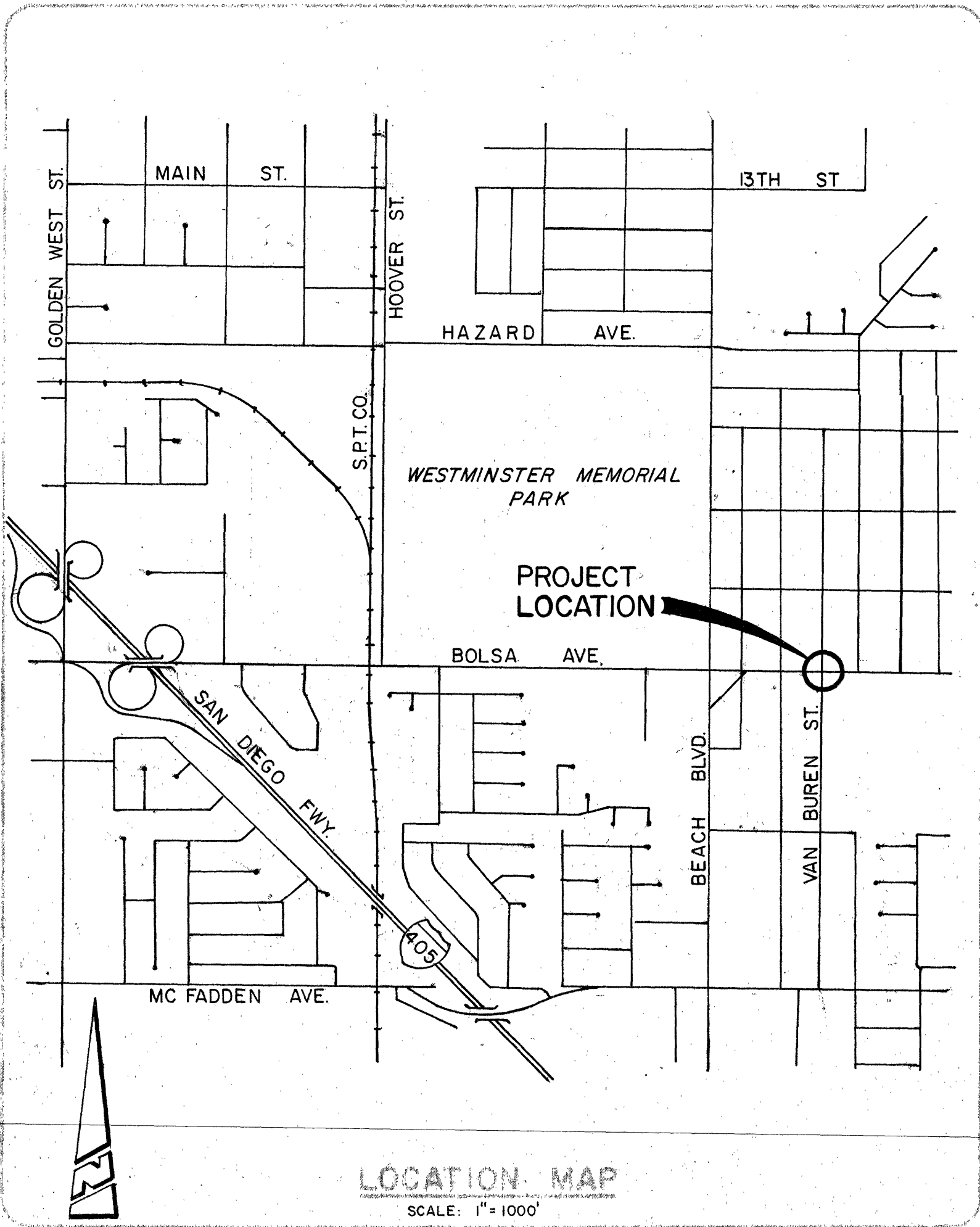
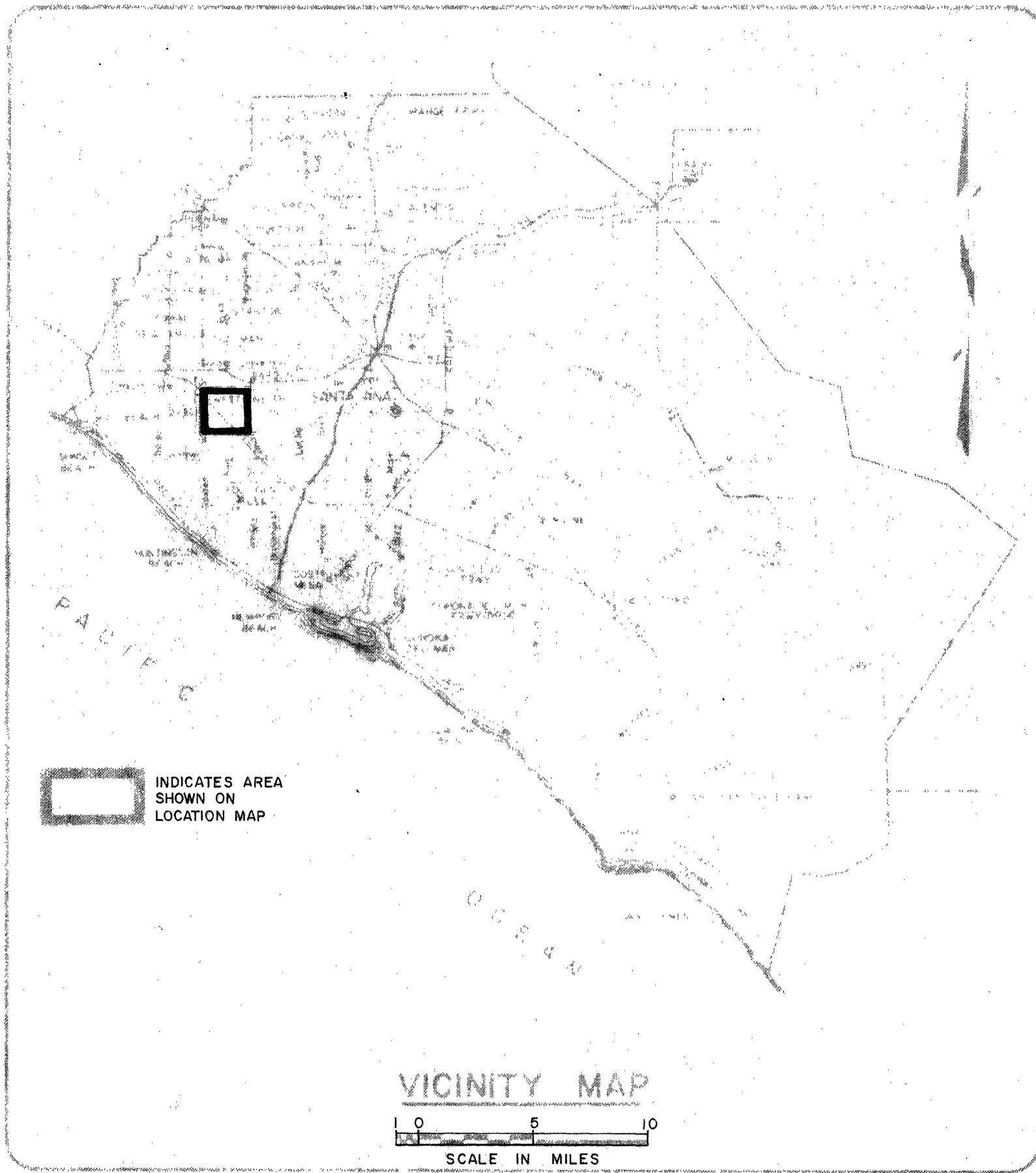


