

DATE PLOTTED : 3/27/2018



MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:

REGISTERED PROFESSIONAL ENGINEER
No. 57935
TRAFFIC ENGINEERING SECTION

RICARDO DIAZ

3/27/2018
DATE

DESIGNED BY: T. PHAM
DRAWN BY: T. PHAM
CHECKED BY: R. DIAZ

COUNTY OF ORANGE
OC PUBLIC WORKS

PREPARED BY:
TRAFFIC ENGINEERING SECTION

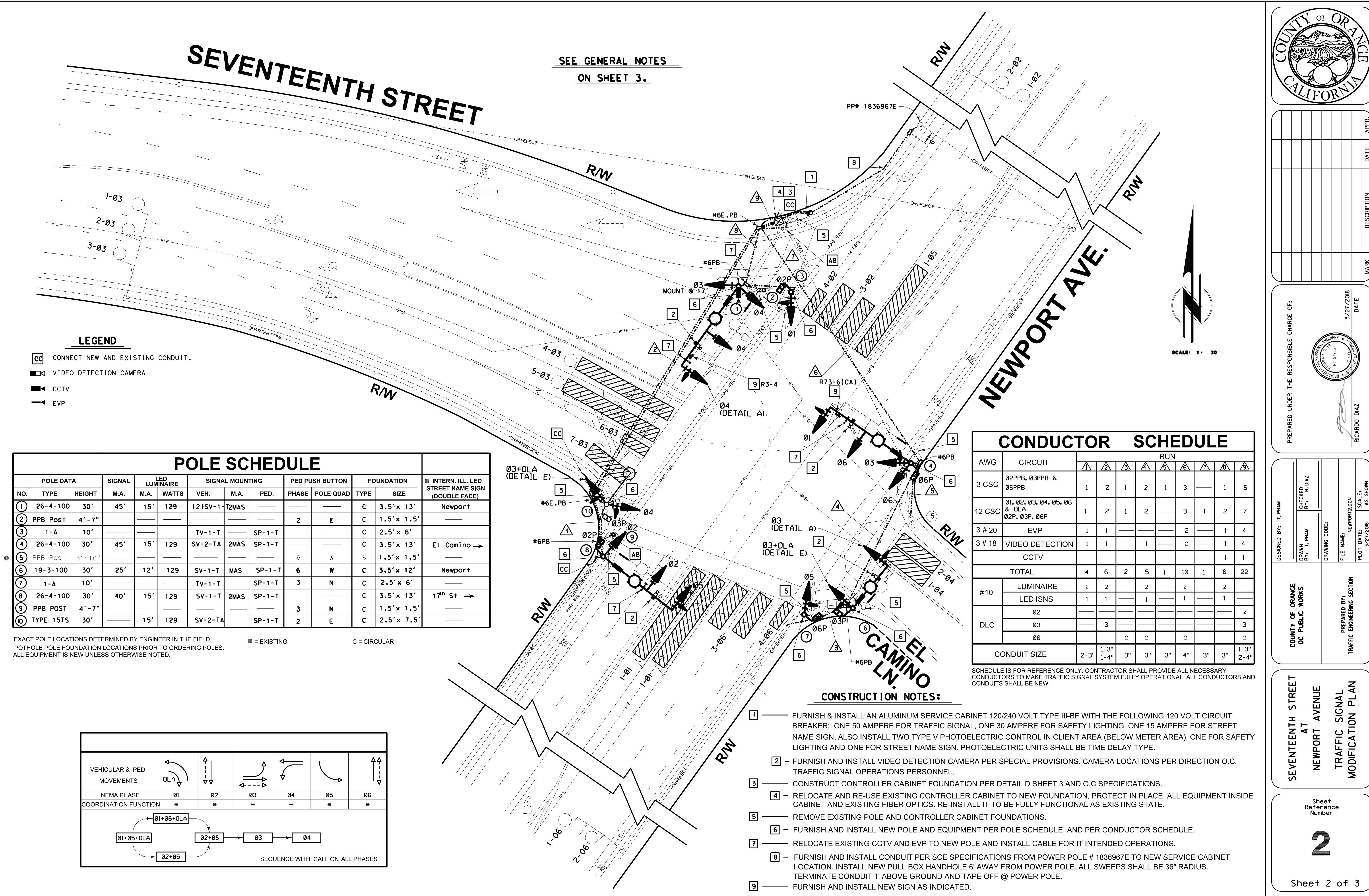
DRAWING CODE:
FILE NAME:
PLOT DATE:
SCALE:
AS SHOWN

SEVENTEENTH STREET
AT
NEWPORT AVENUE
TRAFFIC SIGNAL
MODIFICATION PLAN

Sheet
Reference
Number

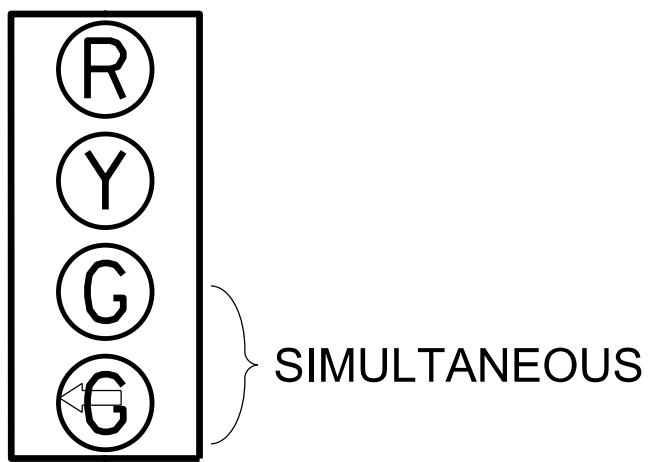
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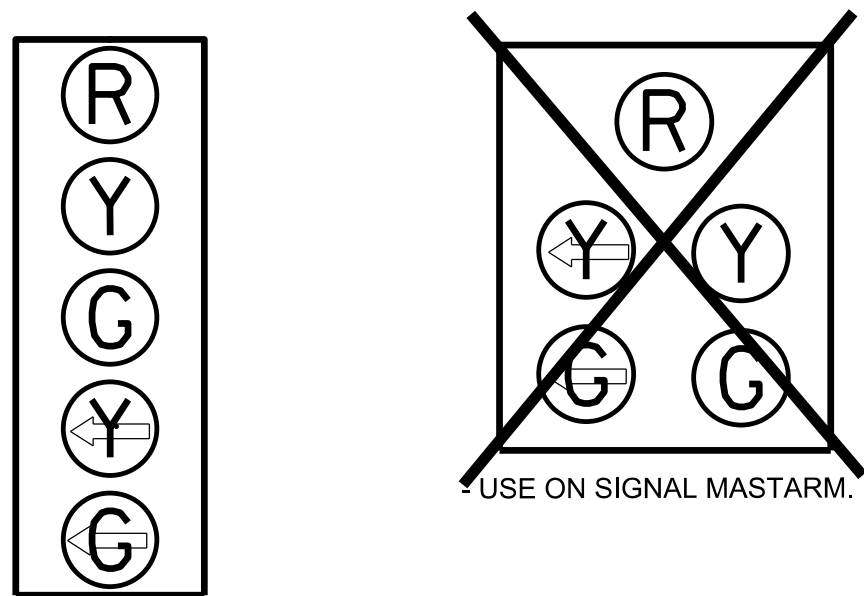
DETAIL A

