

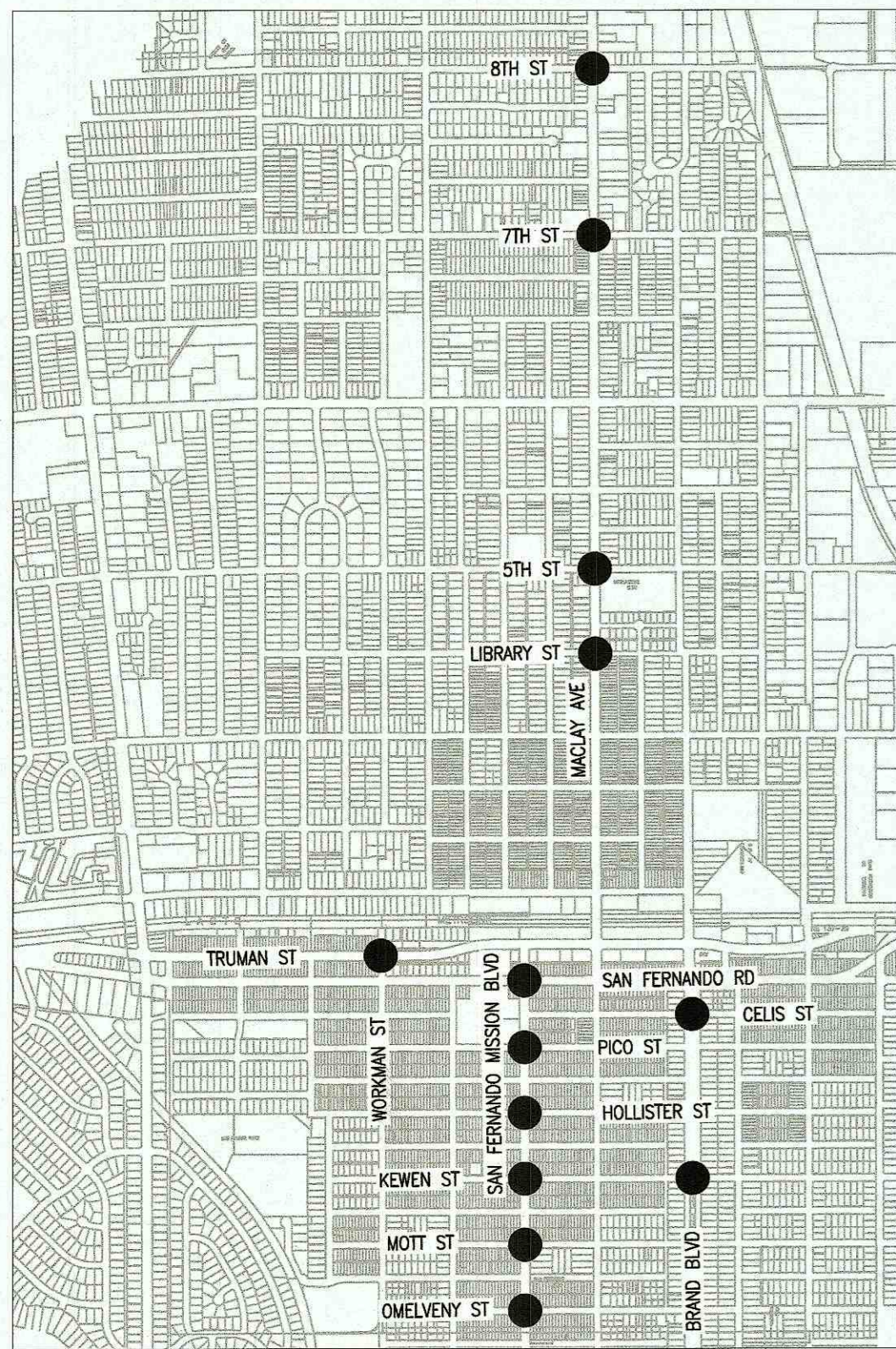
City of San Fernando

PUBLIC WORKS DEPARTMENT

CITYWIDE TRAFFIC SIGNAL SYNCHRONIZATION PROJECT

JOB NO. 7603

PLAN NO. P-745



● = PROJECT LOCATIONS

LOCATION MAP

NTS

SHEET INDEX

SHEET NO.	DESCRIPTION
SHEET NO. 1	TITLE SHEET
SHEET NO. 2	TRAFFIC SIGNAL MODIFICATION PLAN TRUMAN STREET AT WORKMAN STREET SAN FERNANDO MISSION BOULEVARD AT SAN FERNANDO ROAD SAN FERNANDO MISSION BOULEVARD AT PICO STREET
SHEET NO. 3	TRAFFIC SIGNAL MODIFICATION PLAN SAN FERNANDO MISSION BOULEVARD AT HOLLISTER STREET SAN FERNANDO MISSION BOULEVARD AT KEWEN STREET SAN FERNANDO MISSION BOULEVARD AT MOTT STREET SAN FERNANDO MISSION BOULEVARD AT O'MELVENY STREET
SHEET NO. 4	TRAFFIC SIGNAL MODIFICATION PLAN MACLAY AVENUE AT LIBRARY STREET MACLAY AVENUE AT 5TH STREET MACLAY AVENUE AT 7TH STREET MACLAY AVENUE AT 8TH STREET
SHEET NO. 5	TRAFFIC SIGNAL MODIFICATION PLAN BRAND BOULEVARD AT CELIS STREET BRAND BOULEVARD AT KEWEN STREET

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.

LANDFILLS

BRADLEY LANDFILL & RECYCLING CENTER/
WASTE MANAGEMENT, INC.
9081 TUJUNGA AVE.
SUN VALLEY, CA 91352
(818) 767-6180
(818) 767-5867

STRATHERN INERT LANDFILL
8230 TUJUNGA AVE.
SUN VALLEY, CA 91352

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



NOTICE TO CONTRACTOR:

IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CALL THE USA UNDERGROUND 811. ALERT FOR LOCATIONS OF EXISTING UNDERGROUND UTILITIES NO LESS THAN TWO DAYS NOR MORE THAN SEVEN DAYS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR ANY DAMAGE DONE TO EXISTING UTILITIES OR STREET IMPROVEMENTS INCLUDING CONCRETE/LANDSCAPING DURING CONSTRUCTION.

ABBREVIATIONS

AB	AGGREGATE BASE
AC	ASPHALT CONCRETE
AV	AIR VAC
BC	BEGIN CURVE
BCR	BEGIN CURB 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/CL	CENTERLINE
CF	CURB FACE
CR	COLD IN-PLACE RECYCLE
CLF	CHAIN LINK FENCE
CLR	CLEAR
CONC	CONCRETE
CONST.	CONSTRUCTION
CPC	CALIFORNIA PLUMBING CODE
DI	DUCTILE IRON
DWY	DRIVEWAY
DWG	DRAWING
E	EAST
EC	END CURVE
ECR	END CURB RETURN
EG	EDGE OF GUTTER
ELEV	ELEVATION
EOP/EP	EDGE OF PAVEMENT
EVC	END VERTICAL CURVE
EX/EXIST.	EXISTING
FOR	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
IWVWD	INDIAN WELLS VALLEY WATER DISTRICT
L	LENGTH
LF	LINEAR FEET
LIP	LIP OF GUTTER
LT	LEFT
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
N	NORTH
N.I.C.	NOT IN CONTRACT
N'LY	NORTHERLY
NO	NUMBER
NTS	NOT TO SCALE
O.C.	ON CENTER
OG	ORIGINAL GROUND
OH	OVERHEAD
PI	POINT OF INTERSECTION
PCC	PORTLAND CEMENT CONCRETE
P&GE	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
PVMT.	PAVEMENT
R	RATE, RADIUS
R.C.	RELATIVE COMPACTION
RCF	REINFORCED CONCRETE PIPE
REQ'D	REQUIRED
RSP	ROCK SLOPE PROTECTION
RT	RIGHT
R/W	RIGHT-OF-WAY
S	SLOPE
S'LY	SOUTHERLY
SCE	SOUTHERN CALIFORNIA EDISON
SCH	SCHEDULE
SDMH	STORM DRAIN MANHOLE
SDWK	SIDEWALK
ST	STREET
STA	STATION
STD	STANDARD
ST.GR.	STRAIGHT GRADE
TC	TOP OF CURB
TELE	TELEPHONE
TG	TOP OF GRATE
TOP	TOP OF PLATFORM
TR	TOP OF RAIL
TW	TOP OF WALL
TX	TOP OF X
TYP	TYPICAL
V	VARIES
VAR	VARIABLE
VCP	VITRIFIED CLAY PIPE
W	WIDTH, WEST
WM	WATER METER

PUBLIC UTILITIES CONTACTS

WATER:
CITY OF SAN FERNANDO
120 MACNEIL STREET
SAN FERNANDO, CA 91340
VICTOR MEZA
818 898 1293

WASTEWATER:
CITY OF SAN FERNANDO
120 MACNEIL STREET
SAN FERNANDO, CA 91340
RODRIGO MORA
818 898 1293

ELECTRICITY:
SOUTHERN CALIFORNIA EDISON COMPANY
EMERGENCY CALLS
800 611 1911

GAS:
SOUTHERN CALIFORNIA GAS COMPANY
EMERGENCY CALLS
818 701 3342

TELEPHONE:
VERIZON/GTE
EMERGENCY CALLS
818 365 3128

CABLE:
TIME WARNER
EMERGENCY CALLS
818 700 6100

POLICE:
CITY OF SAN FERNANDO POLICE DEPT.
NON-EMERGENCY NUMBER
818 898 1267, EXT. 0

FIRE:
CITY OF LOS ANGELES FIRE DEPT. STATION 91
14430 POLK STREET
LOS ANGELES, CA 91342
NON-EMERGENCY NUMBER
818 756 8691

UTILITY LEGEND

— OH E —	OVERHEAD ELECTRICAL
— E —	ELECTRICAL
— G —	GAS
— SS —	SEWER
— SD —	STORM DRAIN
— CATV —	CABLE TELEVISION
— T —	TELEPHONE
— W —	WATER
— HPG —	HIGH PRESSURE GAS

REVISIONS

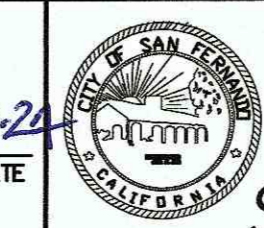
REV.	DATE	BY	DESCRIPTION	APP'VD	REV.	DATE	BY	DESCRIPTION	APP'VD

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

Jeffrey C. Lau
JEFFREY C. LAU RCE 83887 DATE 5/29/24
DRAWN BY: BB DESIGNED BY: BB CHECKED BY: JL

APPROVED: CITY OF SAN FERNANDO

Wendell E. Johnson 5.29.24
WENDELL E. JOHNSON, DIRECTOR OF PUBLIC WORKS DATE
R.C.E. NO.: 66340



CITY OF
SAN FERNANDO
HISTORIC & VISIONARY

PUBLIC WORKS DEPARTMENT

CITYWIDE TRAFFIC SIGNAL SYNCHRONIZATION PROJECT

TITLE SHEET

JOB NO. 7603

PLAN NO. P-745

SHEET NO.

