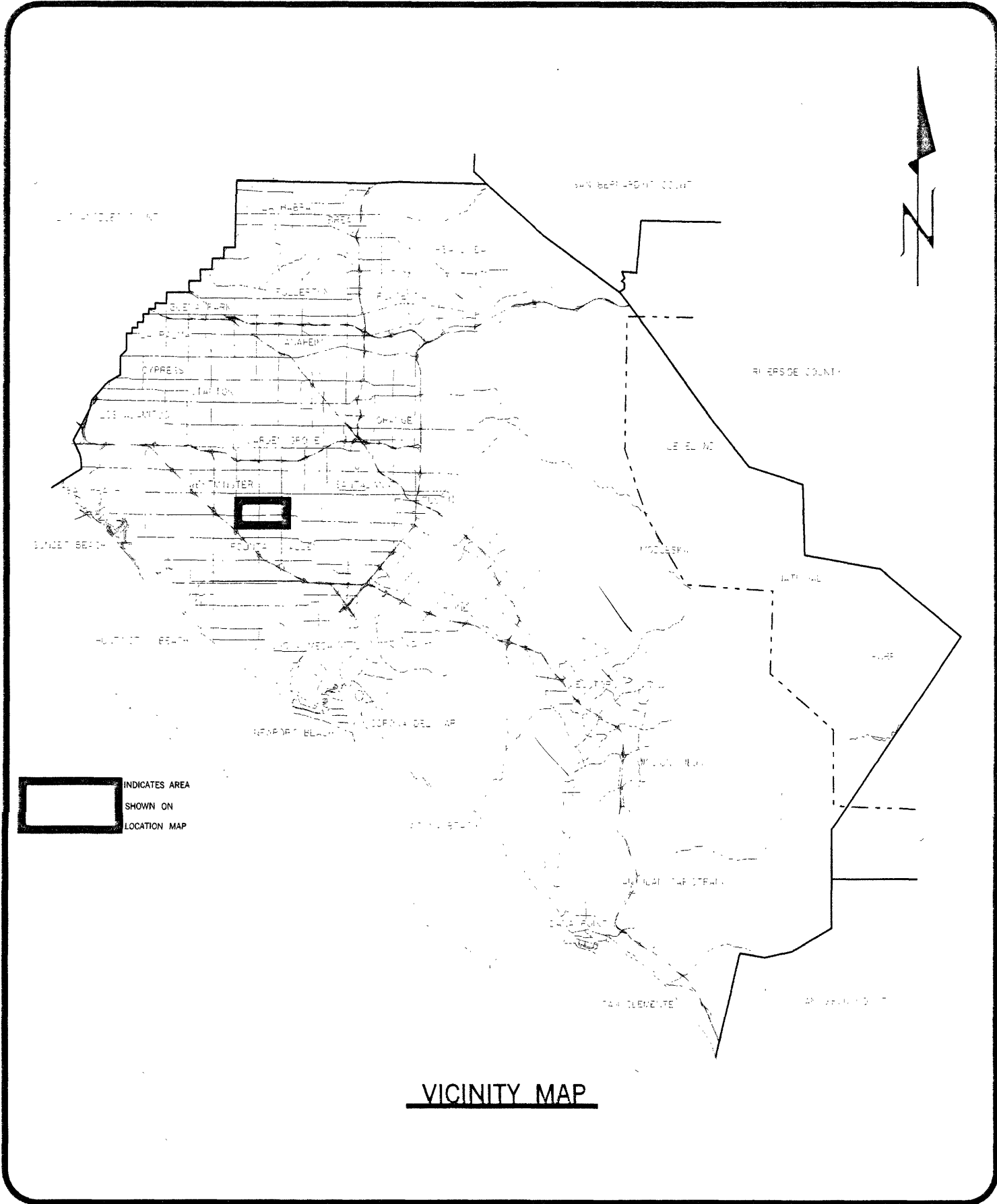
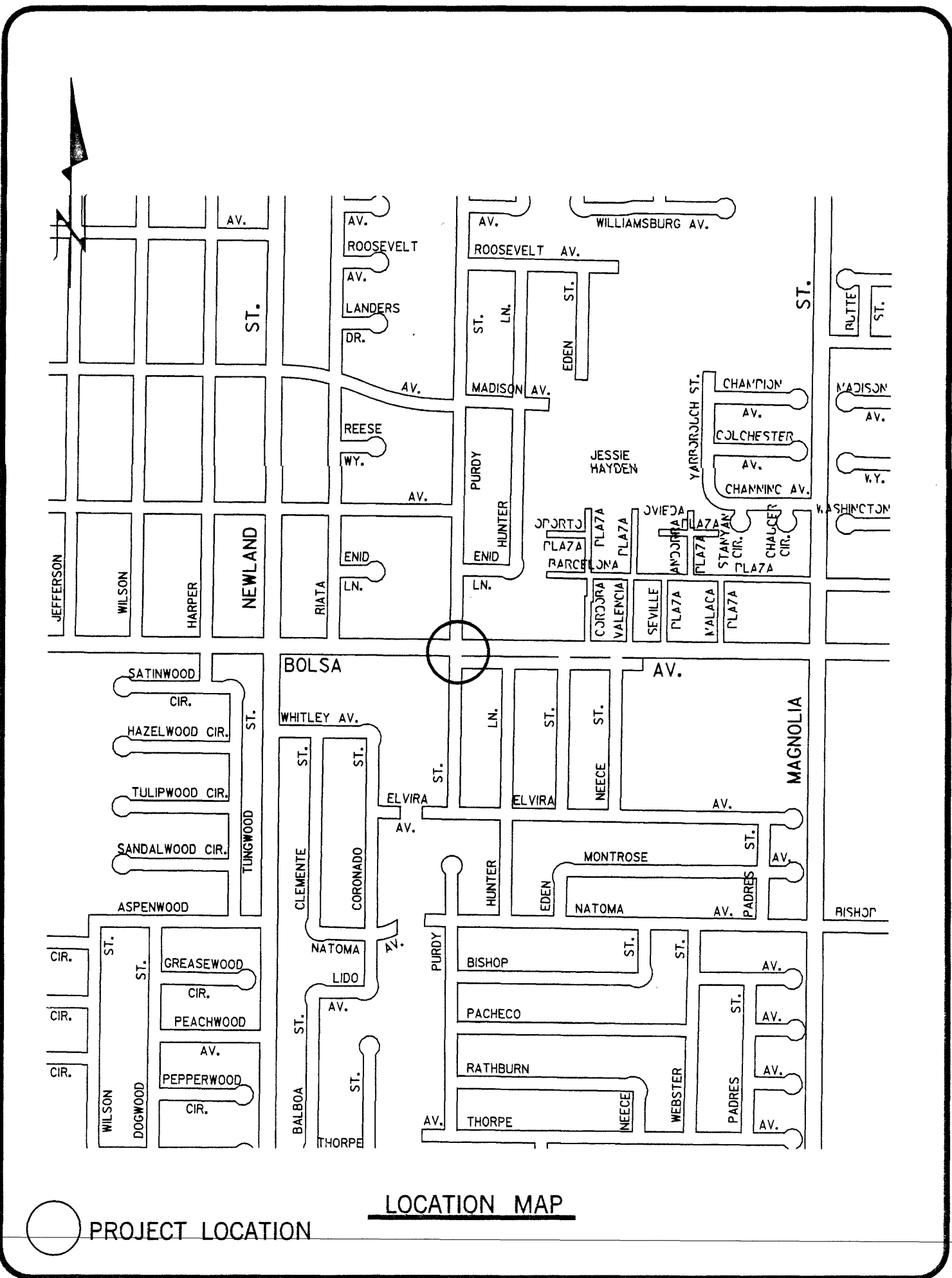




