

- L E G E N D -

MATERIALS

CONCRETE
RIP-RAP

LINES

RIGHT-OF-WAY
PROPERTY LINE (PLAN)
RIGHT-OF-WAY (SECTION)
CENTERLINE
EASEMENT LINE
MATCH LINE
SECTION CUT LINE

EARTHWORK

EXISTING NEW
CONTOUR LINE
SPOT ELEVATION
PROJECT/PHASE BOUNDARY
SWALE
DIRECTION OF FLOW

MISCELLANEOUS UTILITIES

GAS LINE
UNDERGROUND TELEPHONE
UNDERGROUND ELECTRICAL
STORM DRAIN
STORM DRAIN MANHOLE
STORM DRAIN INLET

SANITARY SEWER

SANITARY SEWER LINE
SANITARY SEWER MANHOLE
SAS SERVICE CONNECTIONS
SAS CAP OR PLUG
ENCASEMENT

WATER

WATER LINE WITH CAP
WATER SERVICE CONNECTIONS
GATE VALVE
FIRE HYDRANT
BUTTERFLY VALVE
REDUCER
WATER PRESSURE ZONE BOUNDARY

WATER FITTINGS

CAPS AND PLUGS
ELBOW
CROSS
TEE

MISCELLANEOUS

EDGE OF ASPHALT
FIELD FENCE/CHAINLINK FENCE
COMMON YARD WALL/BLOCK WALL
RETAINING WALL
POWER OR TELEPHONE POLE
TREE

INTERSECTION SIGNALIZATION IMPROVEMENTS

INDEX OF DRAWINGS

SHEET NO.	TITLE
1.	TITLE, NOTES, INDEX & LEGEND
2.	LOCATION MAP & GENERAL NOTES
3.	4th/AZTEC
4.	4th/SOLAR
5.	4th/DELAWARE DELETED BY TRAFFIC ENGINEERING SUBSTITUDE JEFFERSON/ELLISON SEE SH. 5A
6.	ALEXANDER/MONTBEL LOOP
7.	JEFFERSON/MCLEOD
8.	I-25 INTERCONNECT PLAN
9.	JEFFERSON/MCLEOD-CONDUITS, CABLES & FUNCTIONS
10.	JEFFERSON/MCLEOD MISC. ITEMS
11.	DETAILS
12.	DETAILS
13.	DETAILS
14.	DETAILS

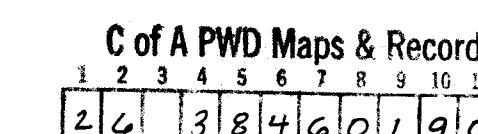
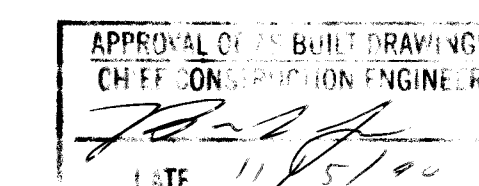
SEE SHEET 2 FOR LOCATION MAP OF SITES

LOCATION MAP

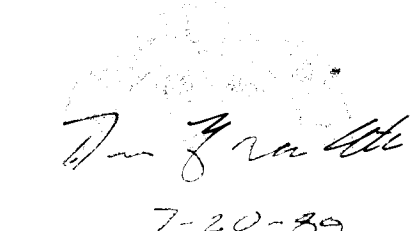
NOTICE TO CONTRACTORS

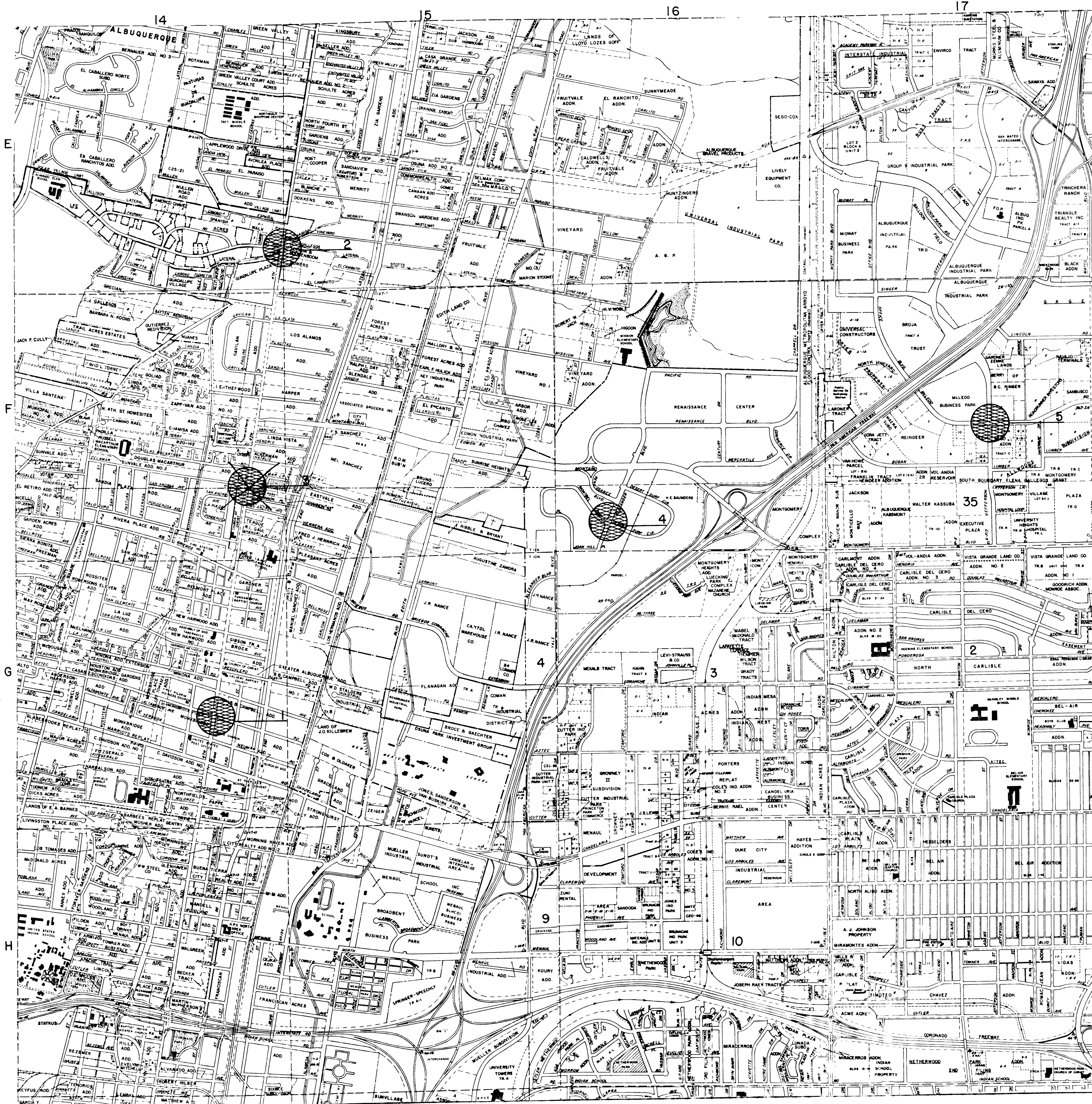
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 1986.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT LINE LOCATING SERVICE 765-1234, FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.
- TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, CONTRACTOR SHALL OBTAIN A BARRICADING PLAN AND PERMIT THROUGH TRAFFIC ENGINEER DIVISION AT 768-2552.

- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
- ☐ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☐ IF CURB IS DEPRESSIONED FOR A DRIVEPAD OR A HANDICAP RAMP, THE DRIVEPAD OR RAMP SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF THE CURB AND GUTTER.
- ☐ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.



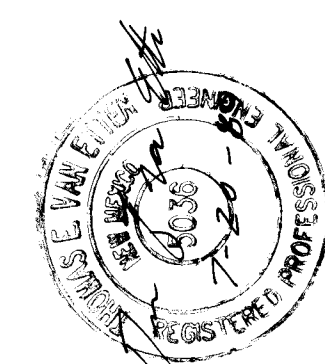
REV.	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE
APPROVAL OF REVISIONS							

 7-20-89	CITY OF ALBUQUERQUE		APPROVED FOR CONSTRUCTION CITY ENGINEER 8-17-89
	DRAWING NO.	3846	SHEET 1 OF 14

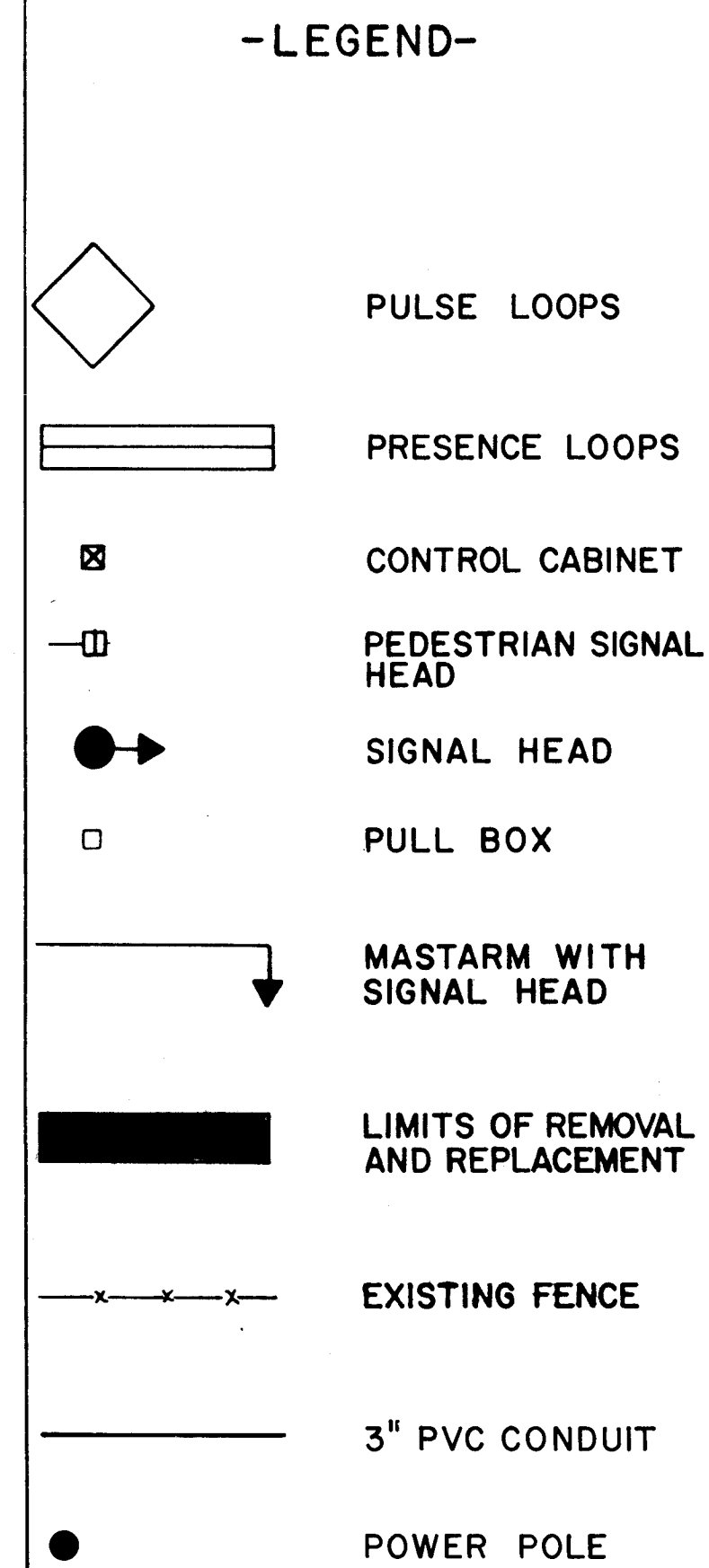
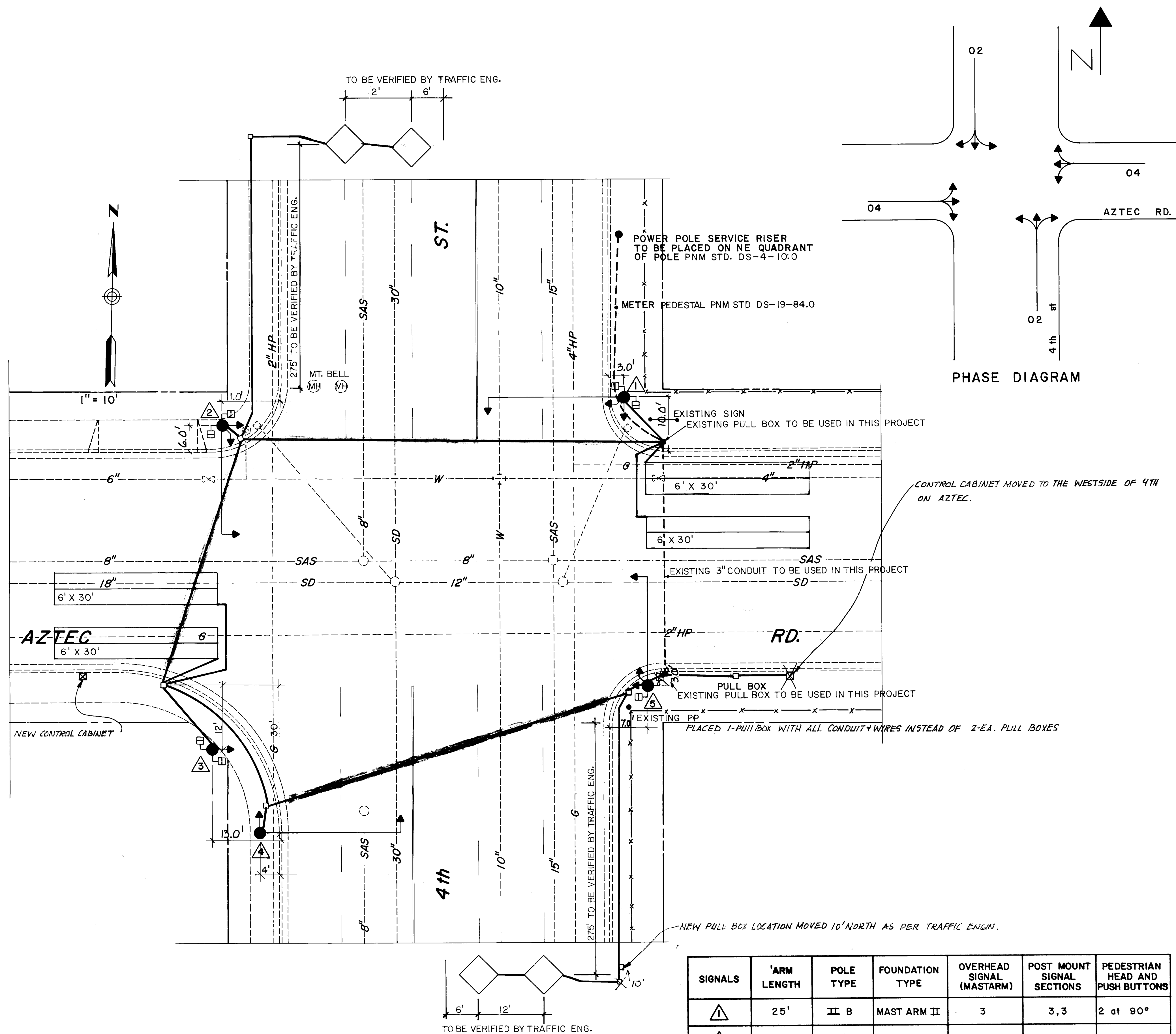


