

PLANS SYMBOLS

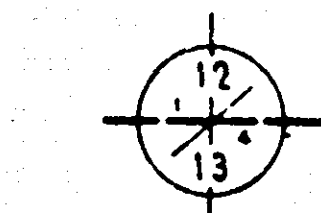
STATE LINE	----
COUNTY LINE	----
TOWNSHIP OR RANGE LINE	----
SECTION LINE	----
QUARTER LINE	----
SIXTEENTH LINE	----
RIGHT-OF-WAY LINE	----
PRESENT RIGHT-OF-WAY LINE	----
CONTROL OF ACCESS LINE	----
PROPERTY LINE (Except Land Lines)	----
VACATED PLATTED PROPERTY	----
CORPORATE OR CITY LIMITS	----
TRUNK HIGHWAY CENTER LINE	----
RETAINING WALL	----
RAILROAD	----
RAILROAD RIGHT-OF-WAY LINE	----
RIVER OR CREEK	----
DRY RUN	----
DRAINAGE DITCH	----
DRAIN TILE	----
CULVERT	----
DROP INLET	----
GUARD RAIL	----
BARBED WIRE FENCE	----
WOVEN WIRE FENCE	----
CHAIN LINK FENCE	----
RAILROAD SNOW FENCE	----
STONE WALL OR FENCE	----
HEDGE	----
RAILROAD CROSSING SIGN	----
RAILROAD CROSSING BELL	----
ELECTRIC WARNING SIGN	----
CROSSING GATE	----
MEANDER CORNER	----

SPRINGS	----
MARSH	----
TIMBER	----
ORCHARD	----
BRUSH	----
NURSERY	----
CATCH BASIN	C.B. □
FIRE HYDRANT	----
CATTLE GUARD	----
OVERPASS (Highway Over)	----
UNDERPASS (Highway Under)	----
BRIDGE	----
BUILDING (One Story Frame)	----
F-FRAME	----
S-STONE	----
B-BRICK	----
ST-STUCCO	----
IRON PIPE OR ROD	----
MONUMENT (STONE, CONCRETE, OR METAL)	----
WOODEN HUB	----
GRAVEL PIT	----
SAND PIT	----
BORROW PIT	----
ROCK QUARRY	----

UTILITIES SYMBOLS

POWER POLE LINE	----
TELEPHONE OR TELEGRAPH POLE LINE	----
JOINT TELEPHONE AND POWER OR POWER POLES	----
OR TELEPHONE POLES	----
ANCHOR	----
STEEL TOWER	----
STREET LIGHT	----
PEDESTAL (TELEPHONE CABLE TERMINAL)	----
GAS MAIN	----
WATER MAIN	----

CONDUIT	----
TELEPHONE CABLE IN CONDUIT	----
ELECTRIC CABLE IN CONDUIT	----
TELEPHONE MANHOLE	----
ELECTRIC MANHOLE	----
BURIED TELEPHONE CABLE	----
BURIED ELECTRIC CABLE	----
AERIAL TELEPHONE CABLE	----
SEWER, (SANITARY OR STORM)	----
SEWER MANHOLE	----



NOTE: SECTION NUMBERS READ FROM THE SOUTH.

PIT DATA

PIT NO.	Located in Dead Haul
PIT NO.	Located in Dead Haul
PIT NO.	Located in Dead Haul
PIT NO.	Located in Dead Haul

SPECIFICATIONS

THE "SPECIFICATIONS FOR HIGHWAY CONSTRUCTION" DATED JANUARY 1, 1964 AS AMENDED BY SUPPLEMENTAL SPECIFICATIONS DATED FEBRUARY 1, 1966 SHALL GOVERN.