4-SECTION SIGNAL HEAD
12" LENSES



DETAIL E

5-SECTION SIGNAL HEAD
12" LENSES

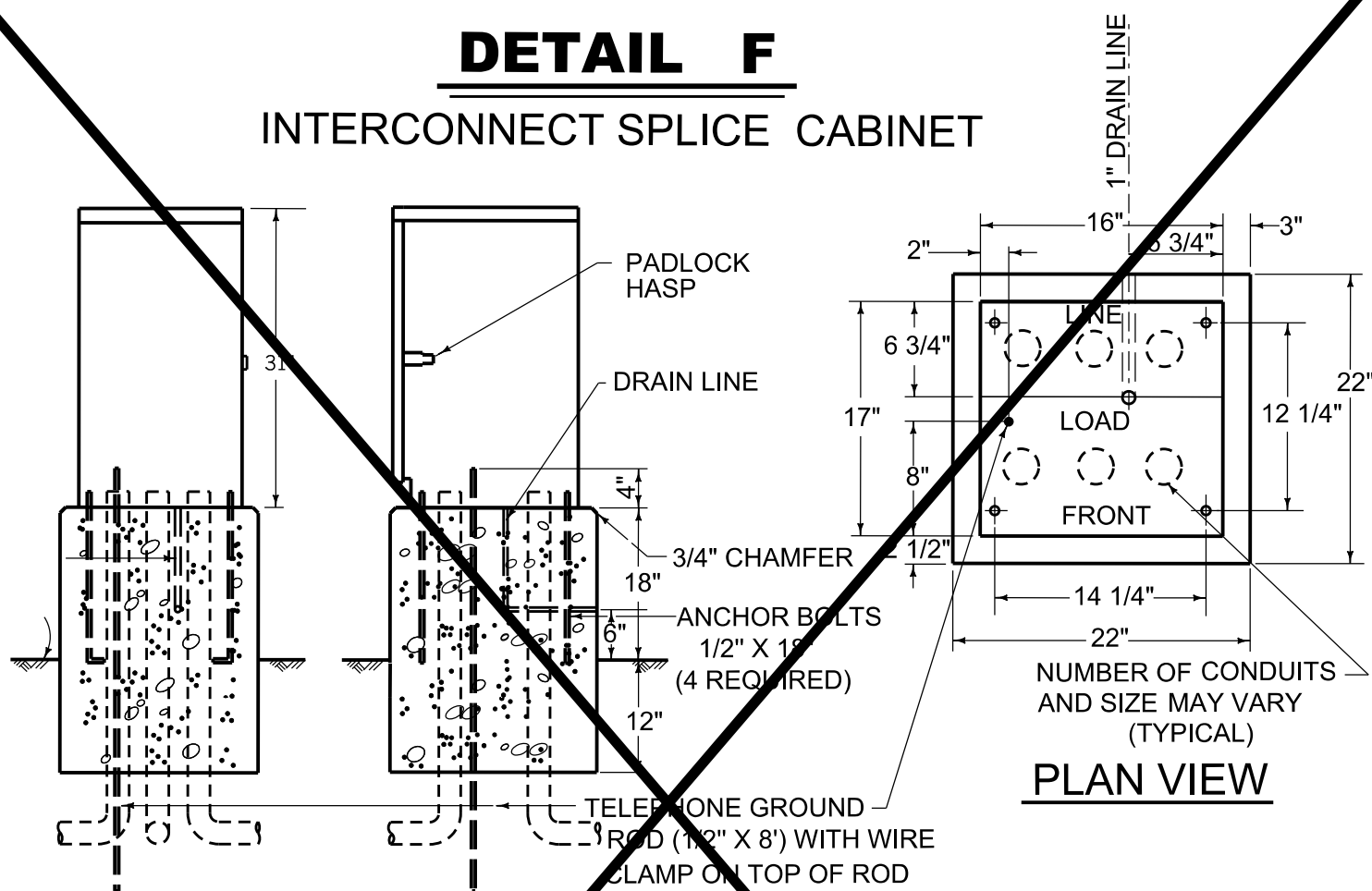


- USE ON POLE.

- BAND STRAP OR BOLT FRAME WORK AT TOP, TO SIGNAL POLE, AS DIRECTED BY ENGINEER.
- NO CAST ALUMINUM TERMINAL BLOCKS ALLOWED.