VICINITY MAP



LOCATION MAP

ORANGE COUNTY
PUBLIC FACILITIES AND RESOURCES DEPARTMENT

SANTA ANA, CALIFORNIA
VICKI L. WILSON, DIRECTOR

PLANS FOR CONSTRUCTION OF
A TRAFFIC SIGNAL
AT

BOLSA AVENUE

AT

PURDY STREET

DECEMBER 1999

FUNDED BY: ROAD AND MEASURE M FUNDS

CITY OF WESTMINSTER

APPROVED: *Marwan Youssef* 11/8/99
MARWAN N. YOUSSEF RCE 44281 DATE

PUBLIC FACILITIES & RESOURCES DEPARTMENT

PREPARED: *Larry L. L...* 11/3/99
LARRY L. L... SUPERVISOR
TRAFFIC ENGINEERING - DESIGN SECTION
RCE 59374 DATE

RECOMMENDED: *I. G. Ochoa* 11/3/99
I. G. OCHOA
COUNTY TRAFFIC ENGINEER
RCE 35217 DATE

APPROVED: *Kenneth R. Smith* 11/3/99
KENNETH R. SMITH
CHIEF ENGINEER DATE

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

UTILITY OWNER	PHONE NO.	CONTACT
USA		800 422-4133
THE GAS CO.	RON REED	634-3120
PARAGON CABLE	MIKE BOGNER	895-6886 x216
GENERAL TELEPHONE	JAN LAFEVER	373-2623
CITY OF WESTMINSTER	RAY WARE	898-3311 x215
SOUTHERN CALIFORNIA EDISON CO.	CLAUDE LEBAW	895-0218
CO. SANITATION DIST. OF ORANGE CO.	DON CRAPNELL	962-2411 x5156

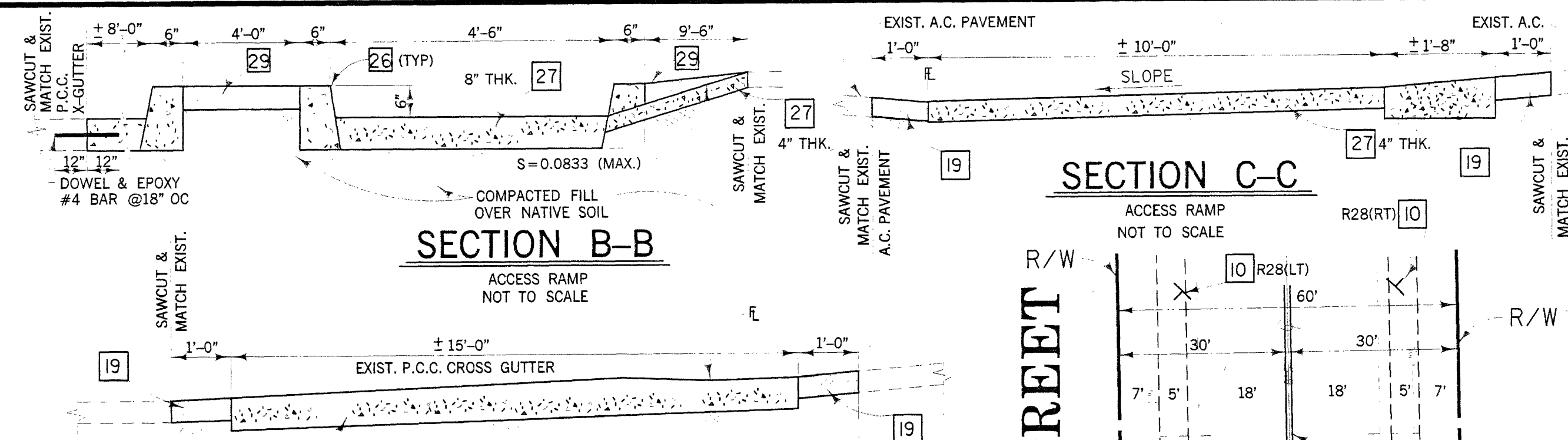
NO.	DESCRIPTION	SHT.	APPROVED	DATE
REVISIONS				