DRAWING NUMBER
VAN BUREN

DRAWING NUMBER
B180.1

DRAWING NUMBER

DRAWING NUMBER

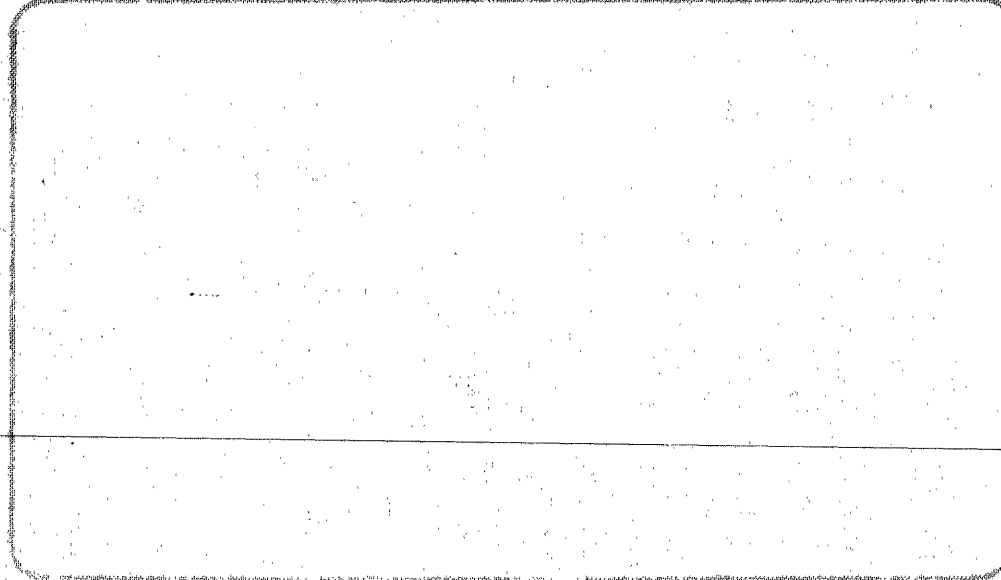


ORANGE COUNTY
ENVIRONMENTAL MANAGEMENT AGENCY
SANTA ANA, CALIFORNIA
H.G.OSBORNE, DIRECTOR

PLANS FOR CONSTRUCTION OF

TRAFFIC SIGNALS
AT THE INTERSECTION OF
BOLSA AVENUE
AND
VAN BUREN STREET

FUNDED BY: HIGHWAY USERS TAX



EMA-DEVELOPMENT

SUBMITTED: SECTION CHIEF R.C.E. 12169

RECOMMENDED: DIVISION MANAGER RCE 14718

APPROVED: ASSISTANT DIRECTOR RCE 13142

PLANS PREPARED BY:

Warren C. Siecke
WARREN C. SIECKE R.C.E. 18707

2/1/77
DATE

INDEX OF SHEETS	
SHEET	DESCRIPTION
1	TITLE SHEET
2	BOLSA AVENUE & VAN BUREN STREET INTERSECTION PLAN
3	DETAILS

UTILITY	PHONE NO.
SOUTH MIDWAY CITY WATER CO. (HG. EARLY)	(714) 893-4311
CITY OF WESTMINSTER WATER SERVICE (R.ALVIDREZ)	(714) 898-3311
MIDWAY CITY SANITARY DISTRICT (PHIL MOJICA)	(714) 893-3553
* GENERAL TELEPHONE CO. (ED SEMLING)	(213) 435-9373
SOUTHERN CALIFORNIA EDISON (M.E. RHODS)	(714) 835-3833
* SOUTHERN CALIFORNIA GAS (MAX HOWARD)	(714) 634-0211