DETAIL F

INTERCONNECT SPLICE CABINET



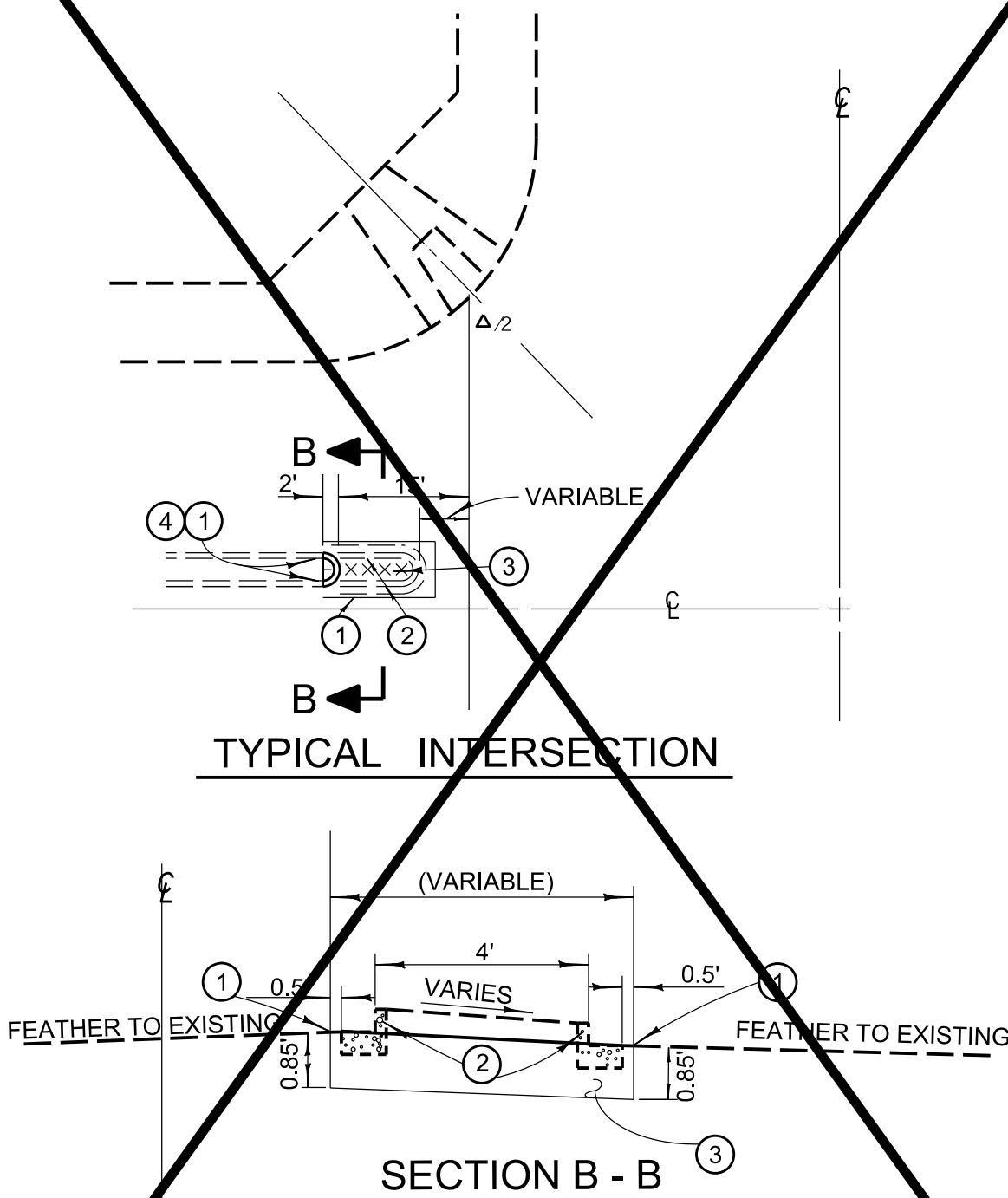
FRONT VIEW SIDE VIEW

NOTES - DETAIL F

- FOUNDATION TO BE 22" X 22" ANCHOR BOLT PLACEMENT PER CABINET MFG. TEMPLATE.
- ENCLOSURE SHALL BE ALUMINUM AND FURNISHED WITH A DETACHABLE MOUNTING BASE.
- ALL FACTORY INSTALLED COMPONENTS SHALL BE U.L. LISTED OR PER PUBLISHED N.E.C. STANDARDS.
- A 3/4" CONSTRUCTION GRADE PLYWOOD PANEL SHALL BE FASTENED TO THE REAR WALL. PANEL SHALL BE 12" X 24" AND SHALL HAVE A No. MI-25 AND R-841 STANDOFF FASTENED IN THE CENTER OF THE PANEL.
- ENCLOSURE FINISH SHALL CONFORM TO A.S.T.M. B-117. PAINT TO BE APPLIED TO EXTERNAL AND INTERNAL CABINET SURFACE SHALL BE WHITE ANTI-GRAFFITI CARDINAL'S 6400'S SERIES OR APPROVED EQUAL. ANTI-GRAFFITI PAINT SHALL BE APPLIED TO CABINET AT THE TIME OF MANUFACTURE.
- PROVIDE 1 1/2" CONDUIT FOR FUTURE 115 VAC SERVICE.
- PROVIDE GROUND BUS INSIDE SPLICE CABINET.