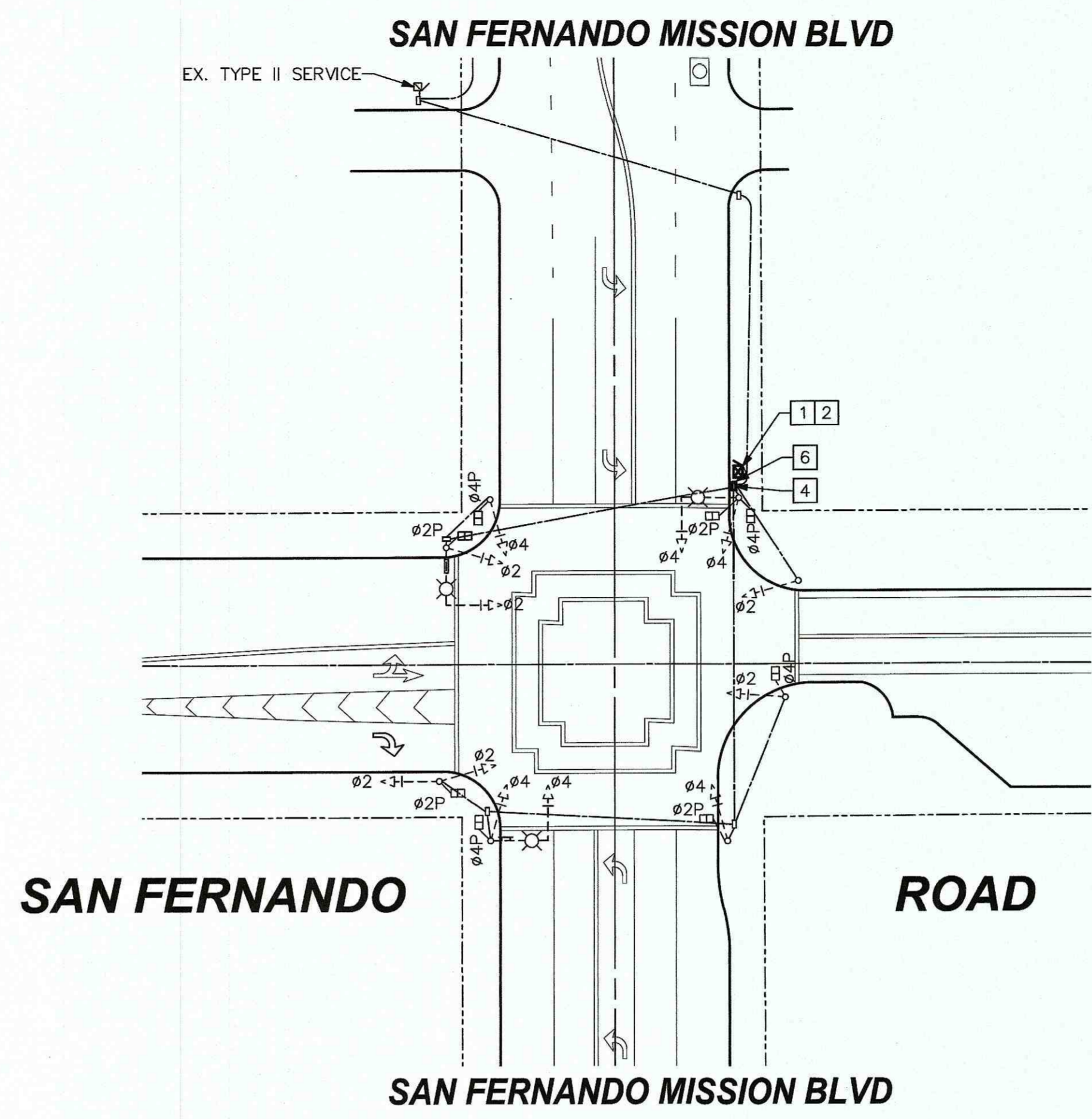
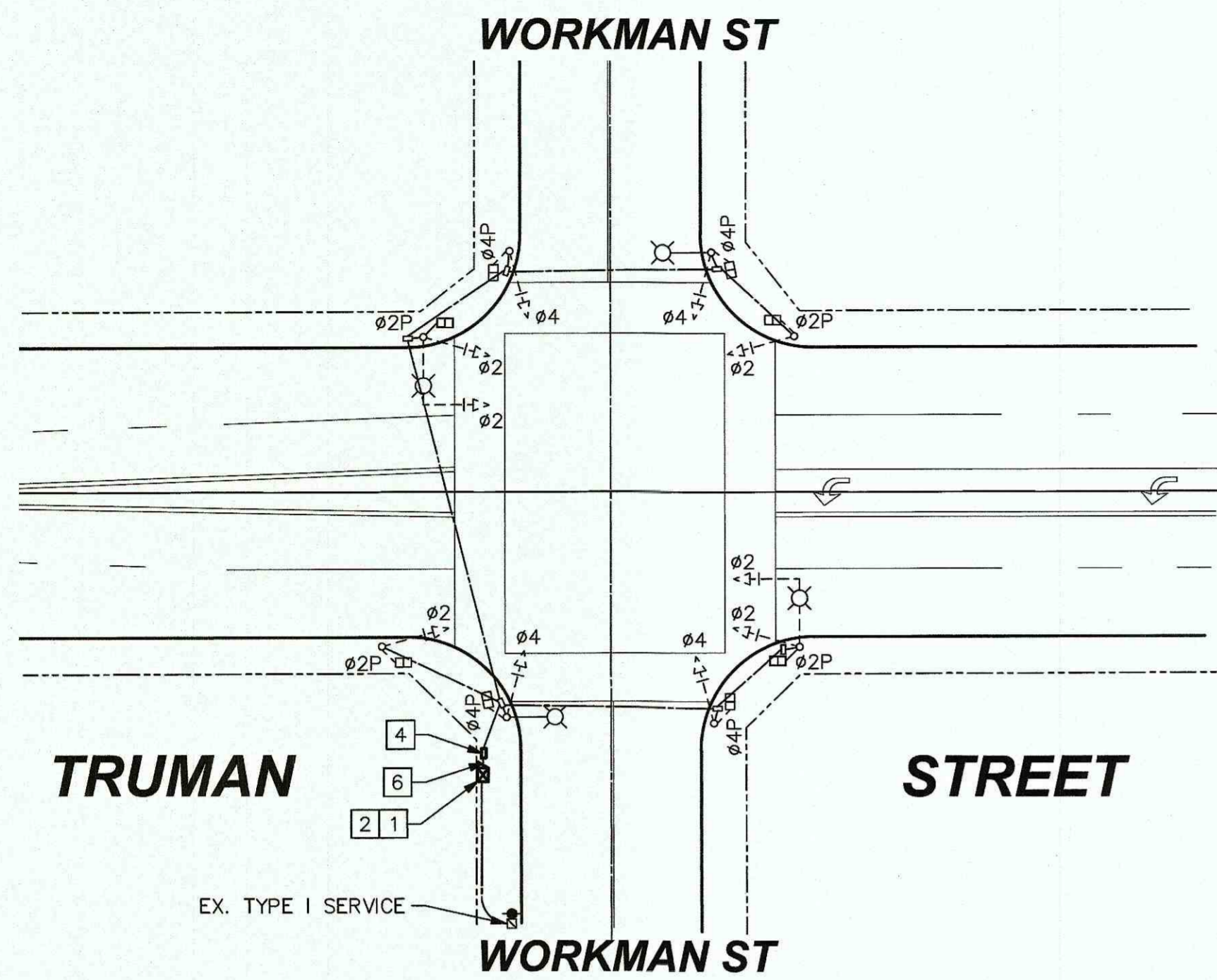
1
OF
5

BID SET



Know what's below.
Call before you dig.

Directory Path: W:\VE-CA\San Fernando, City of\112565 - SANFER Citywide Signal Timing\900-PS&E\901-Plans\p1-SIGNAL-01.dwg Date: 05/29/24