W. O. NO. ER10107
DWG. NO.

SHEET 1 OF 3

Bolsa @ Purdy

Bolsa @ Purdy

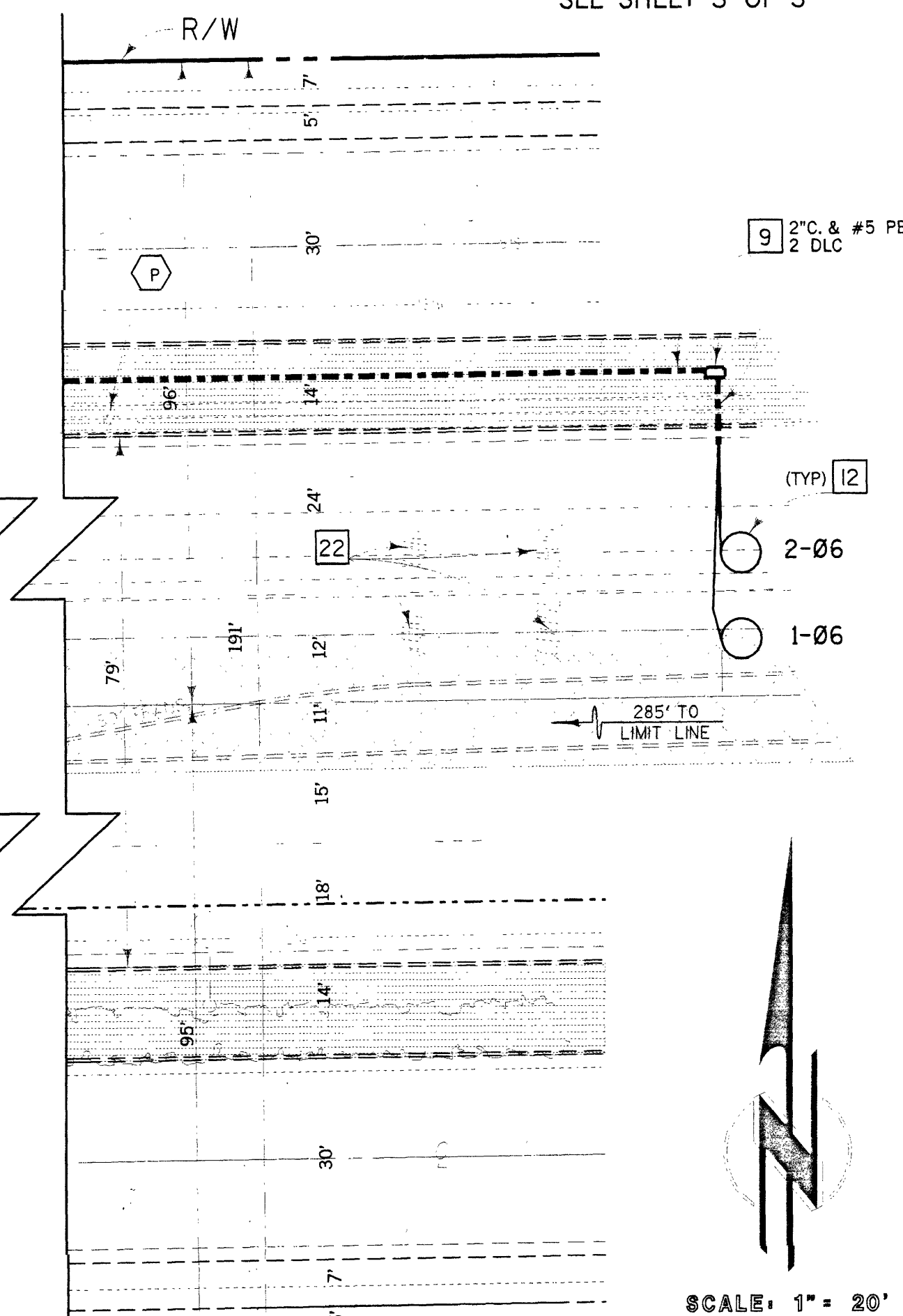
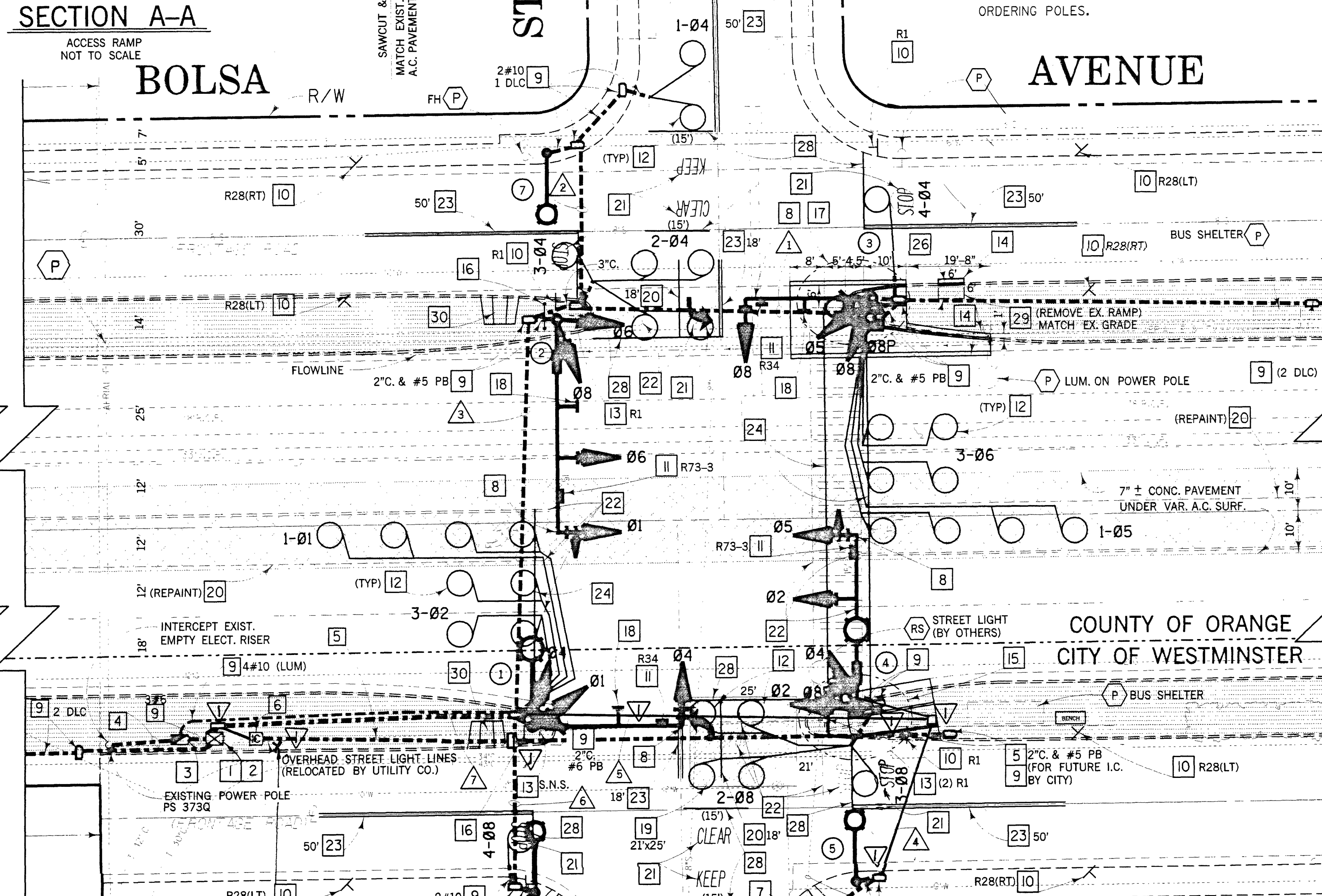


