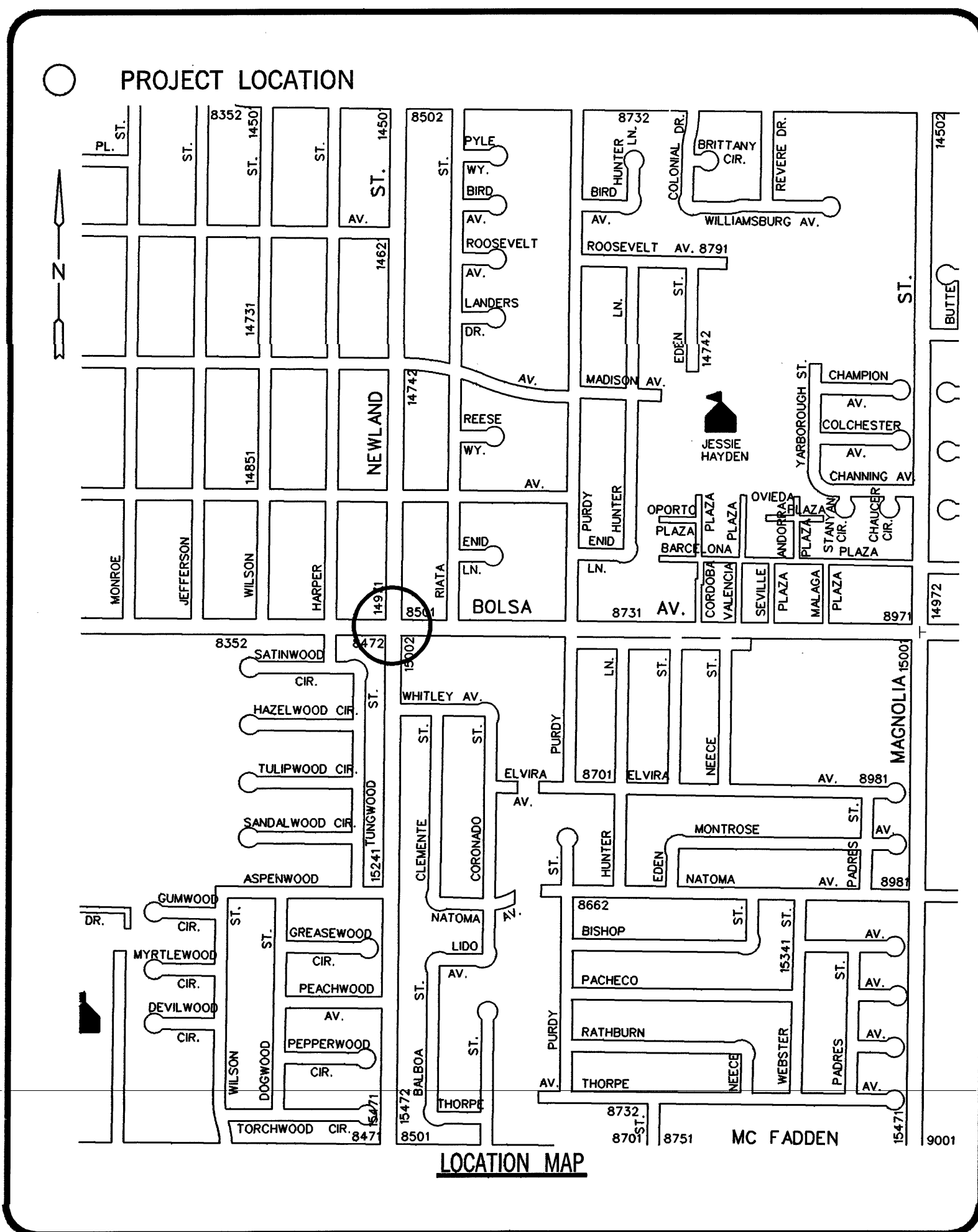
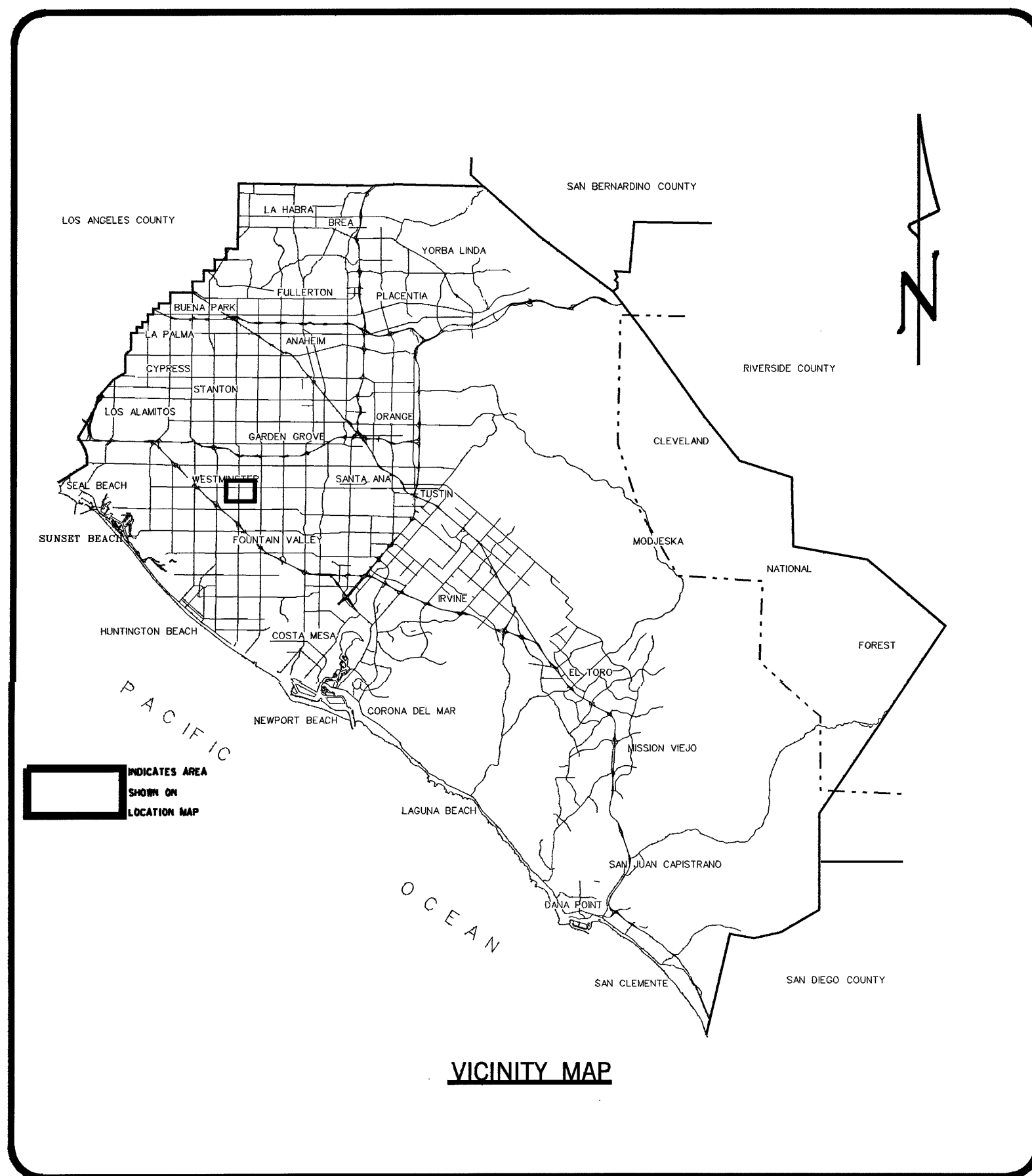