GENERAL NOTES

1. 4th/AZTEC
2. 4th/SOLAR
- ~~3. 4th/DELFAMAR~~ DELETED AS PER TRAFFIC ENGIN.
4. ALEXANDER/MONTBEL LOOP
5. JEFFERSON/MCLEOD

[illegible]

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP



SIGNALS	ARM LENGTH	POLE TYPE	FOUNDATION TYPE	OVERHEAD SIGNAL (MASTARM)	POST MOUNT SIGNAL SECTIONS	PEDESTRIAN HEAD AND PUSH BUTTONS
1	25'	II B	MAST ARM II	3	3,3	2 at 90°
2	20'	II B	MAST ARM II	3	3,3	2 at 90°
3	—	I	STD PED I	—	3	2 at 90°
4	25'	II B	MAST ARM II	3	3	—
5	20'	II B	MAST ARM II	3	3,3	2 at 90°

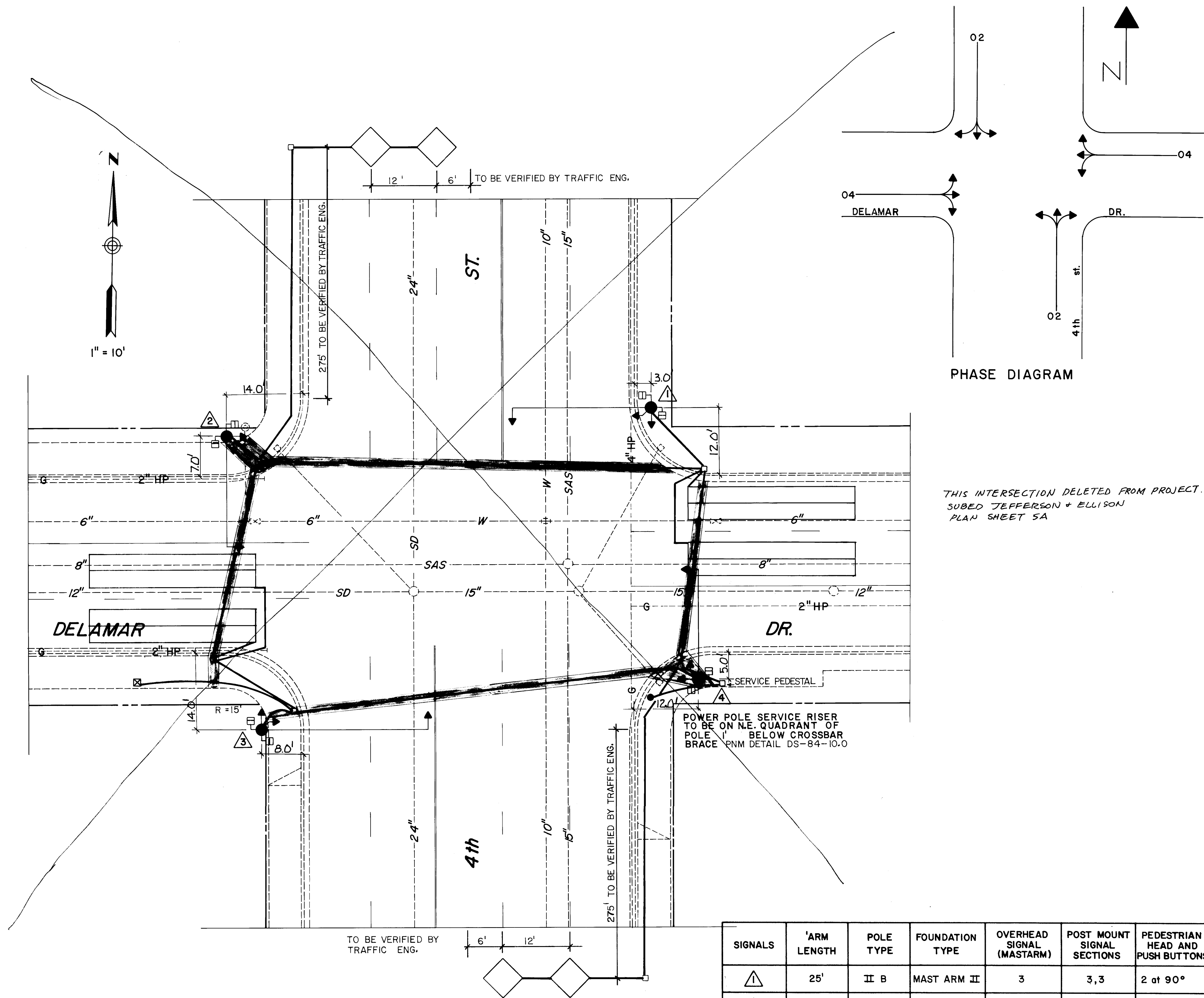
☒ CONTROL CABINET FOUNDATION TYPE II

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: 4th/AZTEC

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>[Signature]</i>	8/7/89			
Trans. Dev.	<i>[Signature]</i>	8-03-89			
Utility Dev.	N/A	8/7/89			

DRAWING NO. 3846 MAP NO. G-14 SHEET 3 OF 14



SIGNALS	'ARM LENGTH	POLE TYPE	FOUNDATION TYPE	OVERHEAD SIGNAL (MASTARM)	POST MOUNT SIGNAL SECTIONS	PEDESTRIAN HEAD AND PUSH BUTTONS
1	25'	II B	MAST ARM II	3	3,3	2 at 90°
2	20'	II B	MAST ARM II	3	3,3	2 at 90°
3	25'	II B	MAST ARM II	3	3,3	2 at 90°
4	20'	II B	MAST ARM II	3	3,3	2 at 90°

— CONTROL CABINET FOUNDATION TYPE II

- LEGEND-**
- PULSE LOOPS
 - PRESENCE LOOPS
 - CONTROL CABINET
 - PEDESTRIAN SIGNAL HEAD
 - SIGNAL HEAD
 - PULL BOX
 - MASTARM WITH SIGNAL HEAD
 - LIMITS OF REMOVAL AND REPLACEMENT
 - EXISTING FENCE
 - 3" PVC CONDUIT
 - POWER POLE

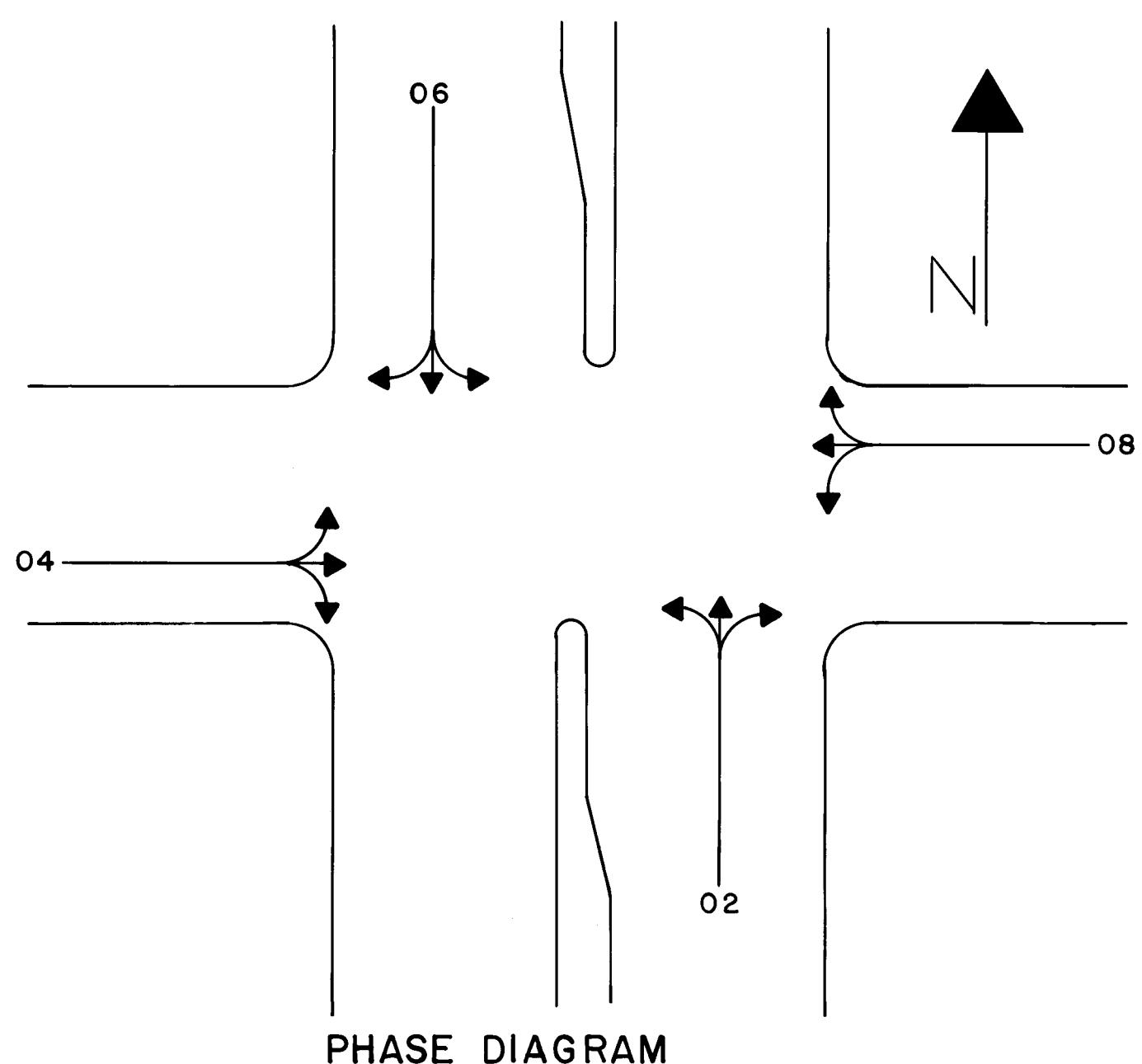
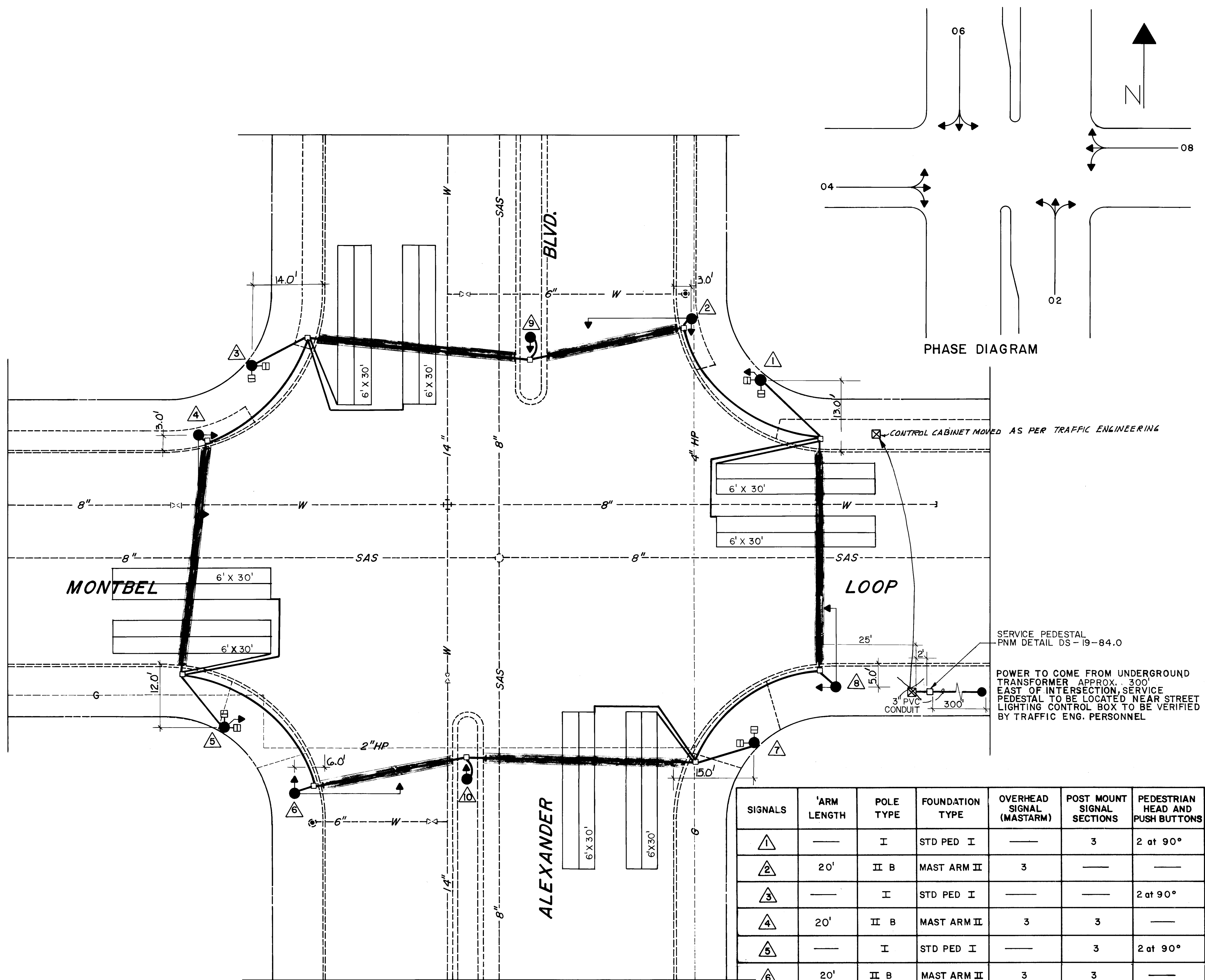
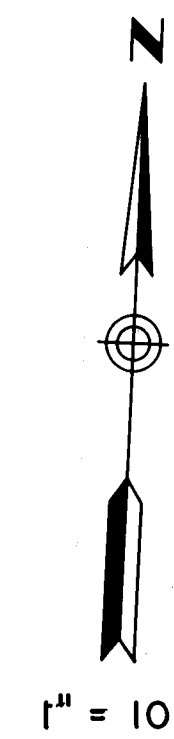
AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACT NO.	DATE	NO.	DATE	NO.	DATE		
WORK BY	DATE	BY	DATE	NO.	DATE		
INSPECTED BY	DATE	BY	DATE	NO.	DATE		
ACCEPTANCE BY	DATE	BY	DATE	NO.	DATE		
FIELD DRAWINGS	DATE	BY	DATE	NO.	DATE		
REVISIONS	DATE	BY	DATE	NO.	DATE		
RECORDED BY	DATE	BY	DATE	NO.	DATE		
NO.	DATE	BY	DATE	NO.	DATE		

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: 4th / DELAMAR

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	R. J. [Signature]	8/7/89			
Trans. Dev	[Signature]	8-23-89			
Utility Dev	N/A	8/16/89			

DRAWING NO. 3846 MAP NO. F-14 SHEET 5 OF 14



- LEGEND-**
- PULSE LOOPS
 - PRESENCE LOOPS
 - CONTROL CABINET
 - PEDESTRIAN SIGNAL HEAD
 - SIGNAL HEAD
 - PULL BOX
 - MASTARM WITH SIGNAL HEAD
 - LIMITS OF REMOVAL AND REPLACEMENT
 - EXISTING FENCE
 - 3" PVC CONDUIT
 - POWER POLE