DETAIL B

INTERSECTIONS RAISED MEDIAN

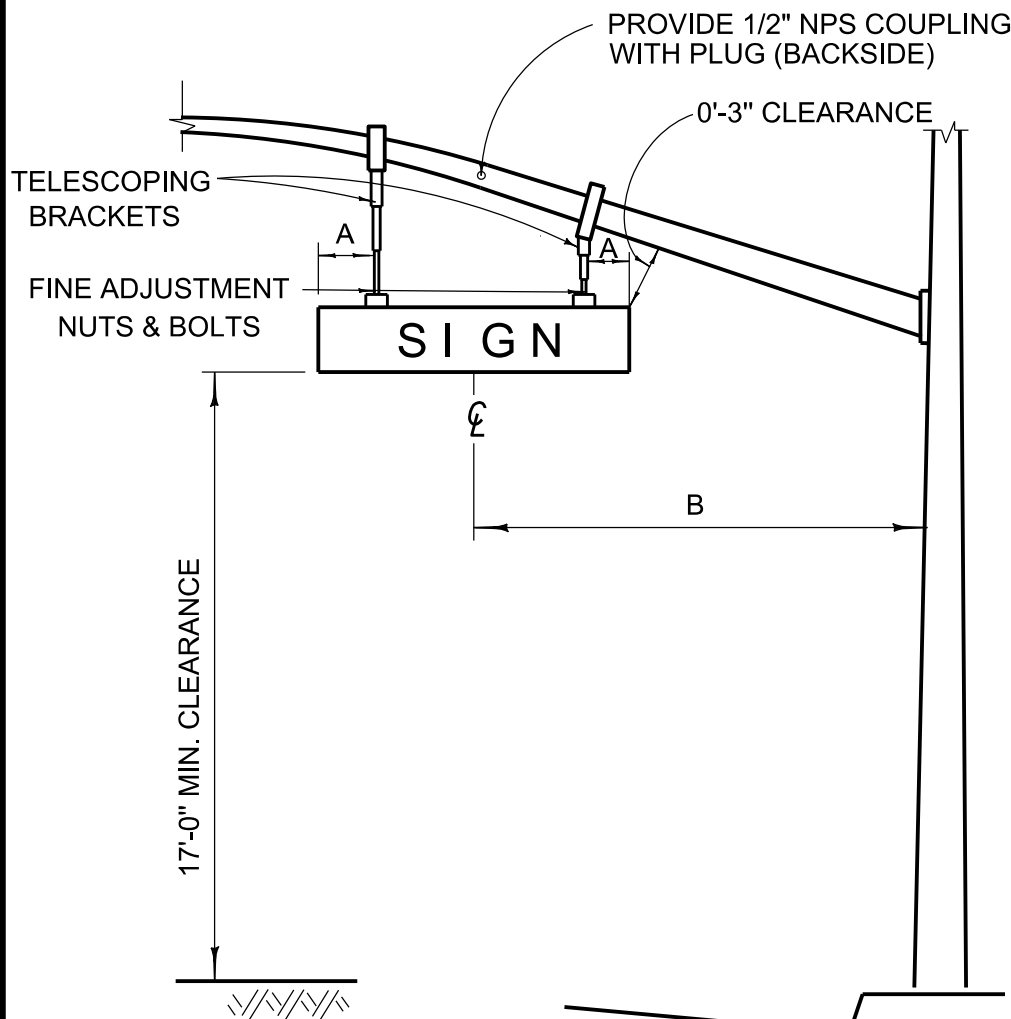


NOTES - DETAILS B

- SAWCUT AND JOIN EXISTING
- REMOVE CONCRETE
- CONSTRUCT 0.85' AC OVER NATIVE SOIL
- CONSTRUCT TYPE A1-8 CONCRETE CURB PER APWA STD. PLAN 120-0.