ORANGE COUNTY

PUBLIC FACILITIES & RESOURCES DEPARTMENT

SANTA ANA, CALIFORNIA
JOHN W. SIBLEY, DIRECTOR

PLANS FOR THE MODIFICATION OF
A TRAFFIC SIGNAL
AT

BOLSA AVENUE

AND

NEWLAND STREET

AUGUST 1998

FUNDED BY:

GMA#6

CITY OF WESTMINSTER

APPROVED: *Marwan N. Youssef* 9/8/98
MARWAN N. YOUSSEF
CITY ENGINEER

RECOMMENDED: *[Signature]* 7/27/98
I. G. OCHOA
COUNTY TRAFFIC ENGINEER
RCE 35217 (9-30-98)
RTE 1183 (12-31-99)

APPROVED: *[Signature]* 7/30/98
KENNETH R. SMITH
CHIEF ENGINEER

INDEX OF SHEETS	
SHEET	DESCRIPTION
1	TITLE SHEET
2	SIGNAL MODIFICATION PLAN
3	DETAIL SHEET

UTILITY OWNER	CONTACT	PHONE NO.
CO. SANITATION DISTRICT OF ORANGE CO.	SID KIRK	(714)593-7328
THE GAS COMPANY	JIM BEVANS	(714)634-3041
TIME WARNER COMMUNICATIONS	DAVE DOLNEY	(714)903-8347
GENERAL TELEPHONE	RON JAMES	(714)375-6719
SOUTHERN CALIFORNIA EDISON CO.	STEVE MACHADO	(714)895-0210
MIDWAY CITY SANITARY DISTRICT	STEVE MARISCAL	(714)893-3553
CITY OF WESTMINSTER WATER	GARY HEFFELFINGER	(714)895-2876
USA		1-800-422-4133