EXACT POLE LOCATIONS DETERMINED BY ENGINEER IN THE FIELD. * ROTATE LUMINAIRE ARM 90° C = C.I.D.H.
 POT HOLE MAST ARM POLE FOUNDATION LOCATIONS PRIOR TO COUNTER CLOCKWISE TO MASTARM S = SQUARE.
 ORDERING POLES. * * PROVIDE & INSTALL EXTERIOR MOUNTED GLARE SHIELD. **GENERAL NOTES:**

SECTION A-A

ACCESS RAMP
NOT TO SCALE

DETAIL "N"
PLAN
NOT TO SCALE



SCALE: 1" = 20'

LEGEND

 PROTECT IN PLACE
 REMOVE & SALVAGE
 ASPHALT CONCRETE
 EXISTING CONCRETE PAVEMENT
 UNDER ASPHALT CONCRETE

PLAN
DETAIL "M"
NOT TO SCALE

27 - CONSTRUCT CONCRETE PAD.
28 - PAINT 12" SOLID WHITE.
29 - CONSTRUCT 4" THICK AC PAVEMENT.
30 - CONSTRUCT CURB RAMP TYPE 3 PER PFRD
STANDARD PLAN 1115.

9	1	EVP
	2	EVP
10	3	EVP
	4	EVP

☒ - DETECTOR LOOP LOCATIONS SHALL BE APPROVED BY ENGINEER IN FIELD PRIOR TO INSTALLATION. ALL DETECTOR UNITS SHALL BE RACK MOUNTED, DUAL CHANNEL, DUAL OUTPUT PER CHANNEL WITH INTEGRAL COLORGATED EXTENSION AND DELAY CAPABILITY. OUTPUT "A" SHALL BE TIMED. OUTPUT "B" SHALL BE PRESENCE MODE FOR SYSTEM SAMPLING ONLY.

(th) = SYSTEM SAMPLER NUMBER.
 * = SET 5 SECONDS DELAY.