SIGNALS	ARM LENGTH	POLE TYPE	FOUNDATION TYPE	OVERHEAD SIGNAL (MASTARM)	POST MOUNT SIGNAL SECTIONS	PEDESTRIAN HEAD AND PUSH BUTTONS
1	—	I	STD PED I	—	3	2 at 90°
2	20'	II B	MAST ARM II	3	—	—
3	—	I	STD PED I	—	—	2 at 90°
4	20'	II B	MAST ARM II	3	3	—
5	—	I	STD PED I	—	3	2 at 90°
6	20'	II B	MAST ARM II	3	3	—
7	—	I	STD PED I	—	—	2 at 90°
8	20'	II B	MAST ARM II	3	3	—
9	—	I	STD PED I	—	5	—
10	—	I	STD PED I	—	5	—

STANDARD TRAFFIC CONTROLLER FOUNDATION TYPE I

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	NO.	DATE	NO.	DATE	NO.	DATE
Blakely Electric	11/11/89						
INSPECTED BY	DATE	FIELD NOTES		REVISIONS		REMARKS	
By O. Jaramila	11/11/89						
VERIFICATION BY	DATE						
By O. Jaramila	11/11/89						
DRAWING NO.	DATE						
3846	11/11/89						
MICRO-FILM INFORMATION							
RECORDED BY	DATE						

C of A PWD Maps & Records
26 38 46 10 6 9 0

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

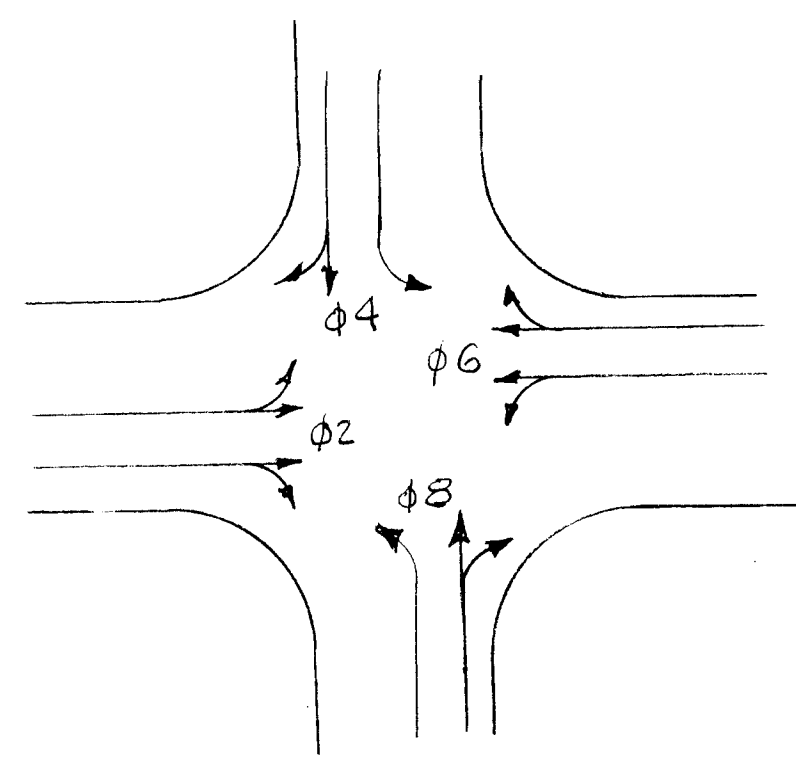
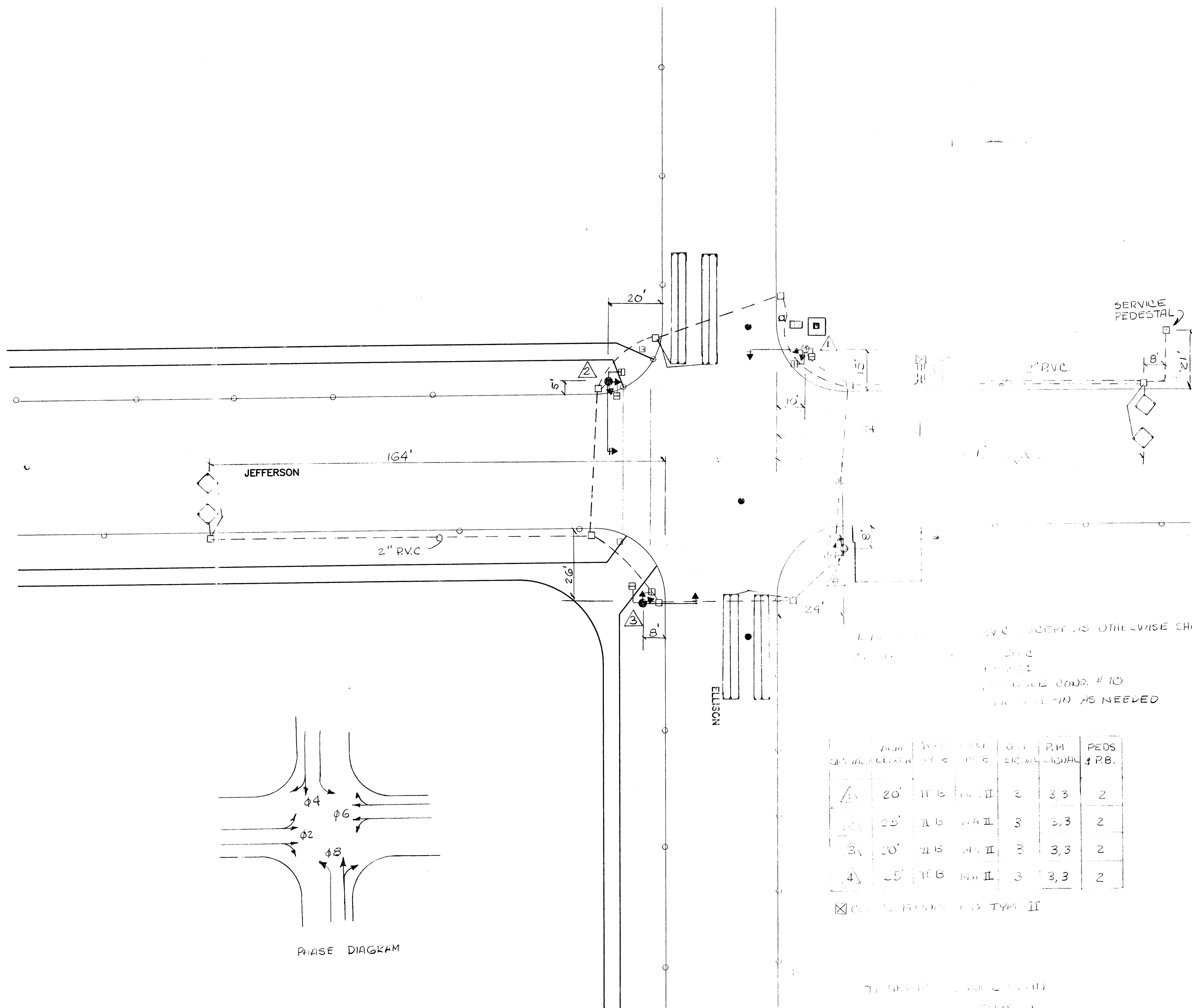
TITLE: ALEXANDER / MONTBEL LOOP

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
	By [Signature]	11/11/89			
Trans. Dev.	By [Signature]	8-03-89			
Utility Dev.	By [Signature]	9/1/89			

DRAWING NO. 3846 MAP NO. F-16 SHEET 6 OF 14

CON: BIXBY ELECTRIC
 STATION: BIXBY ELECTRIC
 INSPECTOR: DANNY JAHNKE
 FIELD VERIFIED: DANNY JAHNKE
 ASSESS DATE: 1/3/90

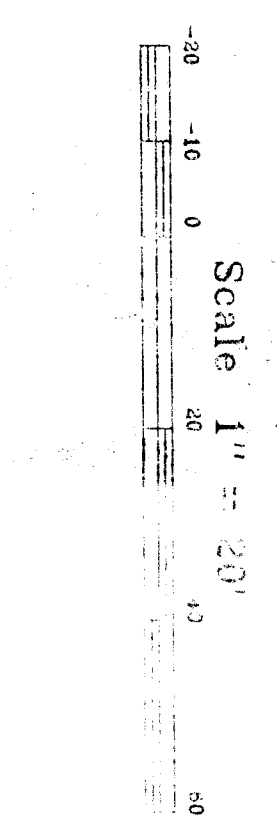
NEW PLAN'S BUILT AS PER PLANS



PHASE DIAGRAM

NO.	AREA	TYPE	DATE	ON	PM	PEDS
1	20'	11 B	11 II	3	3,3	2
2	25'	11 B	11 II	3	3,3	2
3	20'	11 B	11 II	3	3,3	2
4	25'	11 B	11 II	3	3,3	2

☒ ON 11 B ROAD TYPE II



JEFFERSON AND ELLISON

PLAN SHEET SA

C of A PWD Maps & Records

1	2	3	4	5	6	7	8	9	10	11	12
2	4	3	8	4	6	0	5	7	0	1	A

FLASH CONDITION

RED BALL HEADS 1A.1M.3A.3M
YELLOW BALL HEADS 2A.2M.4A.4M

INITIALIZATION

PHASE 2 AND 6 YELLOW
CLEARANCE INTERVAL

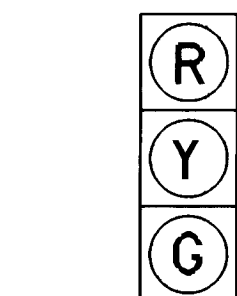
BACK UP TIME SETTING

MINIMUM INITIAL 01 02
VEHICLE EXTENSION 3 3
MAXIMUM 1 30 30
MAXIMUM 2 40 40
YELLOW CHANGE 3.5 3.5
RED CLEAR 1.0 1.0
WALK 7 7
PEDESTRIAN CLEAR 14 14
OPERATION MEM MIN
OFF OFF RECALL

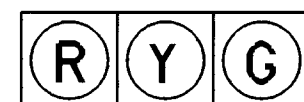
PEDESTRIAN PUSH BUTTON
DESIGNATION SIGNS

PPB 1. 3. 5. 7 R10 - 4b L
PPB 2. 4. 6. 8 R10 - 4b R

SIGNAL HEAD DETAILS



1A, 1B, 2A, 2B,
3A, 3B, 4A, 4B



1M, 2M, 3M, 4M



P1, P2, P3, P4
P5, P6, P7, P8

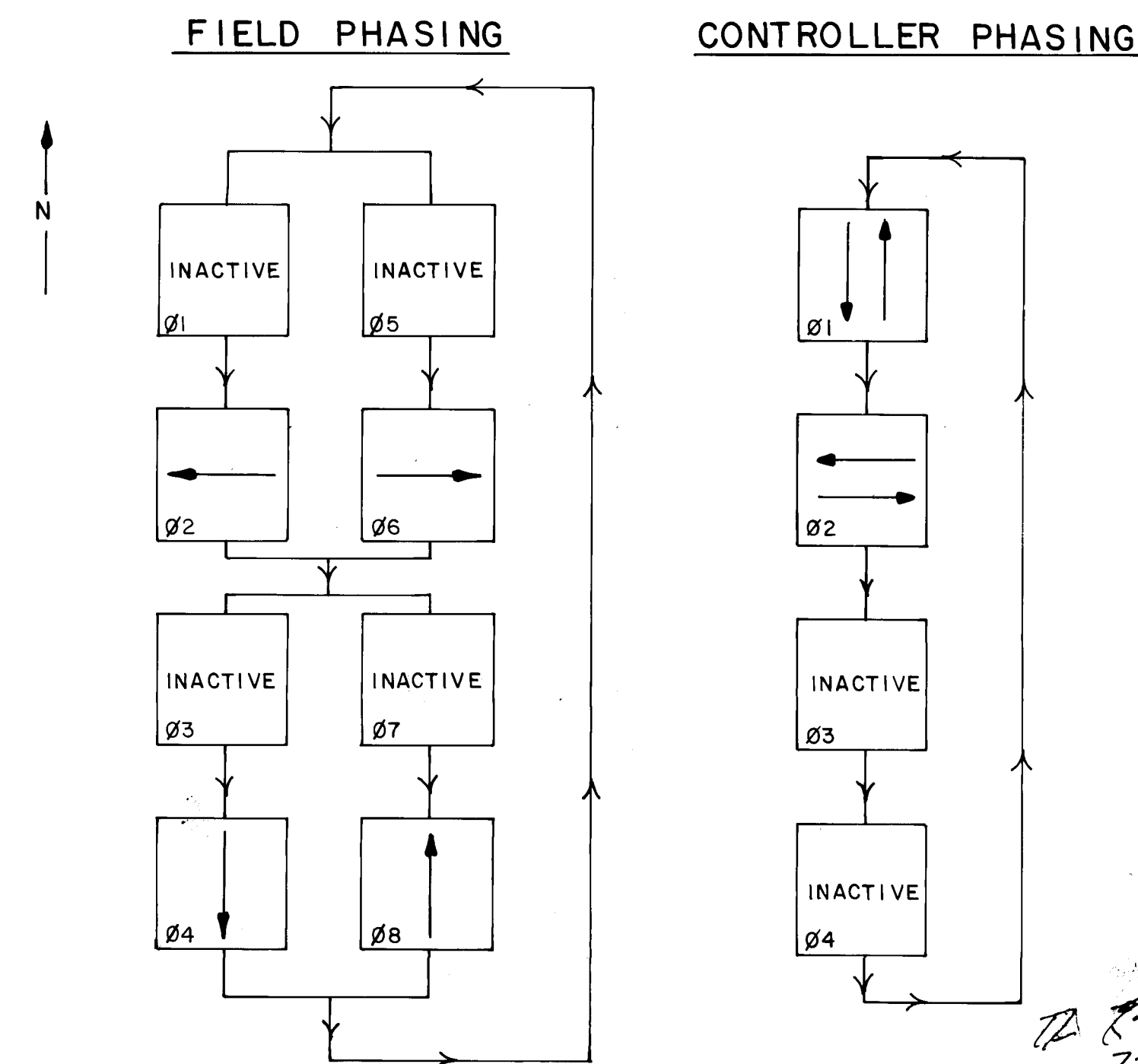
DETECTORS

UNIT	PHASE (#)	MODE
1 CHAN 1	2 (1), (2)	PRESENCE
CHAN 2	2 (3)	PRESENCE / EXTEND CALL 3 SEC
2 CHAN 1	4 (1), (2)	PRESENCE
CHAN 2	8 (1), (2)	PRESENCE
3 CHAN 1	6 (1), (2)	PRESENCE
CHAN 2	6 (3)	PRESENCE / EXTEND CALL 3 SEC

LOOP LEAD IN CABLE

FROM	TO	LENGTH
PB-9	CONTROLLER	2 X 35' = 70'
PB-10	CONTROLLER	2 X 145' = 290'
PB-11	CONTROLLER	2 X 240' = 480'
PB-12	CONTROLLER	2 X 150' = 300'
PB-13	CONTROLLER	1 X 225' = 225'
PB-14	CONTROLLER	1 X 415' = 415'
TOTAL		1780'