OFFICE OF COUNTY ENGINEER

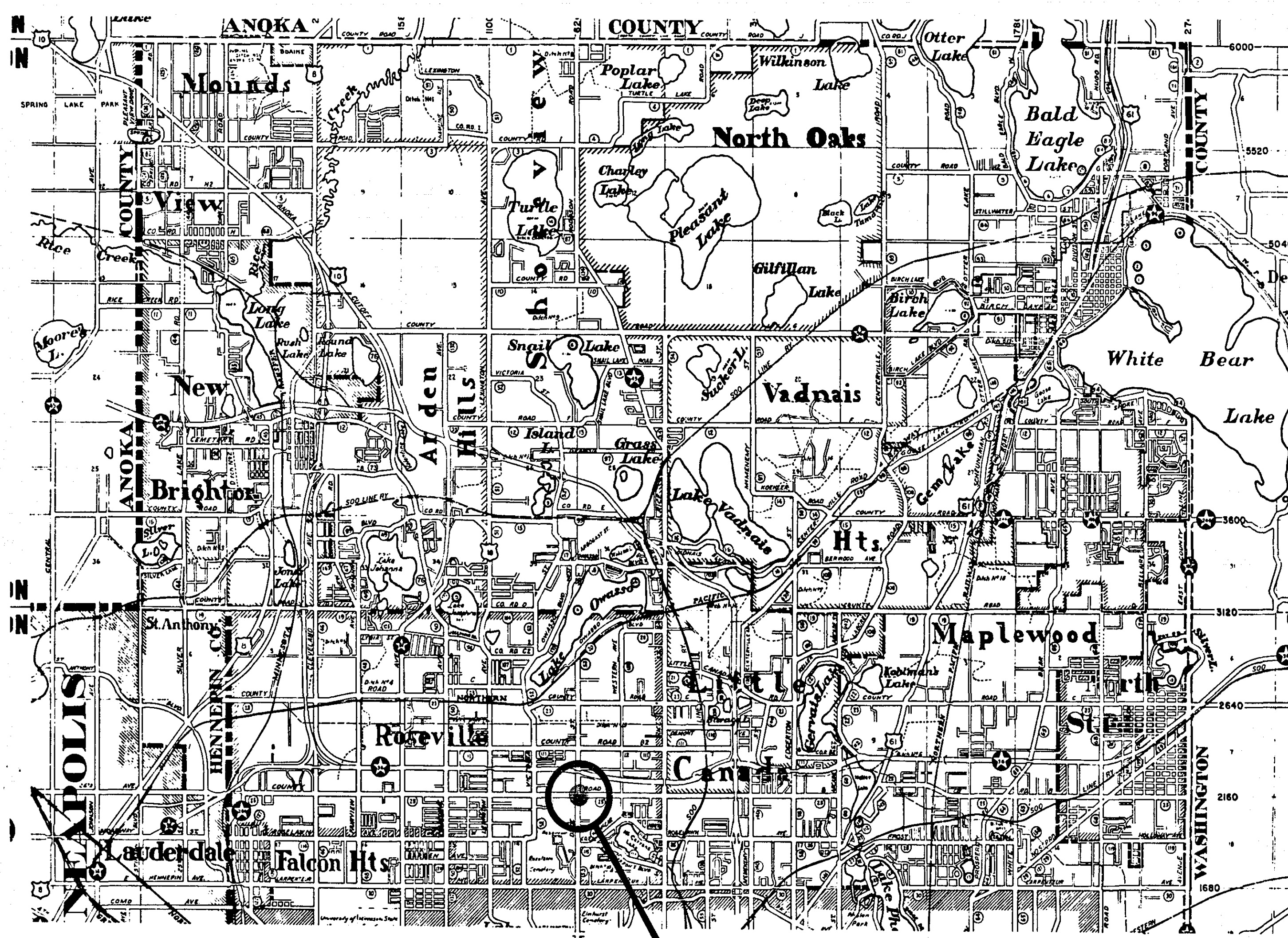
RAMSEY COUNTY

PLAN OF TRAFFIC CONTROL SYSTEM FOR THE INTERSECTION OF COUNTY ROAD 'B' AND DALE ST.

DESCRIPTION: THE SOUTHWEST CORNER OF SECTION 12, T.29N., R.23W.

S.A.P. 62-625-03

SCALES	PLAN, 1 inch = 100 Feet
	PROFILE, Horiz. 1 inch = 50 Feet Vert. 1 inch = 5 Feet
	WORKING PLANS, Horiz. 1 inch = 100 Feet Vert. 1 inch = 10 Feet
	LAYOUT, 1 inch = 2640 Feet



INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2 & 3	DETAILS
4	FIELD WIRING DIAGRAM
5	INTERSECTION LAYOUT

THIS PLAN CONTAINS 5 SHEETS

DESIGNED BY Wm. V. Chenoweth DATE 6-20-67
DIRECTOR OF SAFETY

RECOMMENDED FOR APPROVAL [Signature] DATE 8-3-67
COUNTY ENGINEER

APPROVED [Signature] DATE _____
CHAIRMAN OF THE RAMSEY COUNTY BOARD

APPROVED _____ DATE _____
MAYOR, VILLAGE OF ROSEVILLE

MINNESOTA STATE HIGHWAY DEPARTMENT

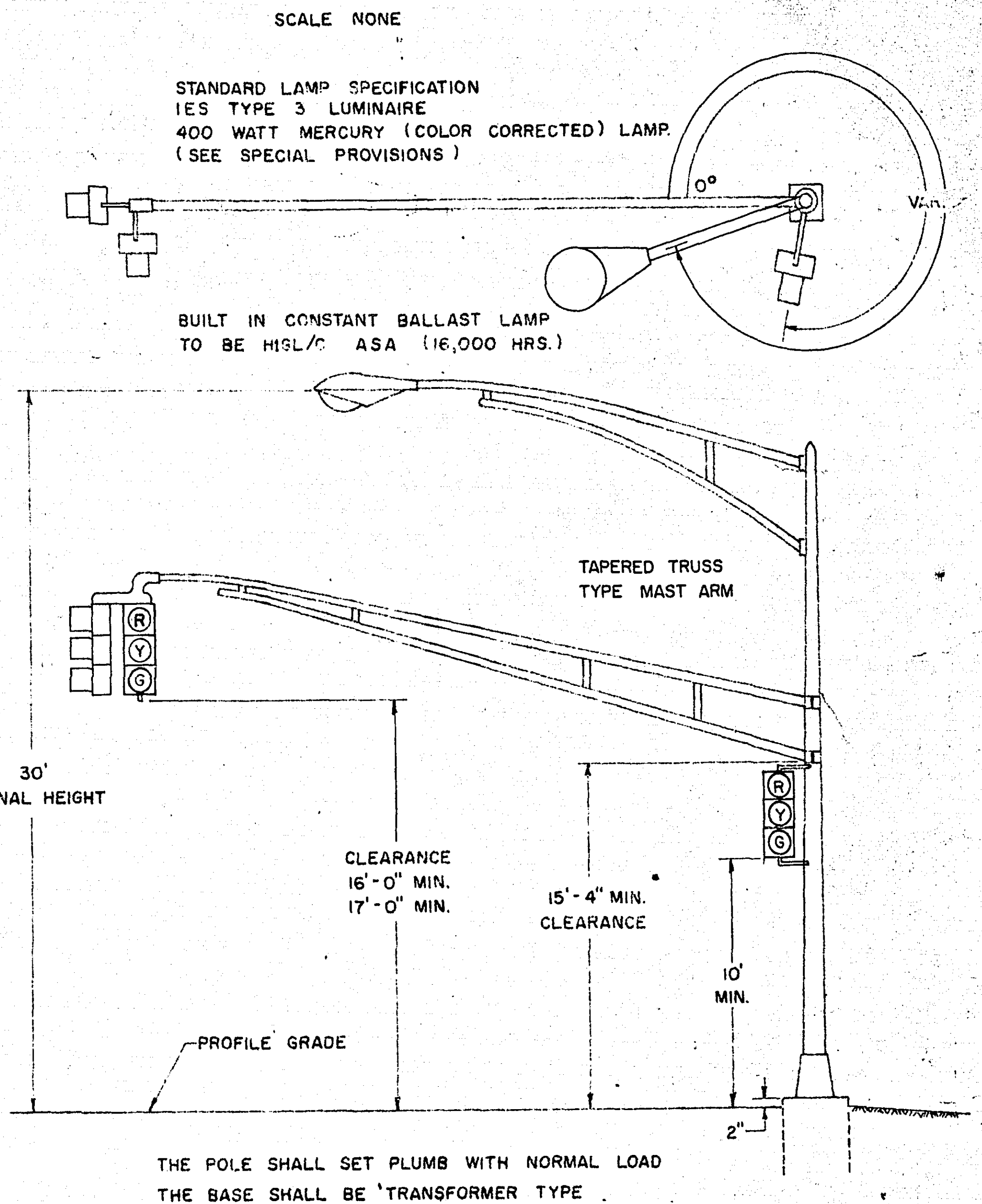
RECOMMENDED FOR APPROVAL [Signature] DATE 9-10-67
DIST. TRAFFIC ENGINEER