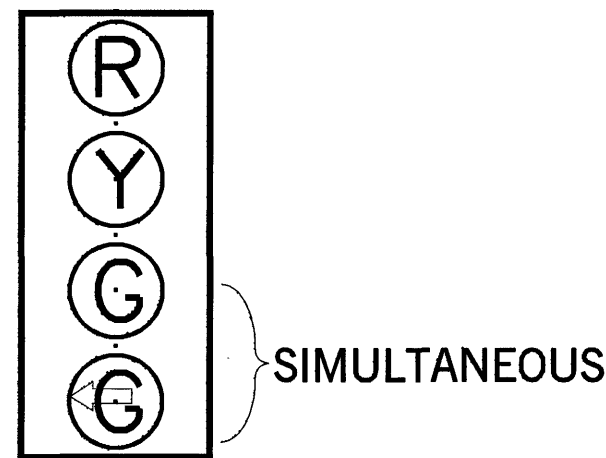
NO.	DESCRIPTION	SHT.	APPROVED	DATE
REVISIONS				

W. O. NO. ER10144

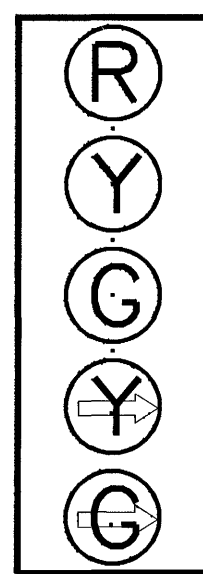
SHEET 1 OF 3

SHEET 1 of 1

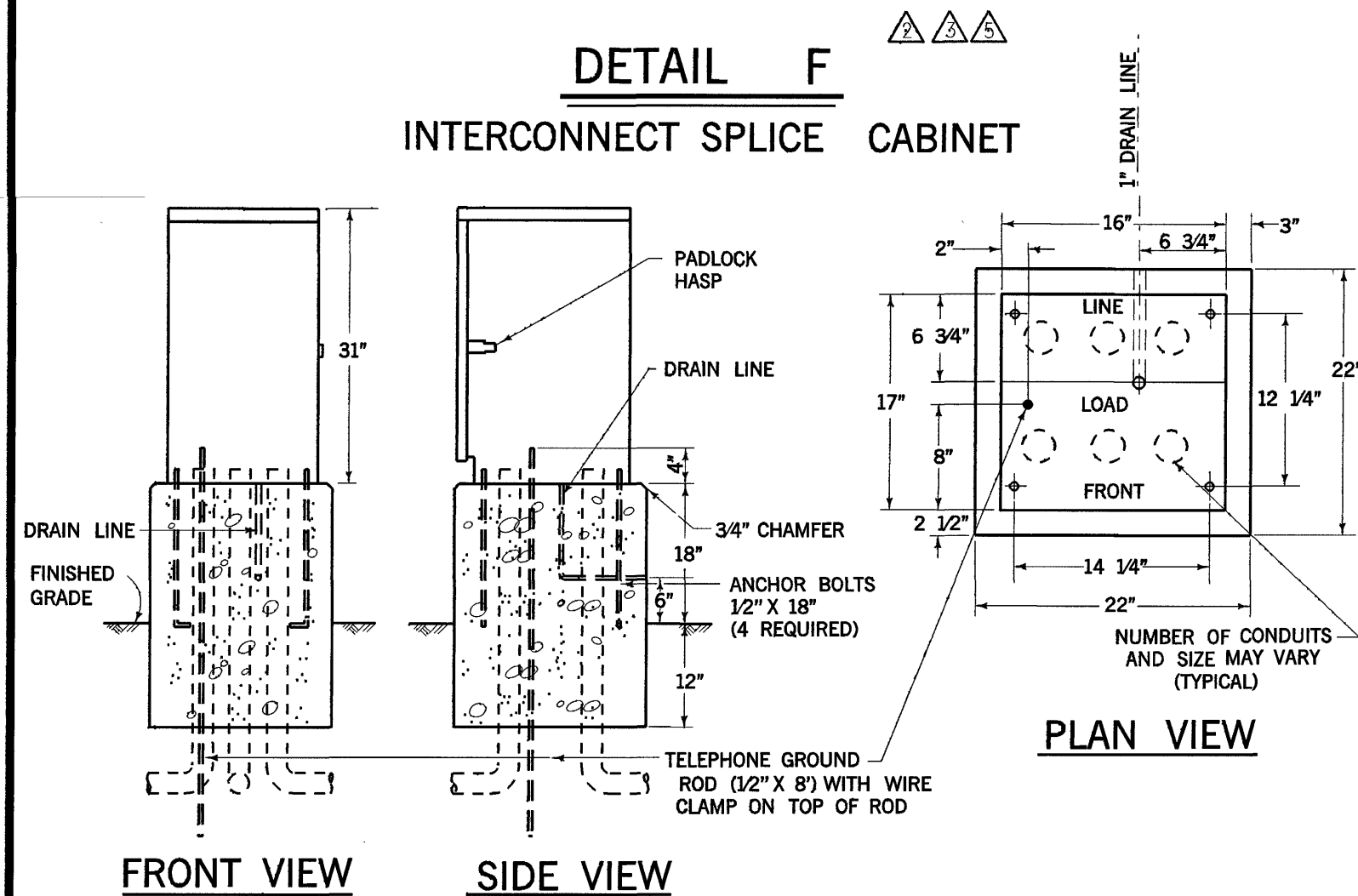
DETAIL A
4-SECTION SIGNAL HEAD
12" LENSES



