E)	RT(E)	-	EXISTING	WWV ANTENNA(E)		
(C) 1-A(E)	-	-	-	-	TV-1-T	SP-1-T(E)	2	W(E)	LT(E)	-	EXISTING			
(D) 15(CONC.) (E)	6'	-	200W(EQ)	-	SV-1-T	SP-1-T(F)	4	N(F)	RT(E)	-	EXISTING			
(E) 24-4-100	12'	35'	200W(EQ)	MAS, MAS	SV-1-T	SP-1-T	4	N	LT	Orange Grove Ave CITY OF SAN FERNANDO	-2'	-	7.5'	F=14'
(F) 1-A(E)	-	-	-	-	TV-1-T	SP-1-T(E)	6	E(E)	RT(E)	-	EXISTING			
(G) 1-A(E)	-	-	-	-	TV-1-T	SP-1-T(E)	6	E(E)	LT(E)	-	EXISTING			
(H) 15(CONC.) (E)	6'	-	200W(EQ)	-	SV-1-T	SP-1-T(E)	8	S(E)	RT(E)	-	EXISTING			

■ ALL EQUIPMENT IS NEW UNLESS OTHERWISE NOTED.

(E) = EXISTING

a. INSTALL NEW POLE AT EXISTING POLE LOCATION. SEE GENERAL NOTE 15.



Know what's below.
Call before you dig.

REV.	DATE	BY	DESCRIPTION	APP'D	REV.	DATE	BY	DESCRIPTION	APP'D

REVISIONS

PLANS PREPARED BY:
WILLIAMS Engineering
13191 CROSSROADS PARKWAY NORTH
SUITE 405, INDUSTRY, CA 91746
(562) 908-6200
UNDER THE SUPERVISION OF:

VANESSA MUÑOZ
RCE 67583
DRAWN BY: KC
DESIGNED BY: KC/BB
CHECKED BY: VM

SUBMITTED BY:
PATSY OROZCO, C.P.E.
CITY OF
SAN FERNANDO
HISTORIC & VISIONARY
PUBLIC WORKS DEPARTMENT

7-11-19
DATE
PLAN NO. P-728

TRAFFIC SIGNAL MODIFICATION PLAN
GLENOKS BOULEVARD
AT ORANGE GROVE AVENUE
JOB NO. 7595
PLAN NO. P-728

GENERAL NOTES

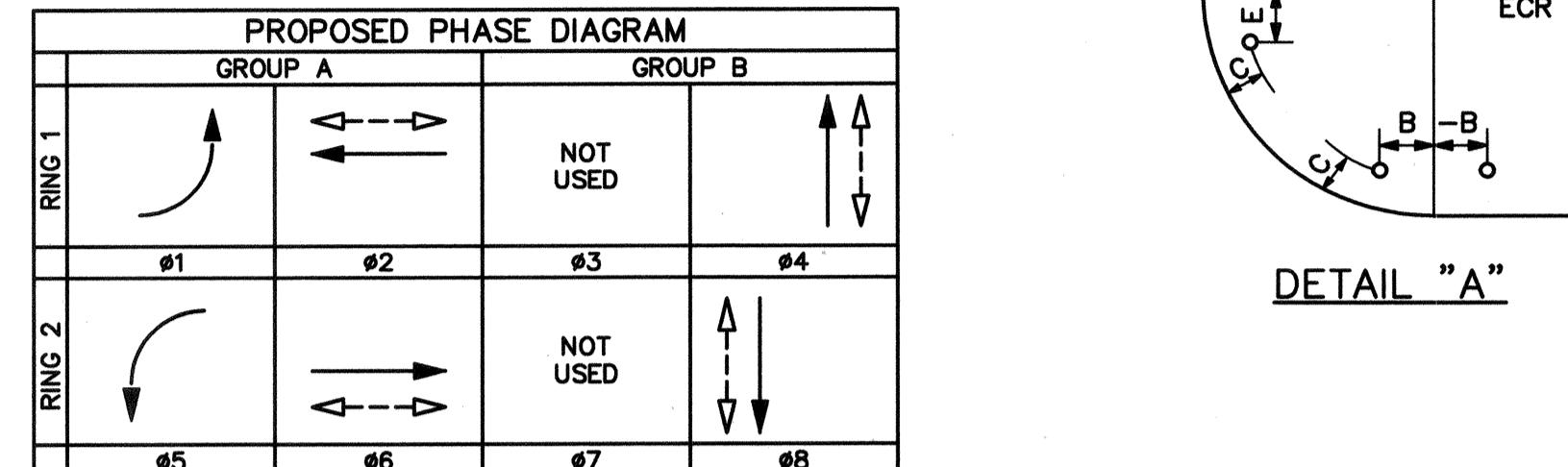
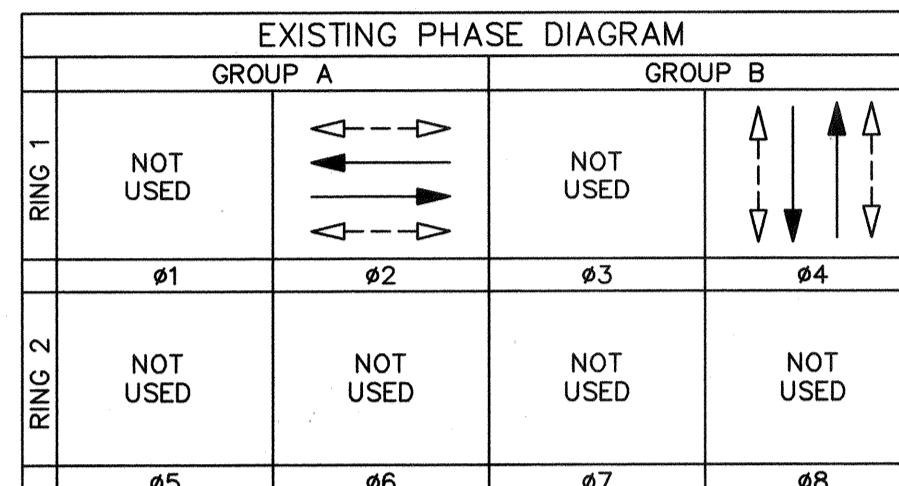
1. TRAFFIC SIGNAL AND HIGHWAY LIGHTING EQUIPMENT, AND INSTALLATION THEREOF SHALL CONFORM TO CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD), DATED 2014, CALTRANS REVISED STANDARD PLANS AND SPECIFICATIONS, DATED 2015, THIS PLAN, AND THE SPECIAL PROVISIONS.
2. ALL MATERIALS AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
3. VEHICLE INDICATIONS SHALL BE 12" LIGHT EMITTING DIODE (LED) RED, LED YELLOW, AND LED GREEN PER THE SPECIAL PROVISIONS.
4. CONDUIT SHALL BE MIN. 2" SCHEDULE 80 PVC AND PULL BOXES SHALL BE #5, UNLESS SHOWN OTHERWISE.
5. ALL CONDUIT AND PULL BOXES NOT SHOWN FOR REUSE SHALL BE ABANDONED.
6. CONDUCTOR SCHEDULE IS PROVIDED AS AN INSTALLATION GUIDE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CORRECT CONDUCTORS REQUIRED FOR THE INTENDED OPERATION.
7. PEDESTRIAN INDICATIONS SHALL BE LED COUNTDOWN PEDESTRIAN HEADS PER THE SPECIAL PROVISIONS.
8. ALL PEDESTRIAN PUSH BUTTONS AND SIGNS SHALL BE TYPE B (2" BUTTON) PUSH BUTTONS AND R10-4b PEDESTRIAN PUSH BUTTON SIGNS.
9. INDUCTIVE DETECTOR LOOPS SHALL BE 6" DIAMETER TYPE "E" AND CENTERED IN TRAVEL LANE. LIMIT LINE LOOPS SHALL BE TYPE "D" BICYCLE DETECTOR LOOPS PER CALTRANS STANDARDS. PLACE LIMIT LINE LOOPS AT THE CROSSWALK OR LIMIT LINE.
10. ALL WIRING SHALL BE MARKED (TAGGED) WITHIN THE CONTROLLER CABINET FOR PHASE IDENTIFICATION. ALL SIGNAL CABLES IN PULL BOXES SHALL BE MARKED AS TO WHICH POLE NO. THEY TERMINATE.
11. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND FACILITIES, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR THE TOTAL EXPENSE OF REPAIR OR REPLACEMENT OF ANY UNDERGROUND FACILITIES DAMAGED DURING CONSTRUCTION.
12. LOCATION OF UNDERGROUND FACILITIES ARE APPROXIMATE. THE CONTRACTOR SHALL POTHOLE TO DETERMINE THE EXACT LOCATION AND VERIFY ALL CONDITIONS ON THE JOBSITE PRIOR TO ORDERING POLES.
13. THE CONTRACTOR SHALL EXERCISE EXTREME CARE TO AVOID DAMAGING EXISTING UTILITIES BY LOCATING ALL UTILITIES PRIOR TO CONSTRUCTION. HAND DIG FOUNDATIONS UNTIL CLEAR OF OBSTRUCTION. COORDINATE POLE INSTALLATION WITH OVERHEAD UTILITY AND SUBSTRUCTURE OWNERS. CONTACT UNDERGROUND SERVICE ALERT AT (800) 422-4133, 48 HOURS PRIOR TO CONSTRUCTION.
14. ANY MODIFICATION OF OR CHANGES TO APPROVED PLANS MUST BE APPROVED BY THE CITY ENGINEER.
15. CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY EQUIPMENT NECESSARY TO MAINTAIN CURRENT SIGNAL OPERATION, INCLUDING BUT NOT LIMITED TO CONTROLLER ASSEMBLIES AND SIGNAL POLES.
16. CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT DURING INSTALLATION OF CONCRETE FOUNDATIONS ON ANY EXISTING NEARBY CABINETS, POLES, OR STANDARDS.
17. ALL FOUNDATIONS FROM WHICH POLES OR POSTS ARE REMOVED SHALL BE COMPLETELY REMOVED.
18. EXISTING HIGH VOLTAGE OVERHEAD UTILITY LINES EXIST ON THIS PROJECT. A HIGH VOLTAGE CONTRACTOR MAY BE REQUIRED FOR THE REMOVAL AND INSTALLATION OF TRAFFIC SIGNAL POLES. ANY ADDITIONAL COSTS FOR SUCH WORK SHALL BE INCURRED BY THE CONTRACTOR.

SHEET NO.
12
OF
20

POLE SCHEDULE ■															
No.	STANDARD			LUMINAIRE LED	VEHICLE SIGNAL MOUNTING		PED SIGNAL	PPB			R.R.S.N.S.	POLE LOCATION (SEE DETAIL "A")			REMARKS
	TYPE	LUM. M.A.	SIG. M.A.		MAST ARM	POLE		Ø	QUAD	ARROW		E	B	C	
(A)	24-4-100	12'	35'	200W(EQ)	MAS, MAS	SV-1-T	SP-1-T	8	S	LT	Harding Ave CITY OF SAN FERNANDO	EXISTING			PEC, F=14', a.
(B)	1-A(E)	-	-	-	-	TV-1-T	SP-1-T(E)	2	W(E)	RT(E)	-	EXISTING			
(C)	1-A(E)	-	-	-	-	TV-1-T	SP-1-T(E)	2	W(E)	LT(E)	-	EXISTING			
(D)	1-A(E)	-	-	-	-	TV-1-T	SP-1-T(E)	4	N(E)	RT(E)	-	EXISTING			
(E)	24-4-100	12'	35'	200W(EQ)	MAS, MAS	SV-1-T	SP-1-T	4	N	LT	Harding Ave CITY OF SAN FERNANDO	-1'	-	8'	F=14'
(F)	1-A(E)	-	-	-	-	TV-1-T	SP-1-T(E)	6	E(E)	RT(E)	-	EXISTING			
(G)	1-A(E)	-	-	-	-	TV-1-T	SP-1-T(E)	6	E(E)	LT(E)	-	EXISTING			
(H)	15(CONC.)(E)	6'	-	200W(EQ)	-	SV-1-T	SP-1-T(E)	8	S(E)	RT(E)	-	EXISTING			

■ ALL EQUIPMENT IS NEW UNLESS OTHERWISE NOTED
(E) = EXISTING

a. INSTALL NEW POLE AT EXISTING POLE LOCATION. SEE GENERAL NOTE 15.



POLE SCHEDULE

▲ ALL CONDUCTORS ARE NEW



**Know what's below.
Call before you dig.**

REVISED EDITION

PLANS PREPARED BY:
 WILLDAN
Engineering

A circular registration stamp. The outer ring contains the text "REGISTERED PROFESSIONAL" at the top and "CIVIL ENGINEER" at the bottom, with "STATE OF CALIFORNIA" at the bottom. The inner circle contains "VANESSA MUÑOZ" at the top, "NO. 67583" in the center, and a small five-pointed star to the left.

The logo for the City of San Fernando. It consists of a circular seal on the left and text on the right. The seal features a sun rising over a mountain range, with a river or path leading towards it. Below the seal, the words "CALIFORNIA" are written. To the right of the seal, the words "CITY OF" are written in a curved, serif font. Below this, the word "SAN FERNANDO" is written in a large, bold, sans-serif font. Underneath "SAN FERNANDO", the words "HISTORIC & VISIONARY" are written in a smaller, bold, sans-serif font.