RECOMMENDED FOR APPROVAL [Signature] DATE 8-10-67
DISTRICT STATE AID ENGINEER

RECOMMENDED FOR APPROVAL [Signature] DATE 8-10-67
STATE AID ENGINEER

APPROVED [Signature] DATE 8-10-67
STATE AID ENGINEER

MAST ARM TRAFFIC SIGNAL POLE

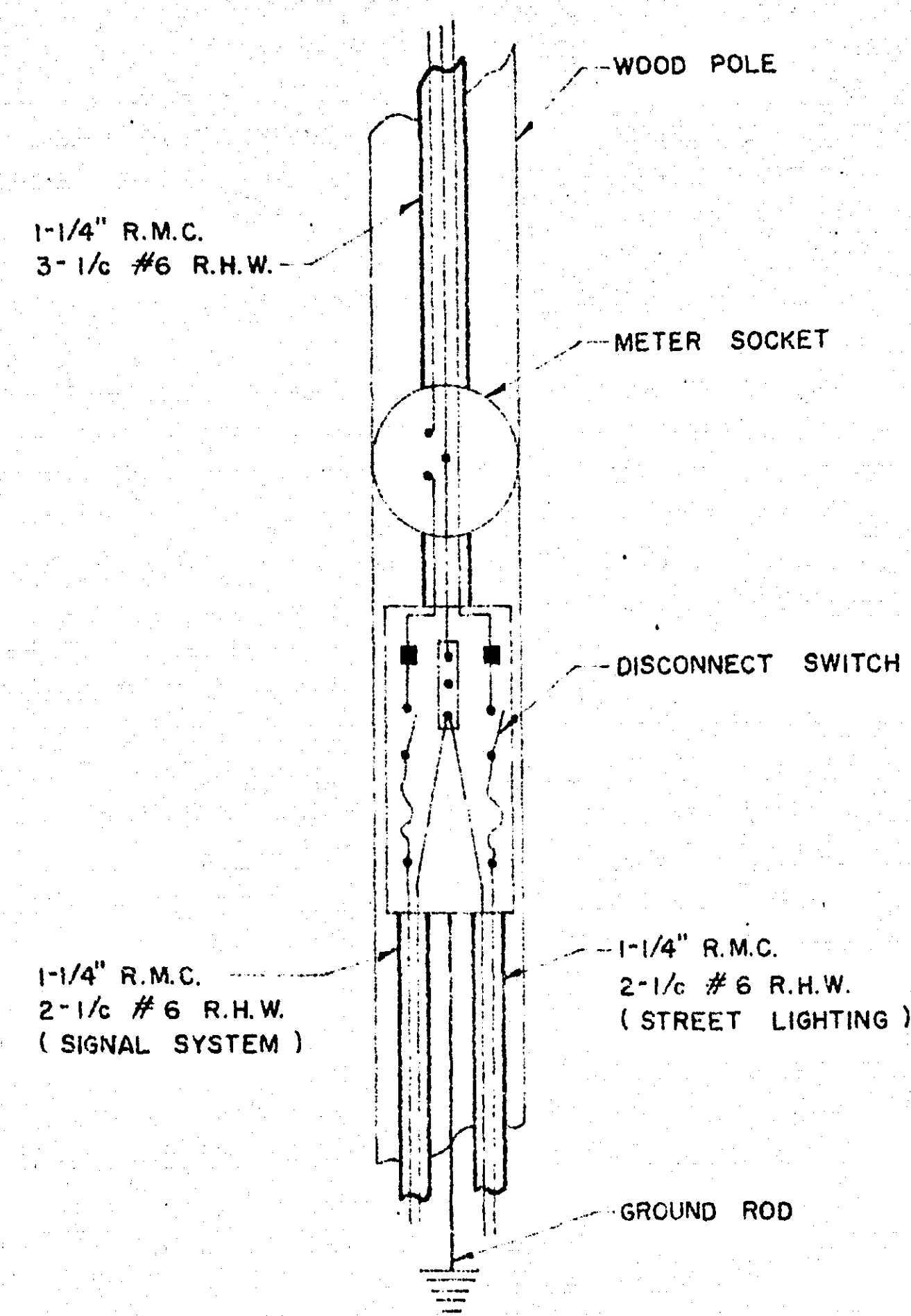


1/8 to 12 Max. Slope on walls will be permitted for stripping forms.