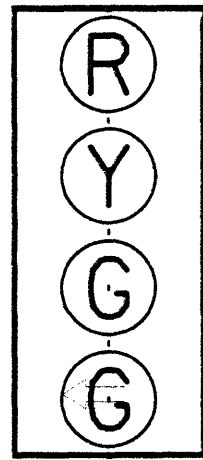
CONTRACTOR : LA SIGNAL
Superintendent : VICTOR —
Inst. Insp. : JOHN DELSIGNE
Ver. Insp. : BOB PARSONS
TURN-ON DATE : 11-8-00

BOLSA AVENUE
AT
PURDY STREET

MARK	DATE	DESCRIPTION	PREPARED UNDER SUPERVISION OF	SCALE	DATE	ERIO107	SHEET 2
REVISONS							
DESIGNED T. PHAM/L. ABAD							
DRAWN T. PHAM			CHECKED L. ABAD	AS SHOWN	DEC. 99		OF 3

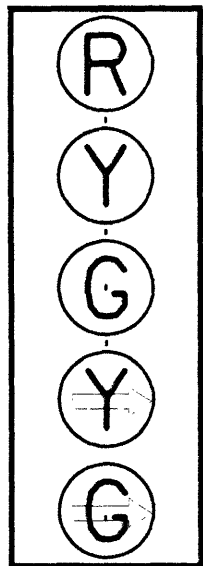
EP-74
B150.3
EAST FILE CORP. IRVINE, CA

DETAIL A
4-SECTION SIGNAL HEAD
12" LENSES



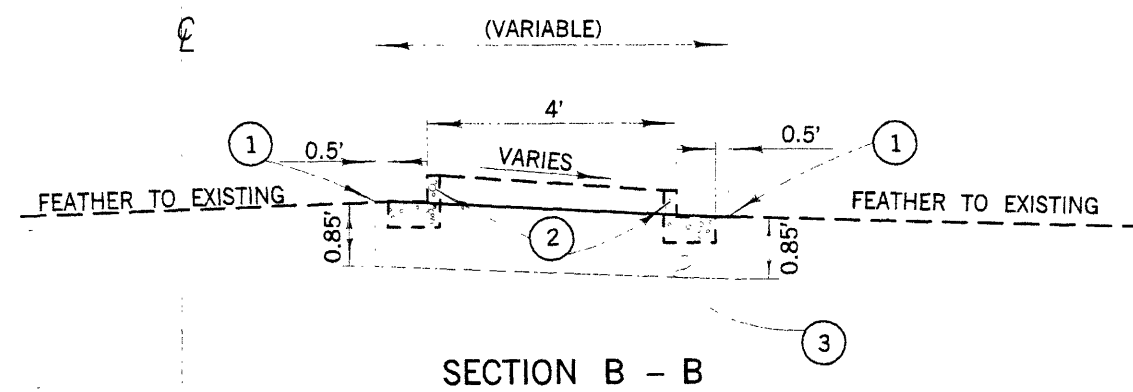
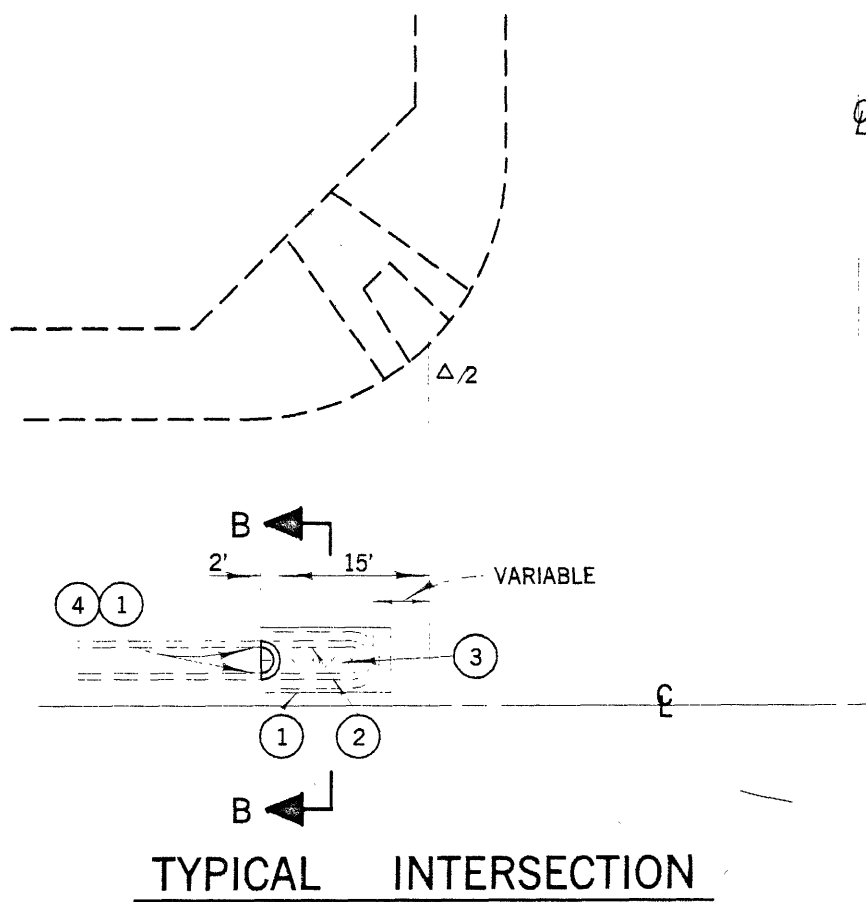
SIMULTANEOUS