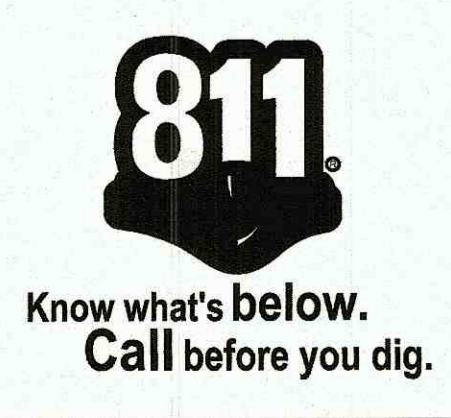
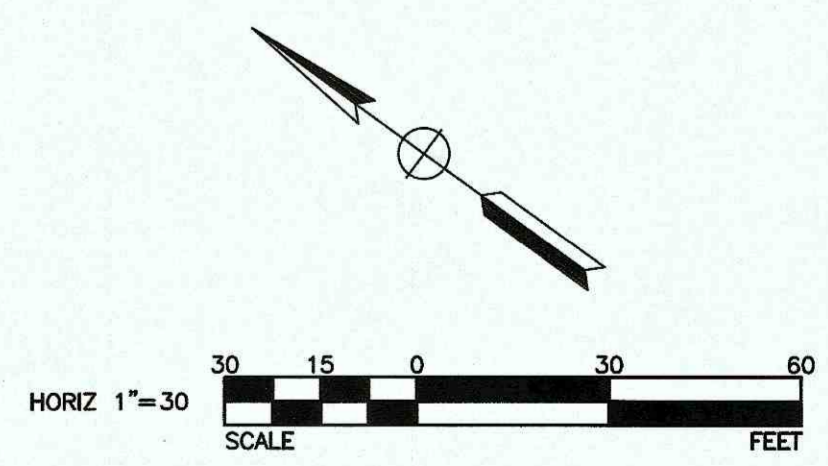
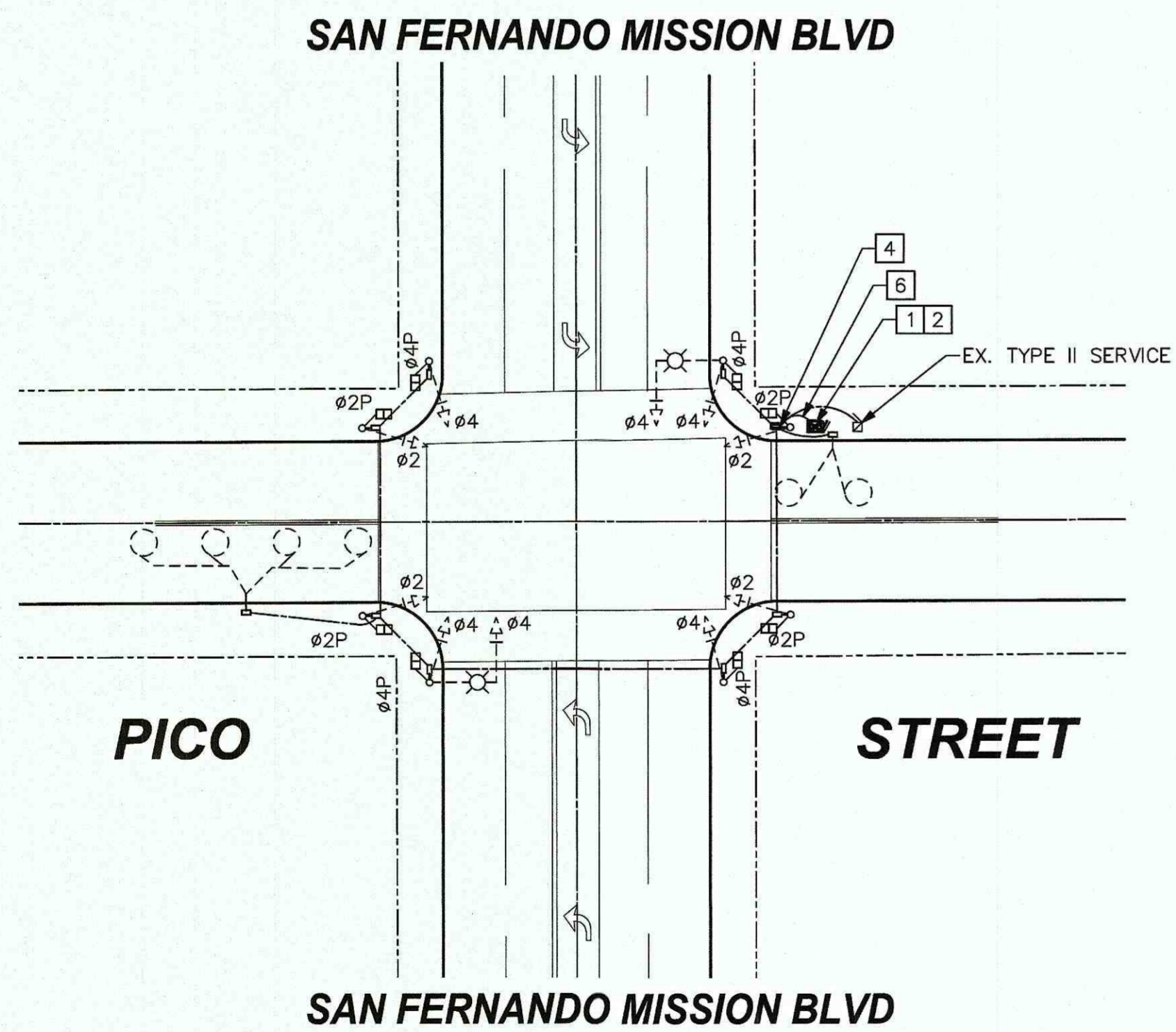


GENERAL NOTES

1. TRAFFIC SIGNAL, AND INSTALLATION THEREOF SHALL CONFORM TO CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD), DATED 2014, CALTRANS REVISED STANDARD PLANS AND SPECIFICATIONS, DATED 2022, THIS PLAN, AND THE SPECIAL PROVISIONS.
2. NEW MATERIALS AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
3. NEW CONDUIT SHALL BE 3" SCHEDULE 80 PVC AND PULL BOXES SHALL BE #6, UNLESS SHOWN OTHERWISE. PULL BOX LIDS SHALL BE CONCRETE AND LABELED "TRAFFIC".
4. ALL EXISTING CONDUITS AND PULL BOXES NOT SHOWN FOR REUSE SHALL BE ABANDONED.
5. NEW WIRING SHALL BE MARKED (TAGGED) WITHIN THE CONTROLLER CABINET FOR PHASE IDENTIFICATION.
6. 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.
7. ANY MODIFICATION OF OR CHANGES TO APPROVED PLANS MUST BE APPROVED BY THE CITY ENGINEER.
8. CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY EQUIPMENT NECESSARY TO MAINTAIN CURRENT SIGNAL OPERATION, INCLUDING BUT NOT LIMITED TO CONTROLLER ASSEMBLIES, WIRING AND MISCELLANEOUS SIGNAL EQUIPMENT.

CONSTRUCTION NOTES

- 1 REMOVE EXISTING CONTROLLER AND CABINET COMPLETE. REMOVE FOUNDATION. SEE GENERAL NOTE 8.
- 2 INSTALL NEW TYPE 332 CABINET COMPLETE WITH TYPE 170E ATC CONTROLLER, LAGO-1R PROGRAM, PED ISOLATION MODULES, LOAD SWITCHES, 2-CHANNEL ILD SENSOR UNITS, AND MISCELLANEOUS AUXILIARY EQUIPMENT TO PROVIDE FOR THE INTENDED OPERATION AS SHOWN ON THE PLAN AND TIMING SHEET.
- 3 INSTALL #6 PULL BOX AND INTERCEPT EXISTING CONDUIT.
- 4 REMOVE EXISTING PULL BOX AND INSTALL #6 PULL BOX.
- 5 ABANDON EXISTING WWV ANTENNA COMPLETE AND/OR EXISTING GPS UNIT COMPLETE. INSTALL NEW GPS UNIVERSAL TIME BASE UNIT WITH ANTENNA AND MISCELLANEOUS AUXILIARY EQUIPMENT COMPLETE IN EXISTING/PROPOSED TRAFFIC SIGNAL CABINET AT THE INTERSECTIONS LISTED IN THE TABLE FOUND ON SHEET 5 OF 5.
- 6 INSTALL 2-3" CONDUITS AND PULL EXISTING SIGNAL WIRING THROUGH NEW CONDUITS TO NEW CONTROLLER CABINET.



REVISIONS					
REV.	DATE	BY	DESCRIPTION	APP'VD	

PLANS PREPARED BY:
WILLDAN Engineering
 13191 CROSSROADS PARKWAY NORTH
 SUITE 405, INDUSTRY, CA 91746
 (562) 908-6200
 UNDER THE SUPERVISION OF:
 JEFFREY C. LAU
 RCE 83887
 DATE 5/29/24
 DESIGNED BY: BB CHECKED BY: JL