DETAIL E
5-SECTION SIGNAL HEAD
12" LENSES



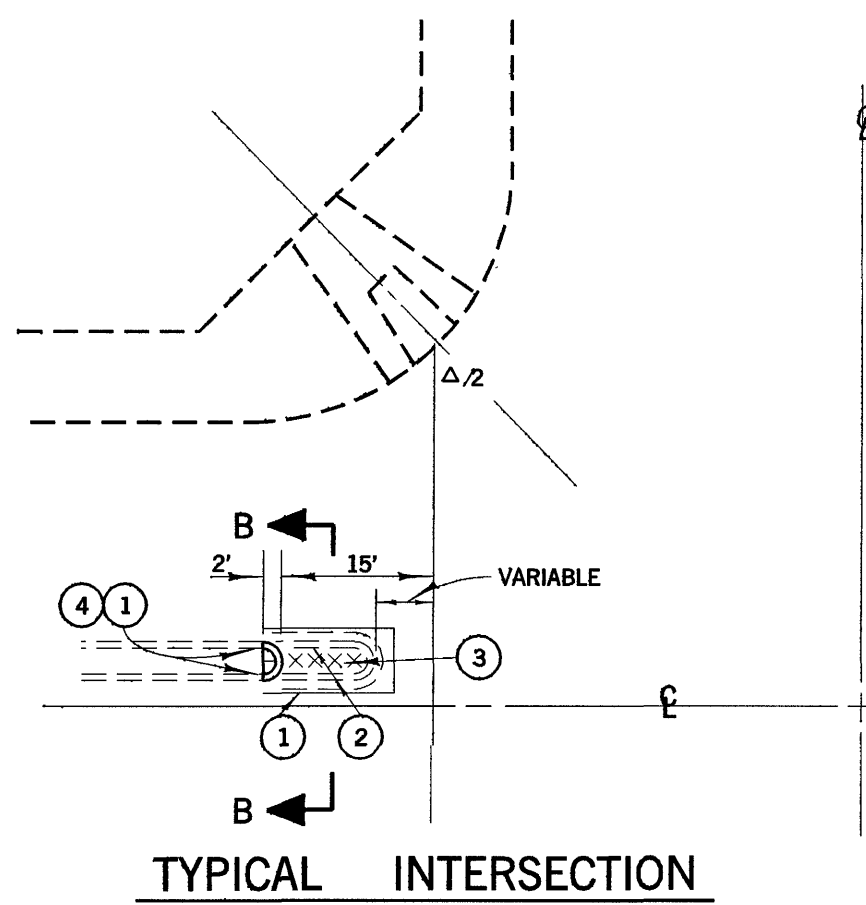
DETAIL F
INTERCONNECT SPICE CABINET



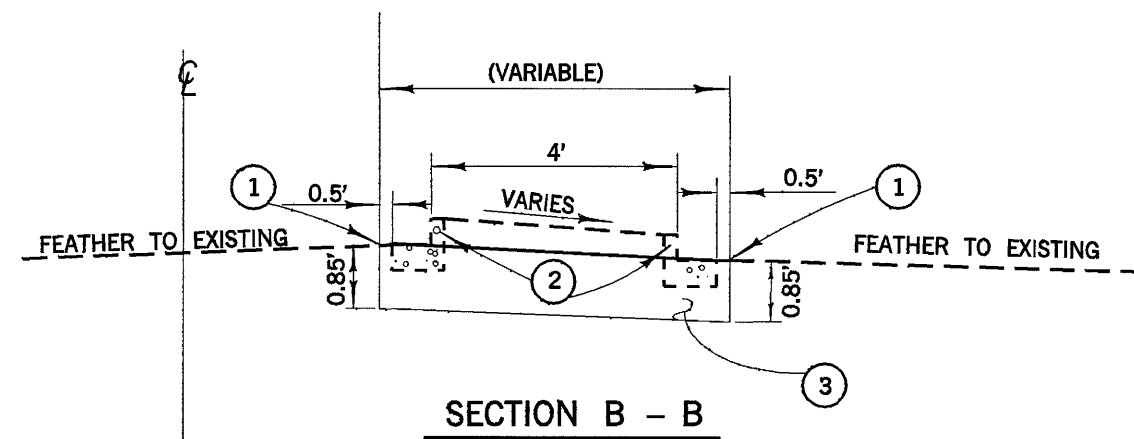
NOTES - DETAIL F

1. FOUNDATION TO BE 22" X 22". ANCHOR BOLT PLACEMENT PER CABINET MFG. TEMPLATE.
2. ENCLOSURE SHALL BE ALUMINUM AND FURNISHED WITH A DETACHABLE MOUNTING BASE.
3. ALL FACTORY INSTALLED COMPONENTS SHALL BE U.L. LISTED OR PER PUBLISHED N.E.C. STANDARDS.
4. A 34" 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.
5. 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 6409 G SERIES OR APPROVED EQUAL ANTI-GRAFFITI PAINT SHALL BE APPLIED TO CABINET AT THE TIME OF MANUFACTURE.
6. PROVIDE 1 1/2" CONDUIT FOR FUTURE 115 VAC SERVICE.
7. PROVIDE GROUND BUS INSIDE SPICE CABINET.