DETAIL C

INTERNALLY ILLUMINATED LED STREET
NAME SIGN COMPONENTS

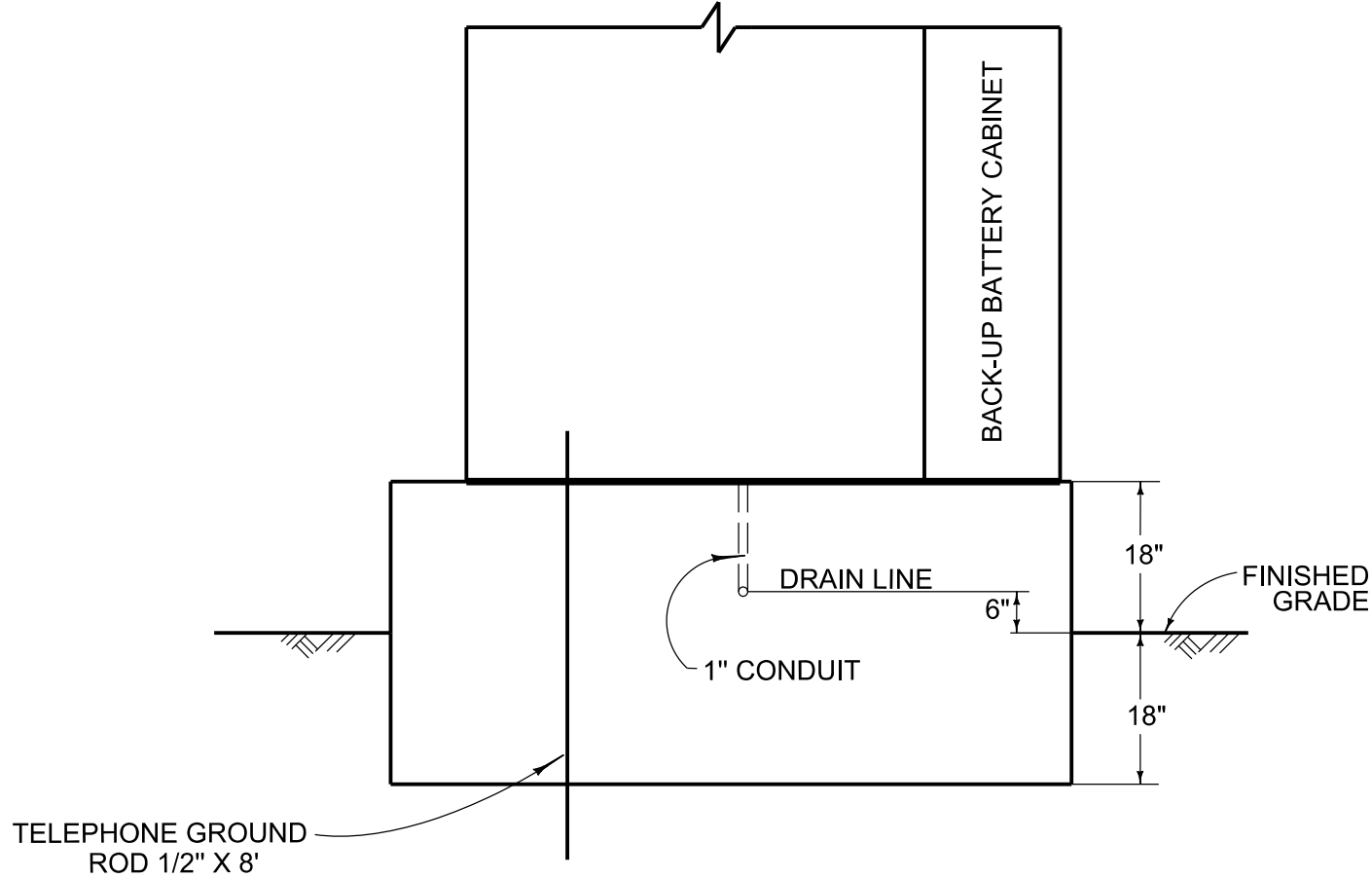


NOTES - DETAIL C

- A 1'-6" (18"x72" SIGN), 2'-0" (18"x96" SIGN)
B 10'-6" CENTERLINE OF SIGN TO FACE OF POLE

DETAIL D

CONTROLLER CABINET

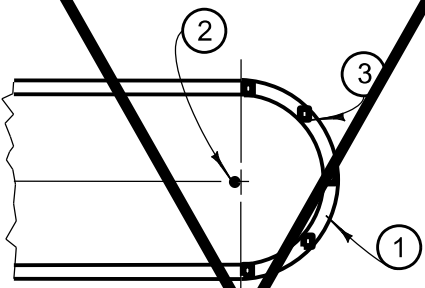


GENERAL NOTES :