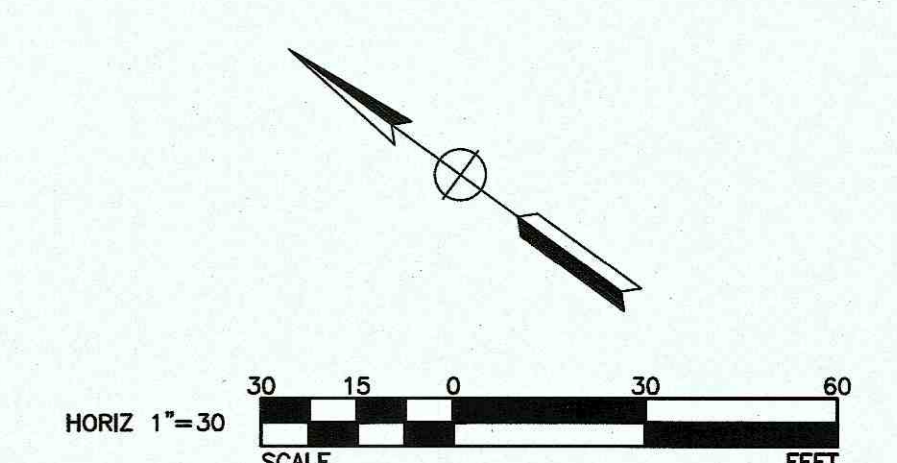
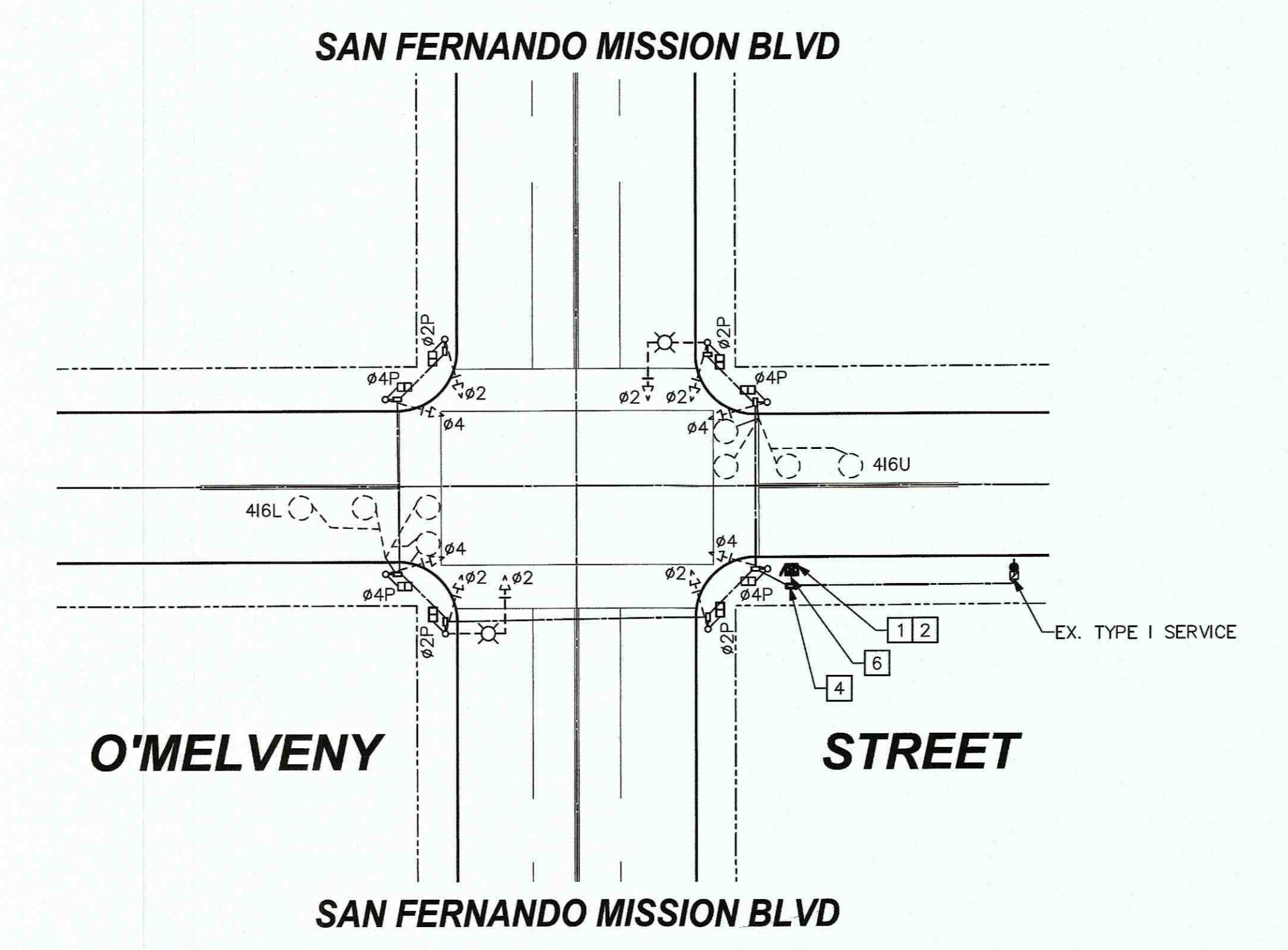
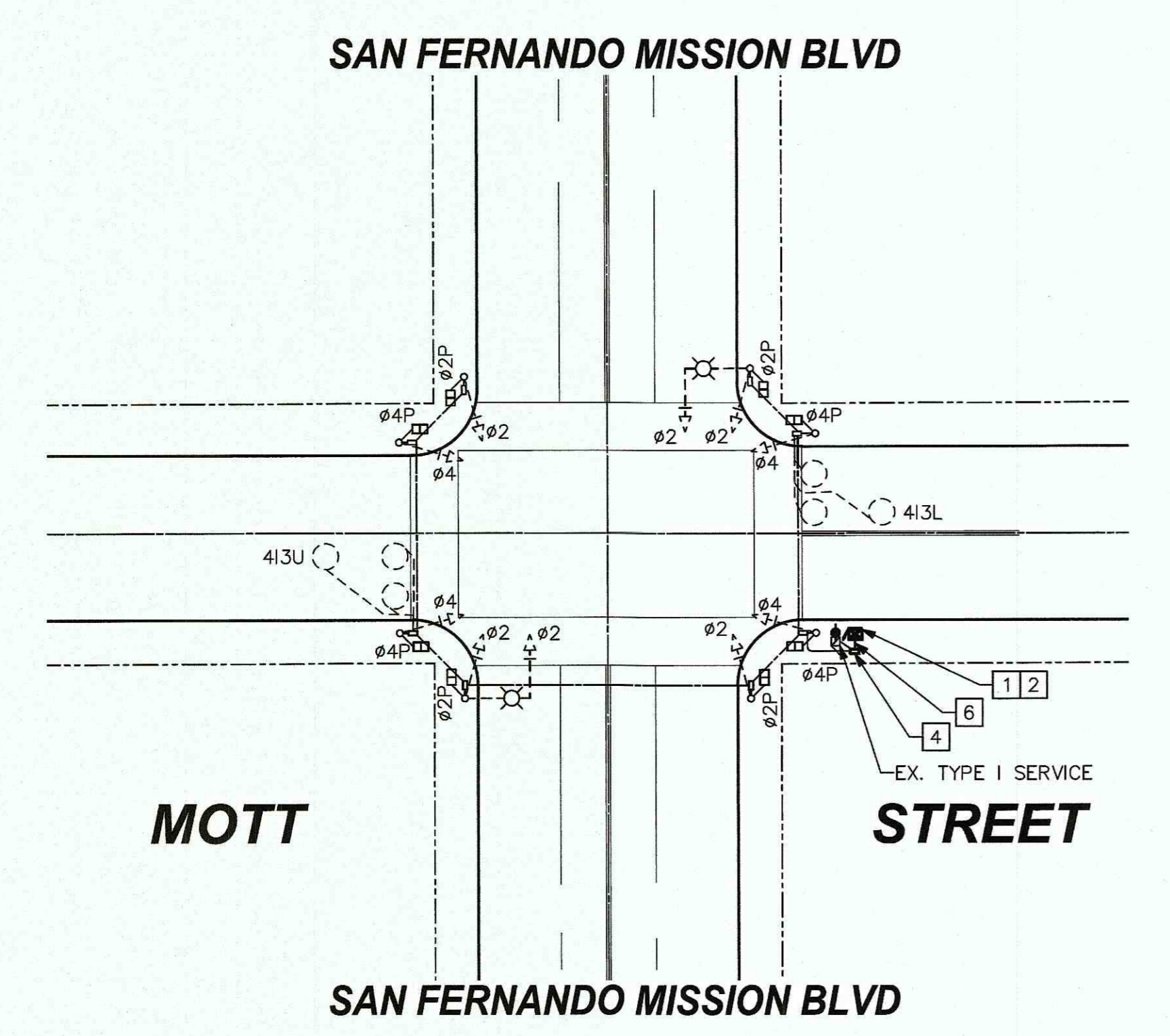
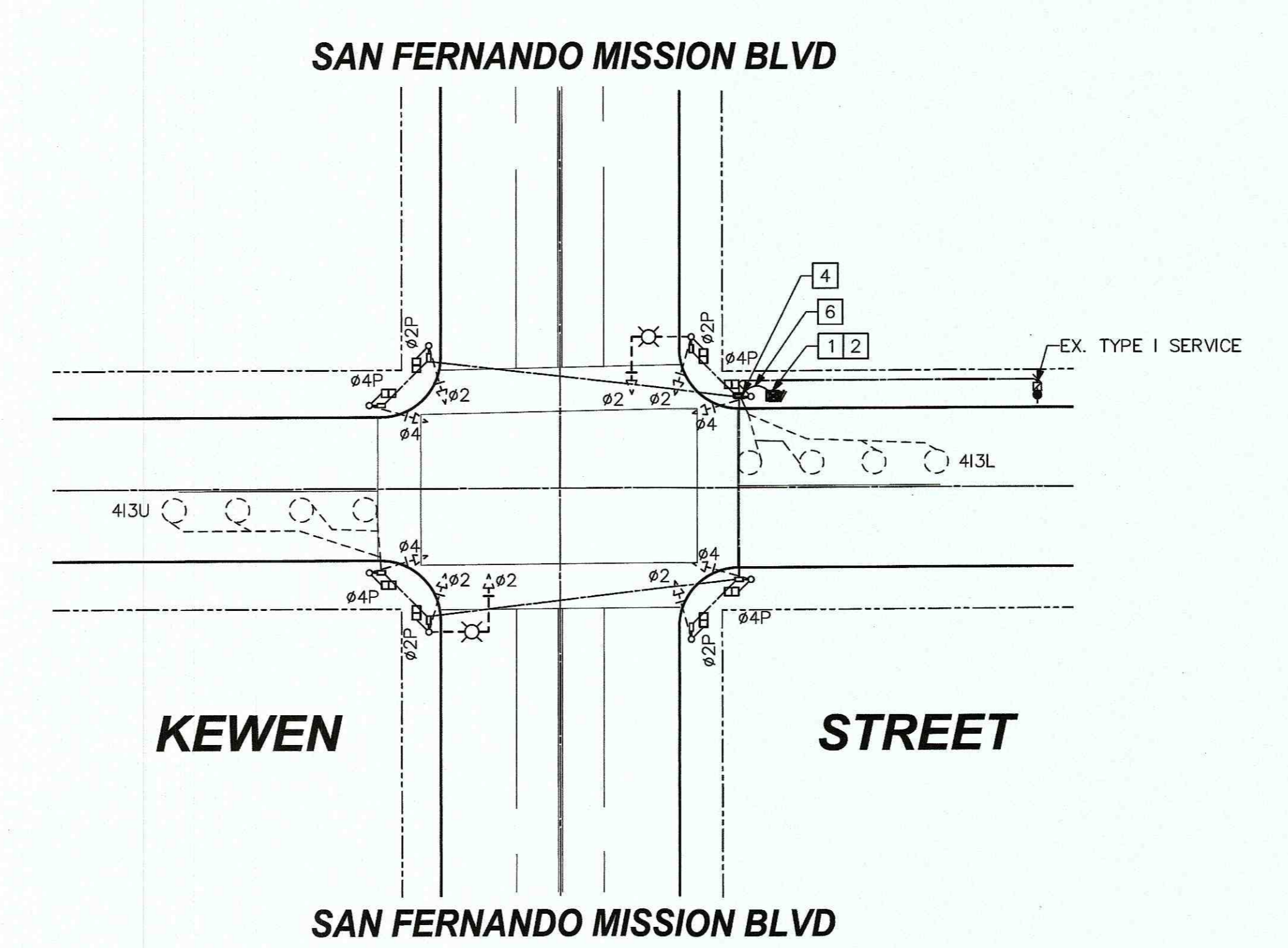
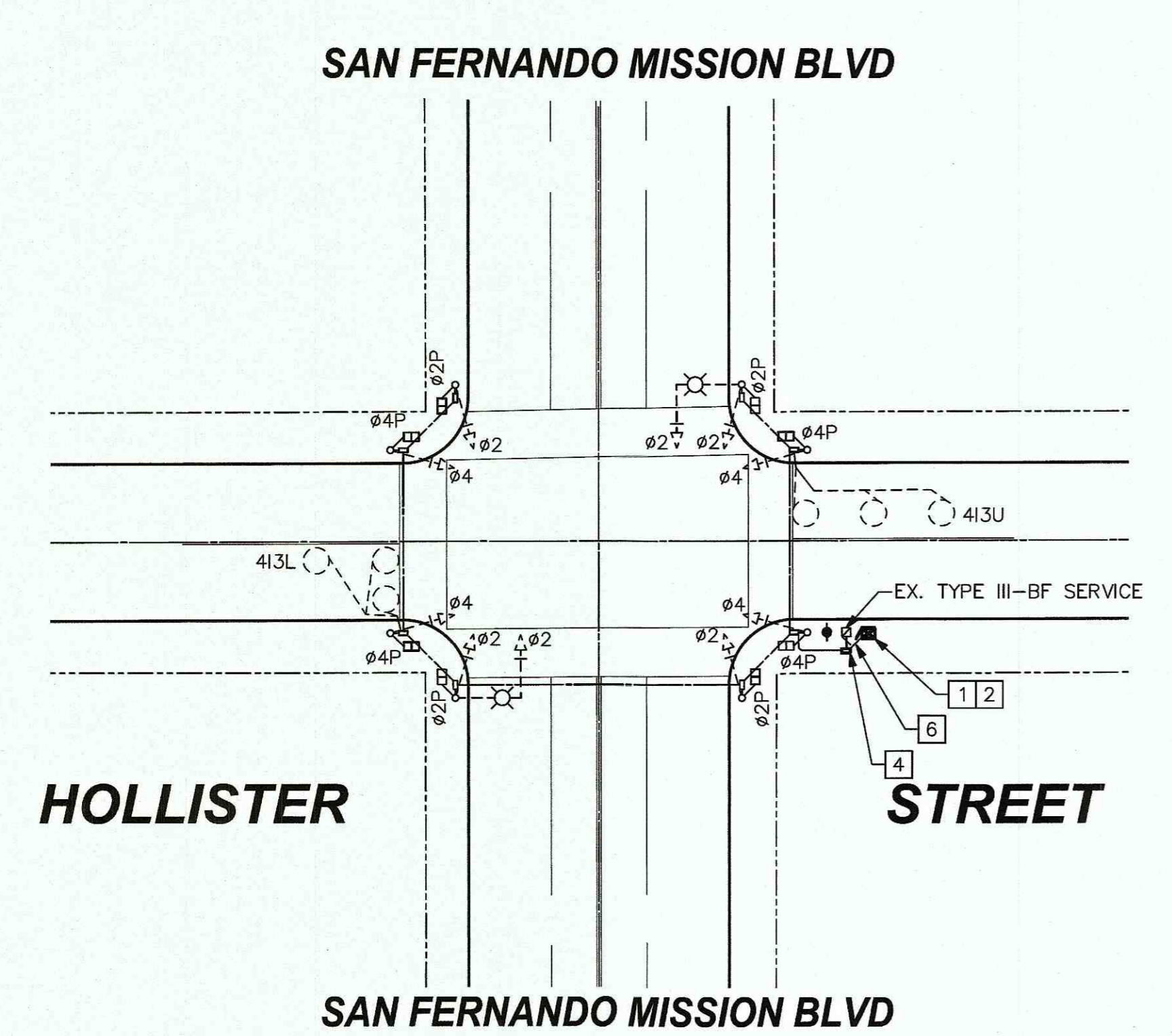
APPROVED: CITY OF SAN FERNANDO
 WENDELL E. JOHNSON, DIRECTOR OF PUBLIC WORKS
 DATE 5-29-24
 R.C.E. NO.: 66340