SIGNAL PHASING



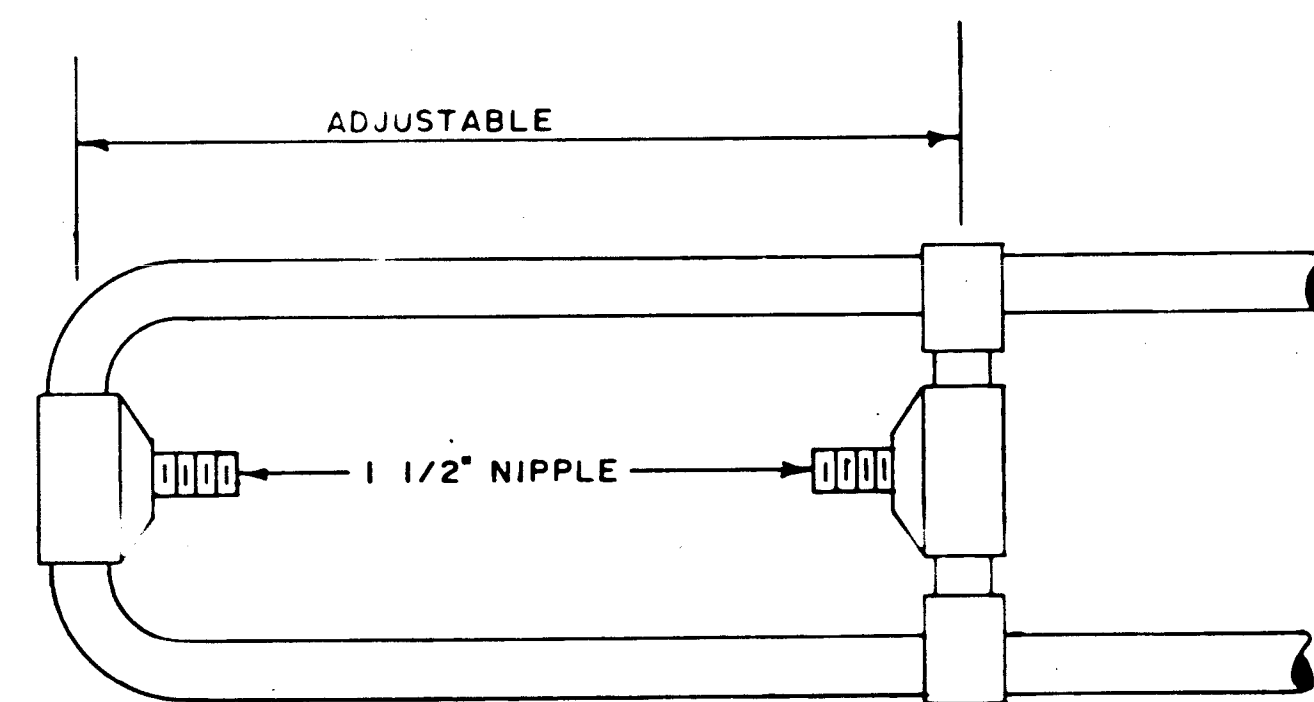
3			
2			
1			
NO.	DESCRIPTION	DATE	BY

NEW MEXICO STATE
HIGHWAY AND TRANSPORTATION
DEPARTMENT

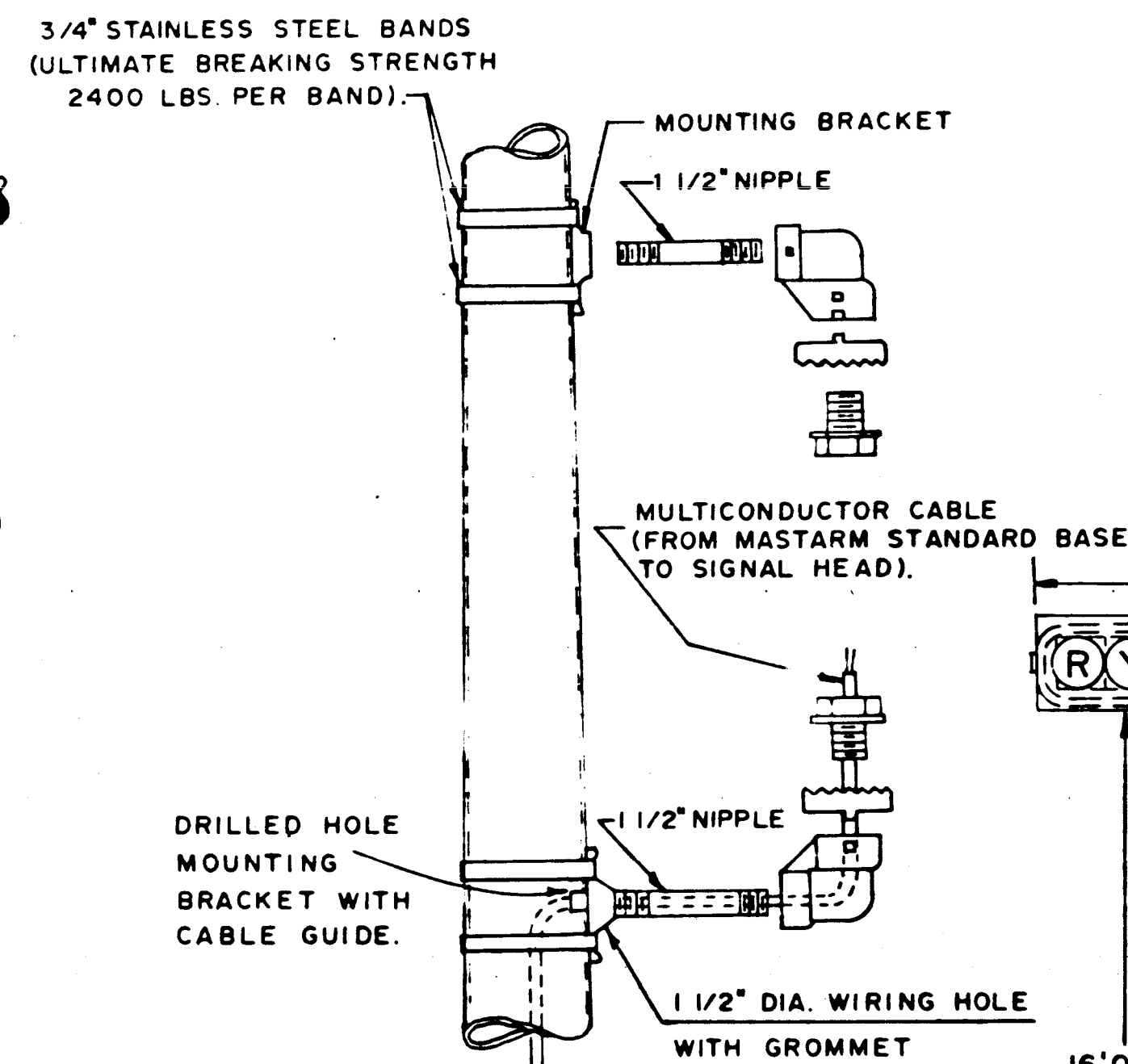
JEFFERSON / MC LEOD

TRAFFIC SIGNAL SHEET
MISCELLANEOUS ITEMS

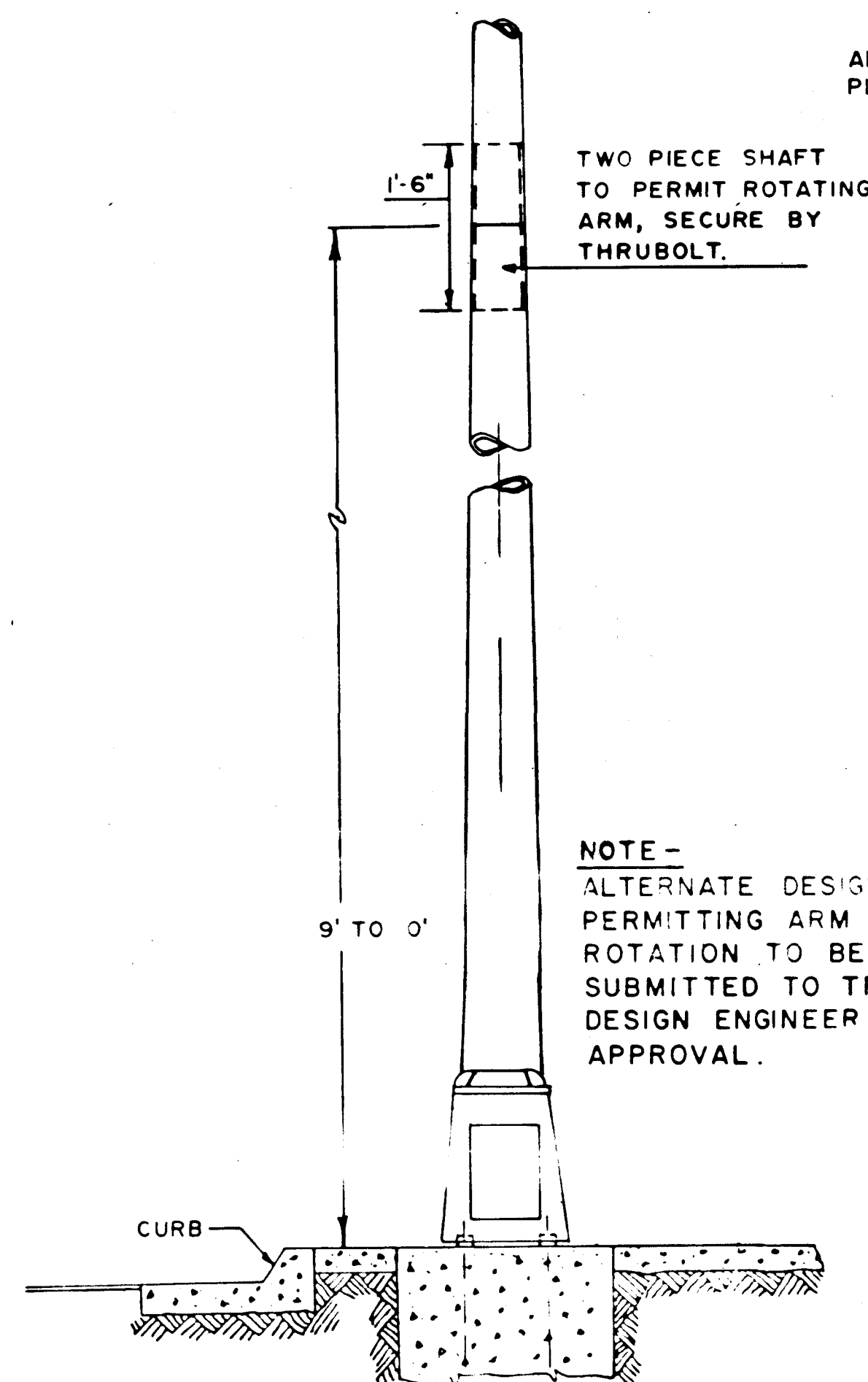
C of A PW Maps & Records
1 2 3 4 5 6 7 8 9 10 11 12
2 6 3 8 4 6 1 0 9 0