* U.S.A. MEMBER

BENCH MARK	BASIS OF BEARING

NO.	DESCRIPTION	SHT.	APPROVED	DATE

W.O. NO. **R14284**

SHEET **1** OF **3**

DRAWING NUMBER
1LSA VAN BUREN

DRAWING NUMBER
B180.2

DRAWING NUMBER

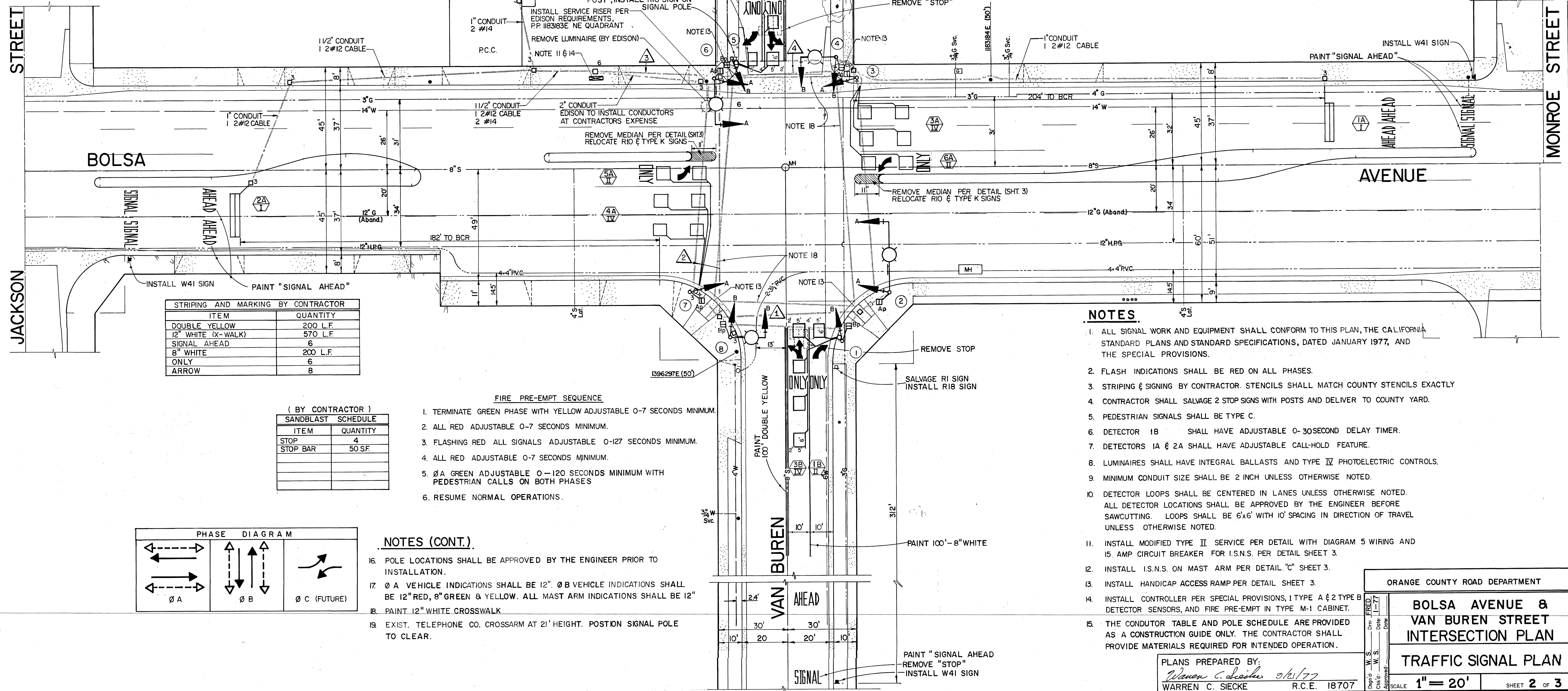
DRAWING NUMBER

FOR INFORMATION - IRVINE, CALIFORNIA
REVISION NUMBER 01/77
PLAN HOLD CORPORATION
REVISION NUMBER 01/77
FOR INFORMATION - IRVINE, CALIFORNIA
REVISION NUMBER 01/77
PLAN HOLD CORPORATION
REVISION NUMBER 01/77

POLE						SCHEDULE							
STANDARD					LUMINAIRE	I.S.N.S. LEGEND	SIGNAL		MTG.		PED PUSH BTN		REMARKS
No.	TYPE	HEIGHT	SIG.MA.	LUM.MA.			VEHICLE	PED	TYPE	PHASE			
①	1-A	10'						TV-I-T	SP-I-T	B	A		
②	19-2-70	30'	30'	15'	250 WHPSV	Van Buren	MAS	SV-I-T	SP-I-T	B	B	NOTE 12	
③	1-A	10'						TV-I-T	SP-I-T	B	B		
④	17-1-70	28'-6"	15'	6'	250 WHPSV		MAS	SV-I-T	SP-I-T	B	A		
⑤	1-A	10'						TV-I-T	SP-I-T	B	A		
⑥	17-2-70	28'-6"	20'	12'	250 WHPSV	Van Buren	MAS	SV-I-T	SP-I-T	B	B	NOTE 12	
⑦	1-A	10'						TV-I-T	SP-I-T	B	B		
⑧	17-1-70	28'-6"	15'	6'	250 WHPSV		MAS	SV-I-T	SP-I-T	B	A		

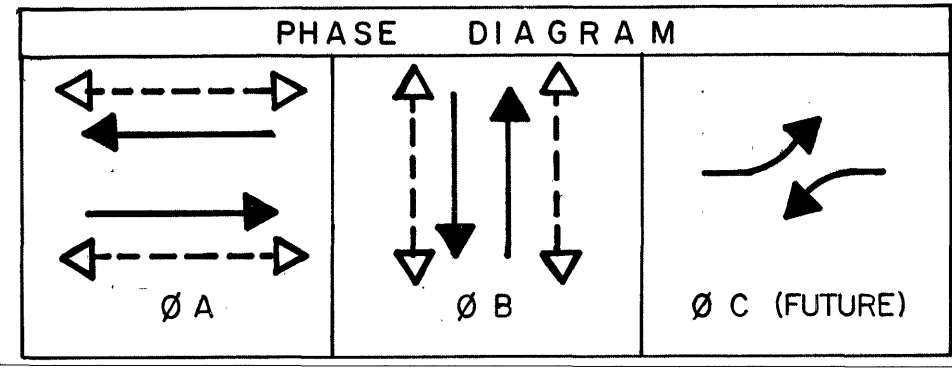
* TYPE 26 FOUNDATION. USE SLOTTED BASE TO FIT TYPE 26 BOLT CIRCLE

CONDUCTOR					TABLE			
AWG	CIRCUIT	RUNS						
		1	2	3	4			
#14	Ø A	3	3	6	3			
	Ø B	3	3	6	3			
	Ø C (FUTURE)	3	3	6	3			
	Ø A Ped	2	2	4	2			
	Ø B Ped	2	2	4	2			
	Ø A PPB	1	1	2	1			
	Ø B PPB	1	1	2	1			
	PPB COMMON	1	1	2	1			
	I.S.N.S.	2	2	4				
	SPARES	3	3	3	3			
#10	SIGNAL COMMON	1	1	2	1			
	LUMINAIRE	2	2	4	2			
	TOTAL	3	3	6	3			
2 #12 CABLE	1A			1	1			
	3A			1	1			
	4A			1	1			
	5A			1	1			
	6A			1	1			
	1B	1	1	2	1			
	2B			1	1			
	3B	1	1	1				
	TOTAL	2	4	10	3			
CONDUIT SIZE		2"	2 1/2"	2 1/2"	2 1/2"			