DETAIL B
INTERSECTIONS RAISED MEDIAN



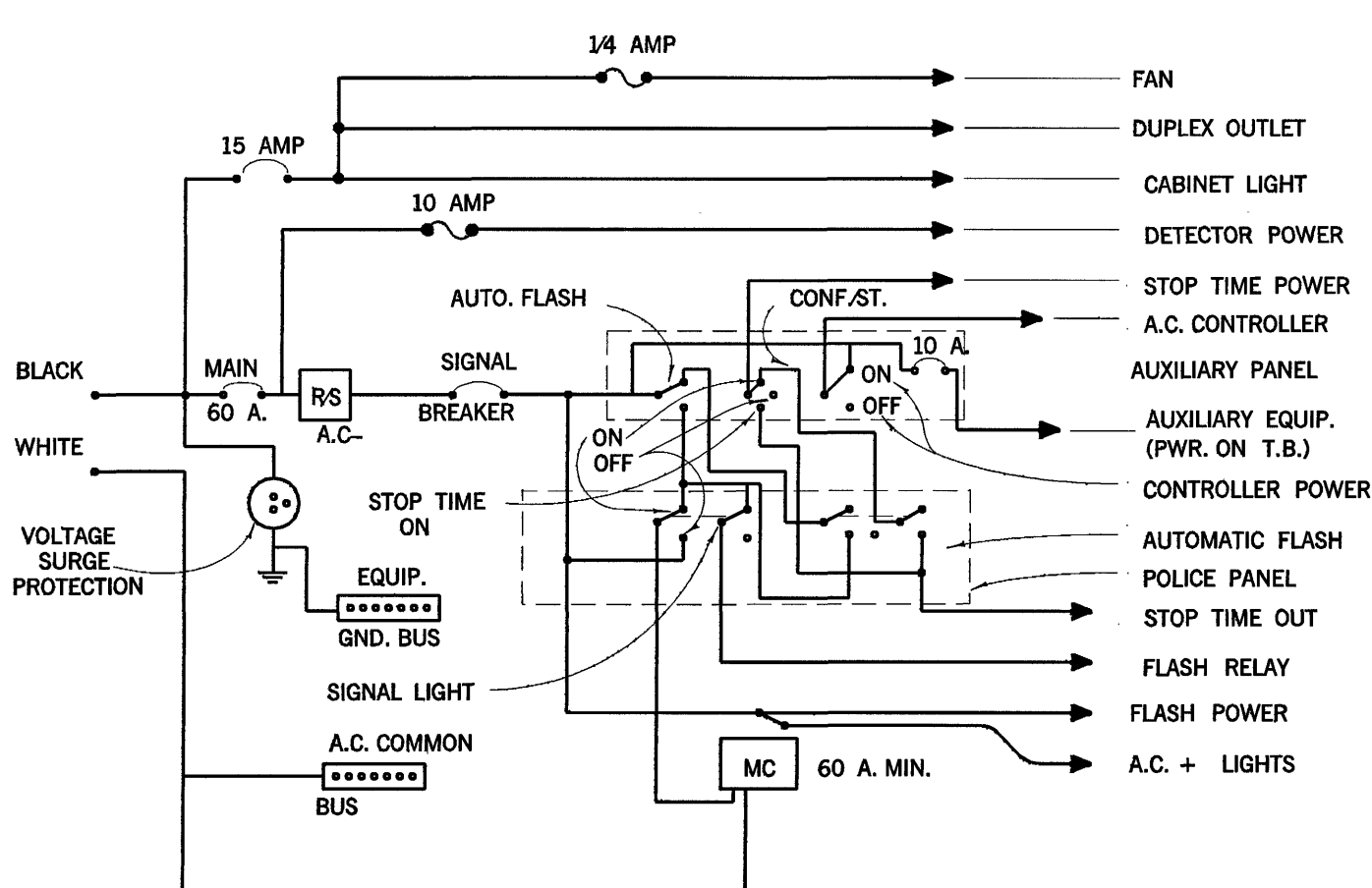
TYPICAL INTERSECTION



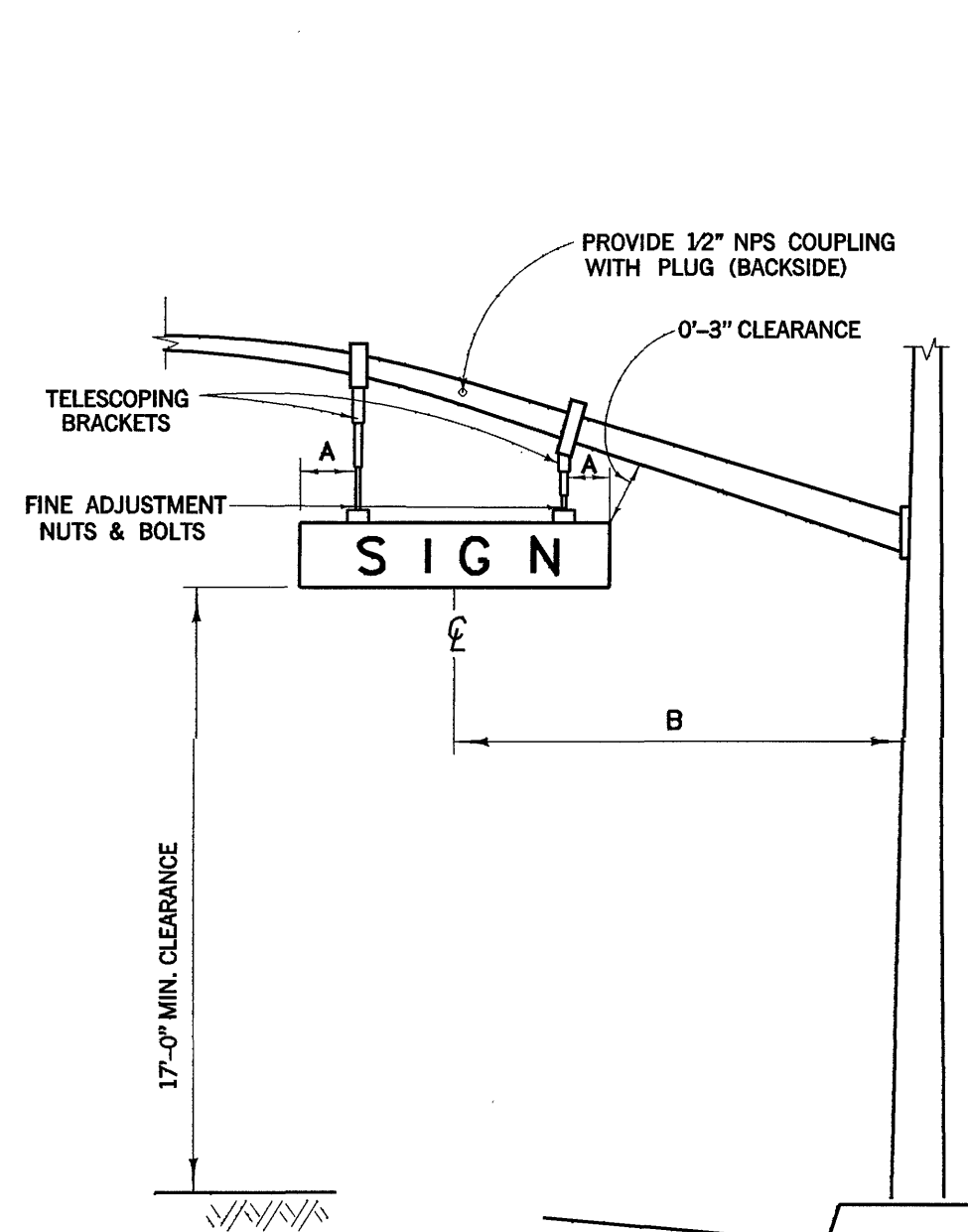
NOTES - DETAILS B

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

DETAIL G
CONTROLLER CABINET WIRING



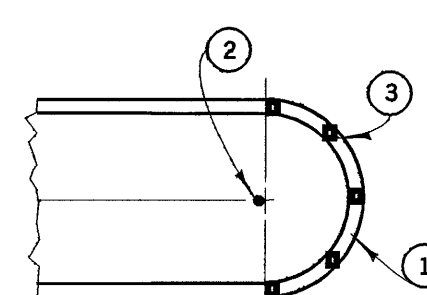