- ALL WORK, MATERIALS AND EQUIPMENT SHALL CONFORM TO THE LATEST STATE OF THE CALIFORNIA, DEPARTMENT OF TRANSPORTATION, STANDARD PLANS AND STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS FOR THIS PROJECT.
- UTILITIES SHOWN ON THESE PLANS ARE CORRECT AND ACCURATE TO THE EXTENT OF AVAILABLE RECORDS AND KNOWLEDGE. THE CONTRACTOR, HOWEVER, IS REQUIRED TO ASCERTAIN THE EXACT LOCATION OF UNDERGROUND FACILITIES PRIOR TO DOING WORK THAT MAY INTERFERE WITH SUCH FACILITIES. CONTACT USA DIG ALERT 1-800-227-2600 48 HOURS IN ADVANCE.
- 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL CONTACT OC PUBLIC WORK DEPARTMENT FOR INSPECTION AT 714-567-7800.
- THE ENGINEER SHALL APPROVE POLE AND LOOP DETECTION PLACEMENT IN THE FIELD PRIOR TO INSTALLATION.
- ALL CONDUITS SHALL BE 3" SCHEDULE 80 PVC. CONDUIT SHALL BE MINIMUM 30" OF DEPTH UNLESS OTHERWISE NOTED.
- ALL PULL BOXES SHALL BE #5 UNLESS OTHERWISE NOTED AND 200' SPACING APART. ALL LIDS SHALL BE NON-PCC MATERIAL PER CALTRANS SPECIFICATIONS AND STANDARD PLAN.
- ALL SALVAGED EQUIPMENT SHALL BE DELIVERED UNDAMAGED, BY CONTRACTOR, TO THE ORANGE COUNTY YARD AT 1152 EAST FRUIT ST., SANTA ANA, CA. CONTRACTOR SHALL GIVE A 48-HOUR NOTICE TO THE COUNTY PRIOR TO THE DELIVERY DATE.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY TELEPHONE AND ELECTRICAL SERVICE LINES AND INTERCONNECT HOOK-UPS BETWEEN THE LOCAL CONTROLLER AND THE SYSTEM MASTER.
- PEDESTRIAN INDICATIONS SHALL BE L.E.D. INTERNATIONAL SYMBOL AND COUNT DOWN.
- PEDESTRIAN PUSH BUTTONS SHALL BE TYPE B WITH INTERNATIONAL SYMBOL PLATE.
- ALL VEHICLE INDICATIONS SHALL BE L.E.D. 12" DIA. WITH BACKPLATES, UNLESS SHOWN OTHERWISE.
- CONTRACTOR SHALL POTHOLE POLE LOCATIONS AND VERIFY FOUNDATION LOCATIONS AS DIRECTED BY ENGINEER.
- CONTRACTOR SHALL AVOID DAMAGING EXISTING UTILITIES. (SEE SPECIAL PROVISIONS).
- DETECTOR LOOPS SHALL BE CIRCULAR 6' DIAMETER. ALL DETECTOR LOOPS SHALL HAVE FOUR (4) TURNS WITH 9' SPACING, CENTERED IN LANES AND SEAL WITH HOT-MELT RUBBERIZED ASPHALT SEALANT.
- ALL DETECTOR CABLE HOMERUNS SHALL BE IN THE CROSSWALK AREA.
- TRAFFIC CONTROLLER CABINET FOUNDATION SHALL BE 18" ABOVE AND BELOW FINISHED GRADE (SEE DETAIL D).
- INSTALL " CABINET DOOR OPEN" CIRCUIT IN CONTROLLER CABINET PER MANUFACTURE'S SPECIFICATIONS.
- CONCRETE REPLACEMENT TO MATCH EXISTING.
- CONTRACTOR SHALL MAINTAIN TRAFFIC SIGNAL FULL OPERATIONS DURING CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL COMMUNICATION EQUIPMENT SUCH AS MODEM, SWITCHES ETC. AND EXISTING FIBER OPTIC CABLE & I.C. WHEN TRANSFER FROM OLD TO NEW CABINET AND REINSTALL IT TO BE FULLY FUNCTIONAL AS EXISTING STATE.
- HANDLING FIBER OPTIC CABLE SHALL BE BY CERTIFIED FIBER OPTIC TECHNICIAN OR PERSONNEL WHEN REMOVE, RE-USE AND INSTALL FIBER OPTIC.
- ALL WIRING AND EQUIPMENT SHALL BE MARKED (TAGGED) WITHIN THE CONTROLLER CABINET FOR PHASE IDENTIFICATION AND DESIGNATION OF POLE.