STRIPING AND MARKING BY CONTRACTOR	
ITEM	QUANTITY
DOUBLE YELLOW	200 L.F.
12" WHITE (X-WALK)	570 L.F.
SIGNAL AHEAD	6
8" WHITE	200 L.F.
ONLY	6
ARROW	8

(BY CONTRACTOR)	
SANDBLAST SCHEDULE	
ITEM	QUANTITY
STOP	4
STOP BAR	50 S.F.



- NOTES (CONT.)**
- POLE LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
 - Ø A VEHICLE INDICATIONS SHALL BE 12\"/>
 - PAINT 12\"/>
 - EXIST. TELEPHONE CO. CROSSARM AT 21' HEIGHT. POSITION SIGNAL POLE TO CLEAR.

- NOTES**
- ALL SIGNAL WORK AND EQUIPMENT SHALL CONFORM TO THIS PLAN, THE CALIFORNIA STANDARD PLANS AND STANDARD SPECIFICATIONS, DATED JANUARY 1977, AND THE SPECIAL PROVISIONS.
 - FLASH INDICATIONS SHALL BE RED ON ALL PHASES.
 - STRIPING & SIGNING BY CONTRACTOR. STENCILS SHALL MATCH COUNTY STENCILS EXACTLY.
 - CONTRACTOR SHALL SALVAGE 2 STOP SIGNS WITH POSTS AND DELIVER TO COUNTY YARD.
 - PEDESTRIAN SIGNALS SHALL BE TYPE C.
 - DETECTOR 1B SHALL HAVE ADJUSTABLE 0-30 SECOND DELAY TIMER.
 - DETECTORS 1A & 2A SHALL HAVE ADJUSTABLE CALL-HOLD FEATURE.
 - LUMINAIRES SHALL HAVE INTEGRAL BALLASTS AND TYPE IV PHOTOELECTRIC CONTROLS.
 - MINIMUM CONDUIT SIZE SHALL BE 2 INCH UNLESS OTHERWISE NOTED.
 - DETECTOR LOOPS SHALL BE CENTERED IN LANES UNLESS OTHERWISE NOTED. ALL DETECTOR LOCATIONS SHALL BE APPROVED BY THE ENGINEER BEFORE SAWCUTTING. LOOPS SHALL BE 6'x6' WITH 10' SPACING IN DIRECTION OF TRAVEL UNLESS OTHERWISE NOTED.
 - INSTALL MODIFIED TYPE II SERVICE PER DETAIL WITH DIAGRAM 5 WIRING AND 15 AMP CIRCUIT BREAKER FOR I.S.N.S. PER DETAIL SHEET 3.
 - INSTALL I.S.N.S. ON MAST ARM PER DETAIL "C" SHEET 3.
 - INSTALL HANDICAP ACCESS RAMP PER DETAIL SHEET 3.
 - INSTALL CONTROLLER PER SPECIAL PROVISIONS, TYPE A & 2 TYPE B DETECTOR SENSORS, AND FIRE PRE-EMPT IN TYPE M-1 CABINET.
 - THE CONDUCTOR TABLE AND POLE SCHEDULE ARE PROVIDED AS A CONSTRUCTION GUIDE ONLY. THE CONTRACTOR SHALL PROVIDE MATERIALS REQUIRED FOR INTENDED OPERATION.