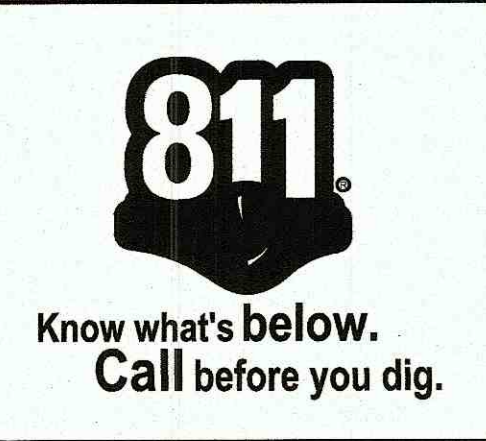
CITYWIDE TRAFFIC SIGNAL SYNCHRONIZATION PROJECT
 TRAFFIC SIGNAL MODIFICATION PLAN AT VARIOUS LOCATIONS
 JOB NO. 7603 PLAN NO. P-745
 SHEET No. 2 OF 5
 BID SET

- GENERAL NOTES**
1. TRAFFIC SIGNAL, AND INSTALLATION THEREOF SHALL CONFORM TO CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD), DATED 2014, CALTRANS REVISED STANDARD PLANS AND SPECIFICATIONS, DATED 2022, THIS PLAN, AND THE SPECIAL PROVISIONS.
 2. NEW MATERIALS AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
 3. NEW CONDUIT SHALL BE 3" SCHEDULE 80 PVC AND PULL BOXES SHALL BE #6, UNLESS SHOWN OTHERWISE. PULL BOX LIDS SHALL BE CONCRETE AND LABELED "TRAFFIC".
 4. ALL EXISTING CONDUITS AND PULL BOXES NOT SHOWN FOR REUSE SHALL BE ABANDONED.
 5. NEW WIRING SHALL BE MARKED (TAGGED) WITHIN THE CONTROLLER CABINET FOR PHASE IDENTIFICATION.
 6. 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.
 7. ANY MODIFICATION OF OR CHANGES TO APPROVED PLANS MUST BE APPROVED BY THE CITY ENGINEER.
 8. CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY EQUIPMENT NECESSARY TO MAINTAIN CURRENT SIGNAL OPERATION, INCLUDING BUT NOT LIMITED TO CONTROLLER ASSEMBLIES, WIRING AND MISCELLANEOUS SIGNAL EQUIPMENT.

- CONSTRUCTION NOTES**
- 1 REMOVE EXISTING CONTROLLER AND CABINET COMPLETE. REMOVE FOUNDATION. SEE GENERAL NOTE 8.
 - 2 INSTALL NEW TYPE 332 CABINET COMPLETE WITH TYPE 170E ATC CONTROLLER, LACO-1R PROGRAM, FED ISOLATION MODULES, LOAD SWITCHES, 2-CHANNEL ILD SENSOR UNITS, AND MISCELLANEOUS AUXILIARY EQUIPMENT TO PROVIDE FOR THE INTENDED OPERATION AS SHOWN ON THE PLAN AND TIMING SHEET.
 - 3 INSTALL #6 PULL BOX AND INTERCEPT EXISTING CONDUIT.
 - 4 REMOVE EXISTING PULL BOX AND INSTALL #6 PULL BOX.
 - 5 ABANDON EXISTING WWV ANTENNA COMPLETE AND/OR EXISTING GPS UNIT COMPLETE. INSTALL NEW GPS UNIVERSAL TIME BASE UNIT WITH ANTENNA AND MISCELLANEOUS AUXILIARY EQUIPMENT COMPLETE IN EXISTING/PROPOSED TRAFFIC SIGNAL CABINET AT THE INTERSECTIONS LISTED IN THE TABLE FOUND ON SHEET 5 OF 5.
 - 6 INSTALL 2-3" CONDUITS AND PULL EXISTING SIGNAL WIRING THROUGH NEW CONDUITS TO NEW CONTROLLER CABINET.



Directory Path: W:\WE-CA San Fernando, City of\112585 - SANIER Citywide Signal Timing\900-PS&E\901-Plans\pl-SIGNAL-02.dwg, Date: 05/29/24



REVISIONS				
REV.	DATE	BY	DESCRIPTION	APP'VD

PLANS PREPARED BY:
WILLDAN Engineering
 13181 CROSSROADS PARKWAY NORTH
 SUITE 405, INDUSTRY, CA 91746
 (562) 908-6200
 UNDER THE SUPERVISION OF:

 5/29/24
 RCE 83887 DATE
 DRAWN BY: BB DESIGNED BY: BB CHECKED BY: JL

APPROVED: CITY OF SAN FERNANDO

 WENDELL E. JOHNSON, DIRECTOR OF PUBLIC WORKS DATE 5-29-24
 R.C.E. NO.: 66340

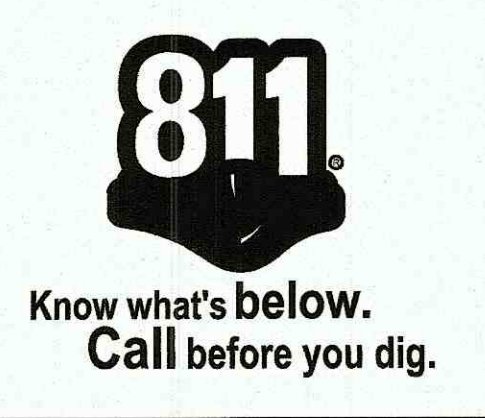
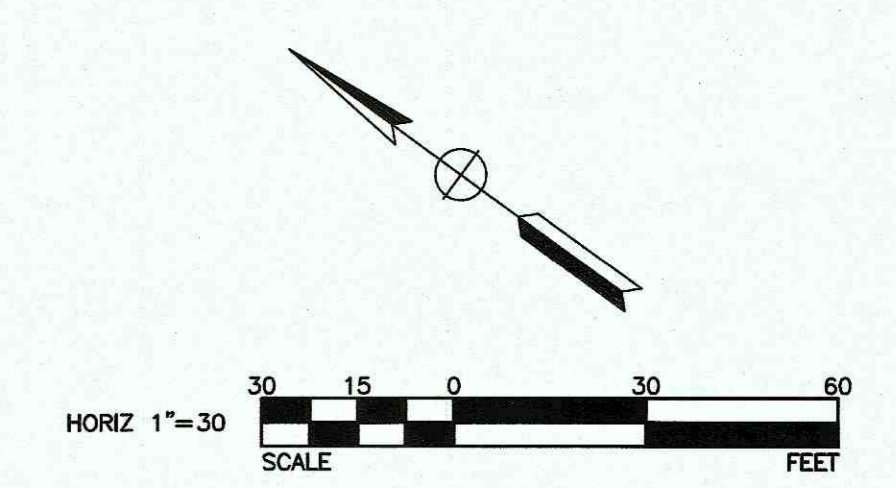
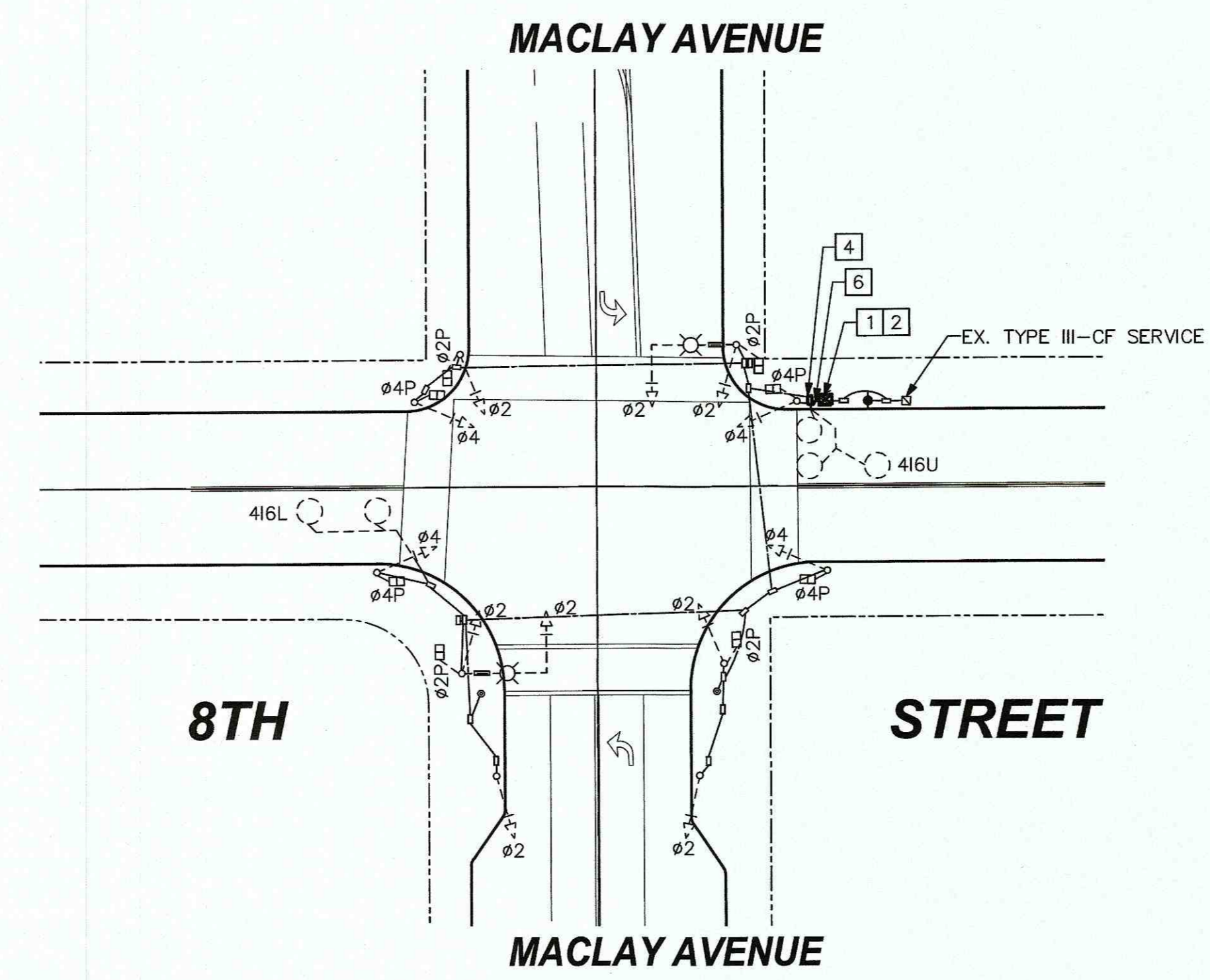
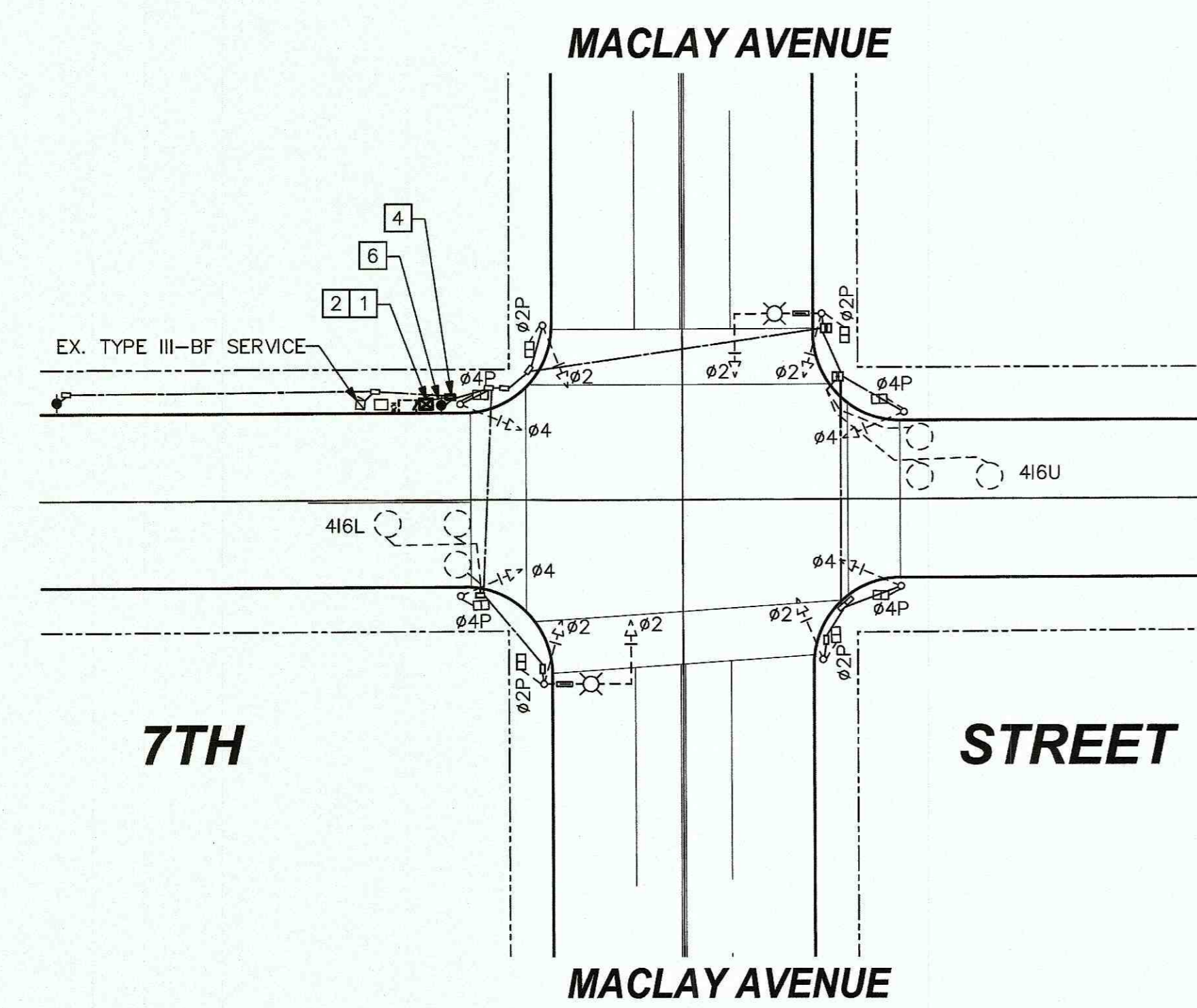
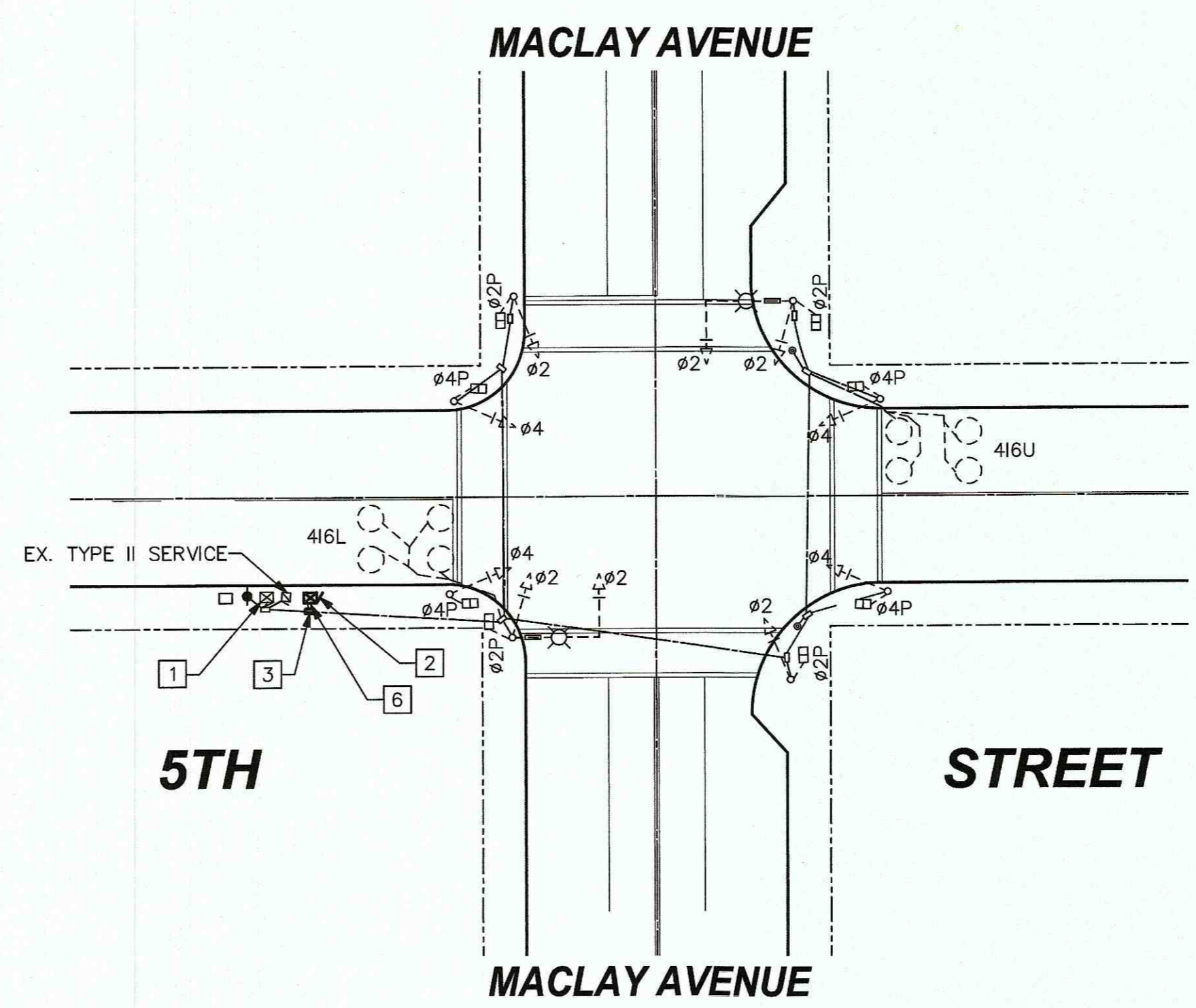
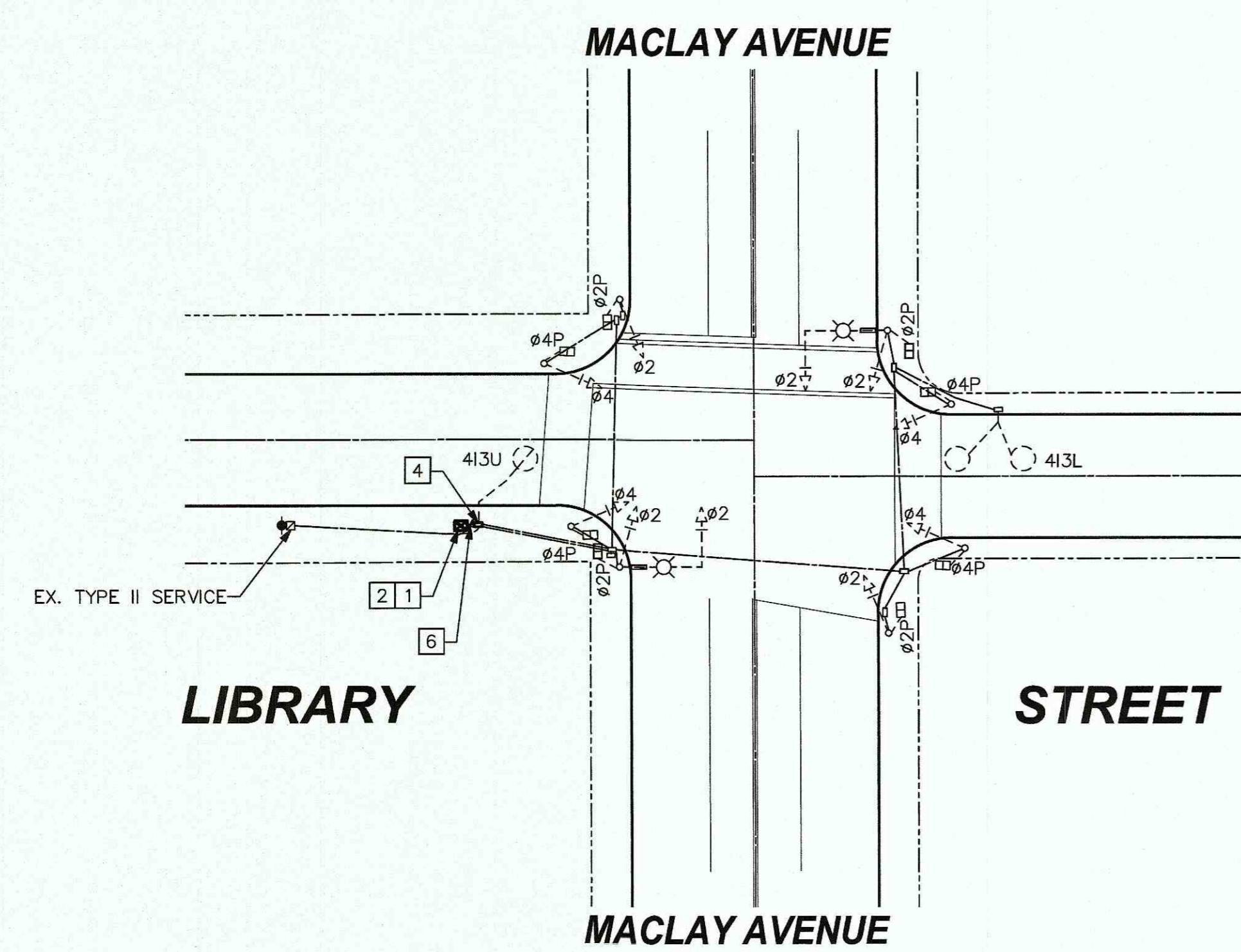
CITY OF
SAN FERNANDO
 HISTORIC & VISIONARY
 PUBLIC WORKS DEPARTMENT