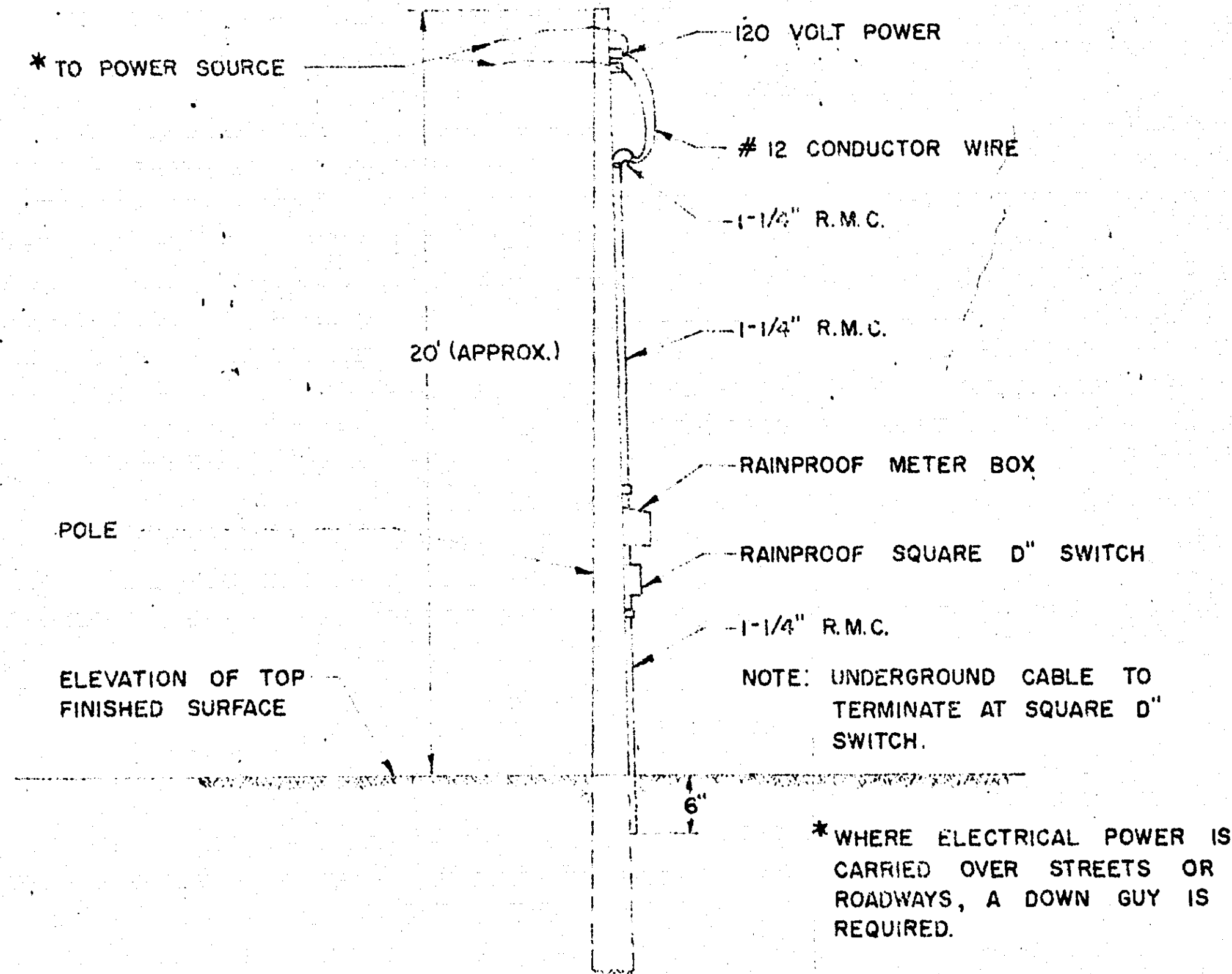
METER AND DISCONNECT DETAIL

SCALE: NONE

HOOKUP FOR LIGHTING AND
SIGNAL (120/240 VOLTS)