TRAFFIC SIGNAL MODIFICATION PLAN

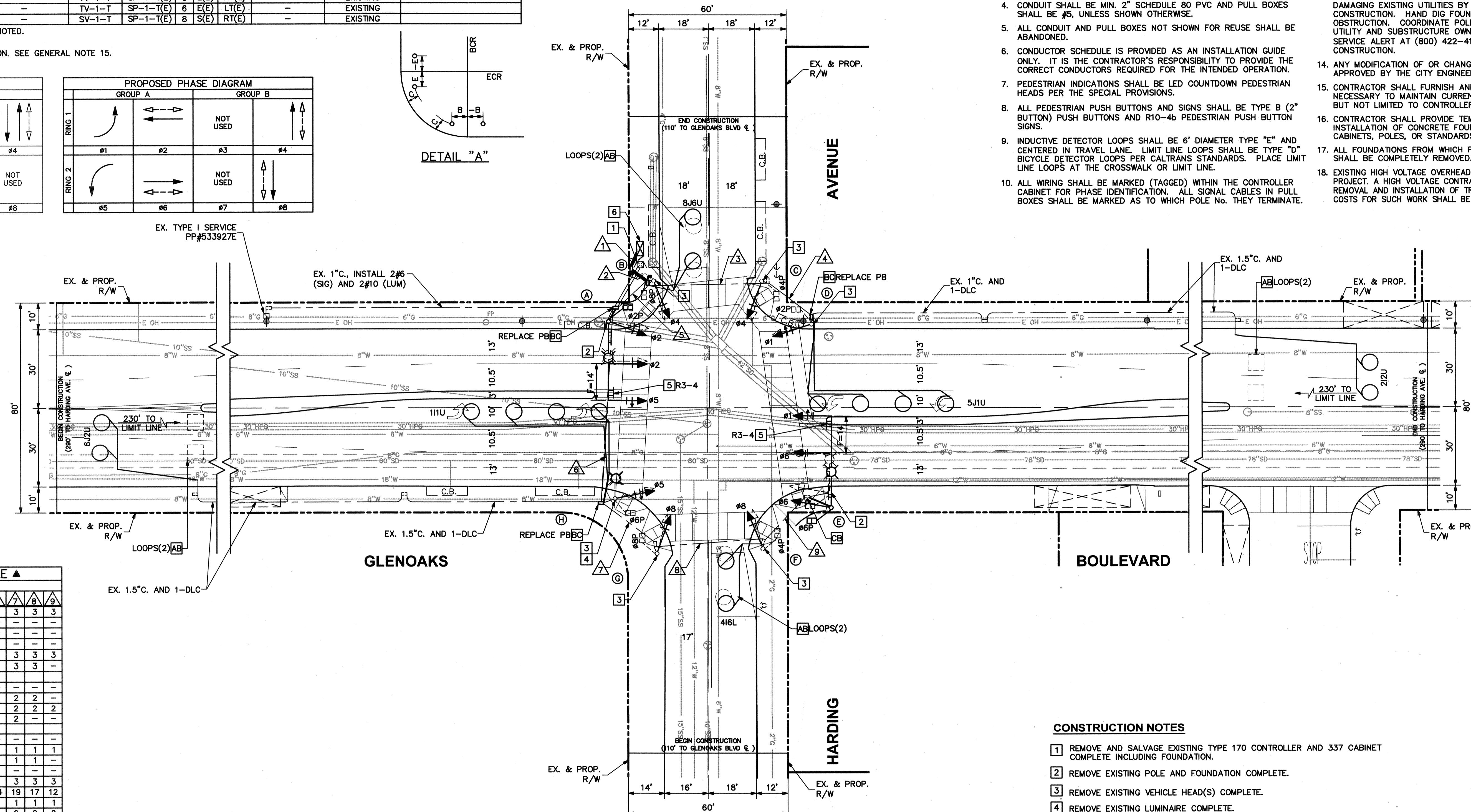
GLENOAKS BOULEVARD

AT HARDING AVENUE

SHEET N
13
OF
20

GENERAL NOTES

1. TRAFFIC SIGNAL AND HIGHWAY LIGHTING EQUIPMENT, AND INSTALLATION THEREOF SHALL CONFORM TO CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD), DATED 2014, CALTRANS REVISED STANDARD PLANS AND SPECIFICATIONS, DATED 2015, THIS PLAN, AND THE SPECIAL PROVISIONS.
 2. ALL MATERIALS AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
 3. VEHICLE INDICATIONS SHALL BE 12" LIGHT EMITTING DIODE (LED) RED, LED YELLOW, AND LED GREEN PER THE SPECIAL PROVISIONS.
 4. CONDUIT SHALL BE MIN. 2" SCHEDULE 80 PVC AND PULL BOXES SHALL BE #5, UNLESS SHOWN OTHERWISE.
 5. ALL CONDUIT AND PULL BOXES NOT SHOWN FOR REUSE SHALL BE ABANDONED.
 6. CONDUCTOR SCHEDULE IS PROVIDED AS AN INSTALLATION GUIDE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CORRECT CONDUCTORS REQUIRED FOR THE INTENDED OPERATION.
 7. PEDESTRIAN INDICATIONS SHALL BE LED COUNTDOWN PEDESTRIAN HEADS PER THE SPECIAL PROVISIONS.
 8. ALL PEDESTRIAN PUSH BUTTONS AND SIGNS SHALL BE TYPE B (2" BUTTON) PUSH BUTTONS AND R10-4b PEDESTRIAN PUSH BUTTON SIGNS.
 9. INDUCTIVE DETECTOR LOOPS SHALL BE 6' DIAMETER TYPE "E" AND CENTERED IN TRAVEL LANE. LIMIT LINE LOOPS SHALL BE TYPE "D" BICYCLE DETECTOR LOOPS PER CALTRANS STANDARDS. PLACE LIMIT LINE LOOPS AT THE CROSSWALK OR LIMIT LINE.
 10. ALL WIRING SHALL BE MARKED (TAGGED) WITHIN THE CONTROLLER CABINET FOR PHASE IDENTIFICATION. ALL SIGNAL CABLES IN PULL BOXES SHALL BE MARKED AS TO WHICH POLE No. THEY TERMINATE.
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 13. THE CONTRACTOR SHALL EXERCISE EXTREME CARE TO AVOID DAMAGING EXISTING UTILITIES BY LOCATING ALL UTILITIES PRIOR TO CONSTRUCTION. HAND DIG FOUNDATIONS UNTIL CLEAR OF OBSTRUCTION. COORDINATE POLE INSTALLATION WITH OVERHEAD UTILITY AND SUBSTRUCTURE OWNERS. CONTACT UNDERGROUND SERVICE ALERT AT (800) 422-4133, 48 HOURS PRIOR TO CONSTRUCTION.
 14. ANY MODIFICATION OF OR CHANGES TO APPROVED PLANS MUST BE APPROVED BY THE CITY ENGINEER.
 15. CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY EQUIPMENT NECESSARY TO MAINTAIN CURRENT SIGNAL OPERATION, INCLUDING BUT NOT LIMITED TO CONTROLLER ASSEMBLIES AND SIGNAL POLES.
 16. CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT DURING INSTALLATION OF CONCRETE FOUNDATIONS ON ANY EXISTING NEARBY CABINETS, POLES, OR STANDARDS.
 17. ALL FOUNDATIONS FROM WHICH POLES OR POSTS ARE REMOVED SHALL BE COMPLETELY REMOVED.
 18. EXISTING HIGH VOLTAGE OVERHEAD UTILITY LINES EXIST ON THIS PROJECT. A HIGH VOLTAGE CONTRACTOR MAY BE REQUIRED FOR THE REMOVAL AND INSTALLATION OF TRAFFIC SIGNAL POLES. ANY ADDITIONAL COSTS FOR SUCH WORK SHALL BE INCURRED BY THE CONTRACTOR.



CONSTRUCTION NOTES

- 1** REMOVE AND SALVAGE EXISTING TYPE 170 CONTROLLER AND 337 CABINET COMPLETE INCLUDING FOUNDATION.
 - 2** REMOVE EXISTING POLE AND FOUNDATION COMPLETE.
 - 3** REMOVE EXISTING VEHICLE HEAD(S) COMPLETE.
 - 4** REMOVE EXISTING LUMINAIRE COMPLETE.
 - 5** INSTALL SIGN(S) AS SHOWN.
 - 6** INSTALL NEW TYPE 332 CABINET COMPLETE WITH TYPE 170E ATC CONTROLLER, LACO-4E PROGRAM, TWO (2) PED ISOLATION MODULES, TEN (10) LOAD SWITCHES, SIX (6) 2-CHANNEL ILD SENSOR UNITS, AND MISCELLANEOUS AUXILIARY EQUIPMENT TO PROVIDE FOR THE INTENDED OPERATION AS SHOWN ON THE PLAN.

SCALE 1" = 20'

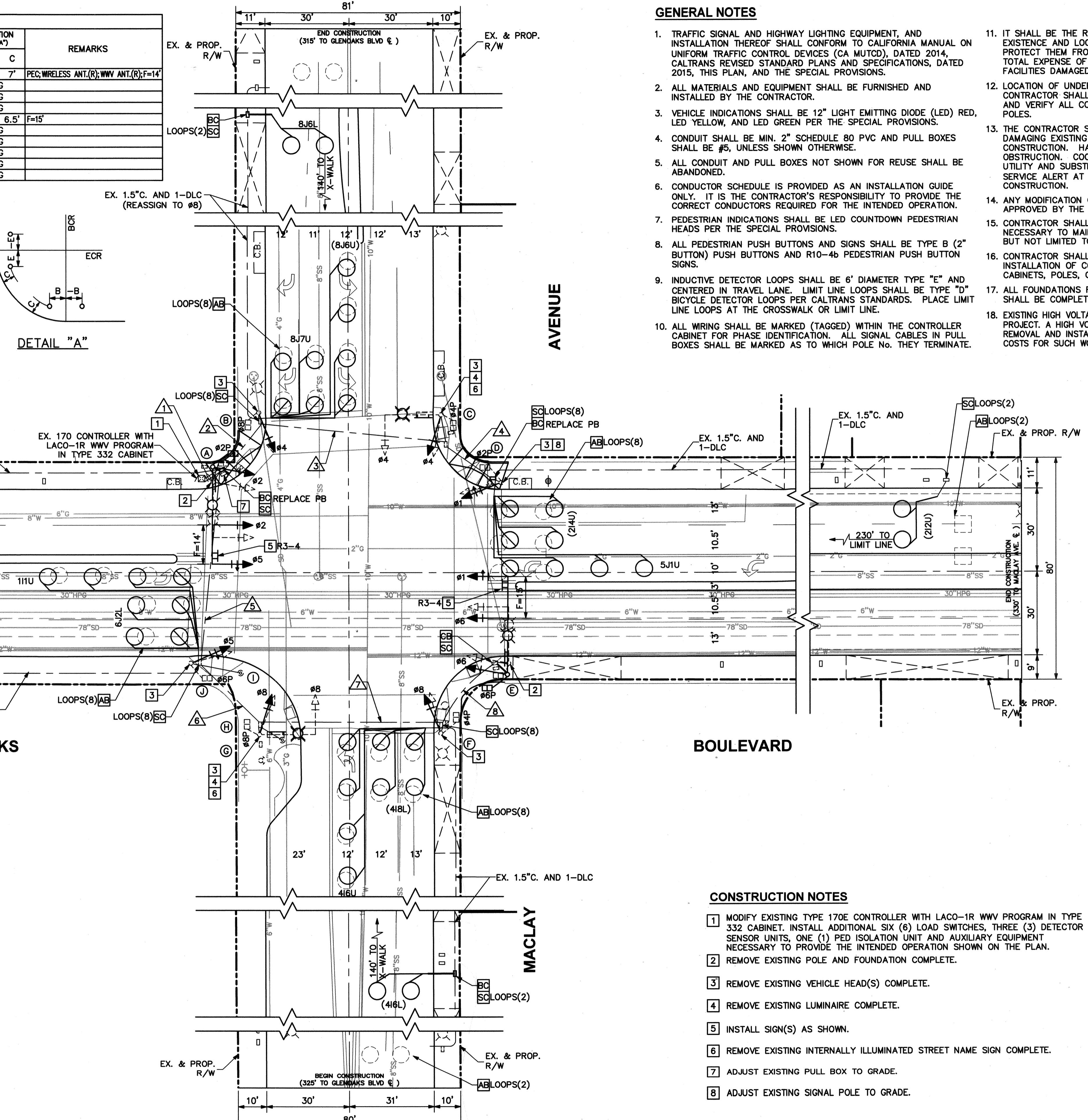
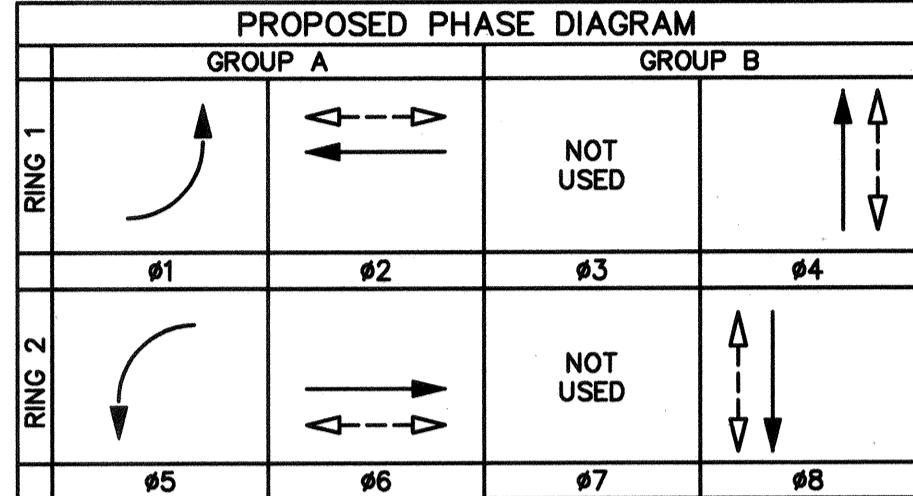
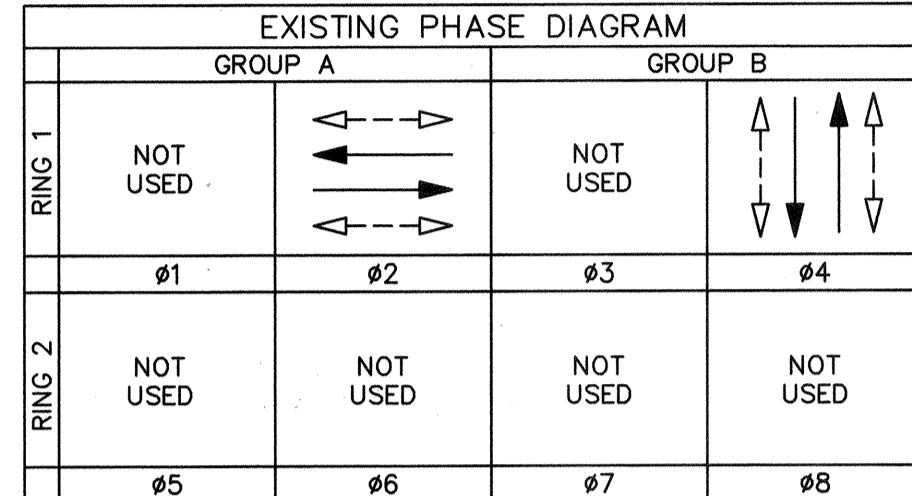
POLE SCHEDULE ■