CITYWIDE TRAFFIC SIGNAL SYNCHRONIZATION PROJECT
 TRAFFIC SIGNAL MODIFICATION PLAN AT VARIOUS LOCATIONS
 JOB NO. 7603 PLAN NO. P-745
 SHEET NO. 3 OF 5
 BID SET

Directory Path: W:\E-CAD\San Fernando, City of\112585 - SANIER Citywide Signal Timing\900-PS&E\901-Plans\pl-SIGNAL-03.dwg, Date: 05/29/24

- GENERAL NOTES**
1. TRAFFIC SIGNAL, AND INSTALLATION THEREOF SHALL CONFORM TO CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD), DATED 2014, CALTRANS REVISED STANDARD PLANS AND SPECIFICATIONS, DATED 2022, THIS PLAN, AND THE SPECIAL PROVISIONS.
 2. NEW MATERIALS AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
 3. NEW CONDUIT SHALL BE 3" SCHEDULE 80 PVC AND PULL BOXES SHALL BE #6, UNLESS SHOWN OTHERWISE. PULL BOX LIDS SHALL BE CONCRETE AND LABELED "TRAFFIC".
 4. ALL EXISTING CONDUITS AND PULL BOXES NOT SHOWN FOR REUSE SHALL BE ABANDONED.
 5. NEW WIRING SHALL BE MARKED (TAGGED) WITHIN THE CONTROLLER CABINET FOR PHASE IDENTIFICATION.
 6. 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.
 7. ANY MODIFICATION OF OR CHANGES TO APPROVED PLANS MUST BE APPROVED BY THE CITY ENGINEER.
 8. CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY EQUIPMENT NECESSARY TO MAINTAIN CURRENT SIGNAL OPERATION, INCLUDING BUT NOT LIMITED TO CONTROLLER ASSEMBLIES, WIRING AND MISCELLANEOUS SIGNAL EQUIPMENT.

- CONSTRUCTION NOTES**
- 1 REMOVE EXISTING CONTROLLER AND CABINET COMPLETE. REMOVE FOUNDATION. SEE GENERAL NOTE 8.
 - 2 INSTALL NEW TYPE 332 CABINET COMPLETE WITH TYPE 170E ATC CONTROLLER, LACO-1R PROGRAM, FED ISOLATION MODULES, LOAD SWITCHES, 2-CHANNEL ILD SENSOR UNITS, AND MISCELLANEOUS AUXILIARY EQUIPMENT TO PROVIDE FOR THE INTENDED OPERATION AS SHOWN ON THE PLAN AND TIMING SHEET.
 - 3 INSTALL #6 PULL BOX AND INTERCEPT EXISTING CONDUIT.
 - 4 REMOVE EXISTING PULL BOX AND INSTALL #6 PULL BOX.
 - 5 ABANDON EXISTING WWV ANTENNA COMPLETE AND/OR EXISTING GPS UNIT COMPLETE. INSTALL NEW GPS UNIVERSAL TIME BASE UNIT WITH ANTENNA AND MISCELLANEOUS AUXILIARY EQUIPMENT COMPLETE IN EXISTING/PROPOSED TRAFFIC SIGNAL CABINET AT THE INTERSECTIONS LISTED IN THE TABLE FOUND ON SHEET 5 OF 5.
 - 6 INSTALL 2-3" CONDUITS AND PULL EXISTING SIGNAL WIRING THROUGH NEW CONDUITS TO NEW CONTROLLER CABINET.



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

PLANS PREPARED BY:
WILLDAN Engineering
 13191 CROSSROADS PARKWAY NORTH
 SUITE 405, INDUSTRY, CA 91746
 (562) 908-6200
 UNDER THE SUPERVISION OF:
 [Signature]
 JEFFREY C. LAM RCE 83887 DATE 5/29/24
 DRAWN BY: BB DESIGNED BY: BB CHECKED BY: JL

APPROVED: CITY OF SAN FERNANDO
 [Signature]
 WENDELL E. JOHNSON, DIRECTOR OF PUBLIC WORKS DATE 5/29/24
 R.C.E. NO.: 66340

CITY OF
SAN FERNANDO
 HISTORIC & VISIONARY
 PUBLIC WORKS DEPARTMENT

CITYWIDE TRAFFIC SIGNAL SYNCHRONIZATION PROJECT
 TRAFFIC SIGNAL MODIFICATION PLAN AT VARIOUS LOCATIONS

JOB NO. 7603 PLAN NO. P-745

SHEET NO. 4 OF 5

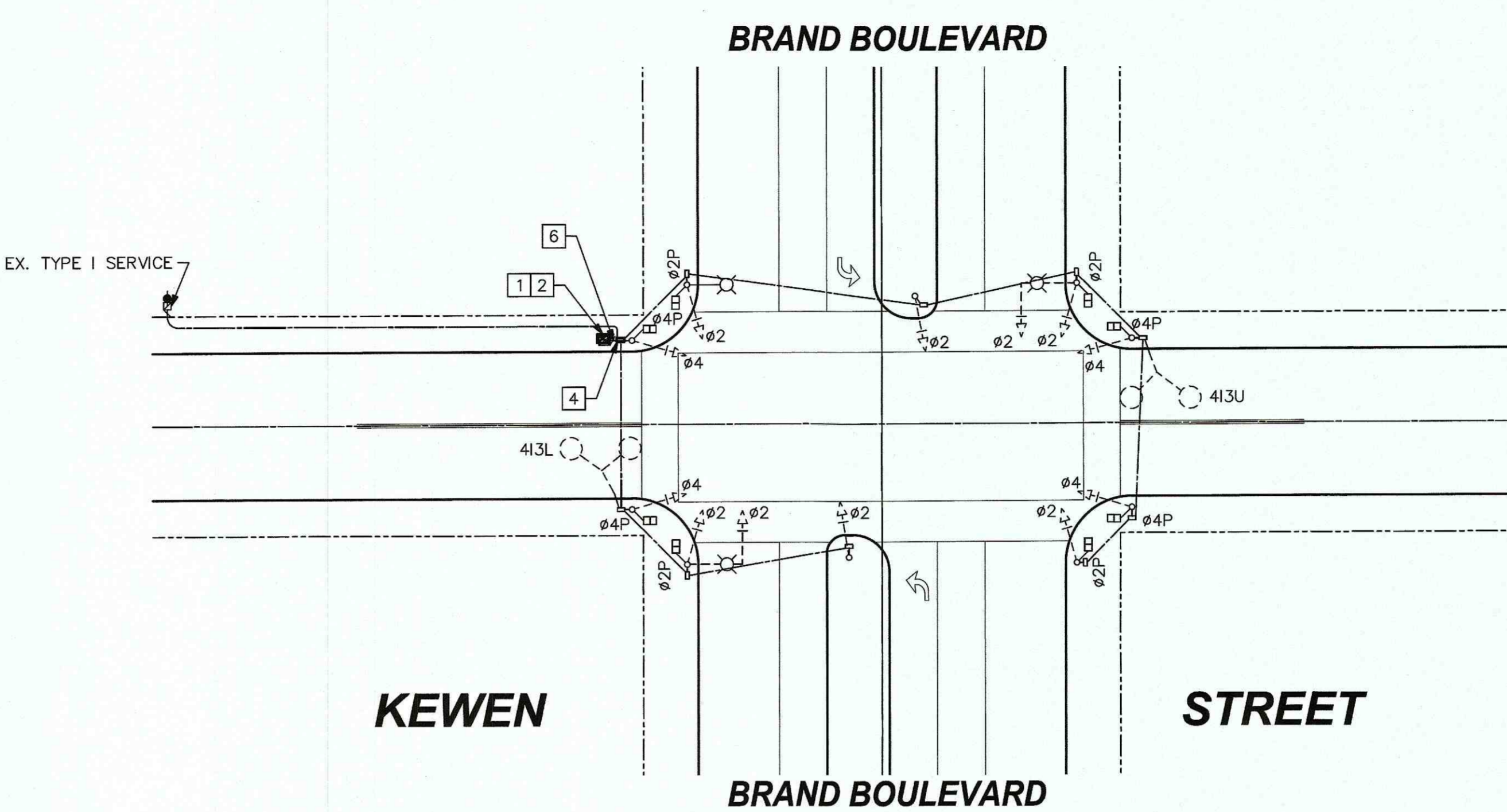
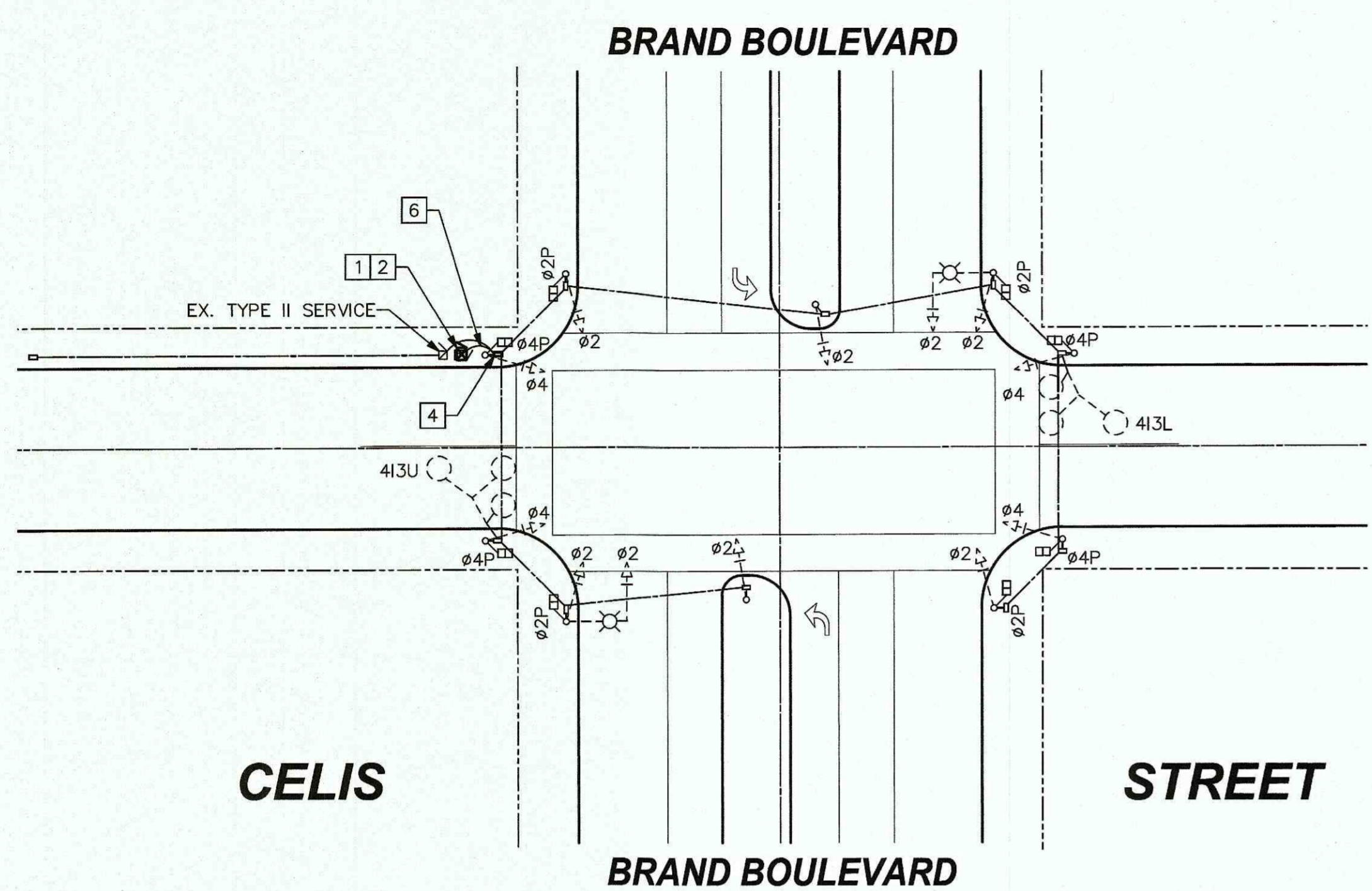
BID SET