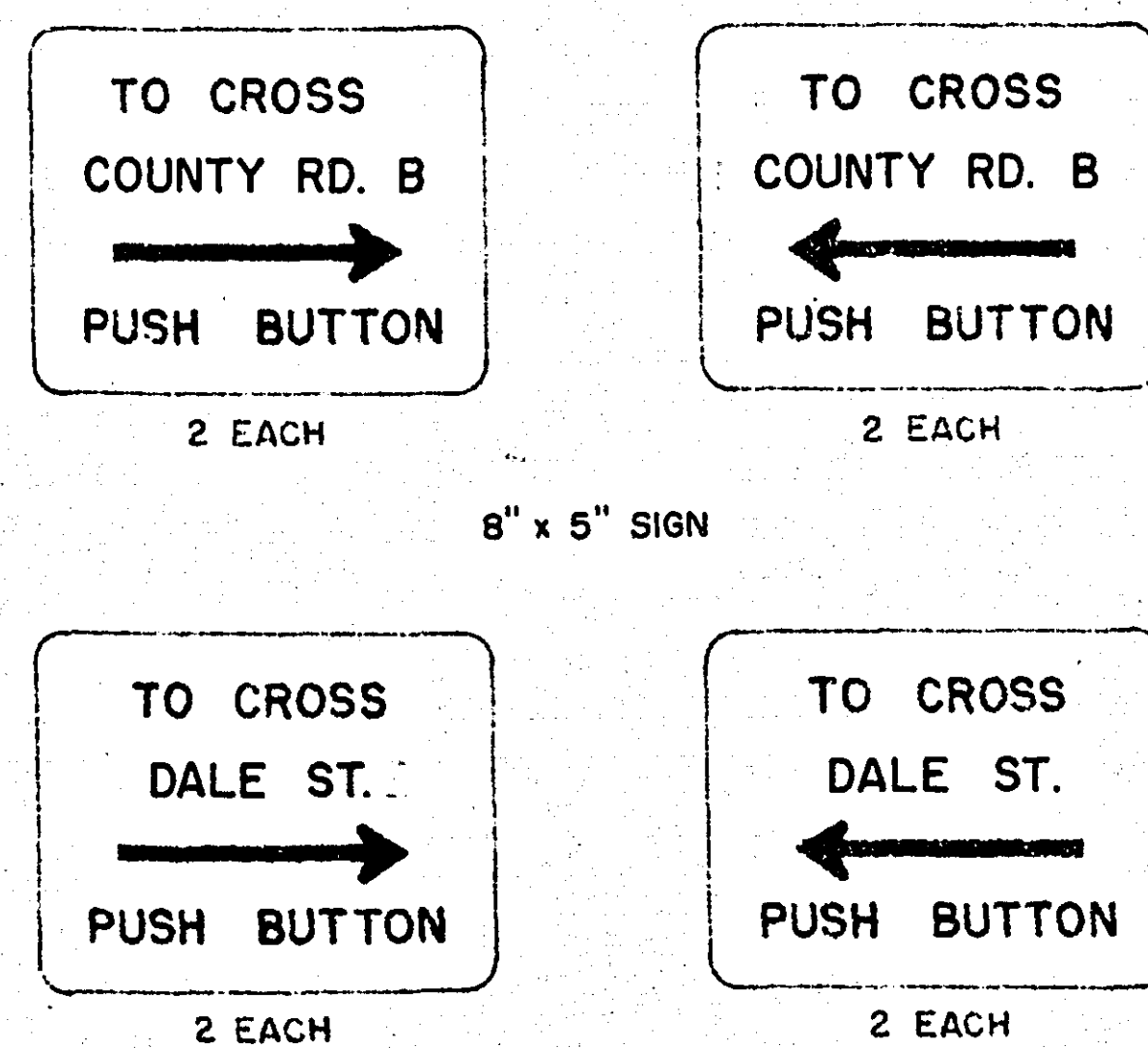
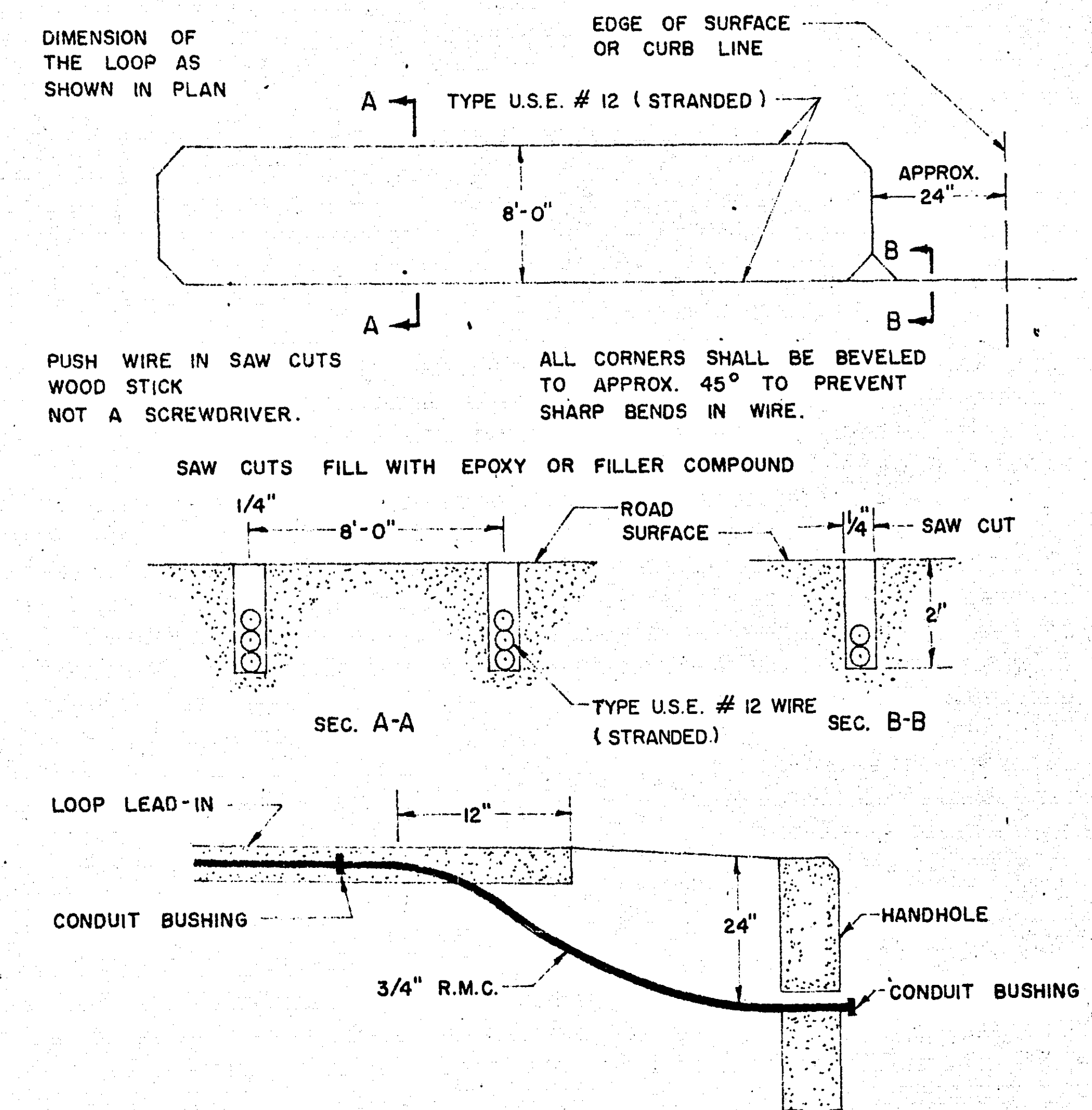
POLE FOR POWER CONNECTION