No.	STANDARD			LUMINAIRE	VEHICLE SIGNAL MOUNTING			PED SIGNAL	PPB	R.R.S.N.S.	POLE LOCATION (SEE DETAIL "A")	REMARKS	
	Type	Lum. M.A.	Sig. M.A.		Mast Arm	Pole	MTG.	#	Quad	Arrow	E	B	C
(A) 24-4-100	12'	35'	150W(EQ)	MAS, MAS	SV-1-T	SP-1-T	6	S	LT		5.5'	-	7'
(B) 1-A(E)	-	-	-	-	TV-1-T	SP-1-T(E)	2	W(E)	RT(E)		-	-	-
(C) 17(E)	6'(E)	20'(E)	150W(EQ)	MAS(E)	SV-1-T	SP-1-T(E)	2	W(E)	LT(E)	Glenoaks CITY OF SAN FERNANDO	-	-	-
(D) 1-A(E)	-	-	-	-	TV-1-T	SP-1-T(E)	4	N(E)	RT(E)	Maclay Ave CITY OF SAN FERNANDO	-2'	-	6.5'
(E) 24-4-100	12'	35'	150W(EQ)	MAS, MAS	SV-1-T	SP-1-T	4	N	LT		-	-	F=15'
(F) 1-A(E)	-	-	-	-	TV-1-T	SP-1-T(E)	6	E(E)	RT(E)		-	-	-
(G) PPB POST(E)	-	-	-	-	-	-	6	E(E)	LT(E)	Glenoaks CITY OF SAN FERNANDO	-	-	-
(H) 17(E)	6'(E)	20'(E)	150W(EQ)	MAS(E)	SV-1-T	SP-1-T(E)	6	E(E)	LT(E)		-	-	-
(I) PPB POST(E)	-	-	-	-	-	-	8	N(E)	LT(E)		-	-	-
(J) 1-A(E)	-	-	-	-	TV-1-T	SP-1-T(E)	8	S(E)	RT(E)		-	-	-

■ ALL EQUIPMENT IS NEW UNLESS OTHERWISE NOTED.

(E) = EXISTING

(R) = RELOCATE



GENERAL NOTES

- TRAFFIC SIGNAL AND HIGHWAY LIGHTING EQUIPMENT, AND INSTALLATION THEREOF SHALL CONFORM TO CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD), DATED 2014, CALTRANS REVISED STANDARD PLANS AND SPECIFICATIONS, DATED 2015, THIS PLAN, AND THE SPECIAL PROVISIONS.
- ALL MATERIALS AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
- VEHICLE INDICATIONS SHALL BE 12" LIGHT EMITTING DIODE (LED) RED, LED YELLOW, AND LED GREEN PER THE SPECIAL PROVISIONS.
- CONDUIT SHALL BE MIN. 2" SCHEDULE 80 PVC AND PULL BOXES SHALL BE #5, UNLESS SHOWN OTHERWISE.
- ALL CONDUIT AND PULL BOXES NOT SHOWN FOR REUSE SHALL BE ABANDONED.
- CONDUCTOR SCHEDULE IS PROVIDED AS AN INSTALLATION GUIDE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CORRECT CONDUCTORS REQUIRED FOR THE INTENDED OPERATION.
- PEDESTRIAN INDICATIONS SHALL BE LED COUNTDOWN PEDESTRIAN HEADS PER THE SPECIAL PROVISIONS.
- ALL PEDESTRIAN PUSH BUTTONS AND SIGNS SHALL BE TYPE B (2" BUTTON) PUSH BUTTONS AND R10-4b PEDESTRIAN PUSH BUTTON SIGNS.
- INDUCTIVE DETECTOR LOOPS SHALL BE 6" DIAMETER TYPE "E" AND CENTERED IN TRAVEL LANE. LIMIT LINE LOOPS SHALL BE TYPE "D". BICYCLE DETECTOR LOOPS PER CALTRANS STANDARDS. PLACE LIMIT LINE LOOPS AT THE CROSSWALK OR LIMIT LINE.
- ALL WIRING SHALL BE MARKED (TAGGED) WITHIN THE CONTROLLER CABINET FOR PHASE IDENTIFICATION. ALL SIGNAL CABLES IN PULL BOXES SHALL BE MARKED AS TO WHICH POLE NO. THEY TERMINATE.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND FACILITIES, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR THE TOTAL EXPENSE OF REPAIR OR REPLACEMENT OF ANY UNDERGROUND FACILITIES DAMAGED DURING CONSTRUCTION.
- LOCATION OF UNDERGROUND FACILITIES ARE APPROXIMATE. THE CONTRACTOR SHALL POTHOLE TO DETERMINE THE EXACT LOCATION AND VERIFY ALL CONDITIONS ON THE JOBSITE PRIOR TO ORDERING POLES.
- THE CONTRACTOR SHALL EXERCISE EXTREME CARE TO AVOID DAMAGING EXISTING UTILITIES BY LOCATING ALL UTILITIES PRIOR TO CONSTRUCTION. HAND DIG FOUNDATIONS UNTIL CLEAR OF OBSTRUCTION. COORDINATE POLE INSTALLATION WITH OVERHEAD UTILITY AND SUBSTRUCTURE OWNERS. CONTACT UNDERGROUND SERVICE ALERT AT (800) 422-4133, 48 HOURS PRIOR TO CONSTRUCTION.
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CONDUCTOR SCHEDULE ▲

AWG	CIRCUIT	RUN											
		1	2	3	4	5	6	7	8	9	10	11	12
#14	#1 VEHICLE	6"	3'	3'	3'	3'	3'	3'	3'	3'	3'	3'	3'
	#2 VEHICLE	3'	-	-	-	-	-	-	-	-	-	-	-
	#4 VEHICLE	3'	3	3	-	-	-	-	-	-	-	-	-
	#5 VEHICLE	3'	-	-	-	3'	-	-	-	-	-	-	-
	#6 VEHICLE	3'	-	-	-	3'	3'	3'	3'	3'	3'	3'	3'
	#8 VEHICLE	3'	-	-	-	3'	3'	3'	3'	3'	3'	3'	3'
	#2 PED	2	2	2	2	-	-	-	-	-	-	-	-
	#4 PED	4	2	2	2	-	2	2	2	2	-	-	-
	#6 PED	2'	-	-	-	2'	2'	2'	2'	2'	2'	2'	2'
	#8 PED	2'	2'	-	-	2'	2'	2'	2'	2'	2'	2'	-
	#2 PPB	1	1	1	-	-	-	-	-	-	-	-	-
	#4 PPB	2	1	1	1	1	1	1	1	1	1	1	1
	#6 PPB	1'	-	-	-	1'	1'	1'	1'	1'	1'	1'	1'
	#8 PPB	1'	-	-	-	1'	-	-	-	-	-	-	-
	SPARES	3	3	3	3	3	3	3	3	3	3	3	3
	TOTAL	39	17	15	9	24	20	18	12				
#10	SIG. COMMON	1	1	1	1	1	1	1	1	1	1	1	1
	LUMINAIRE	-	2	2	2	2	2	2	2	2	2	2	2
	TOTAL	1	3	3	3	3	3	3	3	3	3	3	3
#6	SERVICE	2	-	-	-	-	-	-	-	-	-	-	-
TYPE	#1 DETECTOR	1'	-	-	-	1'	-	-	-	-	-	-	-
B	#2 DETECTOR	2	2	2	2	-	-	-	-	-	-	-	-
DLC	#4 DETECTOR	3	-	-	-	3	3	3	-	-	-	-	-
	#5 DETECTOR	1'	1'	1'	1'	-	-	-	-	-	-	-	-
	#6 DETECTOR	2	-	-	-	2	-	-	-	-	-	-	-
	#8 DETECTOR	3	3	-	-	3	-	-	-	-	-	-	-
	TOTAL	12	6	3	3	6	3	3	3	-	-	-	-
	CONDUIT SIZE	2"-2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"
	% FILL	28	28	20	16	33	24	22	11				

▲ ALL CONDUCTORS ARE EXISTING UNLESS OTHERWISE NOTED:
• = NEW CONDUCTORS

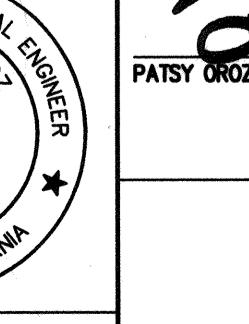


Know what's below.
Call before you dig.

REVISIONS

REV. DATE	BY	DESCRIPTION	APP'D	REV. DATE	BY	DESCRIPTION	APP'D
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PLANS PREPARED BY: WILLDAN Engineering
13101 CROSSROADS PARKWAY NORTH SUITE 405, INDUSTRY, CA 91746 (562) 908-6200
UNDER THE SUPERVISION OF: VANESSA MUÑOZ RCE 67583 DATE: 7-11-19
DRAWN BY: KC DESIGNED BY: KC/BB CHECKED BY: VM



SUBMITTED BY: PATSY OROZO, CE ASSISTANT II
NO. 67583 DATE: 7-11-19
CITY OF SAN FERNANDO
HISTORIC & VISIONARY
PUBLIC WORKS DEPARTMENT

TRAFFIC SIGNAL MODIFICATION PLAN
GLENOAKS BOULEVARD
AT MACLAY AVENUE
JOB NO. 7595 PLAN NO. P-728

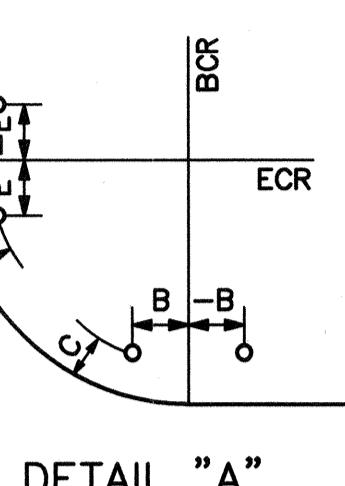
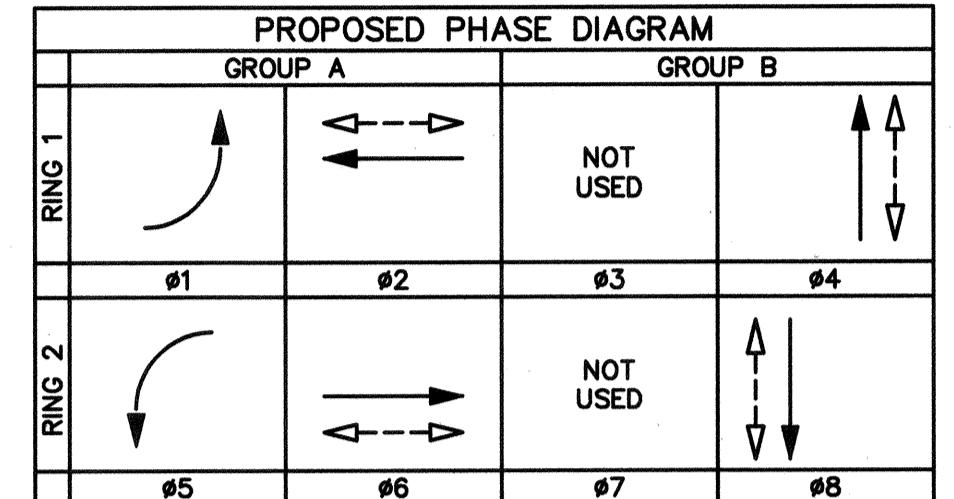
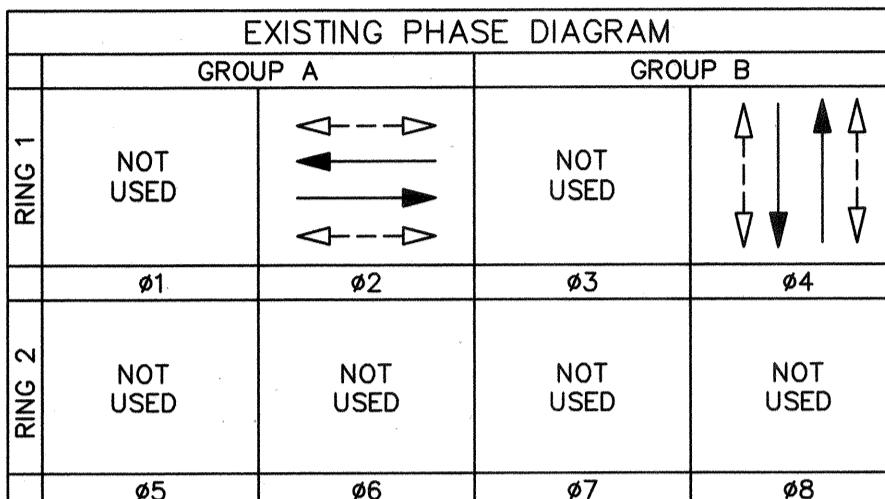
SHEET NO.
14
OF
20