DETAIL C
REFLECTORIZED STREET NAME SIGN COMPONENTS



NOTES - DETAIL C

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

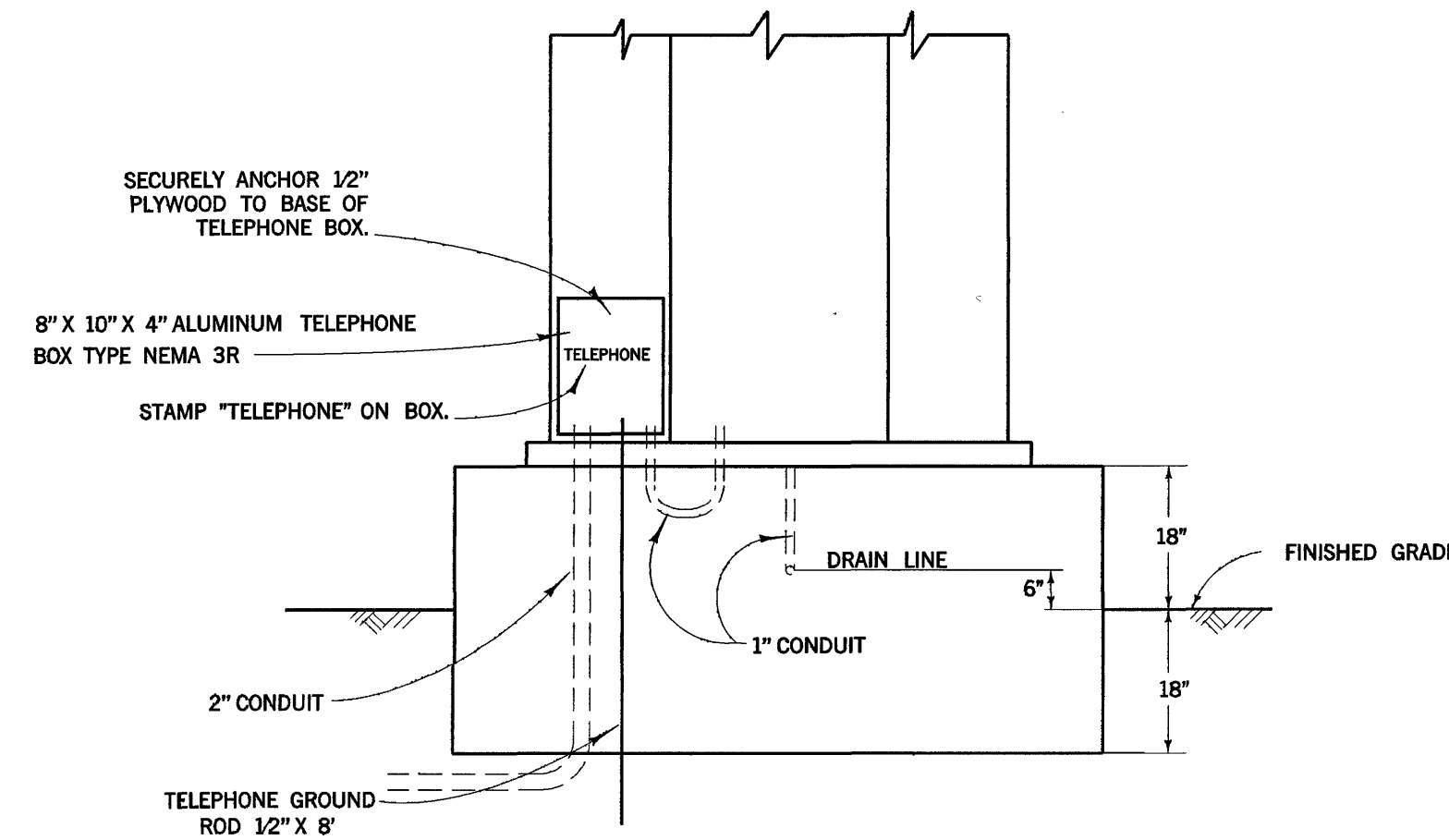
DETAIL H
RAISED MEDIAN MARKING



NOTES - DETAIL H

1. PAINT MEDIAN NOSE WITH HIGHLY REFLECTIVE PREMIXED WHITE TRAFFIC PAINT WITH GLASS BEADS.
2. INSTALL FLEXIBLE VERTICAL TYPE K MARKER, R7, R10 OR TYPE N-1 ON TELESAR POST AS INDICATED ON PLAN.
3. INSTALL YELLOW REFLECTIVE PAVEMENT MARKERS ON TOP SURFACE OF MEDIAN CURB NOSE AT 2'C.C. SPACING (MINIMUM 5 MARKERS). PLACE REFLECTIVE SURFACE OF MARKERS PERPENDICULAR TO C OF ROADWAY.