DETECTION LOOP INSTALLATION

DETAIL NO. 2

SCALE: NONE



DETAIL NO. 3 PEDESTRIAN INSTRUCTION SIGNS

SCALE: NONE

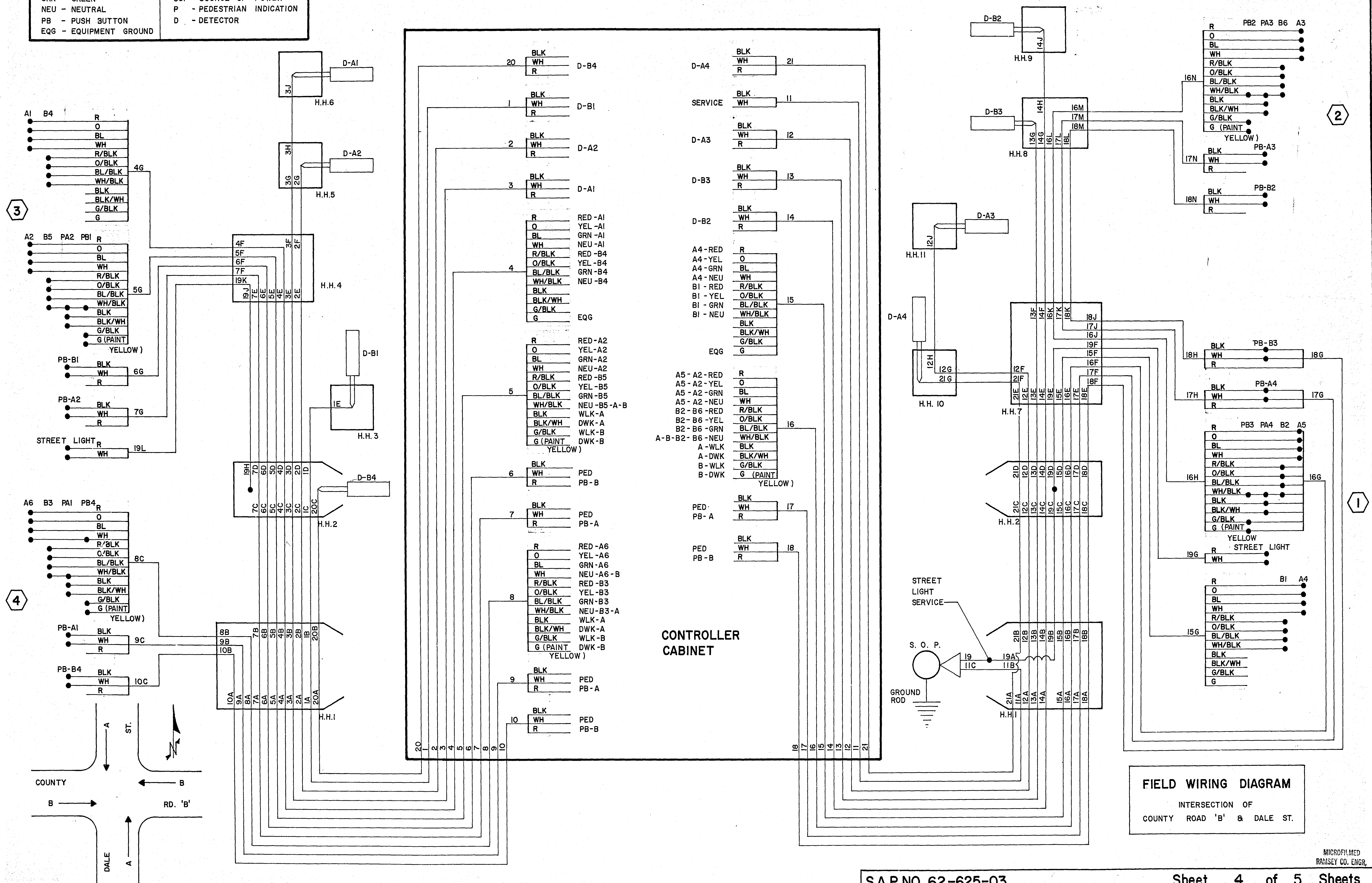
S.A.P. NO. 62-625-03

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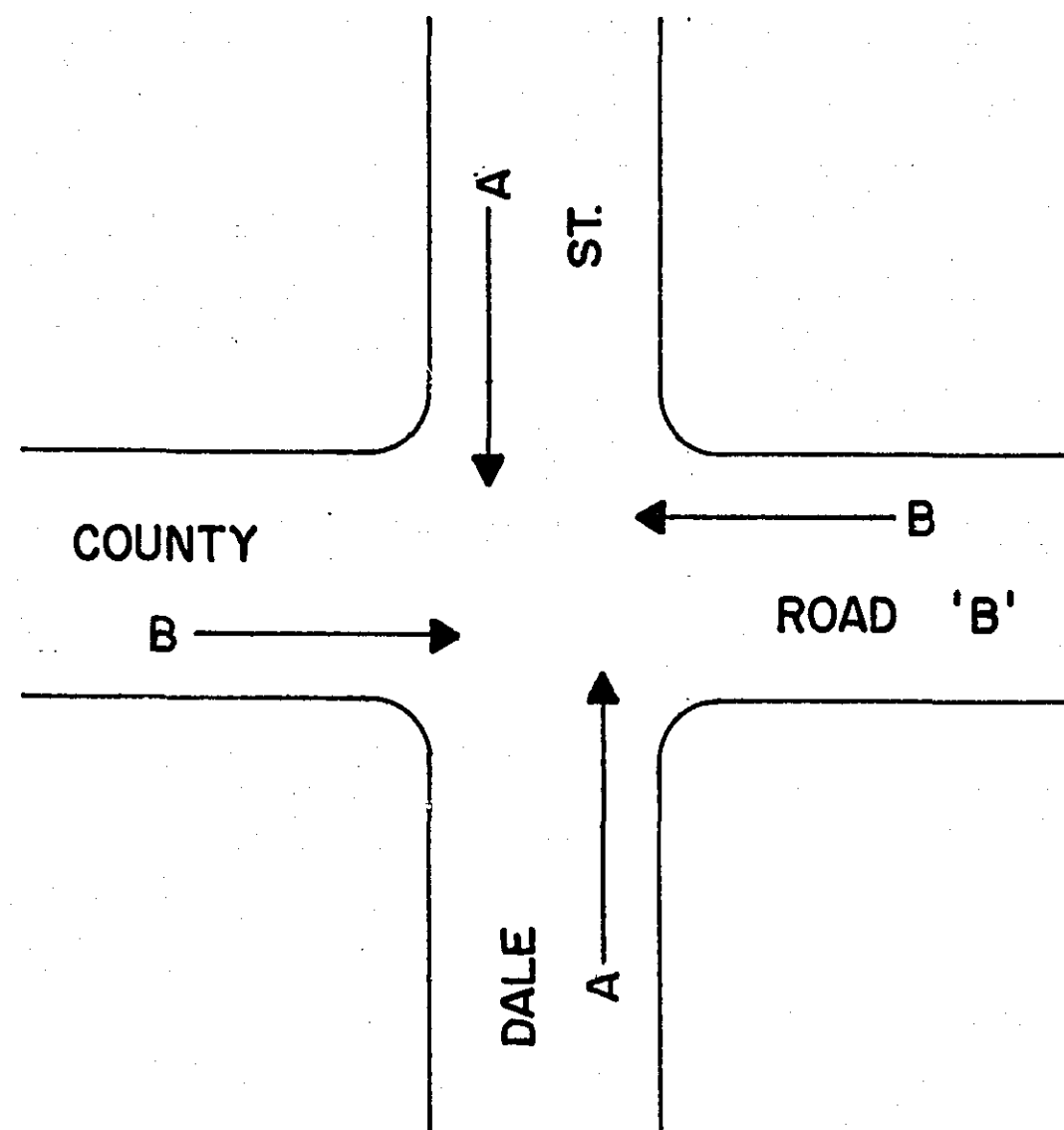
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RAMSEY CO. ENGR.