PLANS PREPARED BY:
Warren C. Siecke 5/21/77
WARREN C. SIECKE R.C.E. 18707

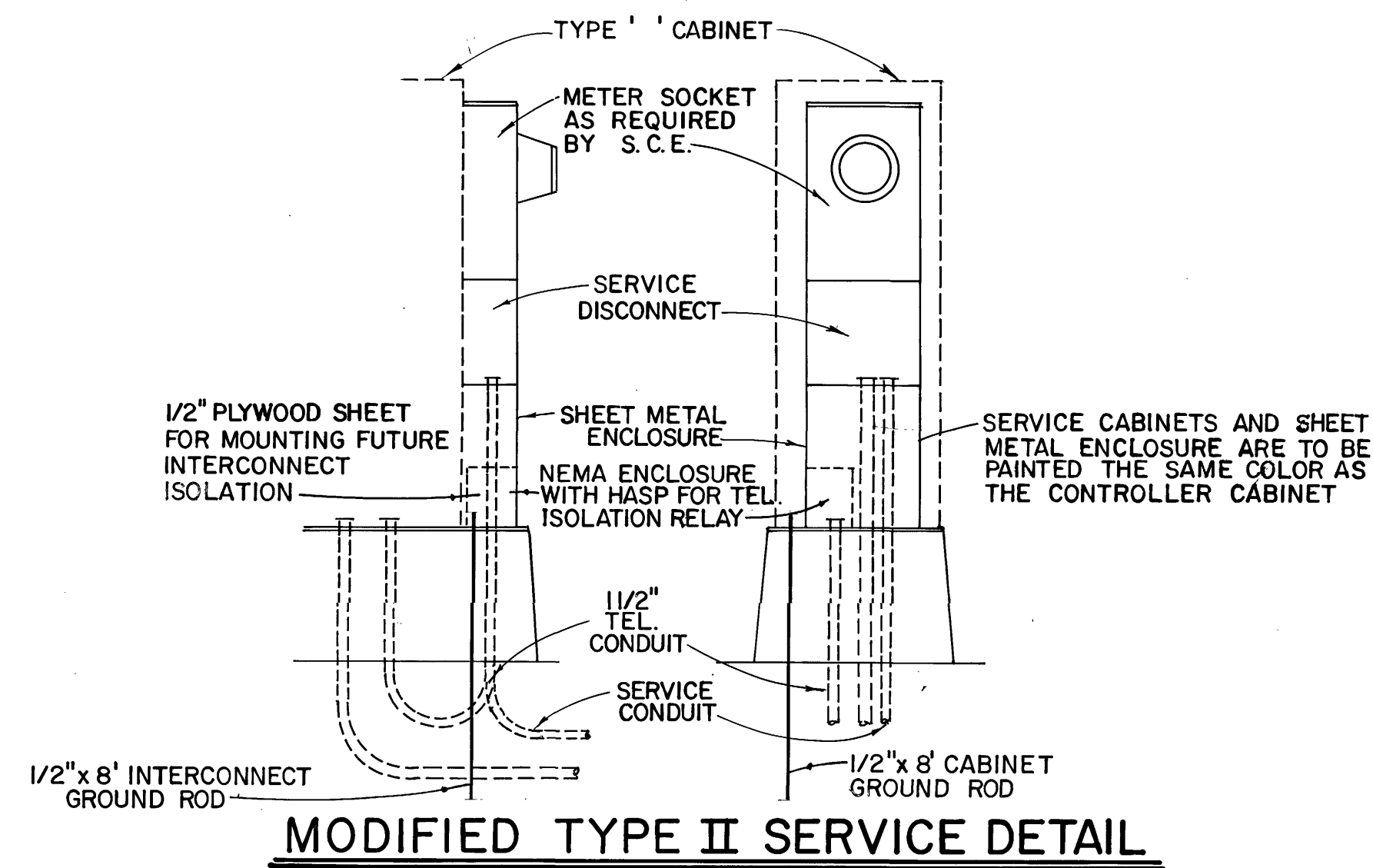
ORANGE COUNTY ROAD DEPARTMENT

BOLSA AVENUE & VAN BUREN STREET INTERSECTION PLAN

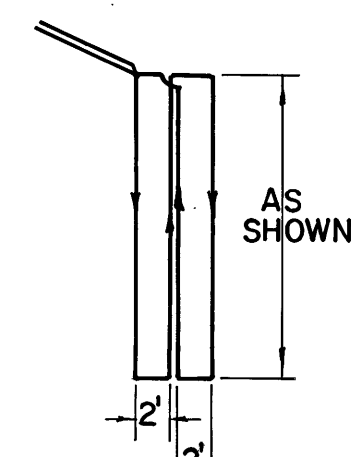
TRAFFIC SIGNAL PLAN

1" = 20'