GENERAL NOTES

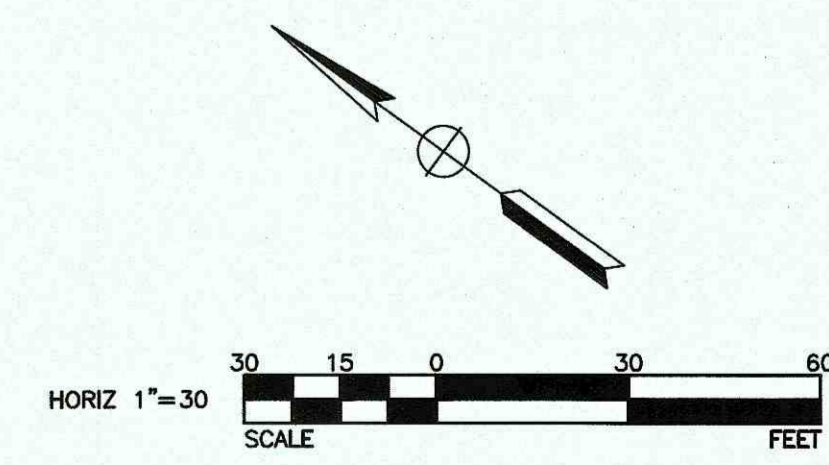
1. TRAFFIC SIGNAL, AND INSTALLATION THEREOF SHALL CONFORM TO CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD), DATED 2014, CALTRANS REVISED STANDARD PLANS AND SPECIFICATIONS, DATED 2022, THIS PLAN, AND THE SPECIAL PROVISIONS.
2. NEW MATERIALS AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
3. NEW CONDUIT SHALL BE 3" SCHEDULE 80 PVC AND PULL BOXES SHALL BE #6, UNLESS SHOWN OTHERWISE. PULL BOX LIDS SHALL BE CONCRETE AND LABELED "TRAFFIC".
4. ALL EXISTING CONDUITS AND PULL BOXES NOT SHOWN FOR REUSE SHALL BE ABANDONED.
5. NEW WIRING SHALL BE MARKED (TAGGED) WITHIN THE CONTROLLER CABINET FOR PHASE IDENTIFICATION.
6. 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.
7. ANY MODIFICATION OF OR CHANGES TO APPROVED PLANS MUST BE APPROVED BY THE CITY ENGINEER.
8. CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY EQUIPMENT NECESSARY TO MAINTAIN CURRENT SIGNAL OPERATION, INCLUDING BUT NOT LIMITED TO CONTROLLER ASSEMBLIES, WIRING AND MISCELLANEOUS SIGNAL EQUIPMENT.

CONSTRUCTION NOTES

- 1 REMOVE EXISTING CONTROLLER AND CABINET COMPLETE. REMOVE FOUNDATION. SEE GENERAL NOTE 8.
- 2 INSTALL NEW TYPE 332 CABINET COMPLETE WITH TYPE 170E ATC CONTROLLER, LACO-1R PROGRAM, PED ISOLATION MODULES, LOAD SWITCHES, 2-CHANNEL ILD SENSOR UNITS, AND MISCELLANEOUS AUXILIARY EQUIPMENT TO PROVIDE FOR THE INTENDED OPERATION AS SHOWN ON THE PLAN AND TIMING SHEET.
- 3 INSTALL #6 PULL BOX AND INTERCEPT EXISTING CONDUIT.
- 4 REMOVE EXISTING PULL BOX AND INSTALL #6 PULL BOX.
- 5 ABANDON EXISTING WWV ANTENNA COMPLETE AND/OR EXISTING GPS UNIT COMPLETE. INSTALL NEW GPS UNIVERSAL TIME BASE UNIT WITH ANTENNA AND MISCELLANEOUS AUXILIARY EQUIPMENT COMPLETE IN EXISTING/PROPOSED TRAFFIC SIGNAL CABINET AT THE INTERSECTIONS LISTED IN THE TABLE FOUND ON SHEET 5 OF 5.
- 6 INSTALL 2-3" CONDUITS AND PULL EXISTING SIGNAL WIRING THROUGH NEW CONDUITS TO NEW CONTROLLER CABINET.



TRAFFIC SIGNAL INTERSECTION 5		
SAN FERNANDO MISSION BOULEVARD	&	OMELVENY AVENUE
SAN FERNANDO MISSION BOULEVARD	&	MOTT STREET
SAN FERNANDO MISSION BOULEVARD	&	KEWEN STREET
SAN FERNANDO MISSION BOULEVARD	&	HOLLISTER STREET
SAN FERNANDO MISSION BOULEVARD	&	PICO STREET
SAN FERNANDO MISSION BOULEVARD	&	CELIS STREET
SAN FERNANDO MISSION BOULEVARD	&	SAN FERNANDO ROAD
SAN FERNANDO MISSION BOULEVARD	&	TRUMAN STREET
MACLAY AVENUE	&	FIRST STREET
MACLAY AVENUE	&	TRUMAN STREET
BRAND BOULEVARD	&	KEWEN STREET
BRAND BOULEVARD	&	HOLLISTER STREET
BRAND BOULEVARD	&	MOTT STREET
BRAND BOULEVARD	&	PICO STREET
BRAND BOULEVARD	&	CELIS STREET
BRAND BOULEVARD	&	SAN FERNANDO ROAD
BRAND BOULEVARD	&	TRUMAN STREET
TRUMAN STREET	&	WOLFSKILL STREET
TRUMAN STREET	&	WORKMAN STREET
HUBBARD STREET	&	SAN FERNANDO ROAD / TRUMAN STREET
HUBBARD STREET	&	TRUMAN STREET
HUBBARD STREET	&	FIRST STREET
HUBBARD STREET	&	SECOND STREET
HUBBARD STREET	&	FOURTH STREET
MACLAY AVENUE	&	FOURTH STREET
MACLAY AVENUE	&	LIBRARY STREET
MACLAY AVENUE	&	FIFTH STREET
MACLAY AVENUE	&	GLENOAKS BOULEVARD
MACLAY AVENUE	&	SEVENTH STREET
MACLAY AVENUE	&	EIGHTH STREET
GLENOAKS BOULEVARD	&	ORANGE GROVE AVENUE
GLENOAKS BOULEVARD	&	HARDING AVENUE
GLENOAKS BOULEVARD	&	BRAND BOULEVARD
GLENOAKS BOULEVARD	&	GRISWOLD AVENUE
GLENOAKS BOULEVARD	&	ARROYO AVENUE



Directory Path: W:\E-CAD\San_Fernando_City\112585 - SANFERN Citywide Signal Timing\900-PS&E\901-Plans\pl-SIGNAL-04.dwg Date: 05/29/24



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

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

 JEFFREY C. LAU RCE 83887 DATE 5/29/24
 DRAWN BY: BB DESIGNED BY: BB CHECKED BY: JL

APPROVED: CITY OF SAN FERNANDO

 WENDELL E. JOHNSON, DIRECTOR OF PUBLIC WORKS DATE 5/29/24
 R.C.E. No.: 66340

CITY OF
SAN FERNANDO
 HISTORIC & VISIONARY
 PUBLIC WORKS DEPARTMENT

CITYWIDE TRAFFIC SIGNAL SYNCHRONIZATION PROJECT
 TRAFFIC SIGNAL MODIFICATION PLAN AT VARIOUS LOCATIONS
 SHEET NO. 5 OF 5
 JOB NO. 7603 PLAN NO. P-745

BID SET