DETAIL E
5-SECTION SIGNAL HEAD
12" LENSES



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

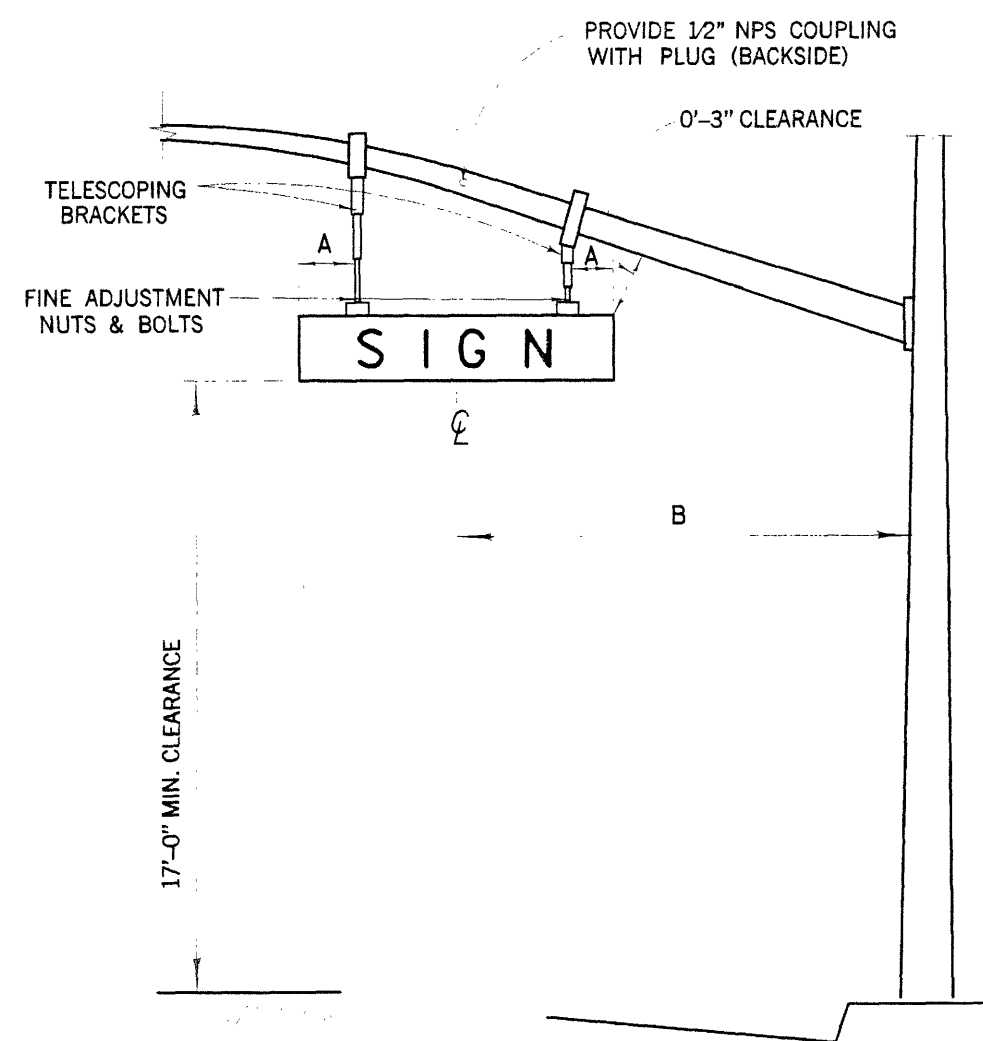
DETAIL B
INTERSECTIONS RAISED MEDIAN



NOTES - DETAILS B

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

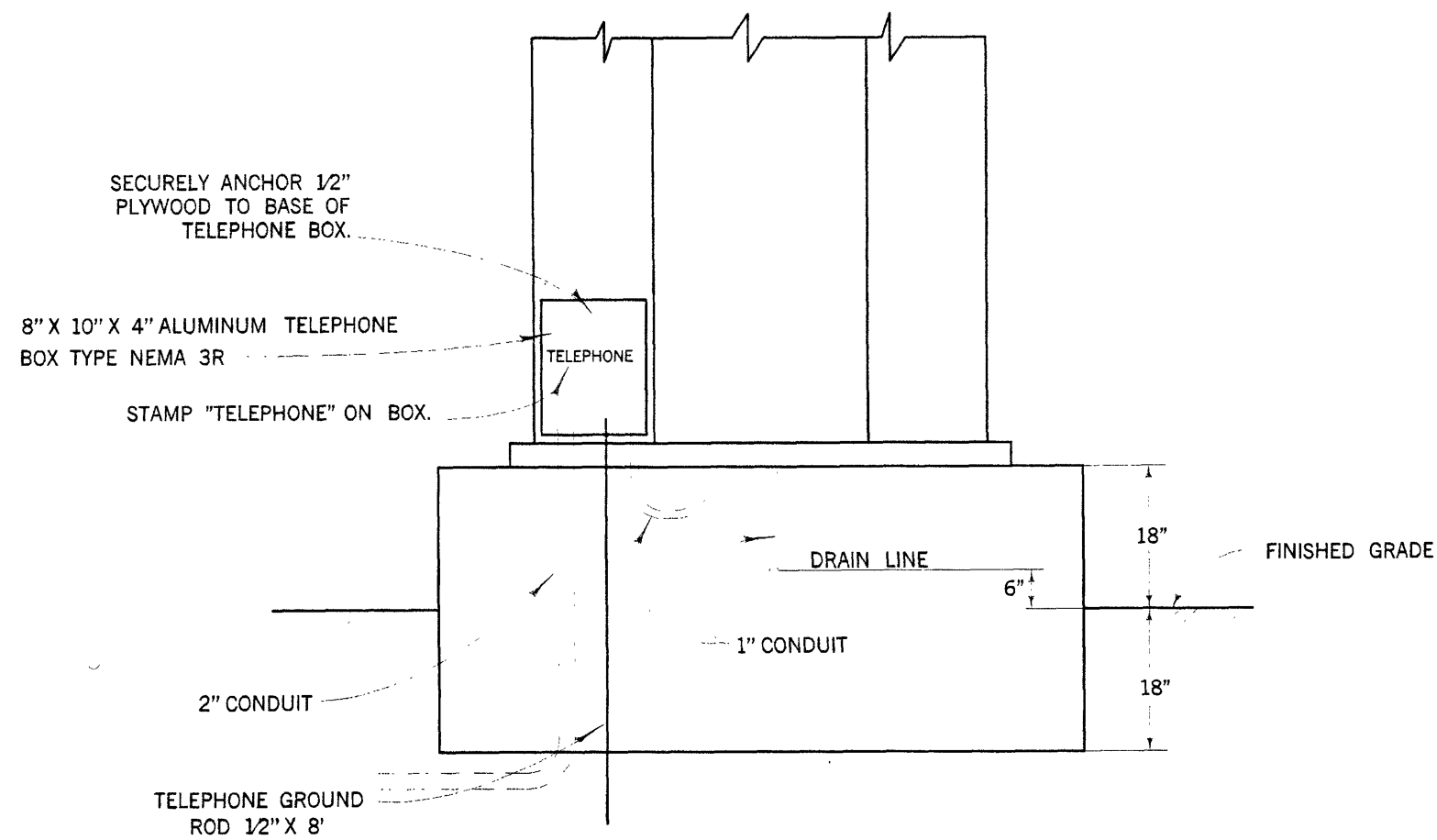