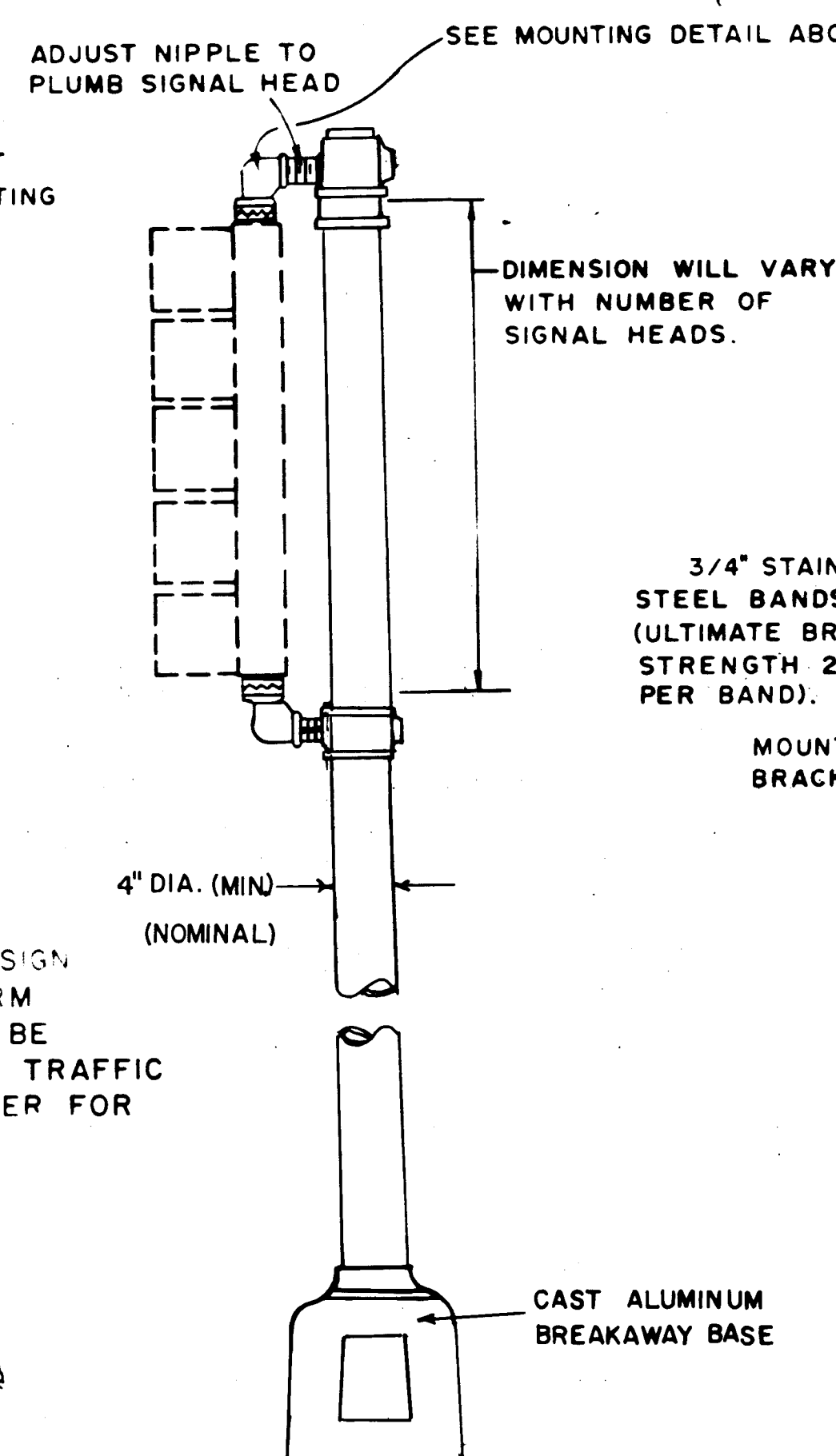
HORIZONTAL MOUNTING DETAIL



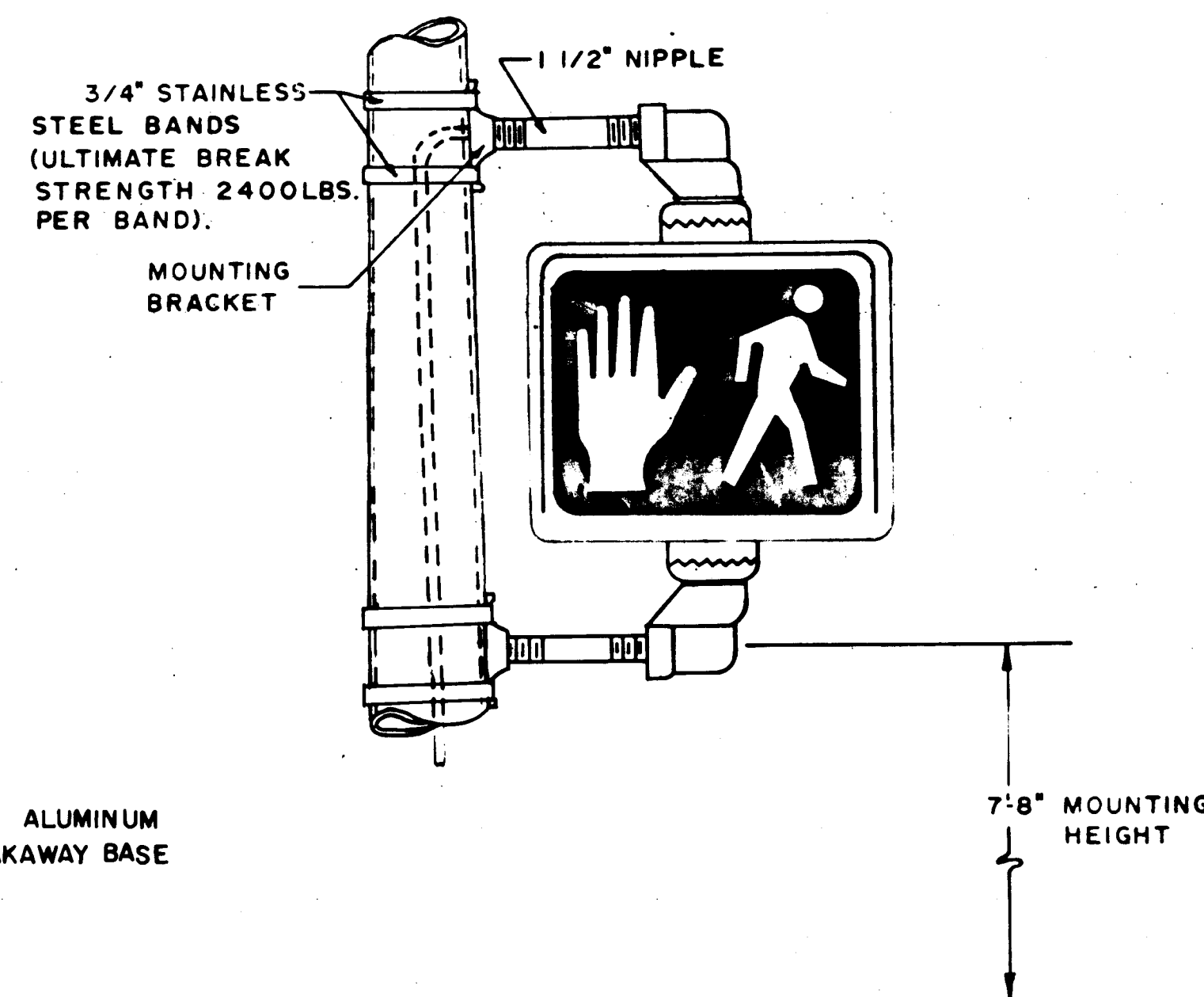
**MOUNTING DETAIL
(SIDE OF SHAFT)**



ROTATABLE ARM DETAIL

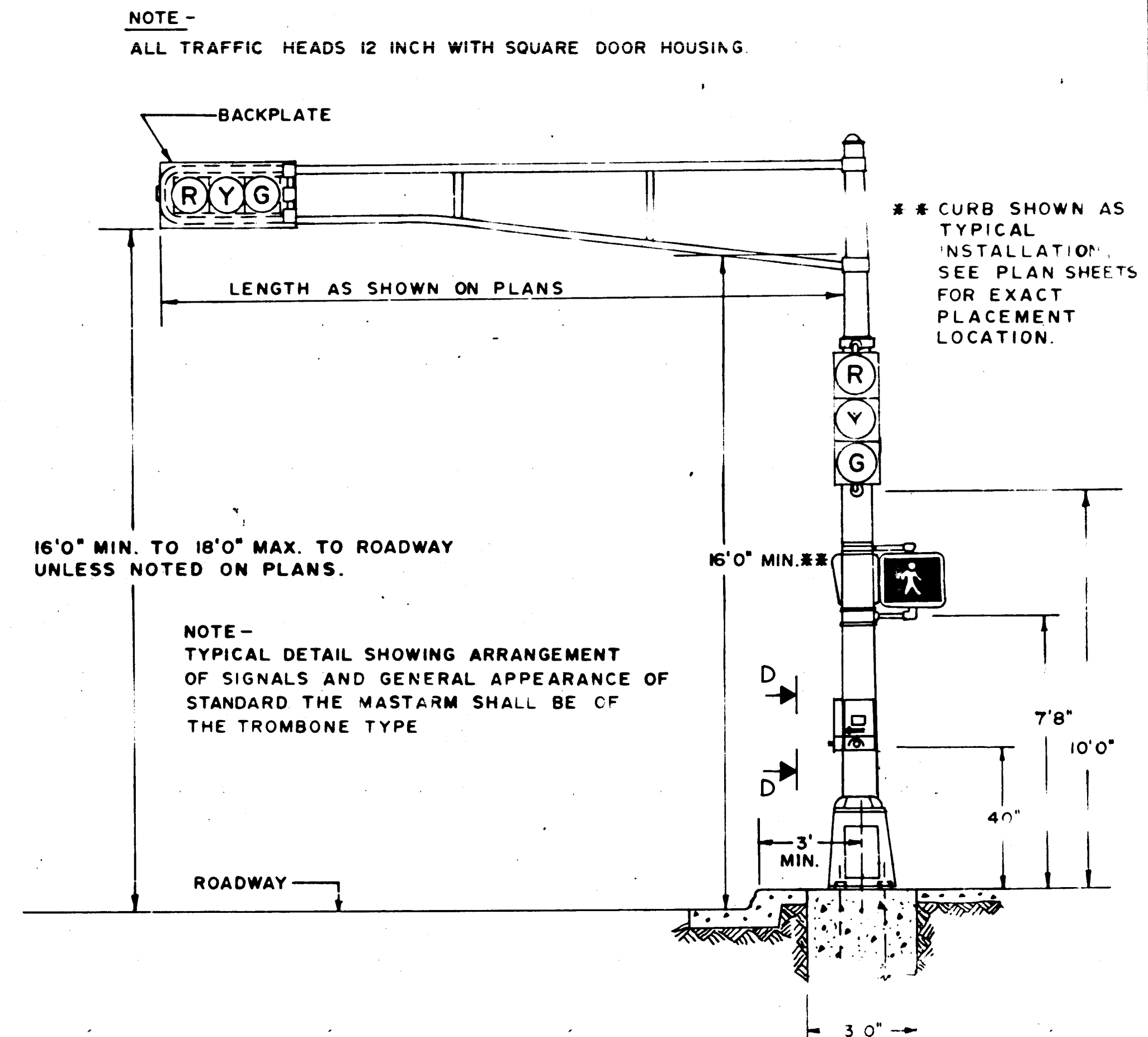
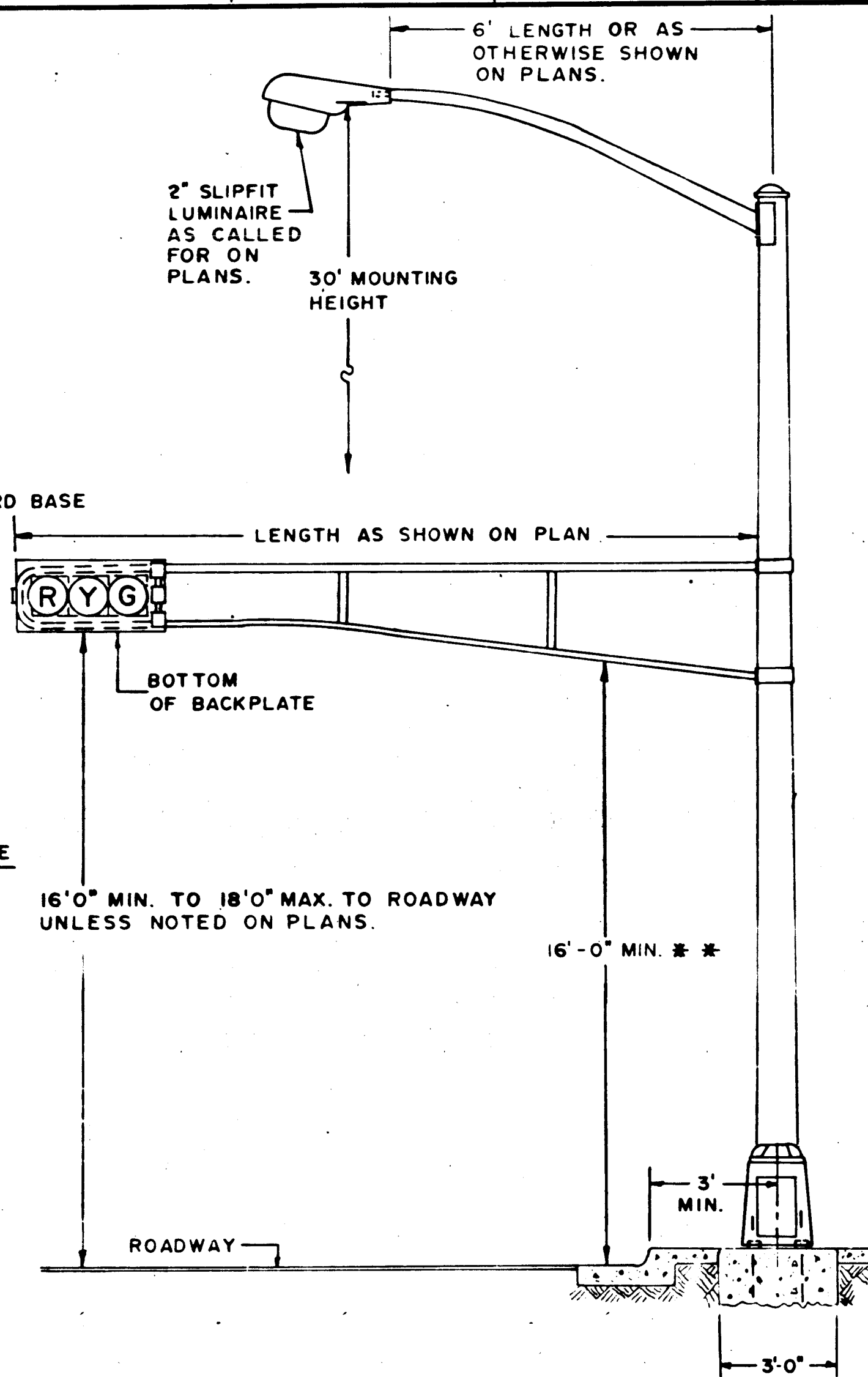


**MOUNTING DETAIL
(TOP OF TYPE I STANDARD)**

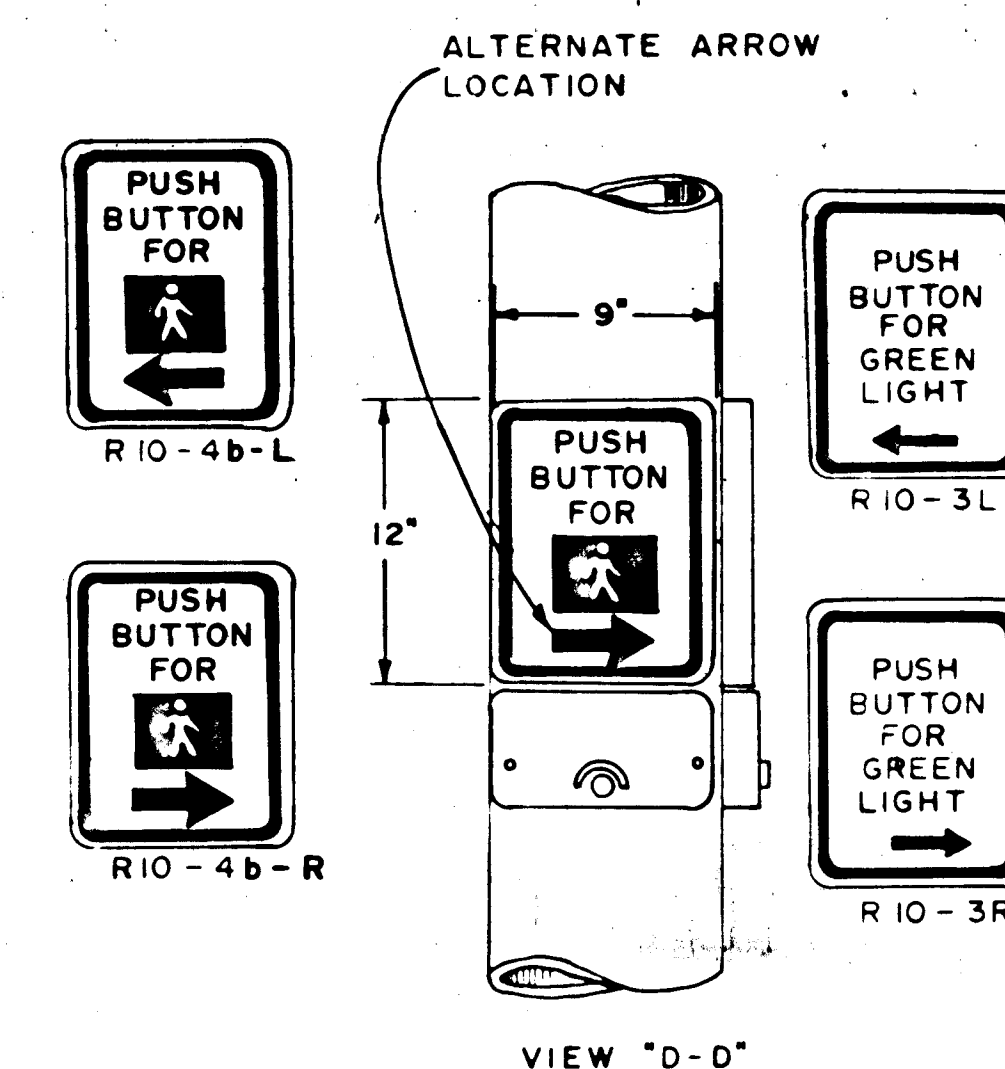


PEDESTRIAN SIGNAL

**COMBINATION TRAFFIC SIGNAL AND LUMINAIRE STANDARD
TYPE III (TYPE "B" ARM)**



TRAFFIC SIGNAL STANDARD DETAIL-TYPE II (TYPE "B" ARM)