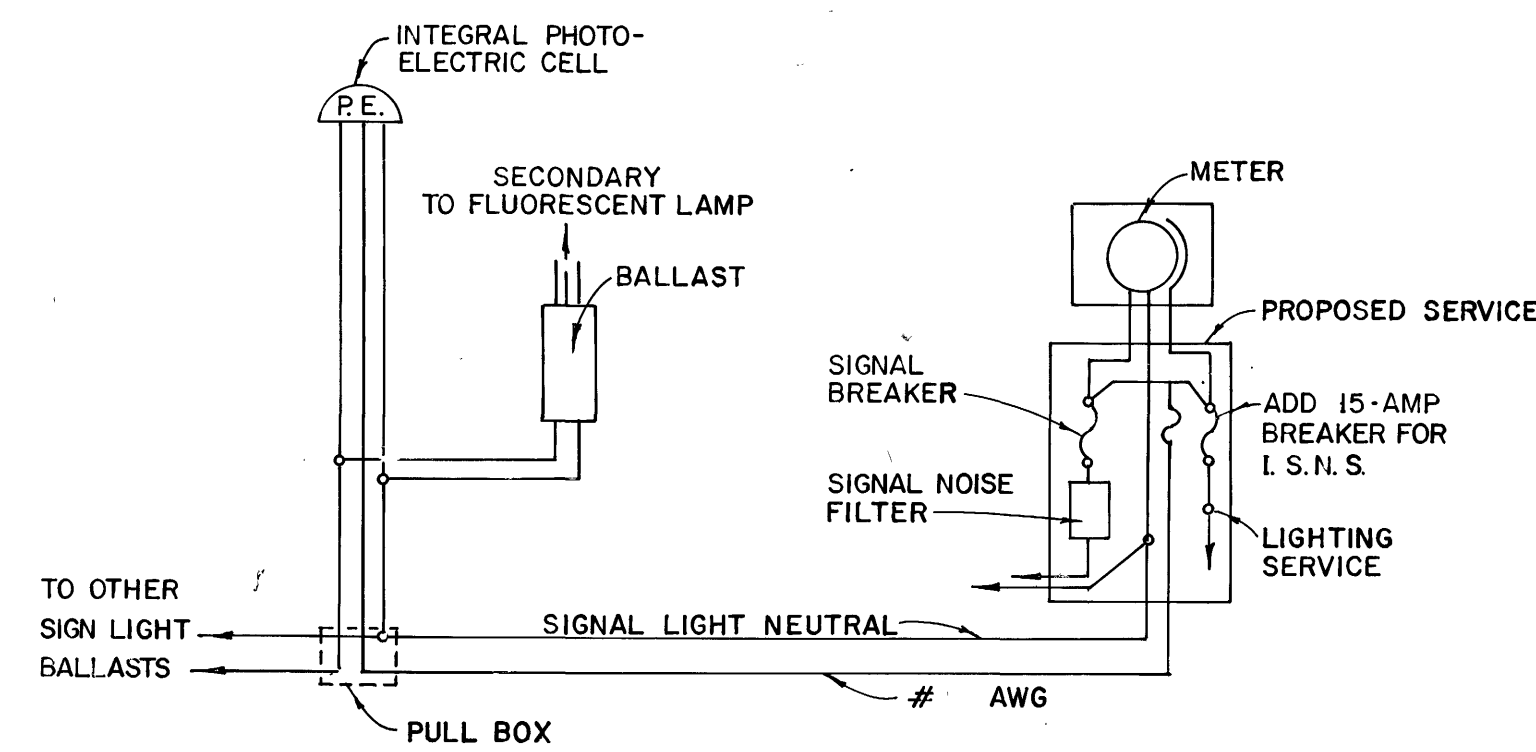
SHEET 2 OF 3



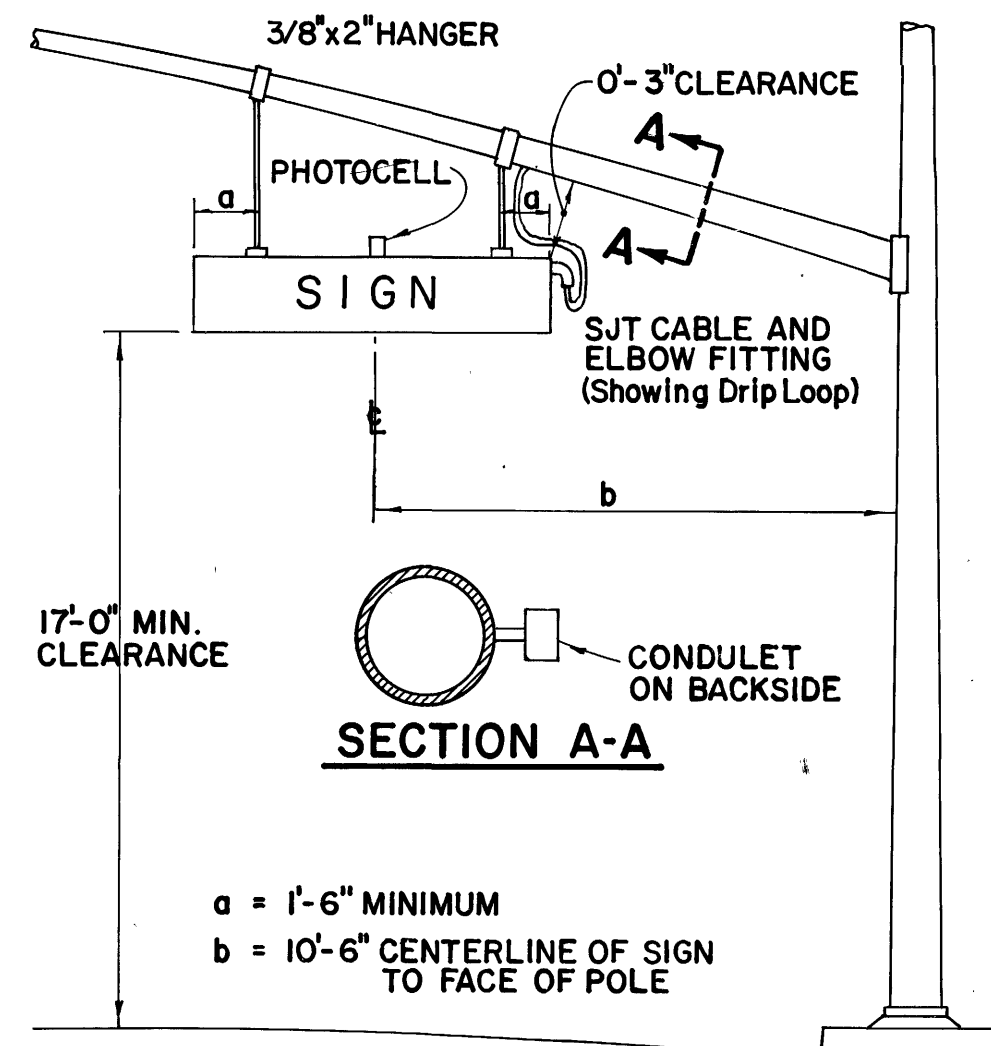
MODIFIED TYPE II SERVICE DETAIL



QUADRAPOLE LOOP
DETECTOR
DETAIL "A"

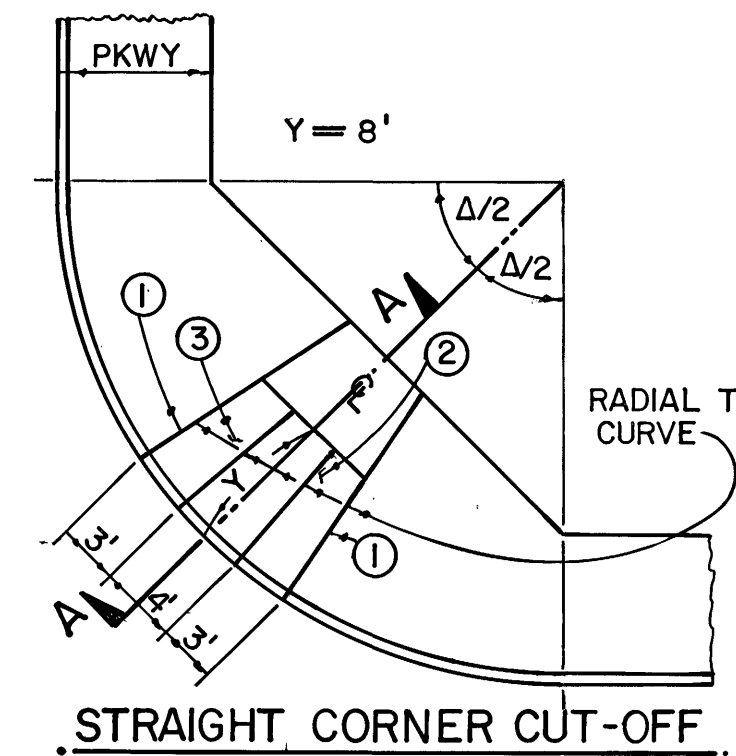


WIRING DIAGRAM
INTERNALLY ILLUMINATED STREET NAME SIGN

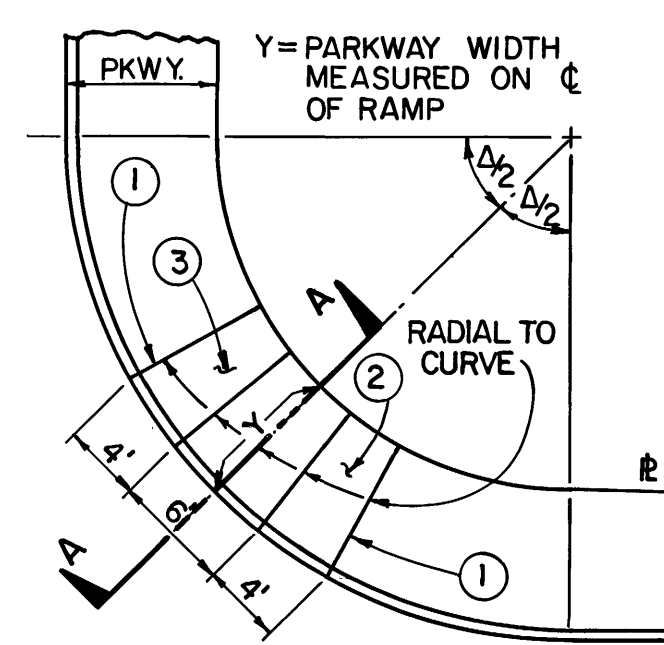


ASSEMBLY OF SIGN COMPONENTS (FOR STREET NAME SIGNS)