DETAIL C
REFLECTORIZED STREET NAME SIGN COMPONENTS



NOTES - DETAIL C

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

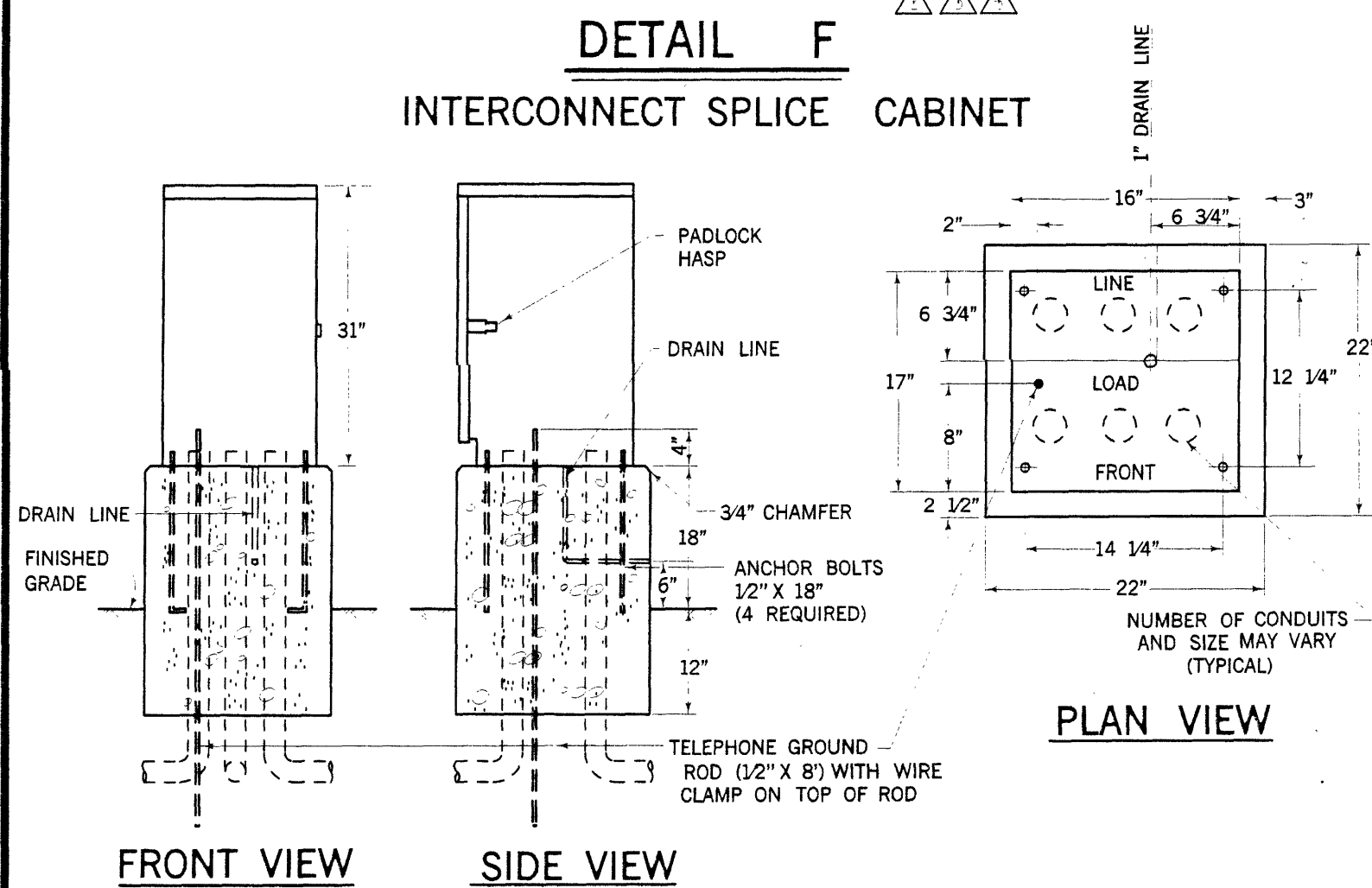
DETAIL D
TELEPHONE SERVICE BOX



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 EXISTING.