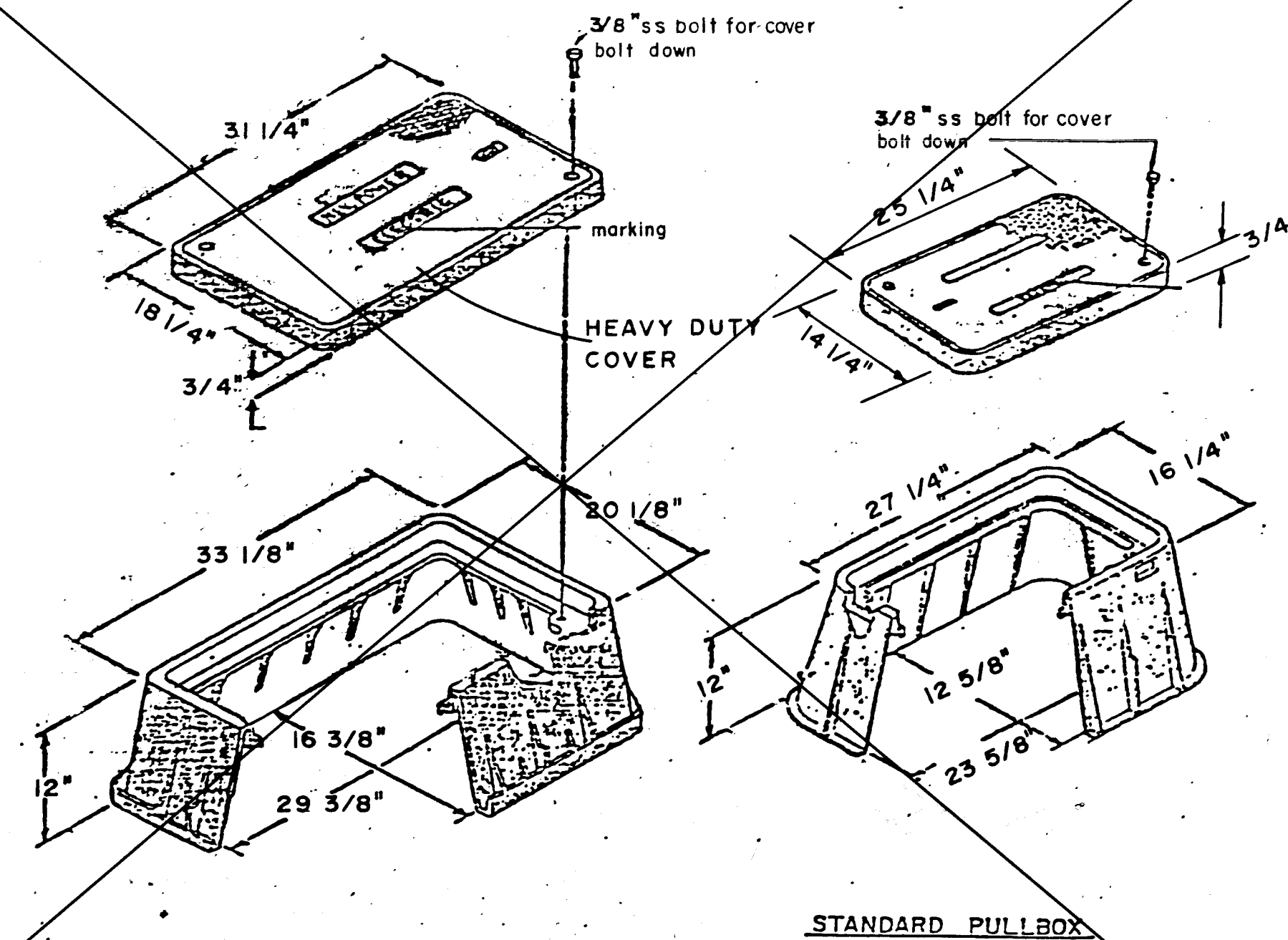


PUSH BUTTON DETAIL

NOTE - SIGN TYPES REQUIRED LISTED
ON PLAN SHEETS

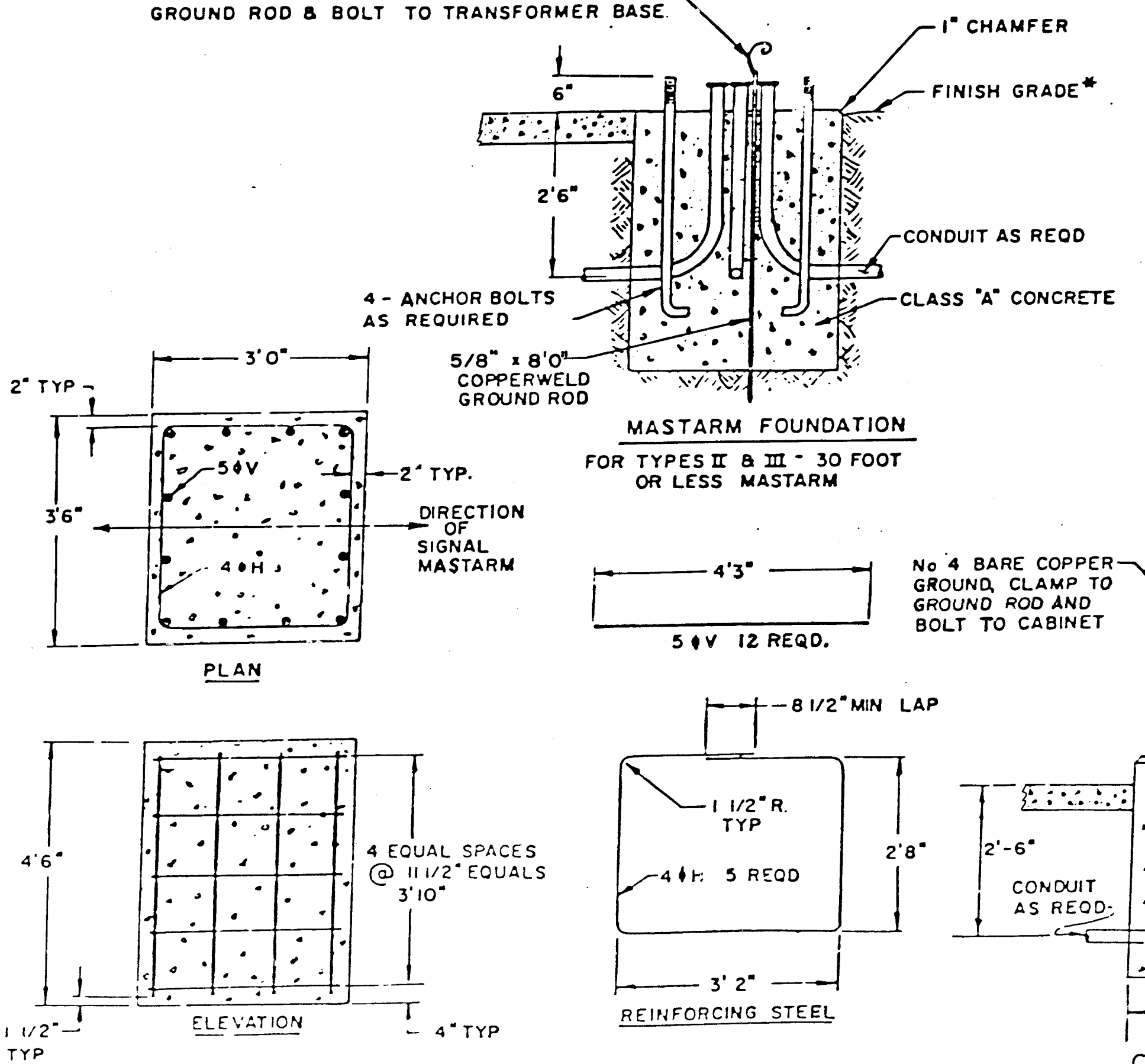
C of A PWD Maps & Records											
1	2	3	4	5	6	7	8	9	10	11	12
26	38	46	12	9	0						
DESCRIPTION REVISIONS (OR CHANGE NOTICES)											
NEW MEXICO STATE HIGHWAY DEPARTMENT											
TRAFFIC SIGNAL STANDARD DETAILS TYPE "B" ARM											
DESIGNED BY-T.V.E.						APPROVAL					
DRAWN BY-J.E.A.						RECOMMENDED-TRAFFIC					
DATE-MARCH 1975						APPROVED					
SEP 2 1975											

THE DIMENSIONS OF THE PULL BOXES SHOWN ARE MINIMUM DIMENSIONS AND MAY VARY AS TO THE MANUFACTURERS' RECOMMENDATIONS. ALL DIMENSIONS SHALL BE VERIFIED BY THE PROJECT MANAGER.

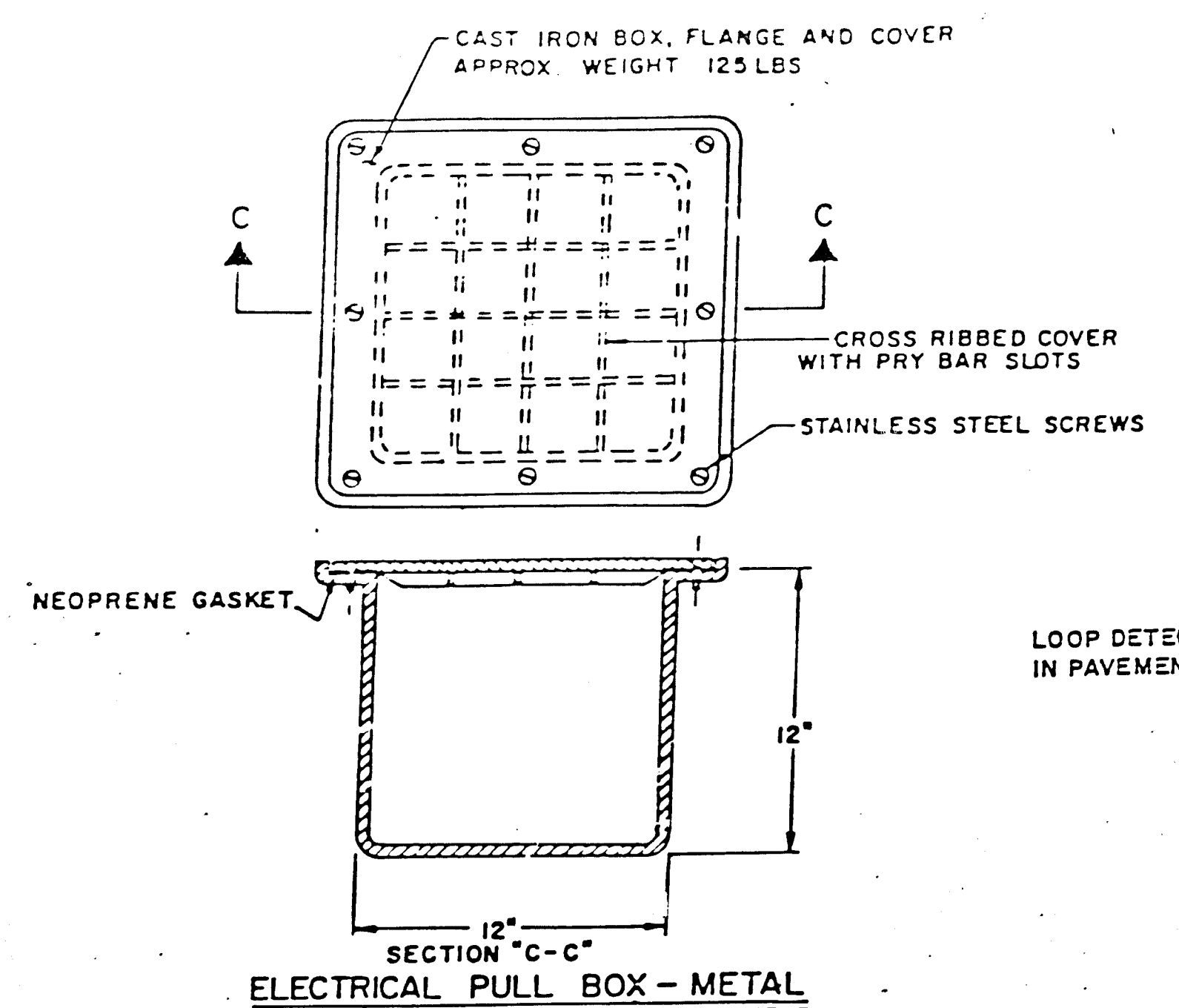


REINFORCED POLYMER MORTAR PULL BOX

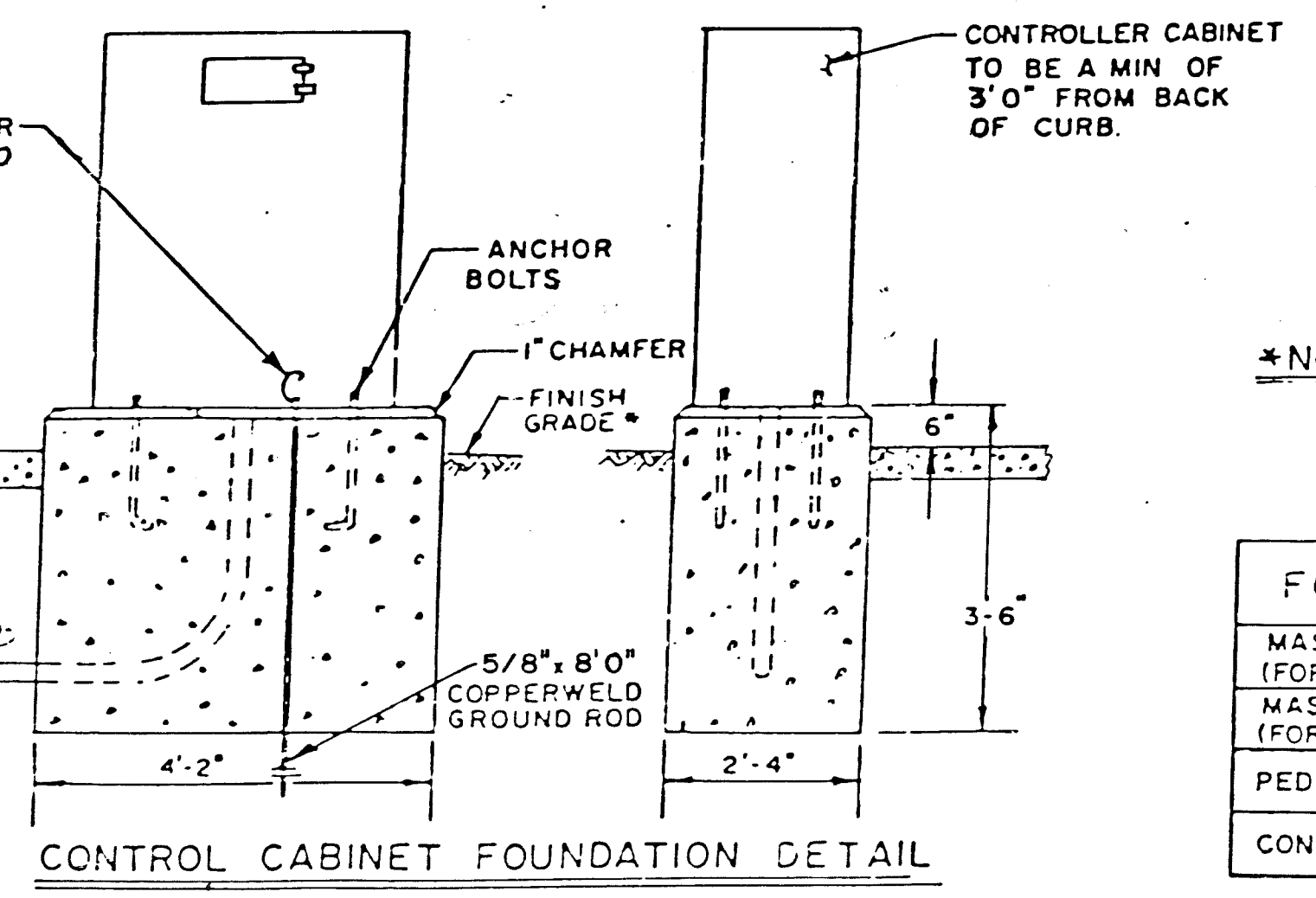
No. 4 BARE COPPER GROUND, CLAMP TO GROUND ROD & BOLT TO TRANSFORMER BASE.