17-103

RED - RED	WLK - WALK
YEL - YELLOW	DWK - DONT WALK
GRN - GREEN	SOP - SOURCE OF POWER
NEU - NEUTRAL	P - PEDESTRIAN INDICATION
PB - PUSH BUTTON	D - DETECTOR
EQG - EQUIPMENT GROUND	



LEGEND OF SYMBOLS	
	CONTROLLER
	PEDESTAL
	HANDHOLE (PULLBOX)
	RIGID METALLIC CONDUIT (R.M.C.)
	MAST ARM & POLE
	SIGNAL FACE
	SIGNAL FACE WITH BACKGROUND SHIELD
	MAST ARM & LUMINAIRE
	PEDESTRIAN INDICATION
	PEDESTRIAN PUSH BUTTON
	SOURCE OF POWER
	METAL GUARD POST



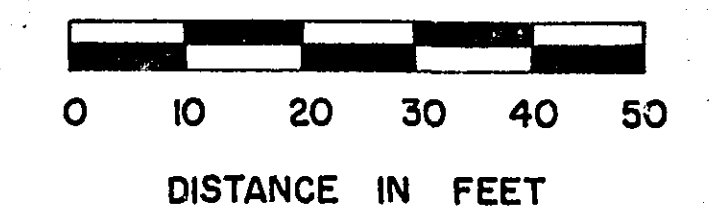
FACE	PHASE	FLASH	INDICATION SIZE			R	Y	G	←	↑	→
A1	A	R	12"	12"	12"	-	-	-	-	-	-
A2	A	R	12"	12"	12"	-	-	-	-	-	-
A3	A	R	12"	12"	12"	-	-	-	-	-	-
A4	A	R	12"	12"	12"	-	-	-	-	-	-
A5	A	R	12"	12"	12"	-	-	-	-	-	-
A6	A	R	12"	12"	12"	-	-	-	-	-	-
B1	B	R	12"	12"	12"	-	-	-	-	-	-
B2	B	R	12"	12"	12"	-	-	-	-	-	-
B3	B	R	12"	12"	12"	-	-	-	-	-	-
B4	B	R	12"	12"	12"	-	-	-	-	-	-
B5	B	R	12"	12"	12"	-	-	-	-	-	-
B6	B	R	12"	12"	12"	-	-	-	-	-	-