SCALE : 1" = 20'
Direction Path: 1\10729 - SF Glenoaks & HSP-7900-PS&E\901-Plans\PL SIGNAL-03-MACLAY.dwg, Date: 07/11/19

POLE SCHEDULE ■

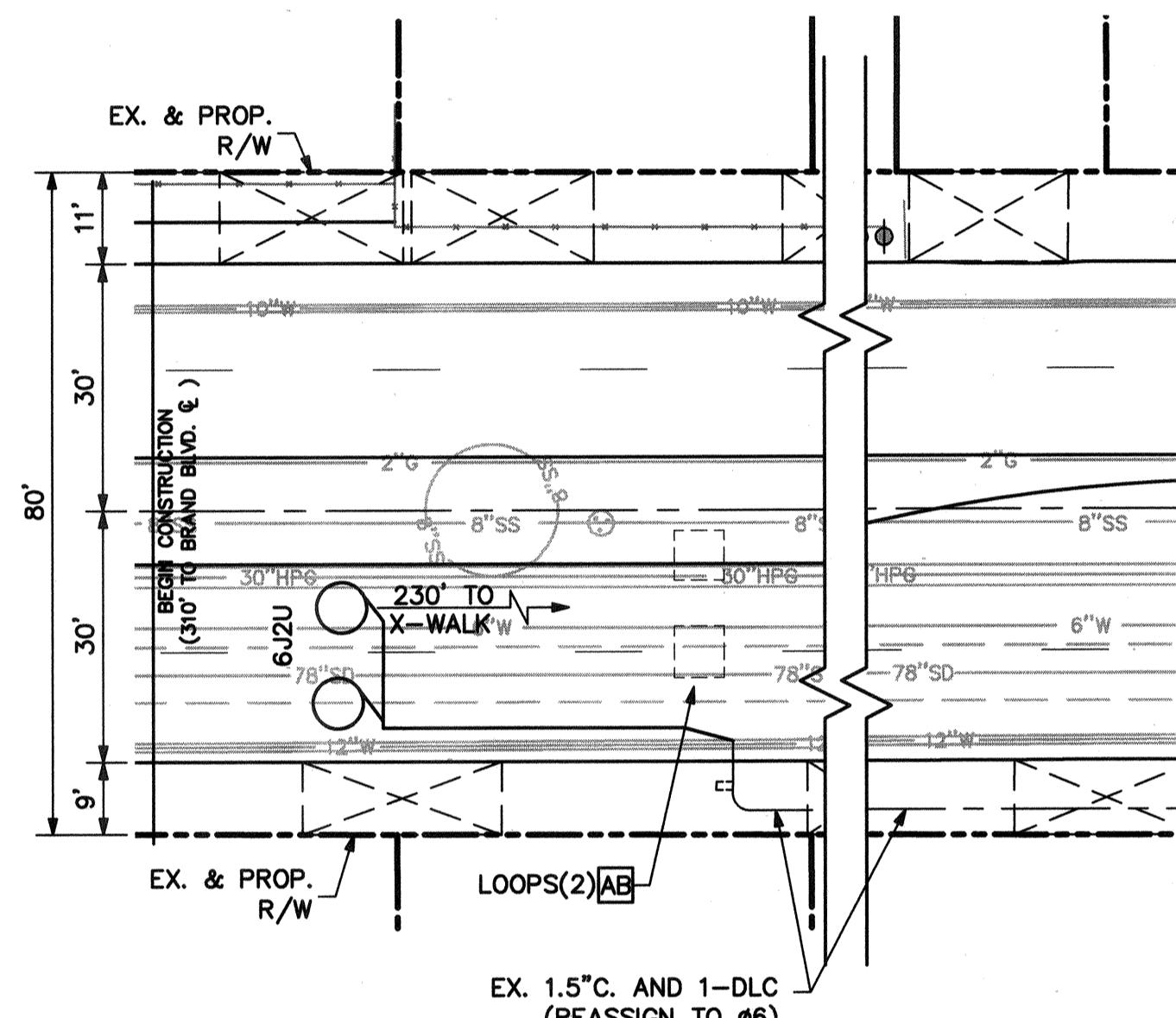
No.	STANDARD			LUMINAIRE	VEHICLE SIGNAL MOUNTING			PED SIGNAL	PPB	R.R.S.N.S.	POLE LOCATION (SEE DETAIL "A")			REMARKS
	Type	Lum. M.A.	Sig. M.A.		Mast Arm	Pole	MTG.	#	Quad	Arrow	E	B	C	
(A)	1-A(E)	-	-	-	-	TV-1-T(E)	SP-1-T(E)	6	E(E)	LT(E)	-	-	-	EXISTING
(B)	1-A(E)	-	-	-	-	TV-1-T	SP-1-T(E)	8	N	LT	-	-	-	EXISTING
(C)	19-4-100	12'	30'	200W(EQ)	MAS, MAS	SV-1-T	SP-1-T	8	S	LT	Grand Blvd	SEE PLAN	3'	PEC; F=14'
(D)	1-A(E)	-	-	-	-	TV-1-T(E)	SP-1-T(E)	2	W(E)	RT(E)	-	-	-	EXISTING
(E)	1-A(E)	-	-	-	-	TV-1-T(E)	SP-1-T(E)	2	W(E)	LT(E)	-	-	-	EXISTING
(F)	1-A(E)	-	-	-	-	TV-1-T	SP-1-T(E)	4	N	LT	-	-	-	EXISTING
(G)	19-4-100	12'	30'	200W(EQ)	MAS, MAS	SV-1-T	SP-1-T	4	S	LT	Grand Blvd	SEE PLAN	3'	F=14'
(H)	1-A(E)	-	-	-	-	TV-1-T(E)	SP-1-T(E)	6	E(E)	RT(E)	-	-	-	EXISTING

■ ALL EQUIPMENT IS NEW UNLESS OTHERWISE NOTED.
(E) = EXISTING

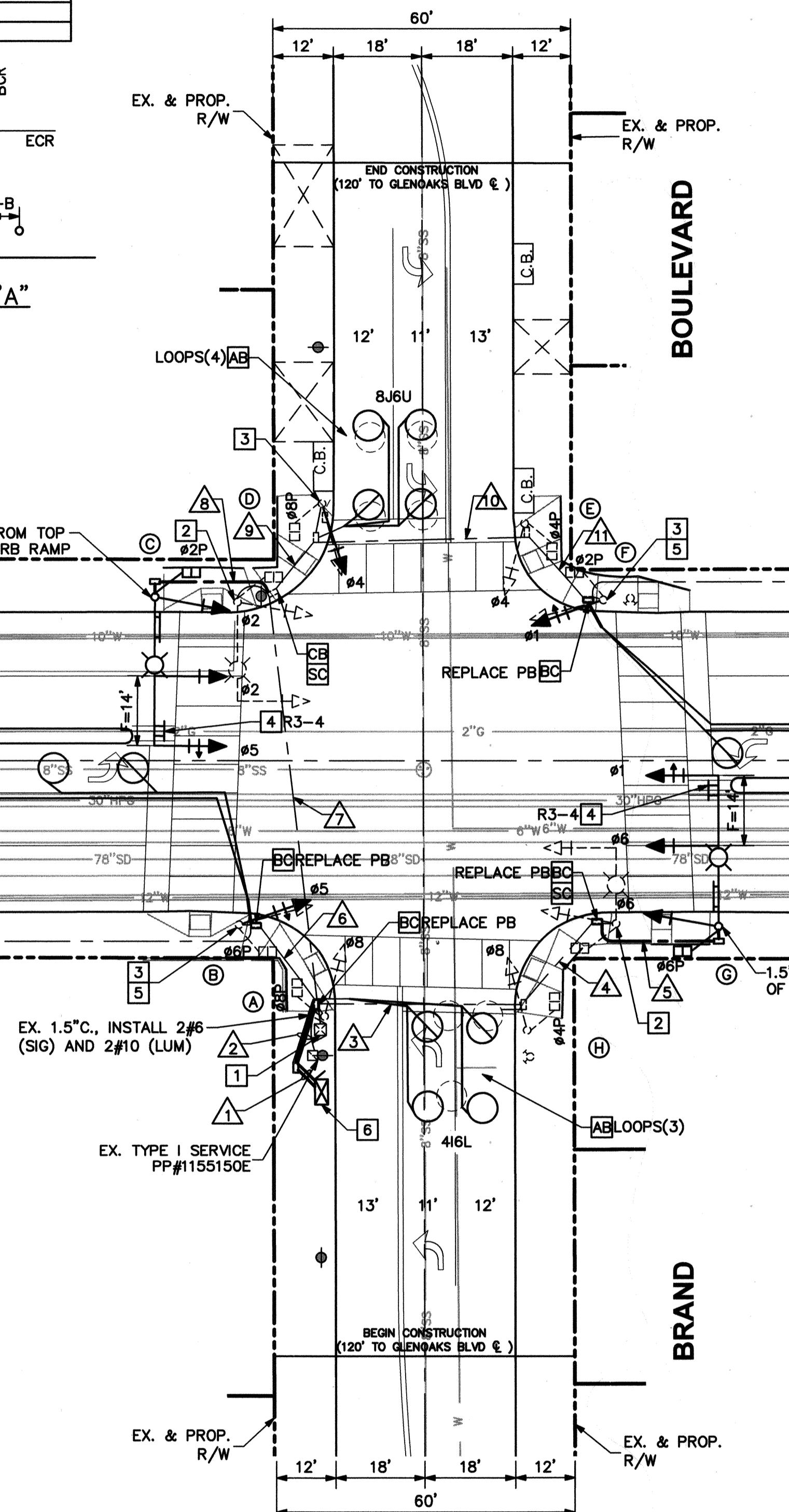


GENERAL NOTES

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- INDUCTIVE DETECTOR LOOPS SHALL BE 6" DIAMETER TYPE "E" AND CENTERED IN TRAVEL LANE. LIMIT LINE LOOPS SHALL BE TYPE "D" BICYCLE DETECTOR LOOPS PER CALTRANS STANDARDS. PLACE LIMIT LINE LOOPS AT THE CROSSWALK OR LIMIT LINE.
- ALL WIRING SHALL BE MARKED (TAGGED) WITHIN THE CONTROLLER CABINET FOR PHASE IDENTIFICATION. ALL SIGNAL CABLES IN PULL BOXES SHALL BE MARKED AS TO WHICH POLE NO. THEY TERMINATE.



GLENOKS



BOULEVARD

BRAND

CONDUCTOR SCHEDULE ▲

AWG	RUN										
	CIRCUIT	1	2	3	4	5	6	7	8	9	10
28CSC/SIGNAL	2	2	1	-	-	1	1	-	1	1	-
#10 LUMINAIRE	-	-	2	2	2	-	2	2	-	-	-
#6 SERVICE	2	2	-	-	-	-	-	-	-	-	-
#1 DETECTOR	1	1	-	-	1	-	-	-	-	-	-
TYPE #4 DETECTOR	1	1	-	-	-	1	-	1	1	1	-
B #5 DETECTOR	1	1	-	-	-	-	-	-	-	-	-
DLC #6 DETECTOR	1	1	-	-	-	1	-	1	1	1	-
#8 DETECTOR	1	1	-	-	-	1	-	1	-	-	-
TOTAL	6	6	-	-	2	3	-	3	2	2	-
CONDUIT SIZE	2-4"	2-4"	2"	2"	2"	2"	1.5"	2"	2"	2"	2"
% FILL	5	5	21	18	18	24	45	18	26	24	20
E=EXISTING, N=NEW	N	N	E	E	N	E	E	N	E	E	E

▲ ALL CONDUCTORS ARE NEW



Know what's below.
Call before you dig.