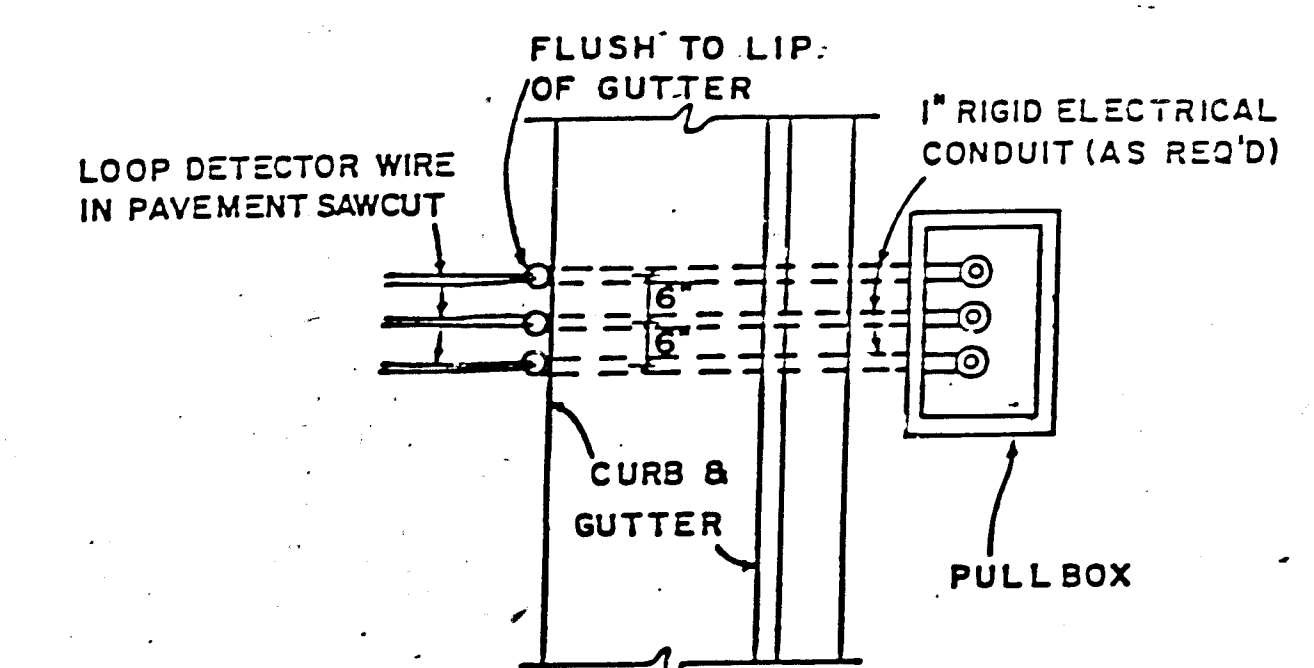
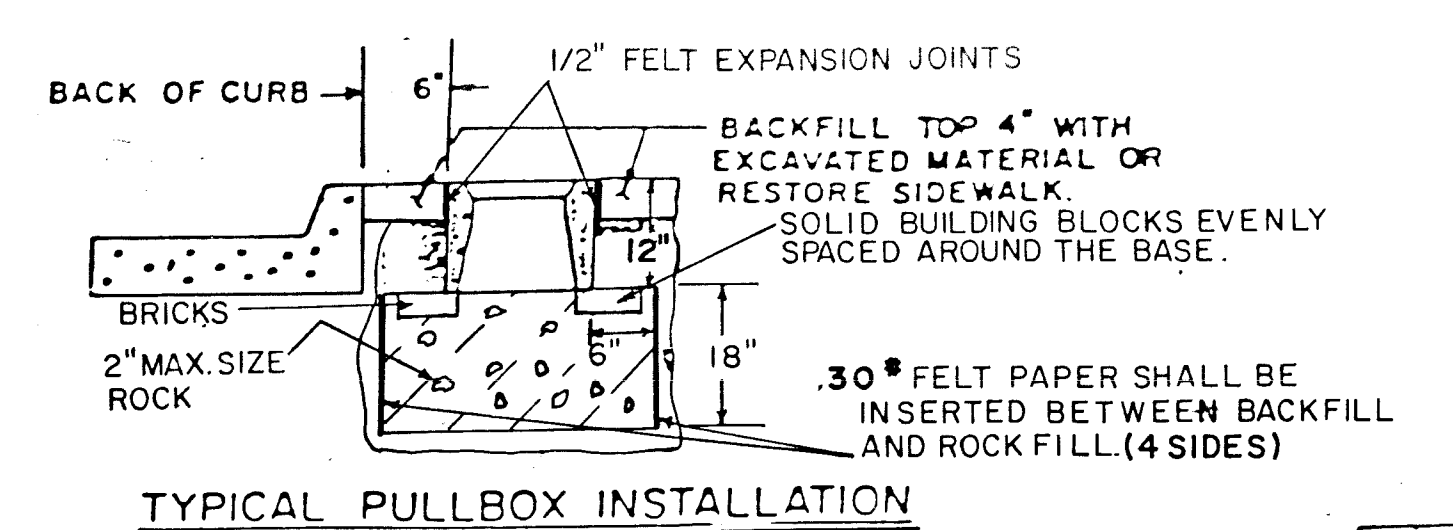
MASTARM FOUNDATION DETAILS - TYPE II & TYPE III STANDARDS
TYPES II & III - 30 FOOT OR LESS MASTARM LENGTH



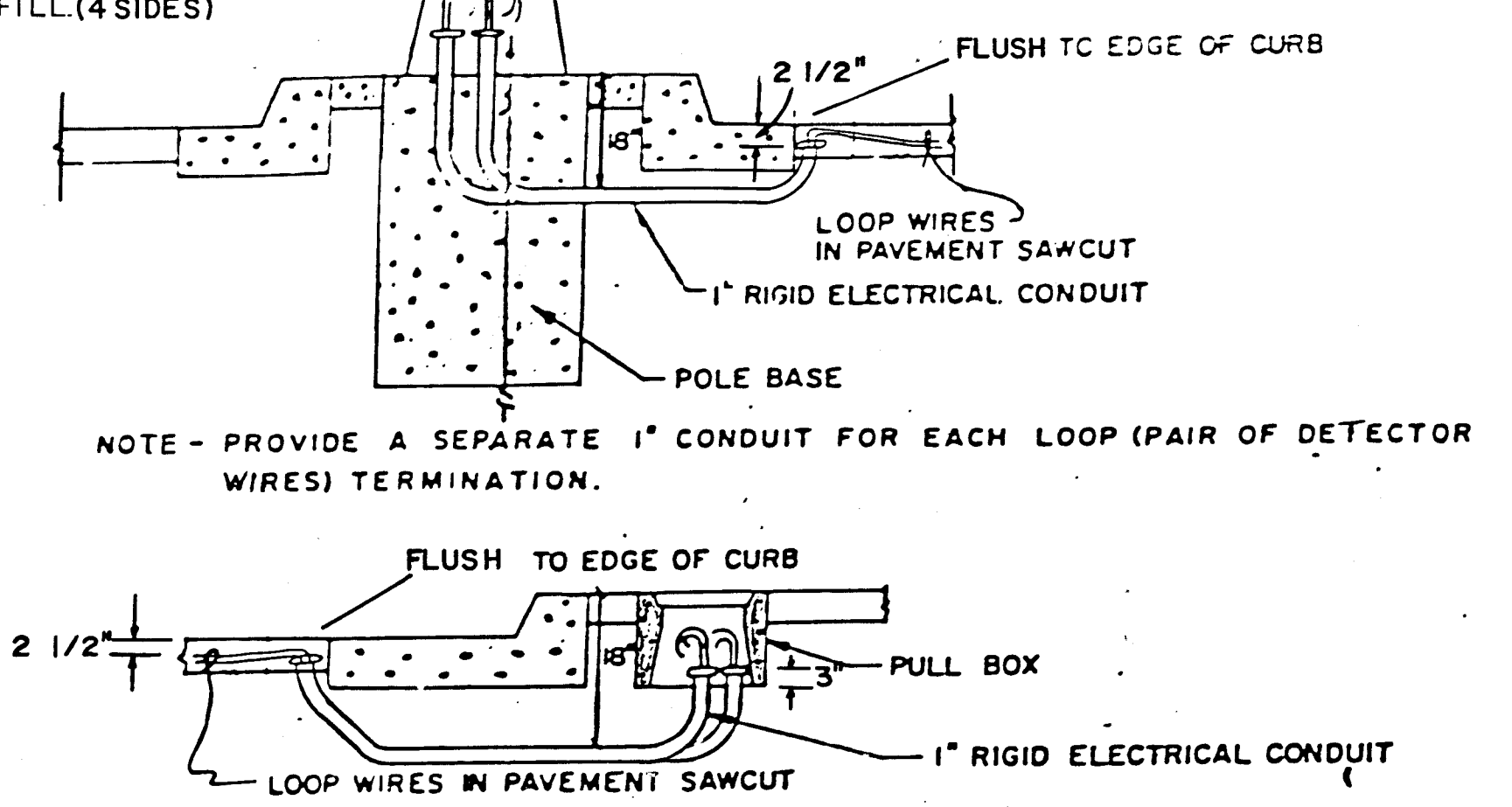
PEDESTAL FOUNDATION DETAILS-TYPE I STANDARD



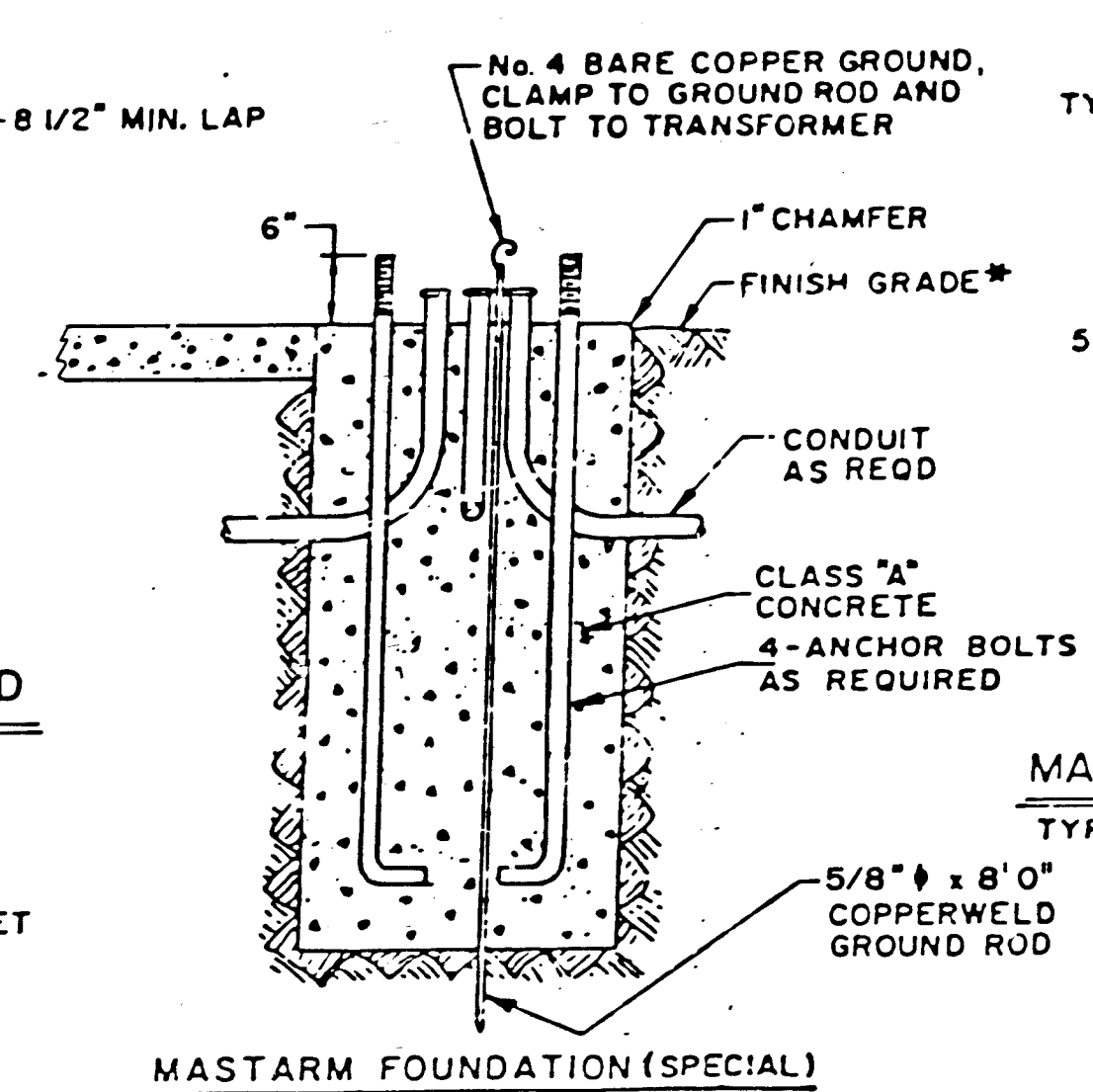
IN THE EVENT THE SUPPLIED CABINET WOULD OVERLAP THE SIDES OF ABOVE FOUNDATION, THE FOUNDATION SHALL BE INCREASED IN SIZE AS DIRECTED BY THE ENGINEER.



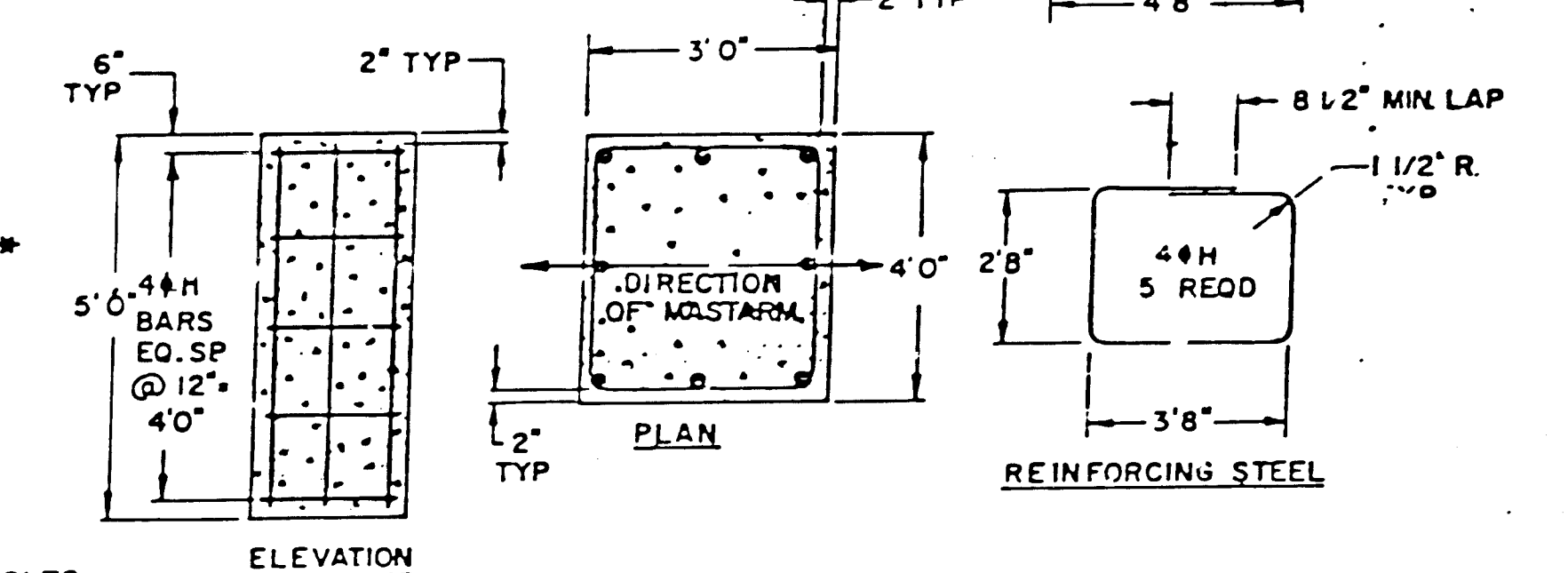
PLAN VIEW - LOOP WIRE TERMINATION DETAILS
NO SCALE



LOOP WIRE TERMINATION DETAILS
NOTE - GROUND LOOP LEAD - IN SHIELD AT CONTROLLER ONLY.