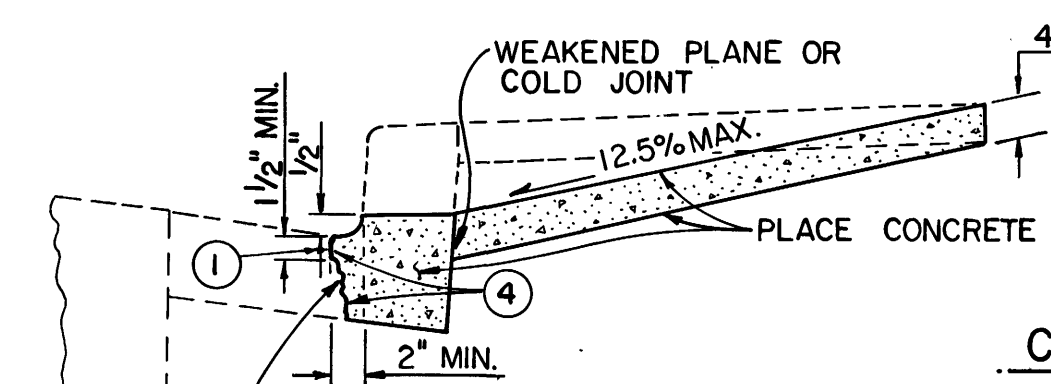
DETAIL "C"