DETAIL H

RAISED MEDIAN MARKING

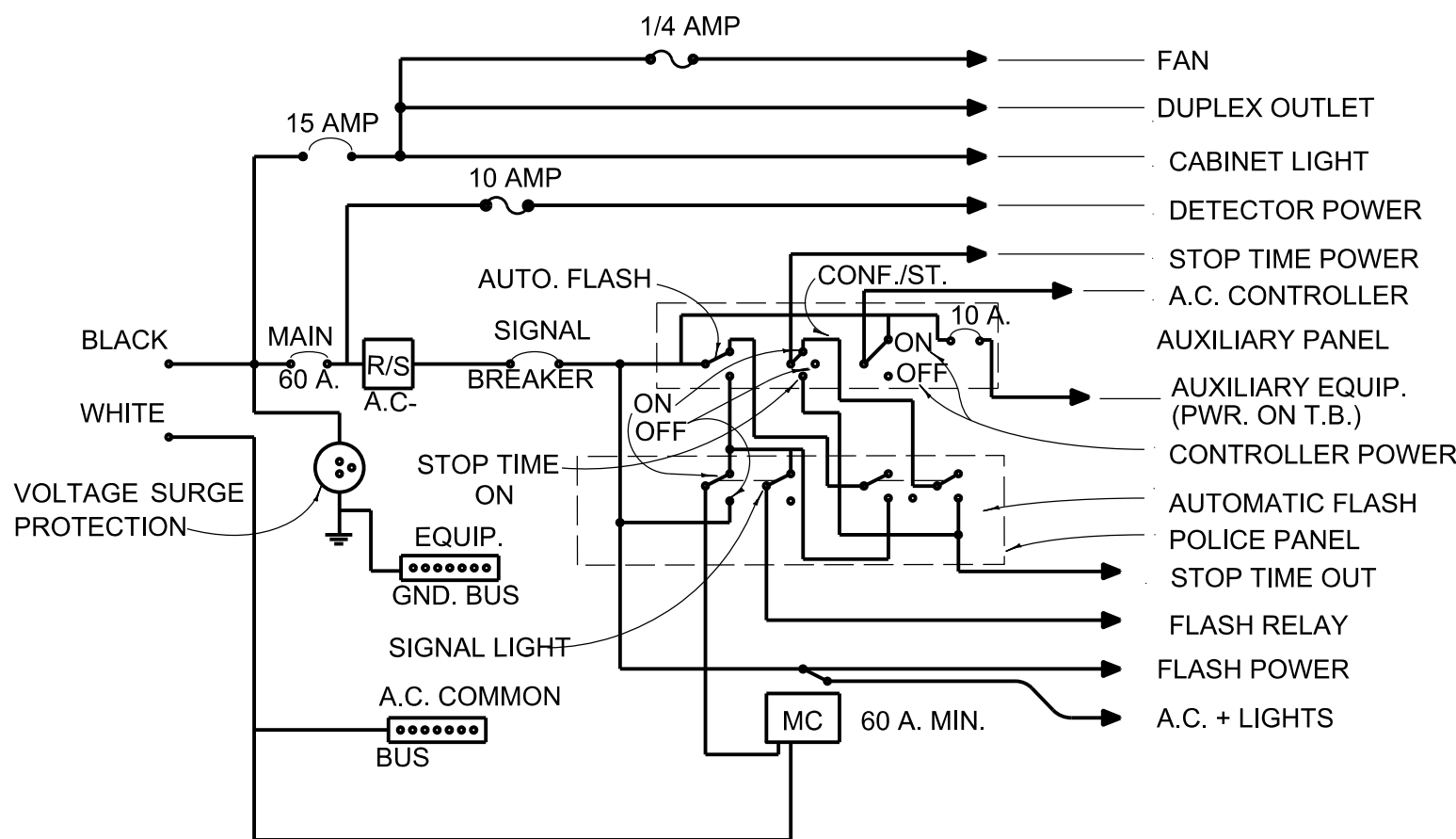


NOTES - DETAIL H

- PAINT MEDIAN NOSE WITH HIGHLY REFLECTIVE PREMIXED YELLOW TRAFFIC PAINT WITH GLASS BEADS.
- INSTALL FLEXIBLE VERTICAL TYPE K MARKER, R7, R10 OR TYPE N-1 ON TELESAR POST AS INDICATED ON PLAN.
- INSTALL YELLOW REFLECTIVE PAVEMENT MARKERS ON TOP SURFACE OF MEDIAN CURB NOSE AT 2' C.C. SPACING (MINIMUM 4 MARKERS). PLACE REFLECTIVE SURFACE OF MARKERS PERPENDICULAR TO C OF ROADWAY.

DETAIL G

CONTROLLER CABINET WIRING



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