DETAIL D
TELEPHONE SERVICE BOX



GENERAL NOTES :

1. ALL WORK, MATERIALS AND EQUIPMENT SHALL CONFORM TO THE REQUIREMENTS OF THE CALIFORNIA, DEPARTMENT OF TRANSPORTATION, STANDARD PLANS DATED JULY 1997 AND STANDARD SPECIFICATIONS DATED JULY 1995 AND THE SPECIAL PROVISIONS FOR THIS PROJECT.
2. 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 DAMAGE SUCH FACILITIES OR INTERFERE WITH THEIR SERVICE.
3. 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL CONTACT ORANGE COUNTY PUBLIC FACILITIES & RESOURCES DEPARTMENT FOR INSPECTION AT 567-7800.
4. THE ENGINEER SHALL APPROVE POLE AND LOOP DETECTION PLACEMENT IN THE FIELD PRIOR TO INSTALLATION.
5. ALL CONDUITS SHALL BE 2" UNLESS OTHERWISE NOTED.
6. ALL PULL BOXES SHALL BE #5 UNLESS OTHERWISE NOTED.
7. 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.
8. CONTRACTOR SHALL PROVIDE ALL NECESSARY TELEPHONE AND ELECTRICAL SERVICE LINES AND INTERCONNECT HOOK-UPS BETWEEN THE LOCAL CONTROLLER AND THE SYSTEM MASTER.
9. PEDESTRIAN INDICATIONS SHALL BE INTERNATIONAL SYMBOL.
10. PEDESTRIAN PUSH BUTTONS SHALL BE TYPE B WITH INTERNATIONAL SYMBOL PLATE.
11. ALL VEHICLE INDICATIONS SHALL BE 12" DIAMETER WITH BACKPLATES, GLASS REFLECTORS, AND GLASS LENSES, UNLESS SHOWN OTHERWISE.
12. CONTRACTOR SHALL POTHOLE CONFLICTING UTILITIES AS DIRECTED BY ENGINEER.
13. CONTRACTOR SHALL AVOID DAMAGING EXISTING UTILITIES. (SEE SPECIAL PROVISIONS).
14. DETECTOR LOOPS SHALL BE CIRCULAR 6' DIAMETER WITH 9' SPACING IN THE DIRECTION OF TRAVEL UNLESS OTHERWISE NOTED.
15. ALL DETECTOR CABLE HOMERUNS SHALL BE IN THE CROSSWALK AREA.
16. ALL DETECTOR LOOPS SHALL HAVE FOUR (4) TURNS.
17. ALL QUADRUPOLE DETECTOR LOOPS SHALL BE TWO (2-4-2) TURNS.
18. TRAFFIC CONTROLLER CABINET FOUNDATION SHALL BE 18" ABOVE AND BELOW FINISHED GRADE (SEE DETAIL D).
19. INSTALL "CABINET DOOR OPEN" CIRCUIT IN CONTROLLER CABINET PER MANUFACTURE'S SPECIFICATIONS.
20. CONCRETE REPLACEMENT TO MATCH EXISTINGS.

▲ ▲ ▲ ▲ ▲ ▲ ▲		3-29-88 4-4-88 12-8-88 11-18-9 6-7-93 1-1-97 3-4-97	ADDED NOTE 16. DELETED TYPE II SERVICE. ADDED INTERCONNECT SPICE CABINET. MODIFIED INTERCONNECT SPICE CABINET. MODIFIED CONTROLLER CABINET WIRING. MODIFIED INTERCONNECT SPICE CABINET. MODIFIED OVERHEAD STREET NAME SIGN. MODIFIED DETECTOR LOOP NOTES.	ORANGE COUNTY PUBLIC FACILITIES & RESOURCES DEPARTMENT	
				SIGNAL DETAIL SHEET	
MARK	DATE	DESCRIPTION		PREPARED UNDER SUPERVISION OF	SHEET
REVISIONS				DATE	3 OF 3
DESIGNED				SCALE	
DRAWN				DATE AUG. 98	
CHECKED				W. O. NO. ER10144	