MASTARM FOUNDATION (SPECIAL)



MASTARM FOUNDATIONS (SPECIAL) DETAILS - TYPE II & TYPE III STANDARDS
TYPES II & III - GREATER THAN 30 FOOT MASTARM LENGTH

NOTE - ALL SIGNAL FOUNDATIONS SHALL INCLUDE COPPERWELD GROUND RODS AS SHOWN WHICH SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF FOUNDATION, NO PRICE OR PAYMENT SHALL BE MADE THEREFOR.

*Note: FINISHED GRADE FOR ALL FOUNDATIONS TO BE DETERMINED BY PROJECT ENGINEER. THE TOP OF STANDARD FOUNDATIONS SHALL BE FLUSH WITH ADJACENT SIDEWALK OR PAVED AREAS.

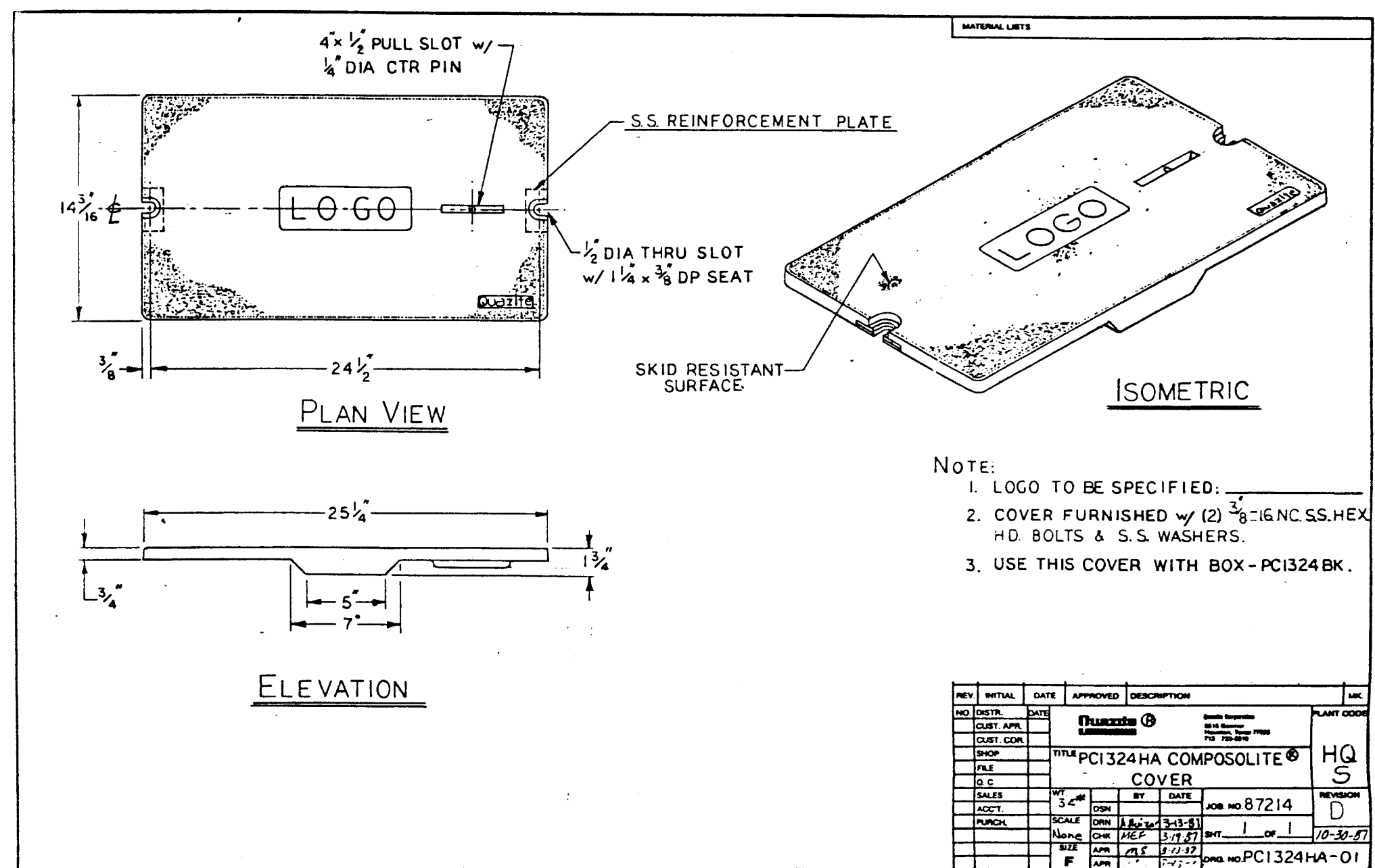
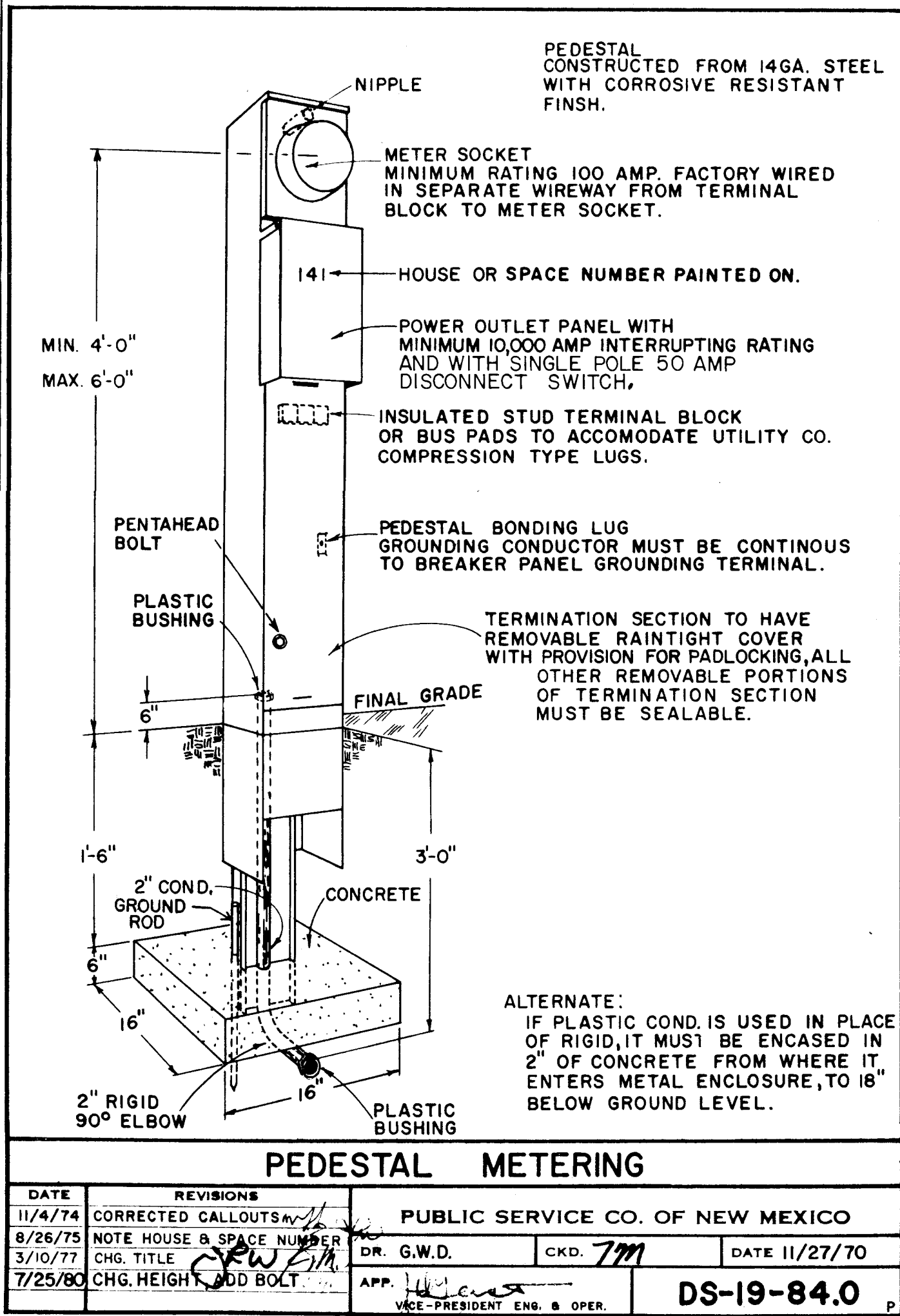
ESTIMATED QUANTITIES **

FOUNDATION	CLASS "A" CONC. CUBIC YARDS	REINFORC BARS POUNDS
MASTARM - TYPES II & III (SPECIAL) (FOR 35 FOOT MASTARM)	2.22	72
MASTARM - TYPES II & III (FOR 30 FOOT OR LESS MASTARM)	1.75	94
PEDESTAL POLE TYPE I	0.52	17
CONTROLLER CABINET	1.26	-

ALTERNATE DESIGNS FOR STANDARD FOUNDATIONS, TO BE SUBMITTED TO THE BRIDGE ENGINEER FOR APPROVAL.

** FOR CONTRACTORS INFORMATION ONLY.

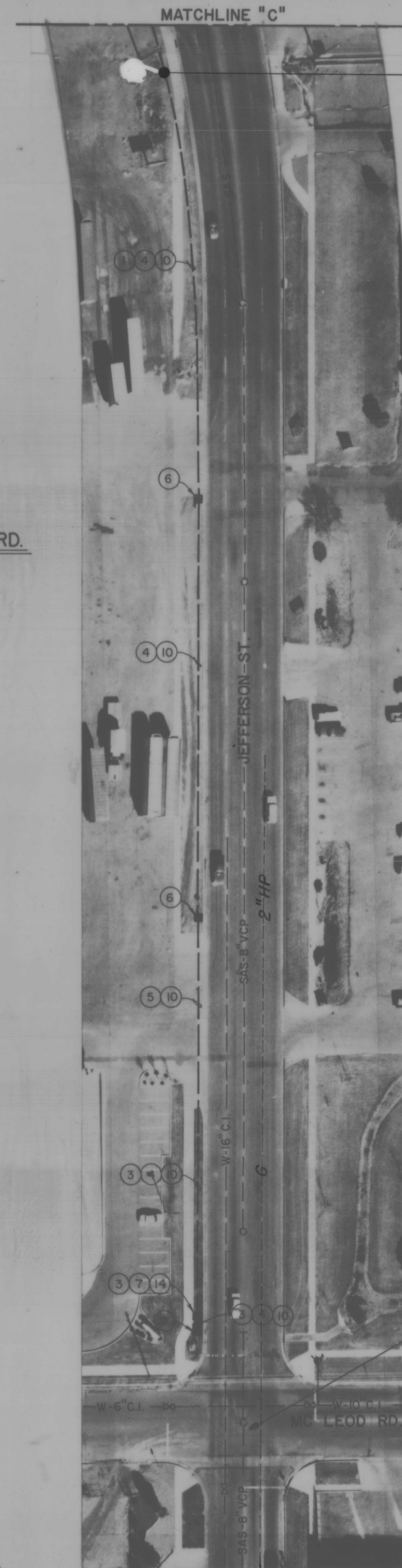
6			
5			
4			
3			
2			
1			
NO	DESCRIPTION	DATE	BY
REVISIONS (OR CHANGE NOTICES)			
NEW MEXICO STATE HIGHWAY DEPARTMENT			
TRAFFIC SIGNAL FOUNDATION AND PULL BOX DETAILS			
DESIGNED BY - T.V.E.	APPROVAL		
DRAWN BY - J.E.A.	RECOMMENDED - TRAFFIC ENGINEER		
DATE - MARCH 1975	APPROVED		
SERIAL -	ENGINEER OF DESIGN		



PULL BOX

[illegible]

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: - DETAILS -					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>[Signature]</i>	<i>9/1/09</i>			
Trans. Dev	<i>N/A</i>				
Utility Dev	<i>N/A</i>				
DRAWING NO.		MAP NO.		SHEET OF	
3846				14 14	

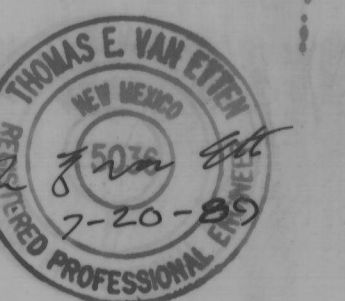


INSTALL NEW TRAFFIC MANHOLE
COIL 100' OF COMMUNICATION CABLE IN MANHOLE

KEYED NOTES

- 1 REMOVE & REPLACE CONCRETE SIDEWALK
- 2 REMOVE & REPLACE ARTERIAL PAVEMENT
- 3 REMOVE & REPLACE LANDSCAPING
- 4 INSTALL RIGID ELECTRICAL CONDUIT 2"
- 5 INSTALL RIGID ELECTRICAL CONDUIT 2" (BORE)
- 6 INSTALL ELECTRICAL PULL BOX (SMALL)
- 7 INSTALL ELECTRICAL PULL BOX (LARGE)
- 8 INSTALL SPLICE CABINET
- 9 NEW TRAFFIC CONTROLLER (SEE SIGNAL PLANS)
- 10 PULL NEW COMMUNICATION CABLE 6 PAIR
- 11 PULL NEW COMMUNICATION CABLE 12 PAIR
- 12 PULL NEW COMMUNICATION CABLE 25 PAIR
- 13 PULL NEW COMMUNICATION CABLE INTO EXISTING SPLICE CABINET AND CONNECT TO EXISTING TERMINALS
- 14 COIL 20' OF COMMUNICATION CABLE IN PULL BOX
- 15 EXISTING CONDUIT TO REMAIN
- 16 EXISTING PULL BOX TO REMAIN
- 17 EXISTING SPLICE CABINET TO REMAIN
- 18 EXISTING TRAFFIC CONTROLLER TO REMAIN
- 19 EXISTING COMMUNICATION CABLE TO REMAIN IN CONDUIT

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1 2 3 4 5 6 7 8 9 10 11 12
26 38 46 08 90



SEE SHEET 7 of 14
FOR SIGNAL PLAN



3			
2			
NO.	DESCRIPTION	DATE	BY
REVISIONS (OR CHANGE NOTICES)			
NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT			
I-25 INTERCONNECT PLAN			

I-25 INTERCONNECT PLAN
SCALE: 1" = 50'