REVISIONS

PLANS PREPARED BY:
WILLDAN Engineering
13191 CROSSROADS WAY, NORTH
SUITE 100, BURBANK, CA 91446
(562) 908-6200
UNDER THE SUPERVISION OF:
VANESSA MUNOZ
RCE 67583 DATE 7-11-19

SUBMITTED BY:
PATSY OROZCO, CS ASSISTANT II
NO. 67583
REGISTERED PROFESSIONAL ENGINEER
CIVIL ENGINEER STATE OF CALIFORNIA
CITY OF SAN FERNANDO

DRAWN BY: KC
DESIGNED BY: KC/BB
CHECKED BY: VM

TRAFFIC SIGNAL MODIFICATION PLAN
GLENOKS BOULEVARD
AT BRAND BOULEVARD
JOB NO. 7595 PLAN NO. P-728

SHEET NO.
15
OF
20

POLE SCHEDULE ■

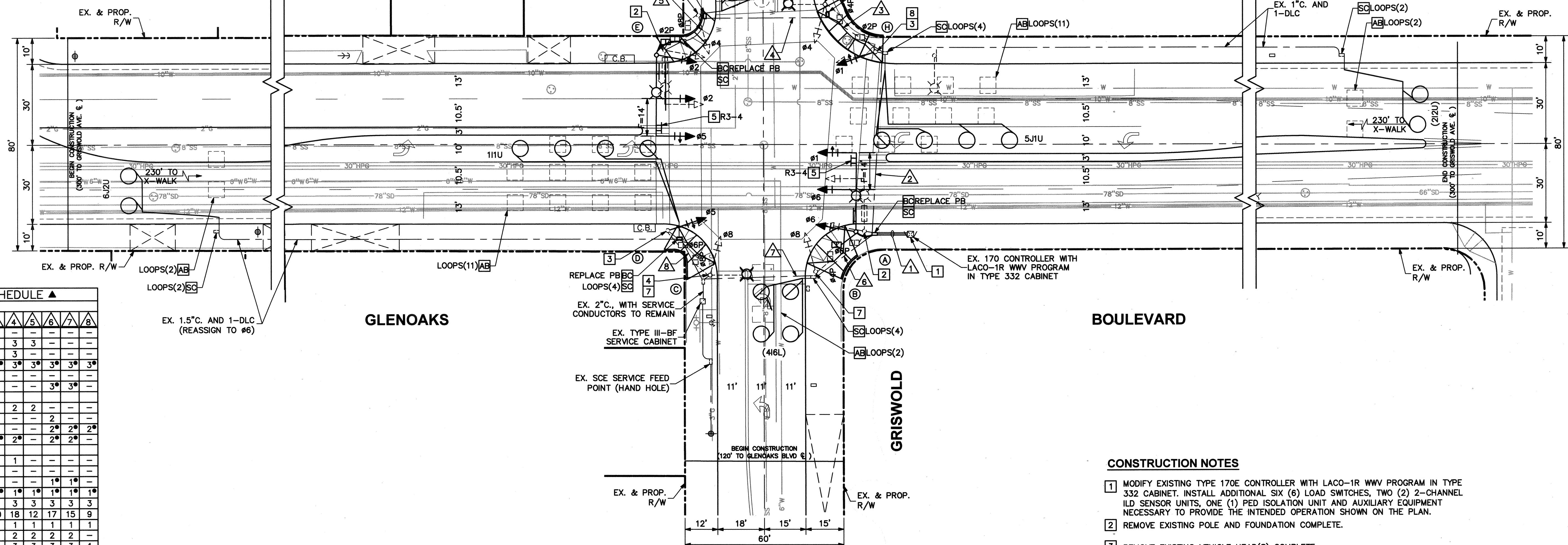
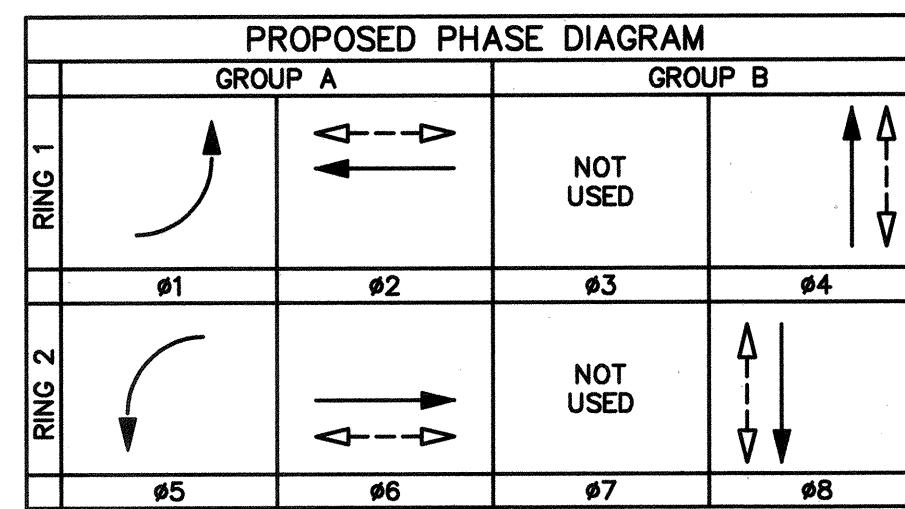
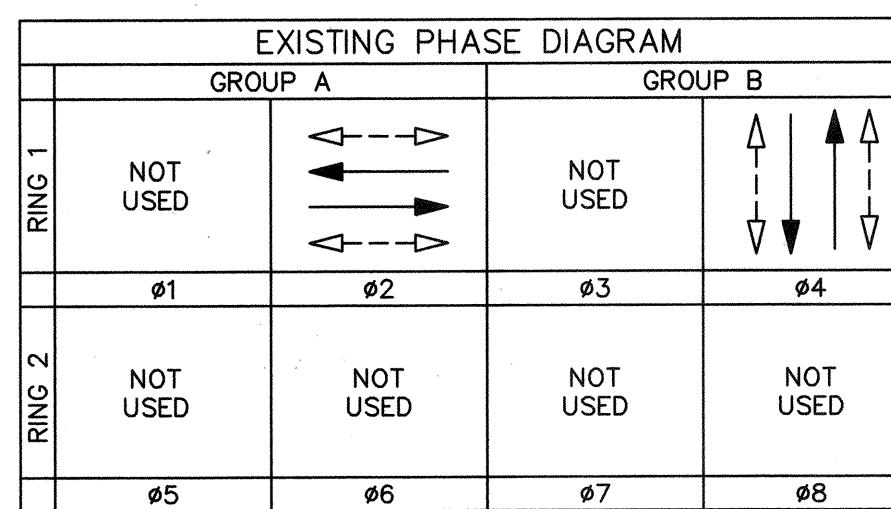
No.	STANDARD			LUMINAIRE	VEHICLE SIGNAL MOUNTING			PED SIGNAL	PPB	R.R.S.N.S.	POLE LOCATION (SEE DETAIL "A")			REMARKS
	TYPE	LUM. M.A.	SIG. M.A.		MAST ARM	POLE	MTG.	#	QUAD	ARROW	E	B	C	
(A)	19-4-100	12'	30'	200W(EQ)	MAS, MAS	SV-1-T	SP-1-T	4	N	LT	Griswold Ave	EXISTING	a. WWV ANTENNA(R), F=14'	
(B)	1-A(E)	-	-	-	-	TV-1-T(E)	SP-1-T(E)	6	E	RT	-	-	-	
(C)	15(E)	12'(E)	-	200W(EQ)	-	SV-1-T(E)	SP-1-T(E)	6	E	LT	-	-	EXISTING PEC(E); WIRELESS ANT.(E)	
(D)	1-A(E)	-	-	-	-	TV-1-T(E)	SP-1-T(E)	8	S(E)	RT(E)	-	-	EXISTING	
(E)	19-4-100	12'	30'	200W(EQ)	MAS, MAS	SV-1-T	SP-1-T	8	S	LT	Griswold Ave	EXISTING	a. F=14'	
(F)	1-A(E)	-	-	-	-	TV-1-T(E)	SP-1-T(E)	6	W	RT	-	-	EXISTING	
(G)	15(E)	12'(E)	-	200W(EQ)	-	SV-1-T(E)	SP-1-T(E)	6	W(E)	LT(E)	-	-	EXISTING	
(H)	1-A(E)	-	-	-	-	TV-1-T	SP-1-T(E)	4	N(E)	RT(E)	-	-	EXISTING	

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(E) = EXISTING

(R) = RELOCATE

a. INSTALL NEW POLE AT EXISTING POLE LOCATION. SEE GENERAL NOTE 15.



GENERAL NOTES

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- INDUCTIVE DETECTOR LOOPS SHALL BE 6' DIAMETER TYPE "E" AND CENTERED IN TRAVEL LANE. LIMIT LINE LOOPS SHALL BE TYPE "D" CYCLE DETECTOR LOOPS PER CALTRANS STANDARDS. PLACE LIMIT LINE LOOPS AT THE CROSSWALK OR LIMIT LINE.
- ALL WIRING SHALL BE MARKED (TAGGED) WITHIN THE CONTROLLER CABINET FOR PHASE IDENTIFICATION. ALL SIGNAL CABLES IN PULL BOXES SHALL BE MARKED AS TO WHICH POLE NO. THEY TERMINATE.

CONDUCTOR SCHEDULE ▲

AWG	RUN								
	CIRCUIT	1	2	3	4	5	6	7	8
#14	Ø1 VEHICLE	3°	3°	-	-	-	-	-	-
	Ø2 VEHICLE	3	3	3	3	3	3	3	3
	Ø4 VEHICLE	3	3	3	3	-	-	-	-
	Ø5 VEHICLE	6°	3°	3°	3°	3°	3°	3°	3°
	Ø6 VEHICLE	3°	-	-	-	-	-	-	-
	Ø8 VEHICLE	3°	-	-	-	-	3°	3°	-
	Ø2 PED	2	2	2	2	2	-	-	-
	Ø4 PED	2	2	2	-	-	2	-	-
	Ø6 PED	2°	-	-	-	2°	2°	2°	-
	Ø8 PED	4°	2°	2°	2°	2°	2°	2°	-
	Ø2 PPB	1	1	1	1	-	-	-	-
	Ø4 PPB	1	1	-	-	-	-	-	-
	Ø6 PPB	1°	-	-	-	1°	1°	-	-
	Ø8 PPB	2°	1°	1°	1°	1°	1°	1°	-
	SPARES	3	3	3	3	3	3	3	3
	TOTAL	39	24	20	18	12	17	15	9
#10	SIG. COMMON	1	1	1	1	1	1	1	1
	LUMINAIRE	-	2	2	2	2	2	2	-
	TOTAL	1	3	3	3	3	3	3	1
#6	SERVICE	2	-	-	-	2	2	-	-
	Ø1 DETECTOR	1°	-	-	-	1°	1°	1°	-
	Ø2 DETECTOR	1	1	-	-	-	-	-	-
	Ø4 DETECTOR	1	-	-	-	1	-	-	-
	Ø5 DETECTOR	1°	1°	-	-	-	-	-	-
	Ø6 DETECTOR	1	-	-	-	1	1	1	-
	Ø8 DETECTOR	1	1	1	1	-	-	-	-
	TOTAL	6	3	1	1	-	3	2	2
	CONDUIT SIZE	3-2"	2.5"	2"	2"	2"	2"	2"	2"
	% FILL	14	19	19	18	11	27	23	12
	E=EXISTING, N=NEW	E	E	E	E	E	E	E	E

▲ ALL CONDUCTORS ARE EXISTING UNLESS OTHERWISE NOTED:

* = NEW CONDUCTORS

- EX. Ø2 DLC. REASSIGN TO Ø6 IN CABINET
- EX. Ø4 DLC. REASSIGN TO Ø8 IN CABINET

Directory Path: L:\1\0719 - SF Glenoaks & HSP-7900-PS&E\901-Plans\PL-SIGNAL-05-GRISWOLD.Dwg, Date: 07/19/19

REVISIONS

REV.	DATE	BY	DESCRIPTION	APP'D	REV.	DATE	BY	DESCRIPTION	APP'D

REVISIONS

PLANS PREPARED BY:
WILLDAN
Engineering
13101 CROSSROADS PARKWAY NORTH
SUITE 405, INDUSTRY, CA 91746
(562) 908-6200
UNDER THE SUPERVISION OF:
[Signature]

REGISTERED PROFESSIONAL ENGINEER
PATSY ORLOK, CE ASSISTANT II
NO. 67583
CIVIL ENGINEER
STATE OF CALIFORNIA

SUBMITTED BY:
[Signature]
7-11-19
VANESSA MUKOZ RCE 67583 DATE
DRAWN BY: KC DESIGNED BY: KC/BB CHECKED BY: VM

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VANESSA MUKOZ RCE 67583 DATE
DRAWN BY: KC DESIGNED BY: KC/BB CHECKED BY: VM

TRAFFIC SIGNAL MODIFICATION PLAN
GLEN OAKS BOULEVARD
AT GRISWOLD AVENUE

Sheet No.
16
OF
20



Know what's below.
Call before you dig.