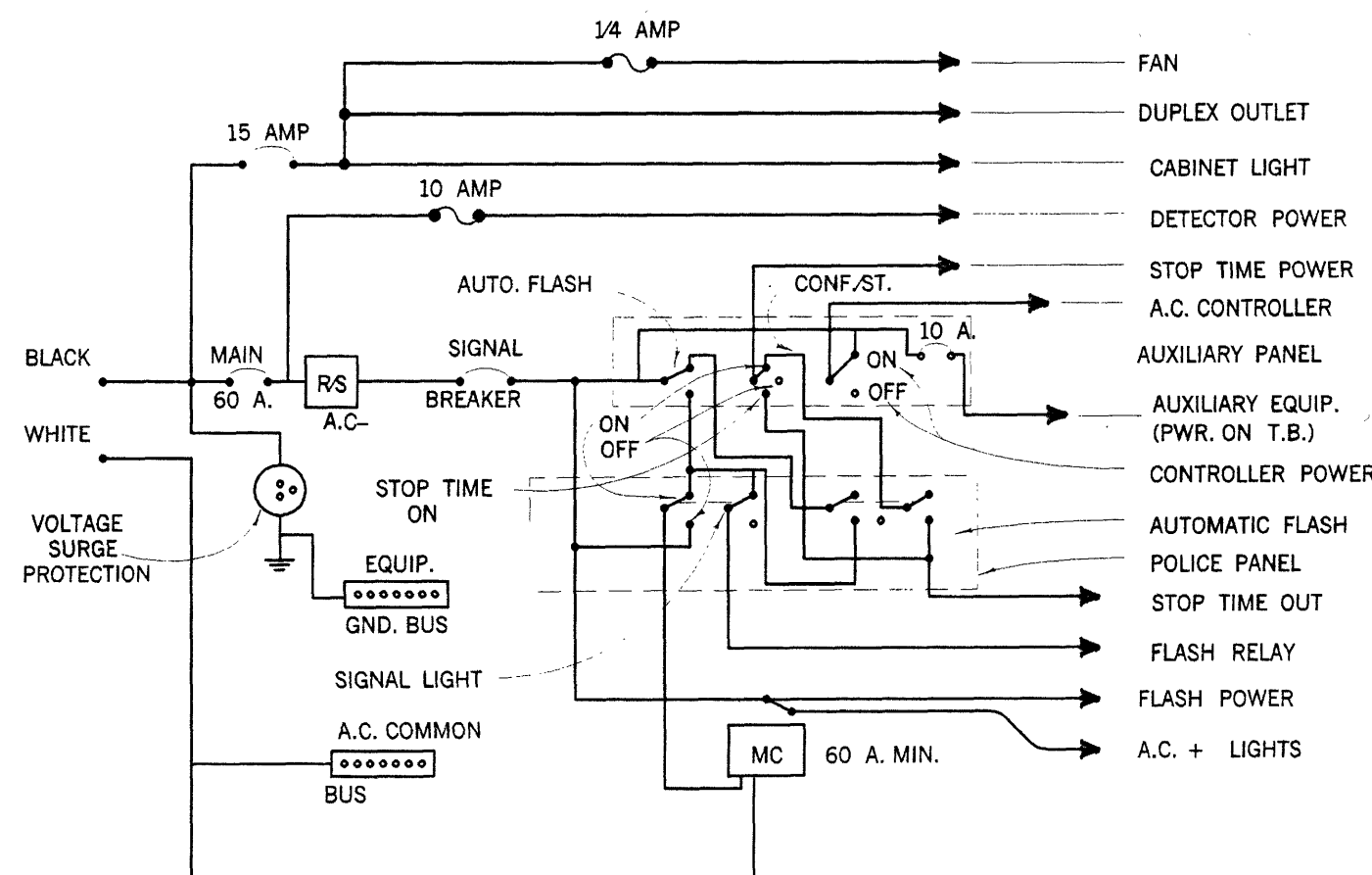
DETAIL F
INTERCONNECT SPICE CABINET



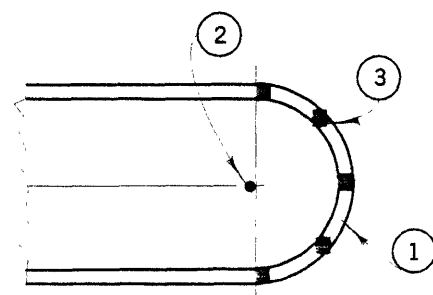
NOTES - DETAIL F

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 3/4" CONSTRUCTION GRADE PLYWOOD PANEL SHALL BE FASTENED TO THE REAR WALL. PANEL SHALL BE 12" X 24" AND SHALL HAVE A No. M-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 G
CONTROLLER CABINET WIRING



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 TELES PAR 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.

ORANGE COUNTY PUBLIC FACILITIES & RESOURCES DEPARTMENT		SIGNAL DETAIL SHEET	
7-09-92	ADDED NOTE 16.	PREPARED UNDER	SHEET
4-4-93	DELETED NOTE 16.	SUPERVISION OF	3
3-8-93	ADDED INTERCONNECT SPICE CABINET.	DATE	OF 3
1-2-95	MODIFIED INTERCONNECT SPICE CABINET.	SCALE	
8-7-95	MODIFIED INTERCONNECT SPICE CABINET.	DATE	
1-4-97	MODIFIED OVERHEAD STREET NAME SIGN.	W.O. NO.	
3-4-97	MODIFIED DETECTOR LOOP NOTED.	ERIC07	
3-2-98	ADDED NOTE 16, DETAIL E	NOT TO SCALE	
MARK	DATE	DESCRIPTION	
REVISIONS			
DESIGNED			
DRAWN		CHECKED	