COUNTY

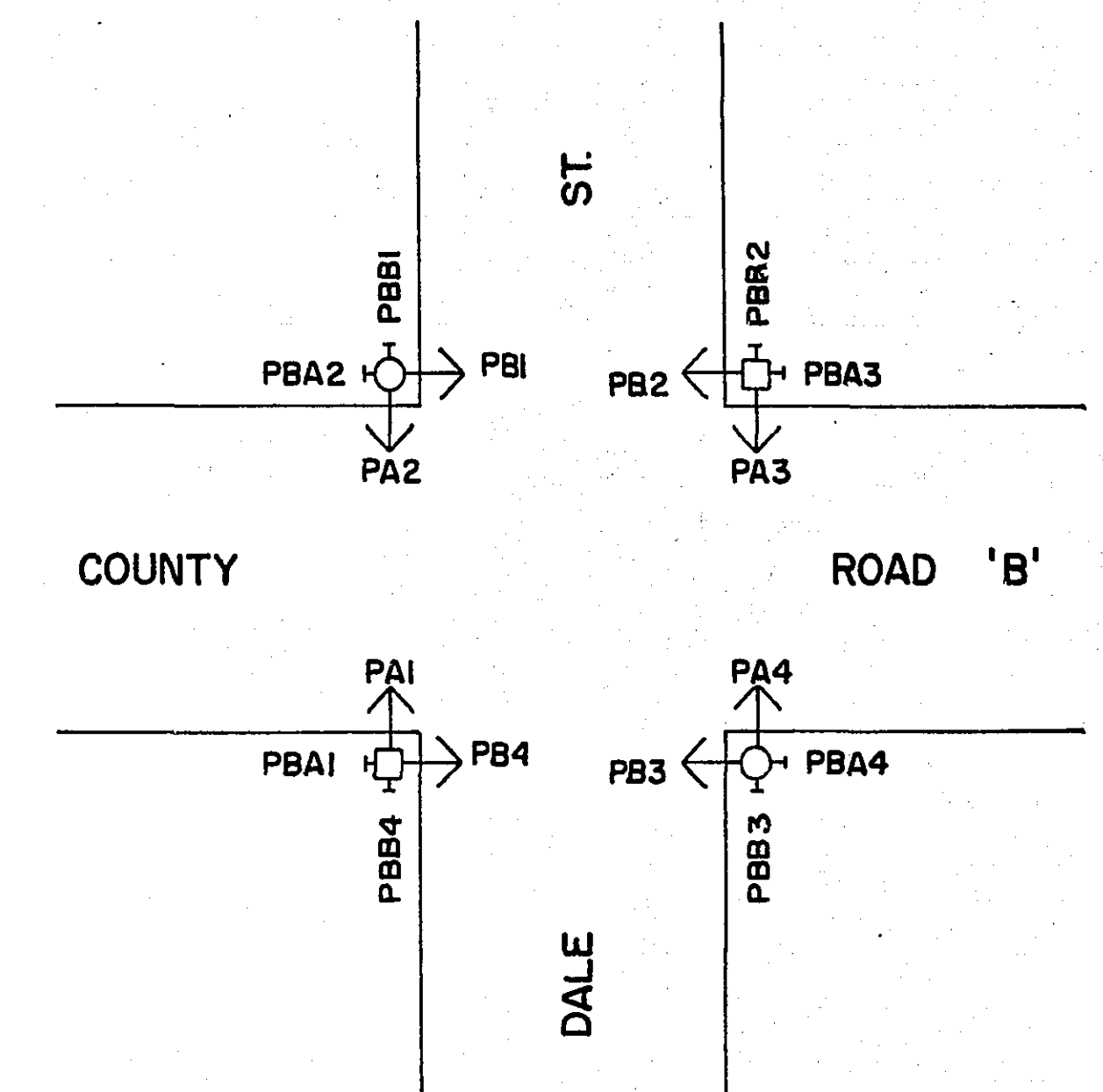
ROAD 'B'

DALE

COUNTY ROAD "B" & DALE ST.



PED. IND. & PUSHBUTTON LAYOUT



NOTE: 3" R.M.C. INPLACE BETWEEN PULLBOXES 8-7, 7-2, 2-4

8' x 18' LOOP DETECTOR
(SEE DETAIL NO. 2)

1-1/4" R.M.C.
1- 3/c # 12

8' x 18' LOOP DETECTOR
(SEE DETAIL NO. 2)

1-1/4" R.M.C.
2- 3/c # 12

35' MAST ARM AND POLE WITH SHAFT EXTENSION
15' MAST ARM AND LUMINAIRE (45°)
2- TOWAY SIGNALS (OVERHEAD)
2- TOWAY SIGNALS (POLE MTD. 320°)
2- SETS PEDESTRIAN INDICATIONS
2- PEDESTRIAN PUSH BUTTONS

3" R.M.C.
2- 12/c # 12
2- 3/c # 12
2- 1/c # 6 TYPE R.H.W. OR T.H.W.

3" R.M.C. INPLACE
2- 12/c # 12
4- 3/c # 12
2- 1/c # 6 TYPE R.H.W. OR T.H.W.

8' x 20' LOOP DETECTOR
(SEE DETAIL NO. 2)

8' x 20' LOOP DETECTOR
(SEE DETAIL NO. 2)

1-1/4" R.M.C.
1- 3/c # 12

3" R.M.C.
4- 12/c # 12
12- 3/c # 12
2- 1/c # 6 TYPE R.H.W. OR T.H.W.

3" R.M.C. INPLACE
2- 12/c # 12
6- 3/c # 12
2- 1/c # 6 TYPE R.H.W. OR T.H.W.

1-10' SIGNAL PEDESTAL (TRANSFORMER BASE)
2- TOWAY SIGNAL
2- SETS PEDESTRIAN INDICATIONS
2- PEDESTRIAN PUSH BUTTONS

2" R.M.C.
1- 12/c # 12
2- 3/c # 12

1-1/4" R.M.C.
4- 1/c # 6 TYPE R.H.W. OR T.H.W.

2- 3" R.M.C.
5- 12/c # 12
14- 3/c # 12
2- 1/c # 6 TYPE R.H.W. OR T.H.W.

CONTROLLER AND CABINET
(SEE SPECIAL PROVISION)

SOURCE OF POWER
SERVICE EQUIPMENT

8' x 18' LOOP DETECTOR
(SEE DETAIL NO. 2)

1-10' SIGNAL PEDESTAL (TRANSFORMER BASE)
2- TOWAY SIGNAL
2- SETS PEDESTRIAN INDICATIONS
2- PEDESTRIAN PUSH BUTTONS

2" R.M.C.
1- 12/c # 12
2- 3/c # 12

8' x 20' LOOP DETECTOR
(SEE DETAIL NO. 2)

1-1/4" R.M.C.
1- 3/c # 12

8' x 20' LOOP DETECTOR
(SEE DETAIL NO. 2)

3" R.M.C. INPLACE
1- 12/c # 12
4- 3/c # 12

3" R.M.C.
2- 12/c # 12
2- 3/c # 12
2- 1/c # 6 TYPE R.H.W. OR T.H.W.

35' MAST ARM AND POLE WITH SHAFT EXTENSION
15' MAST ARM AND LUMINAIRE (45°)
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1-1/4" R.M.C.
2- 3/c # 12

1-1/4" R.M.C.
1- 3/c # 12

8' x 18' LOOP DETECTOR
(SEE DETAIL NO. 2)

S.A.P. NO. 62-625-03

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