SCALE : 1" = 20'
Directory Path: L:\1\0719 - SF Glenoaks & HSP-7900-PS&E\901-Plans\PL-SIGNAL-05-GRISWOLD.Dwg, Date: 07/19/19

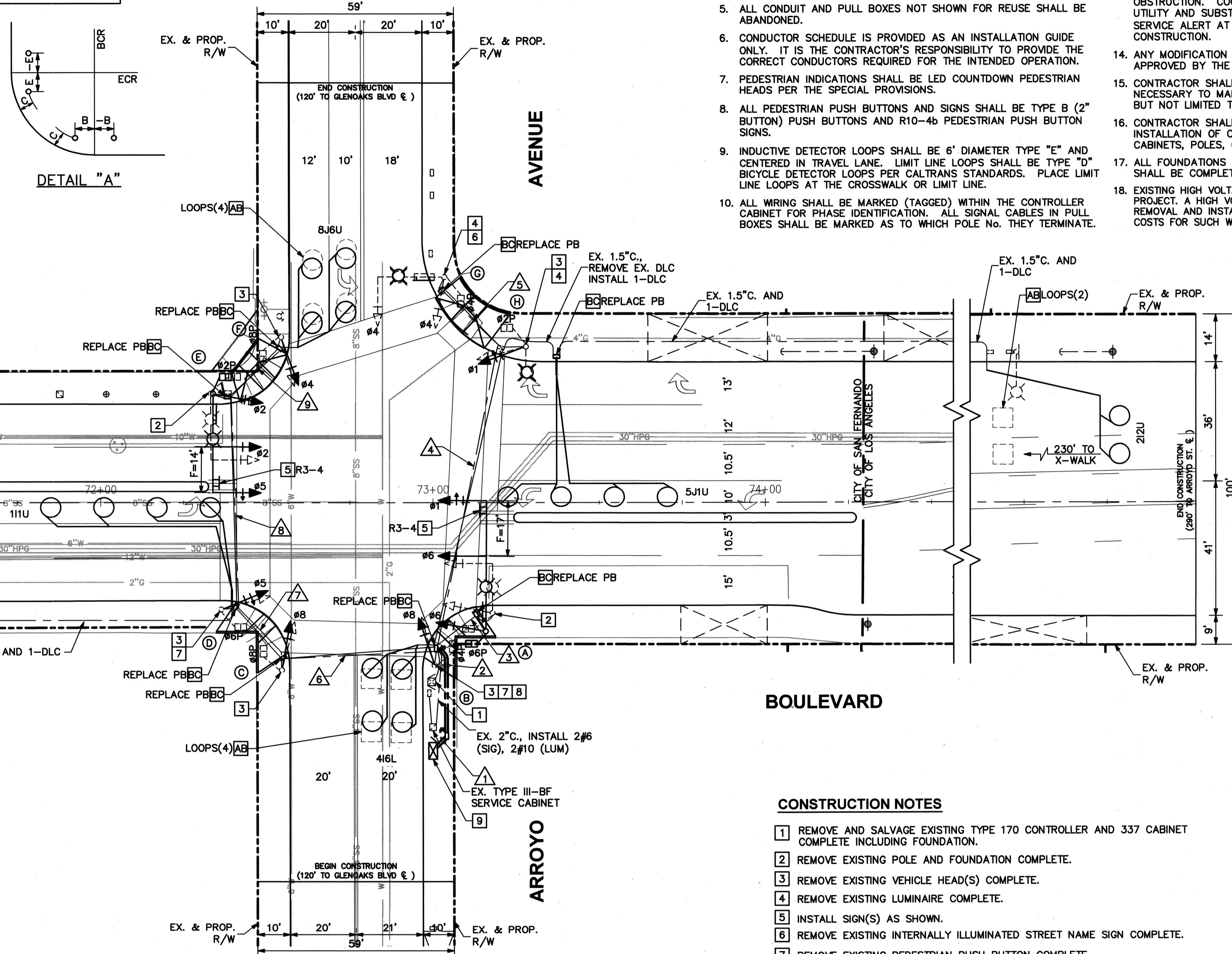
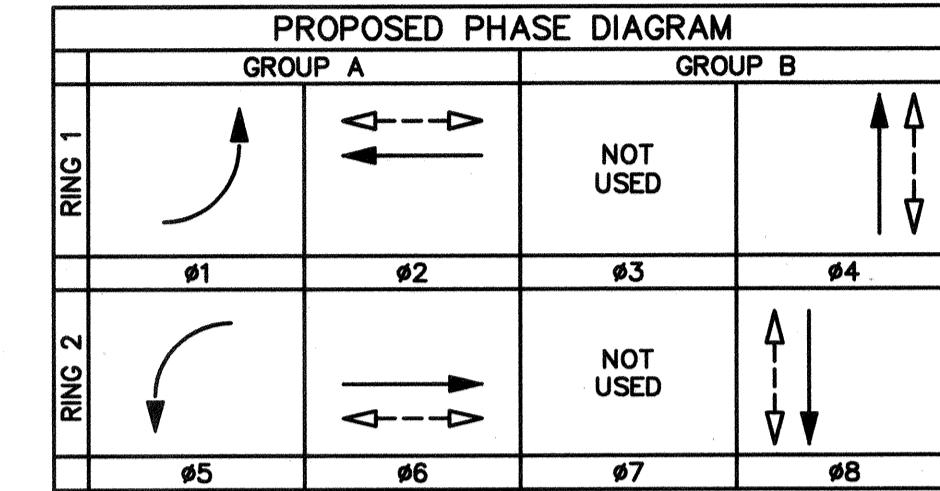
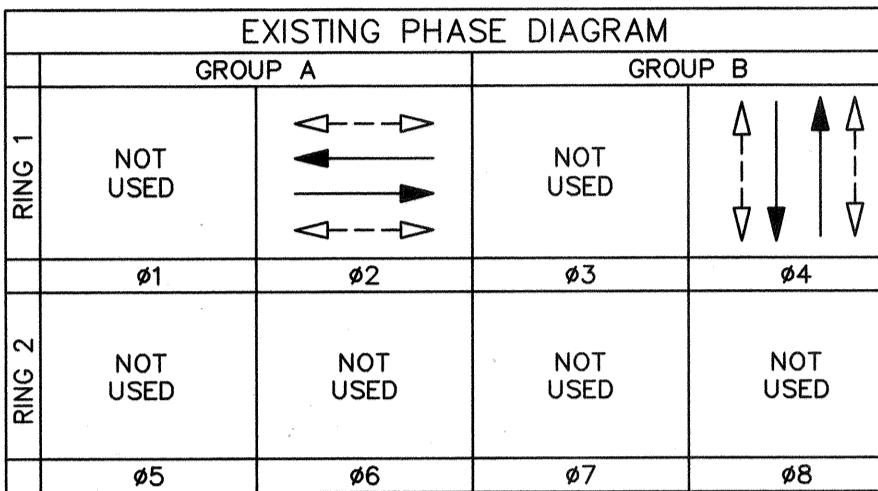
No.	STANDARD			LUMINAIRE LED	VEHICLE SIGNAL MOUNTING		PED. SIGNAL	PPB	R.R.S.N.S.	POLE LOCATION (SEE DETAIL "A")			REMARKS	
	Type	Lum. M.A.	Sig. M.A.		Mast Arm	Pole	MTG.	#	Quad	Arrow	E	B	C	
(A) 26-4-100	12'	40'	250W(EQ)	MAS, MAS	SV-1-T	SP-1-T	4	N	LT	ARROYO AVE CITY OF SAN FERNANDO	1'	-	7'	PEC, F=17'
(B) 1-A(E)	-	-	-	-	TV-1-T	SP-1-T(E)	6	E	RT	-	EXISTING	WWV ANTENNA(E)		
(C) 1-A(E)	-	-	-	-	TV-1-T	SP-1-T(E)	6	E(E)	LT(E)	-	EXISTING			
(D) 1-A(E)	-	-	-	-	TV-1-T	SP-1-T(E)	8	S	RT	-	EXISTING			
(E) 24-4-100	12'	35'	250W(EQ)	MAS, MAS	SV-1-T	SP-1-T	8	S	LT	ARROYO AVE CITY OF SAN FERNANDO	EXISTING	a.	F=14'	
(F) 1-A(E)	-	-	-	-	TV-1-T	SP-1-T(E)	6	W(E)	RT(E)	Glenoaks CITY OF SAN FERNANDO	EXISTING			
(G) 17-2-70(E)	12'(E)	20'(E)	250W(EQ)	MAS(E)	SV-1-T(E)	SP-1-T(E)	6	W(E)	LT(E)	-	EXISTING			
(H) 15(E)	6'(E)	-	250W(EQ)	-	SV-1-T	SP-1-T(E)	4	N(E)	RT(E)	-	EXISTING			

■ ALL EQUIPMENT IS NEW UNLESS OTHERWISE NOTED.

(E) = EXISTING

(R) = RELOCATE

a. INSTALL NEW POLE AT EXISTING POLE LOCATION. SEE GENERAL NOTE 15.



GENERAL NOTES

- TRAFFIC SIGNAL AND HIGHWAY LIGHTING EQUIPMENT, AND INSTALLATION THEREOF SHALL CONFORM TO CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD), DATED 2014, CALTRANS REVISED STANDARD PLANS AND SPECIFICATIONS, DATED 2015, THIS PLAN, AND THE SPECIAL PROVISIONS.
- ALL MATERIALS AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
- VEHICLE INDICATIONS SHALL BE 12" LIGHT EMITTING DIODE (LED) RED, LED YELLOW, AND LED GREEN PER THE SPECIAL PROVISIONS.
- CONDUIT SHALL BE MIN. 2" SCHEDULE 80 PVC AND PULL BOXES SHALL BE #5, UNLESS SHOWN OTHERWISE.
- ALL CONDUIT AND PULL BOXES NOT SHOWN FOR REUSE SHALL BE ABANDONED.
- CONDUCTOR SCHEDULE IS PROVIDED AS AN INSTALLATION GUIDE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CORRECT CONDUCTORS REQUIRED FOR THE INTENDED OPERATION.
- PEDESTRIAN INDICATIONS SHALL BE LED COUNTDOWN PEDESTRIAN HEADS PER THE SPECIAL PROVISIONS.
- ALL PEDESTRIAN PUSH BUTTONS AND SIGNS SHALL BE TYPE B (2" BUTTON) PUSH BUTTONS AND R10-4B PEDESTRIAN PUSH BUTTON SIGNS.
- INDUCTIVE DETECTOR LOOPS SHALL BE 6' DIAMETER TYPE "E" AND CENTERED IN TRAVEL LANE. LIMIT LINE LOOPS SHALL BE TYPE "D" BICYCLE DETECTOR LOOPS PER CALTRANS STANDARDS. PLACE LIMIT LINE LOOPS AT THE CROSSWALK OR LIMIT LINE.
- ALL WIRING SHALL BE MARKED (TAGGED) WITHIN THE CONTROLLER CABINET FOR PHASE IDENTIFICATION. ALL SIGNAL CABLES IN PULL BOXES SHALL BE MARKED AS TO WHICH POLE NO. THEY TERMINATE.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND FACILITIES, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR THE TOTAL EXPENSE OF REPAIR OR REPLACEMENT OF ANY UNDERGROUND FACILITIES DAMAGED DURING CONSTRUCTION.
- LOCATION OF UNDERGROUND FACILITIES ARE APPROXIMATE. THE CONTRACTOR SHALL POTHOLE TO DETERMINE THE EXACT LOCATION AND VERIFY ALL CONDITIONS ON THE JOBSITE PRIOR TO ORDERING POLES.
- THE CONTRACTOR SHALL EXERCISE EXTREME CARE TO AVOID DAMAGING EXISTING UTILITIES BY LOCATING ALL UTILITIES PRIOR TO CONSTRUCTION. HAND DIG FOUNDATIONS UNTIL CLEAR OF OBSTRUCTION. COORDINATE POLE INSTALLATION WITH OVERHEAD UTILITY AND SUBSTRUCTURE OWNERS. CONTACT UNDERGROUND SERVICE ALERT AT (800) 422-4133, 48 HOURS PRIOR TO CONSTRUCTION.
- ANY MODIFICATION OF OR CHANGES TO APPROVED PLANS MUST BE APPROVED BY THE CITY ENGINEER.
- CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY EQUIPMENT NECESSARY TO MAINTAIN CURRENT SIGNAL OPERATION, INCLUDING BUT NOT LIMITED TO CONTROLLER ASSEMBLIES AND SIGNAL POLES.
- CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT DURING INSTALLATION OF CONCRETE FOUNDATIONS ON ANY EXISTING NEARBY CABINETS, POLES, OR STANDARDS.
- ALL FOUNDATIONS FROM WHICH POLES OR POSTS ARE REMOVED SHALL BE COMPLETELY REMOVED.
- EXISTING HIGH VOLTAGE OVERHEAD UTILITY LINES EXIST ON THIS PROJECT. A HIGH VOLTAGE CONTRACTOR MAY BE REQUIRED FOR THE REMOVAL AND INSTALLATION OF TRAFFIC SIGNAL POLES. ANY ADDITIONAL COSTS FOR SUCH WORK SHALL BE INCURRED BY THE CONTRACTOR.



Know what's below.
Call before you dig.

REVISIONS

REV.	DATE	BY	DESCRIPTION	APP'D	REV.	DATE	BY	DESCRIPTION	APP'D

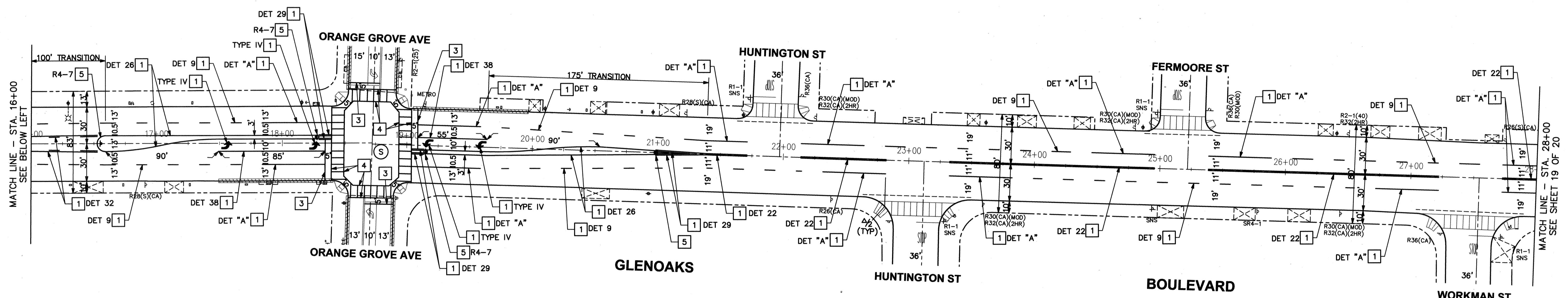
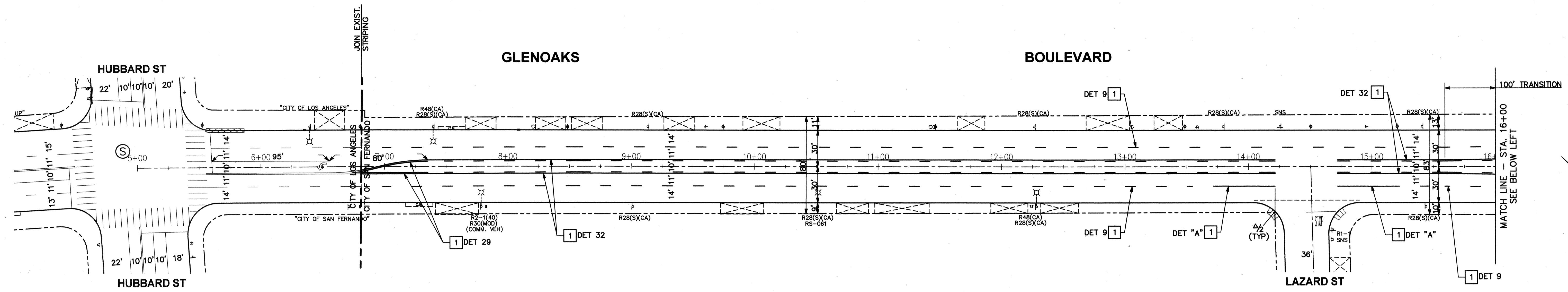
PLANS PREPARED BY:
WILLDAN
Engineering
13191 CROSSROADS PARKWAY NORTH
SUITE 400, INDUSTRY, CA 91746
(562) 908-6200
UNDER THE SUPERVISION OF:

VANESSA MUÑOZ
RCE 67583 DATE 7-11-19
DRAWN BY: KC DESIGNED BY: KC/BB CHECKED BY: VM

SUBMITTED BY:

PATSY OROZCO, CE ASSISTANT II
NO. 67583
REGISTERED PROFESSIONAL ENGINEER
CIVIL ENGINEER STATE OF CALIFORNIA
CITY OF SAN FERNANDO
HISTORIC & VISIONARY

7-11-19
CITY OF SAN FERNANDO
HISTORIC & VISIONARY
PUBLIC WORKS DEPARTMENT
JOB NO. 7595 PLAN NO. P-728

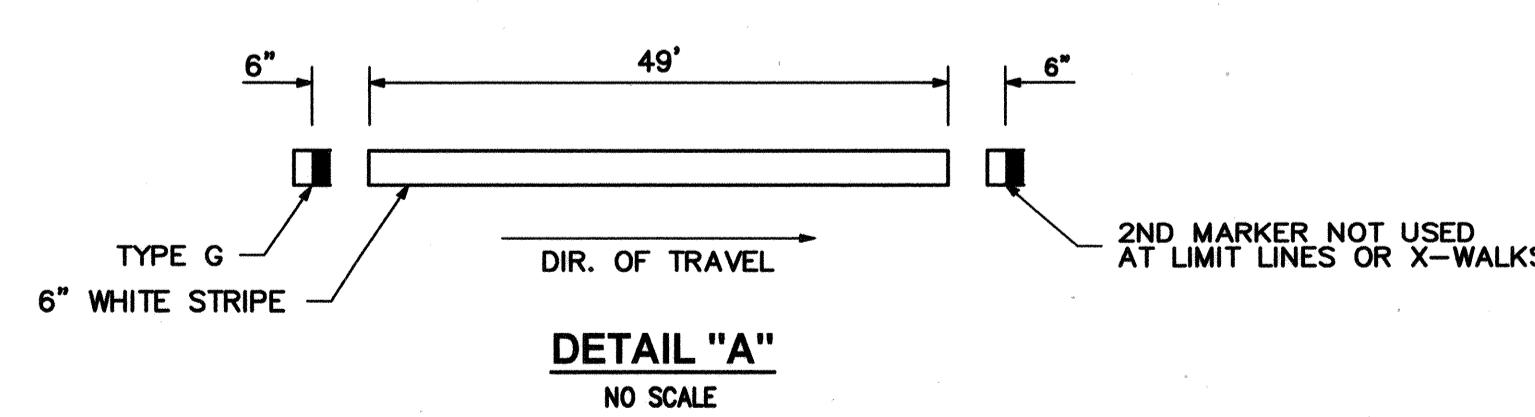


CONSTRUCTION NOTES

- GENERAL NOTES**
- TRAFFIC SIGNING AND STRIPING SHALL CONFORM TO THE CALTRANS STANDARD PLANS AND SPECIFICATIONS, DATED 2015, THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD), DATED 2014, THESE PLANS AND THE SPECIAL PROVISIONS.
 - ALL STRIPING DETAILS, PAVEMENT MARKINGS, AND CROSSWALKS SHALL BE THERMOPLASTIC. CURB MARKINGS SHALL BE PAINT, 2 COATS.
 - CONTRACTOR SHALL REPAIN ALL EXISTING CURB ADDRESS NUMBERS WITHIN THE PROJECT LIMITS.
 - INSTALL TWO-WAY BLUE REFLECTIVE MARKERS AT EVERY FIRE HYDRANT.
 - ALL EXISTING CURB MARKINGS WITHIN THE PROJECT LIMITS SHALL BE REPAINTED.
 - ALL CURB ADDRESS MARKINGS WITHIN THE PROJECT LIMITS SHALL BE REPAINTED.
 - CONFLICTING STRIPING AND PAVEMENT LEGENDS SHALL BE REMOVED. REMOVAL OF CONFLICTING STRIPING AND PAVEMENT LEGENDS SHALL BE BY WET SANDBLASTING (PAINT) OR BY GRINDING (THERMOPLASTIC). STRIPING REMOVALS SHALL INCLUDE REMOVING RAISED PAVEMENT MARKERS.
- 1** INSTALL STRIPING DETAIL OR PAVEMENT MARKING AS NOTED.
2 PAINT 12" WHITE CROSSWALK. CROSSWALK SHALL BE 11' IN WIDTH (INSIDE TO INSIDE) UNLESS OTHERWISE INDICATED.
3 PAINT 12" WHITE LIMIT LINE.
4 INSTALL 12" YELLOW LADDER STYLE CROSSWALK WITH 2' WIDE STRIPS ALONG STRIPING. CROSSWALK SHALL BE 10' IN WIDTH (INSIDE TO INSIDE) UNLESS OTHERWISE INDICATED. CENTER THE MARKINGS ON DOUBLE-YELLOW CENTER LINE, LANE LINES AND CENTER OF LANE. MARKINGS SHOULD BE INSTALLED SUCH THAT WHEELS STRADDLE THE CROSSWALK MARKINGS.
5 INSTALL MEDIAN NOSE TREATMENT PER DETAIL "B".
6 PAINT RED CURB, LENGTH AS NOTED.
7 INSTALL SIGN(S) AND/OR POST AS NOTED.
8 REMOVE SIGN(S) AND/OR POST AS NOTED.
9 REMOVE CONFLICTING STRIPING BY WET SANDBLASTING FOR PAINT AND/OR GRINDING FOR THERMOPLASTIC.
10 RELOCATE EXISTING FLASHING BEACON TYPE 1 STANDARD AND EQUIPMENT COMPLETE AWAY FROM PROPOSED CURB RAMP. REMOVE FOUNDATION.

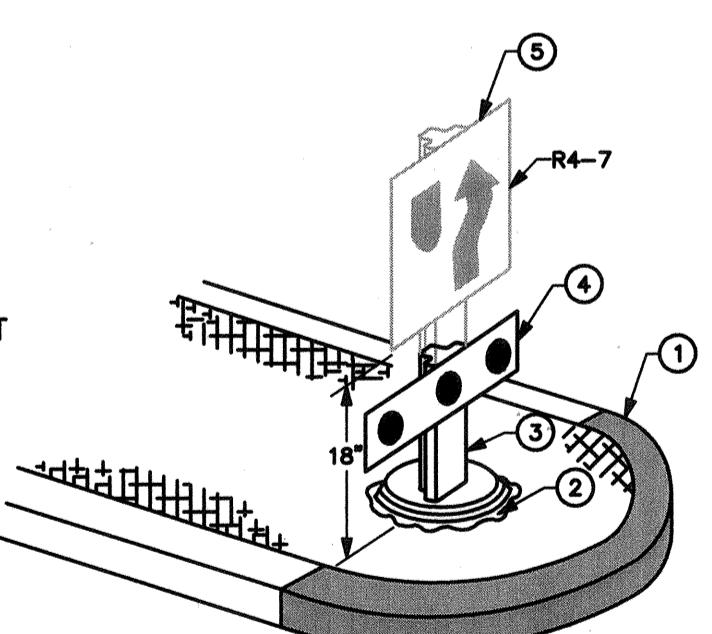
LEGEND

- (S) SIGNALIZED INTERSECTION
- LIMITS OF CONSTRUCTION
- ████████ PROPOSED RED CURB
- ██████ RE-PAINT EXISTING RED CURB



NOTES:

- (1) INSTALL HIGH REFLECTIVITY YELLOW PAINT ON CURB FACE. EXTEND PAINT ON TOP OF CURB AND CURB FACE TO BC, EC, OR END OF FLARE.
- (2) EPOXY
- (3) SERIES 400 REPO POST. (18")
- (4) OM2-1H MARKER.
- (5) WHEN R4-7 SIGN IS CALLED FOR ON PLANS, USE 36" POST.



GRAPHIC SCALE
40 0 20 40 80
(IN FEET)
1 inch = 40 ft.

PLANS PREPARED BY:
WILLDAN Engineering
1311 CROSSROADS PARKWAY NORTH
SUITE 400, BURBANK, CA 91746
(866) 908-6200
UNDER THE SUPERVISION OF:
[Signature]
VANESSA MUNOZ RCE 67583 DATE 7-11-19
DRAWN BY: KC DESIGNED BY: KC/BB CHECKED BY: VM

SUBMITTED BY:
[Signature]
PATSY OROZCO, DE ASSISTANT II DATE 7-11-19
CITY OF SAN FERNANDO
HISTORIC & VISIONARY
CIVIL ENGINEER STATE OF CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER NO. 67583
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CIVIL ENGINEER STATE OF CALIFORNIA

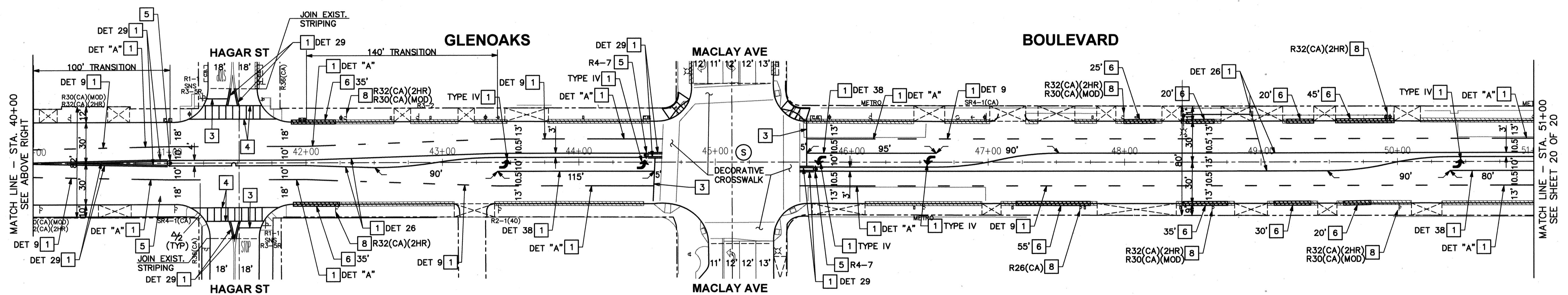
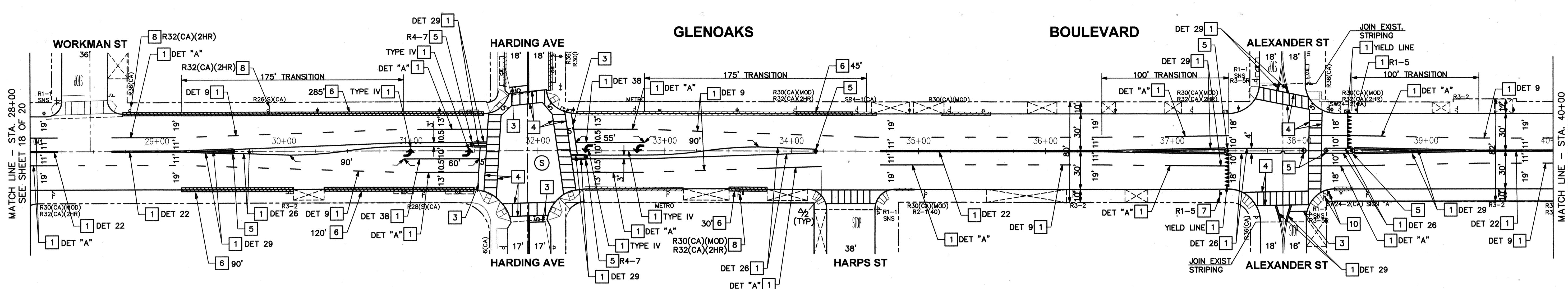
**SIGNING AND STRIPING PLAN
GLEN OAKS BOULEVARD
STA 5+00 TO STA 28+00**

JOB NO. 7595

PLAN NO. P-728

SHEET NO.
18
OF
20





CONSTRUCTION NOTES

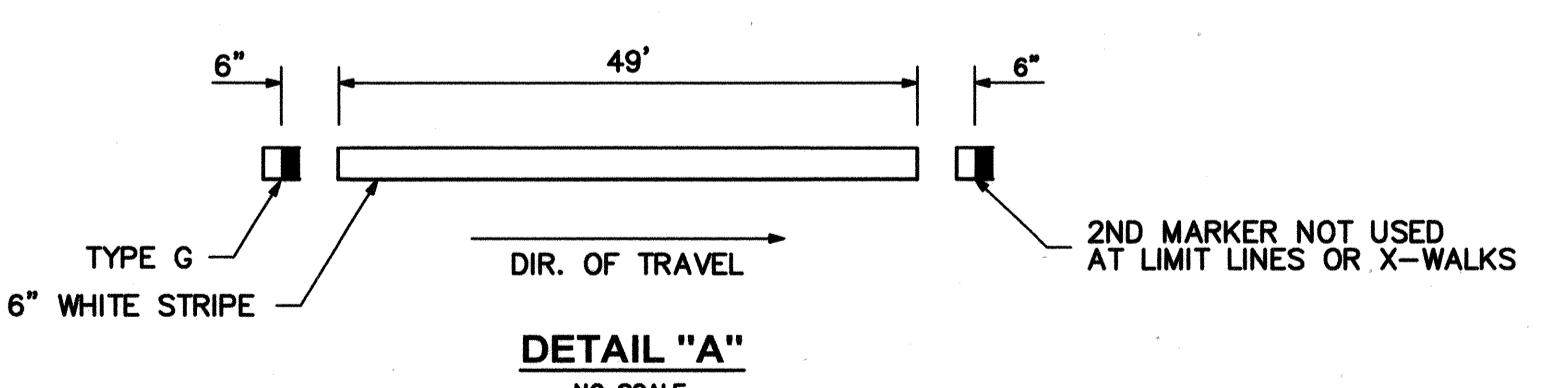
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3. CONTRACTOR SHALL REPAIN ALL EXISTING CURB ADDRESS NUMBERS WITHIN THE PROJECT LIMITS.
4. INSTALL TWO-WAY BLUE REFLECTIVE MARKERS AT EVERY FIRE HYDRANT.
5. ALL EXISTING CURB MARKINGS WITHIN THE PROJECT LIMITS SHALL BE REPAINTED.
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8. REMOVE SIGN(S) AND/OR POST AS NOTED.
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10. RELOCATE EXISTING FLASHING BEACON TYPE 1 STANDARD AND EQUIPMENT COMPLETE AWAY FROM PROPOSED CURB RAMP. REMOVE FOUNDATION.