STRAIGHT CORNER CUT-OFF



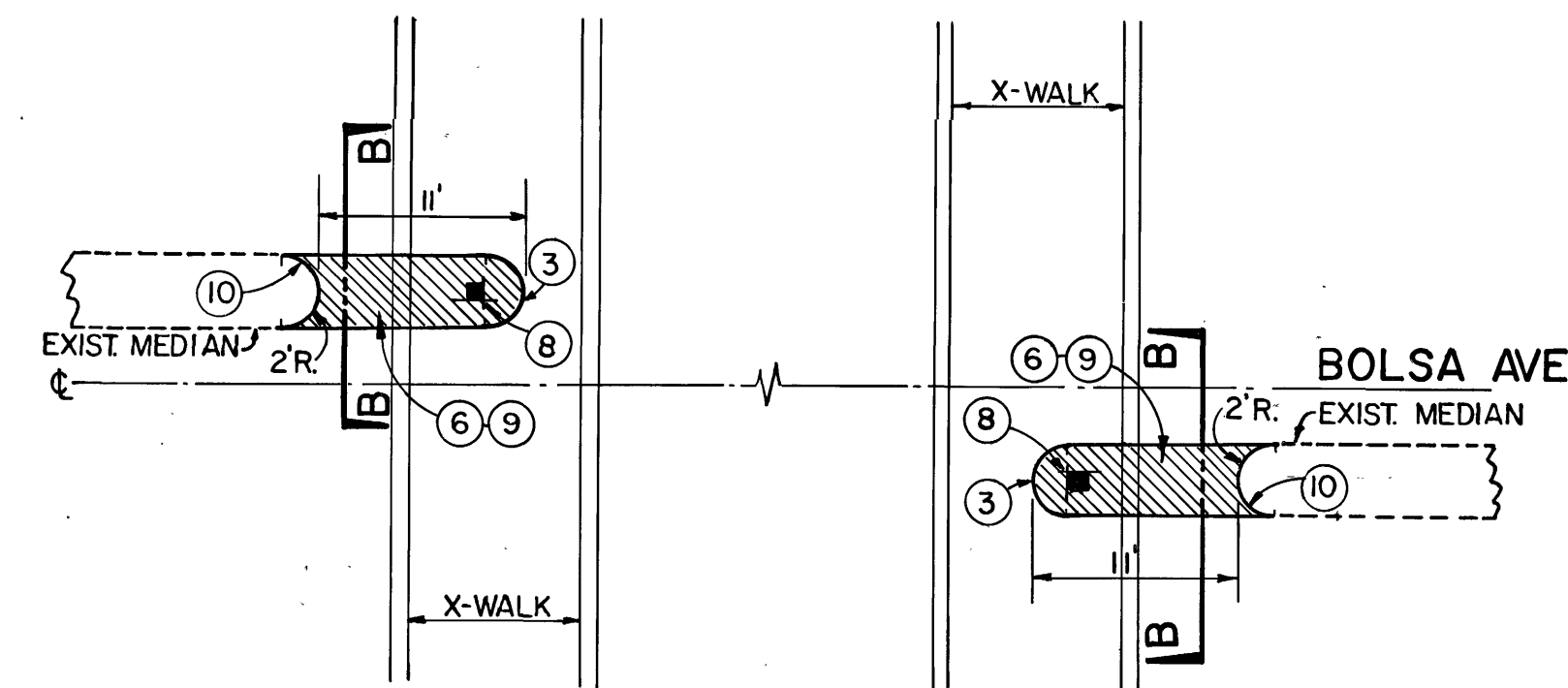
CIRCULAR CORNER CUT-OFF



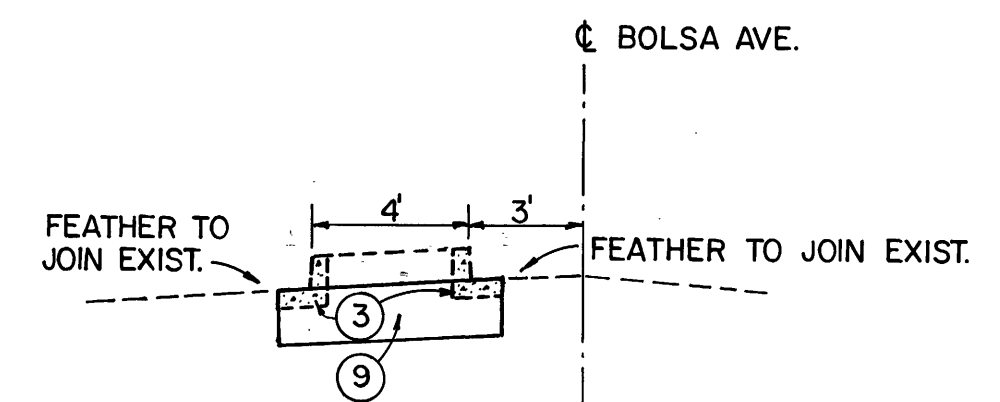
SECTION A - A

SIDEWALK ACCESS RAMP DETAIL

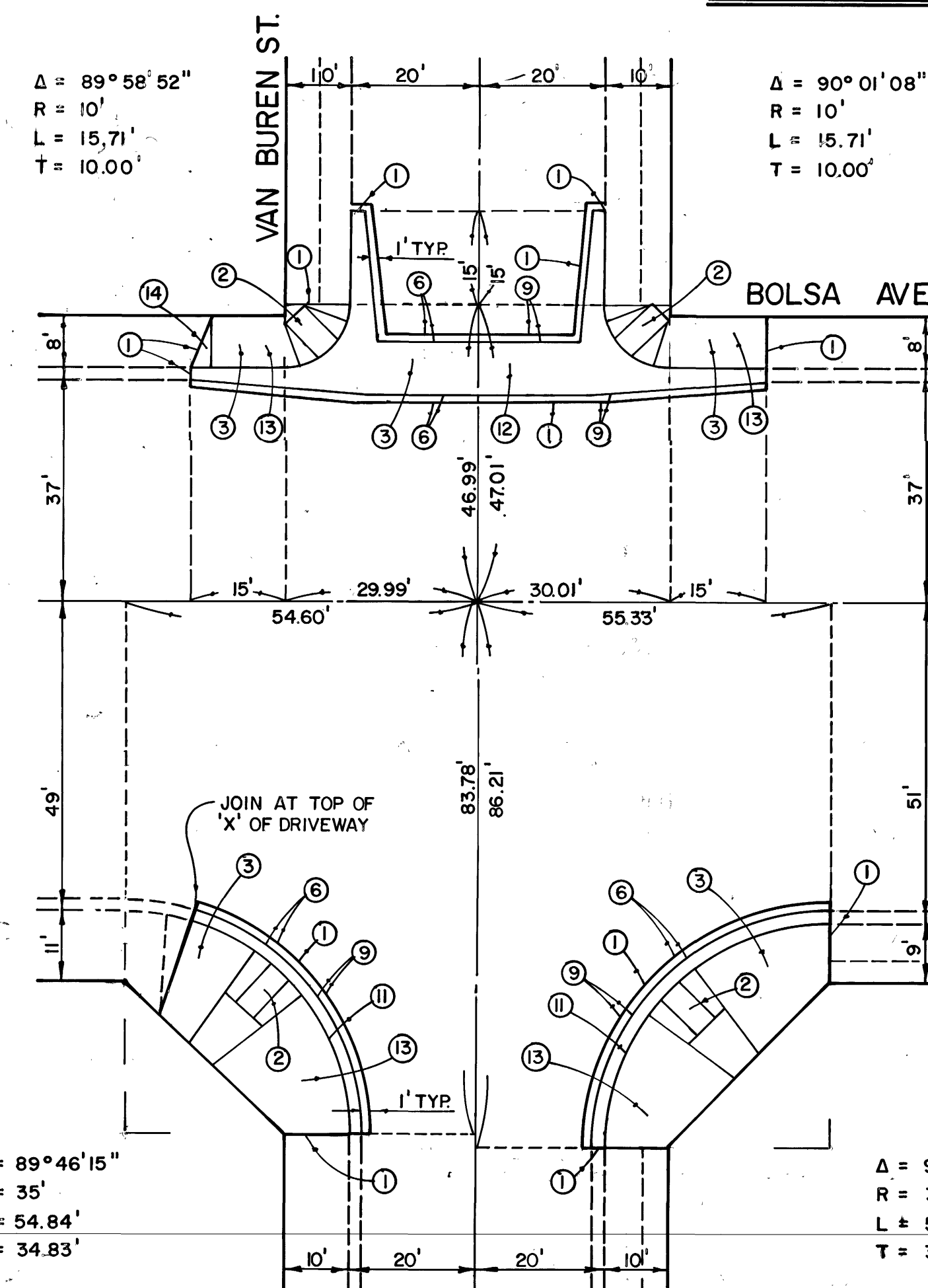
- ## CONSTRUCTION NOTES :
- ① — SAWCUT & JOIN EXISTING
 - ② — CONSTRUCT SIDEWALK ACCESS RAMP
PER STANDARD PLAN No. III
 - ③ — REMOVE CONCRETE
 - ④ — CLEAN EXPOSED CONCRETE & APPLY ADHESIVE
EPOXY RESIN IMMEDIATELY PRIOR TO
PLACEMENT OF CONCRETE
 - ⑤ — REMOVE SIGN & POST
 - ⑥ — REMOVE ASPHALT CONCRETE
 - ⑦ — PLACE TYPE F(1) GUIDE MARKERS
 - ⑧ — RELOCATE EXIST. TRAFFIC SIGN
 - ⑨ — CONSTRUCT 1.05' A.C./N.S.
 - ⑩ — CONSTRUCT NEW CURB TO MATCH EXISTING



MEDIAN MODIFICATION DETAIL



SECTION B-B



INTERSECTION RECONSTRUCTION DETAILS

- ⑪ CONSTR. 'A-2' C.&G. PER STD. NO. 202
- ⑫ CONSTR. P.C.C. CROSS GUTTER PER STD. NO. 207
- ⑬ CONSTR. P.C.C. SIDEWALK PER STD. NO. III
- ⑭ CONSTR. P.C.C. DRIVEWAY PER STD. NO. 209