GENERAL NOTES

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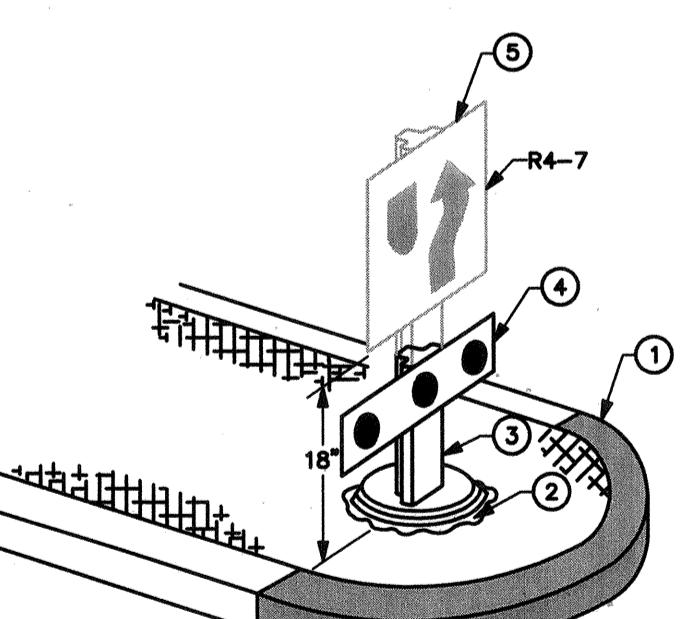
LEGEND

- (S) SIGNALIZED INTERSECTION
- - - LIMITS OF CONSTRUCTION
- ████████ PROPOSED RED CURB
- ██████ RE-PAINT EXISTING RED CURB



NOTES:

1. INSTALL HIGH REFLECTIVITY YELLOW PAINT ON CURB FACE. EXTEND PAINT ON TOP OF CURB AND CURB FACE TO BC, EC, OR END OF FLARE.
2. EPOXY
3. SERIES 400 REPO POST. (18")
4. OM2-1H MARKER.
5. WHEN R4-7 SIGN IS CALLED FOR ON PLANS, USE 36" POST.



GRAPHIC SCALE
40 0 20 40 80
(IN FEET)
1 inch = 40 ft.



REVISIONS

REV.	DATE	BY	DESCRIPTION	APP'D	REV.	DATE	BY	DESCRIPTION	APP'D

PLANS PREPARED BY:
WILLDAN Engineering
13101 CROSSROADS PARKWAY NORTH
SUITE 400, INDUSTRY, CA 91746
(562) 908-6200
UNDER THE SUPERVISION OF:

VANESSA MUÑOZ
DRAWN BY: KC
DESIGNED BY: KC/BB
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SUBMITTED BY:
PATSY OROZCO, CS ASSISTANT II
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VANESSA MUÑOZ
RCE 67583
DATE
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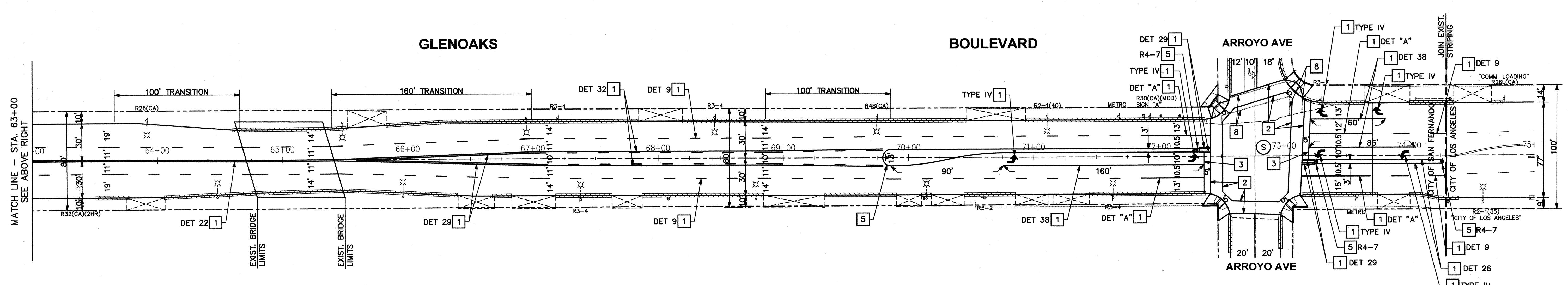
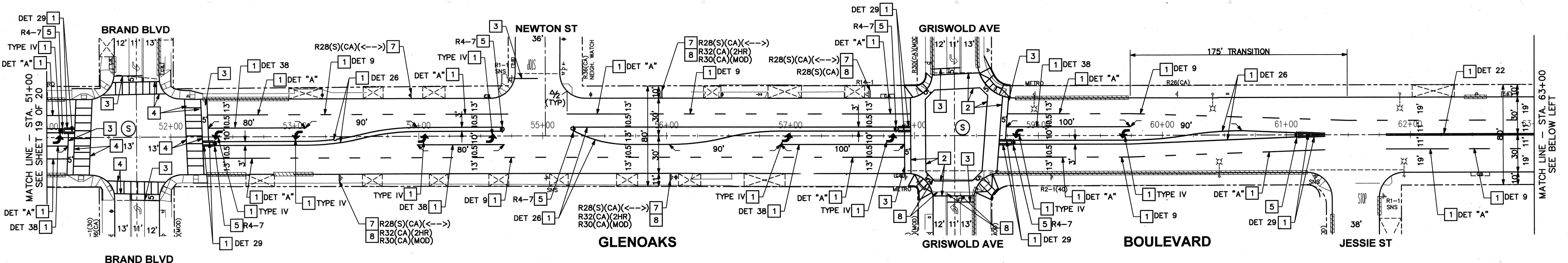
CITY OF
SAN FERNANDO
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PUBLIC WORKS DEPARTMENT

SIGNING AND STRIPING PLAN
GLEN OAKS BOULEVARD
STA 28+00 TO STA 51+00
JOB NO. 7595
PLAN NO. P-728

SHEET NO.
19
OF
20

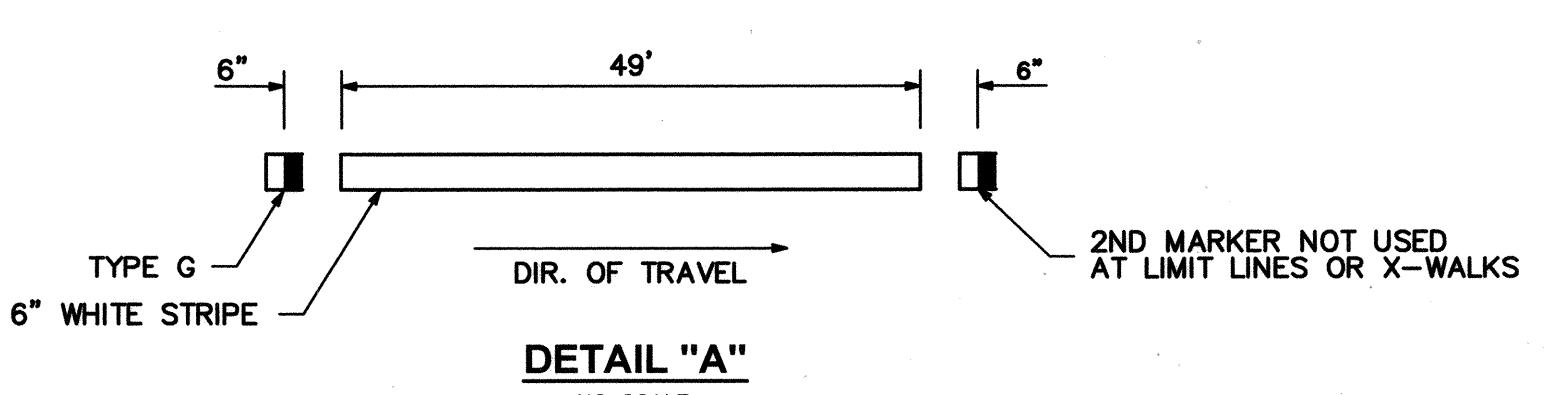


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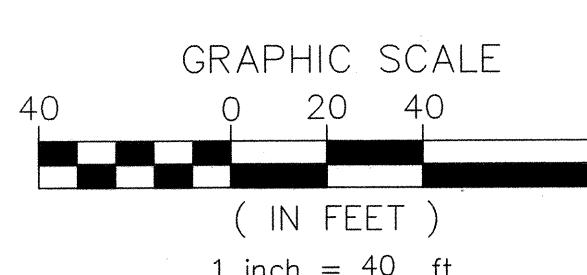
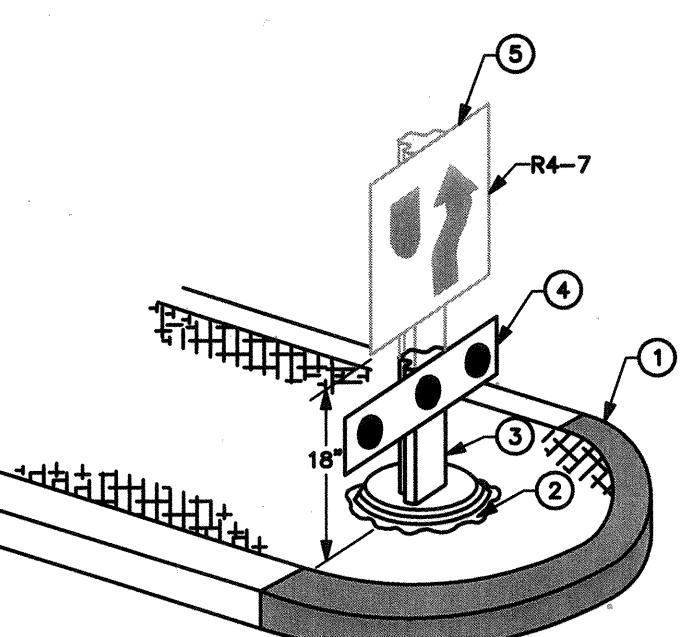
LEGEND

- (S) SIGNALIZED INTERSECTION
- - - LIMITS OF CONSTRUCTION
- ████████ PROPOSED RED CURB
- ███████ RE-PAINT EXISTING RED CURB



NOTES:

1. INSTALL HIGH REFLECTIVITY YELLOW PAINT ON CURB FACE. EXTEND PAINT ON TOP OF CURB AND CURB FACE TO BC, EC, OR END OF FLARE.
2. EPOXY
3. SERIES 400 REPO POST. (18")
4. OM2-1H MARKER.
5. WHEN R4-7 SIGN IS CALLED FOR ON PLANS, USE 36" POST.



GENERAL NOTES

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8. REMOVE SIGN(S) AND/OR POST AS NOTED.
9. REMOVE CONFLICTING STRIPING BY WET SANDBLASTING FOR PAINT AND/OR GRINDING FOR THERMOPLASTIC.
10. RELOCATE EXISTING FLASHING BEACON TYPE 1 STANDARD AND EQUIPMENT COMPLETE AWAY FROM PROPOSED CURB RAMP. REMOVE FOUNDATION.

REVISIONS

PLANS PREPARED BY:
WILLDAN
 Engineering
 13191 CROSSROADS PARKWAY NORTH
 SUITE 405, INDUSTRY, CA 91746
 (562) 906-6200
 UNDER THE SUPERVISION OF:
 VANESSA MUÑOZ
 RCE 67583
 DRAWN BY: KC
 DESIGNED BY: KC/BB
 CHECKED BY: VM
 7-11-19

SUBMITTED BY:
 PATSY OROZCO, CE ASSISTANT II
 DATE
 CITY OF
SAN FERNANDO
 HISTORIC & VISIONARY
 PUBLIC WORKS DEPARTMENT

SIGNING AND STRIPING PLAN
GLEN OAKS BOULEVARD
 STA 51+00 TO STA 75+00

JOB NO. 7595 PLAN NO. P-728

SHEET NO.
 20
 OF
 20

