

PLANS SYMBOLS

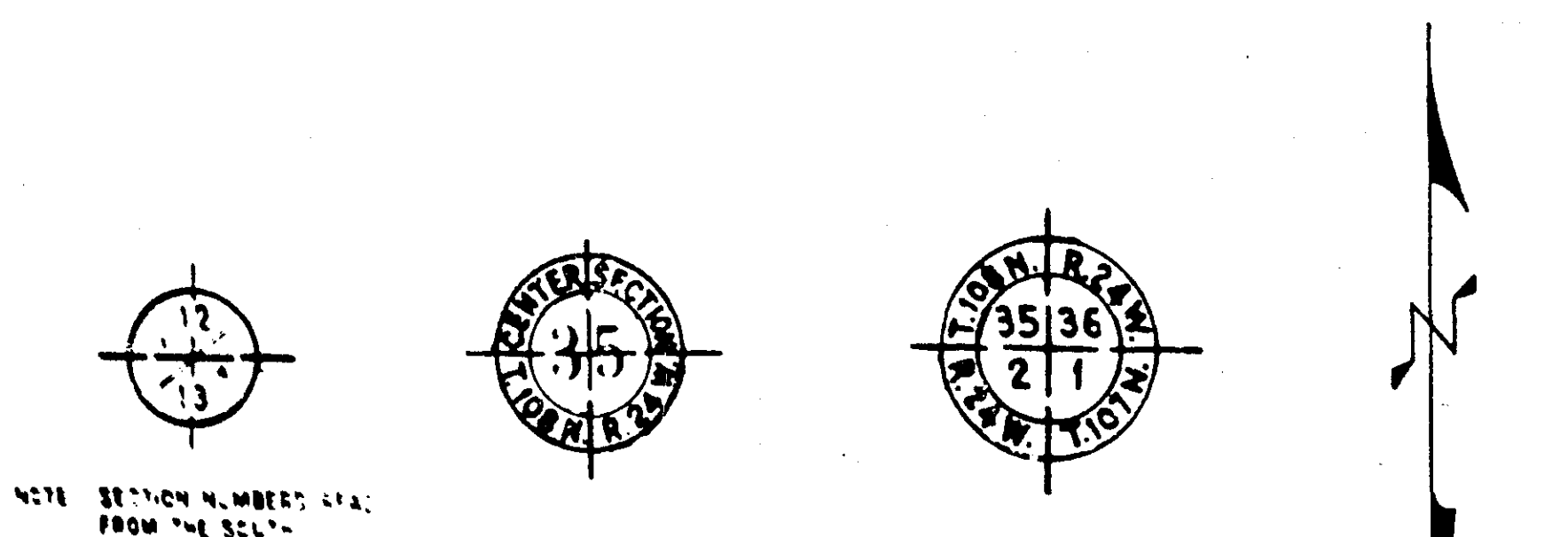
STATE LINE
COUNTY LINE
TOWNSHIP OR RANGE LINE
SECTION LINE
QUARTER LINE
SIXTEENTH LINE
RIGHT OF WAY LINE
PRESENT RIGHT OF WAY LINE
CONTROL OF ACCESS LINE
PROPERTY LINE (Except Land Lines)
VACATED PLATTED PROPERTY
CORPORATE OR CITY LIMITS
TRUNK HIGHWAY CENTER LINE
RETAINING WALL
RAILROAD
RAILROAD RIGHT OF WAY LINE
RIVER OR CREEK
DRY RUN
DRAINAGE DITCH
DRAIN TILE
CULVERT
DRAIN 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
FIRE HYDRANT
CATTLE GUARD
OVERPASS (Highway Over)
UNDERPASS (Highway Under)
BRIDGE
BUILDING (One Story Frame)
F FRAME C CONCRETE
S STONE T TILE
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

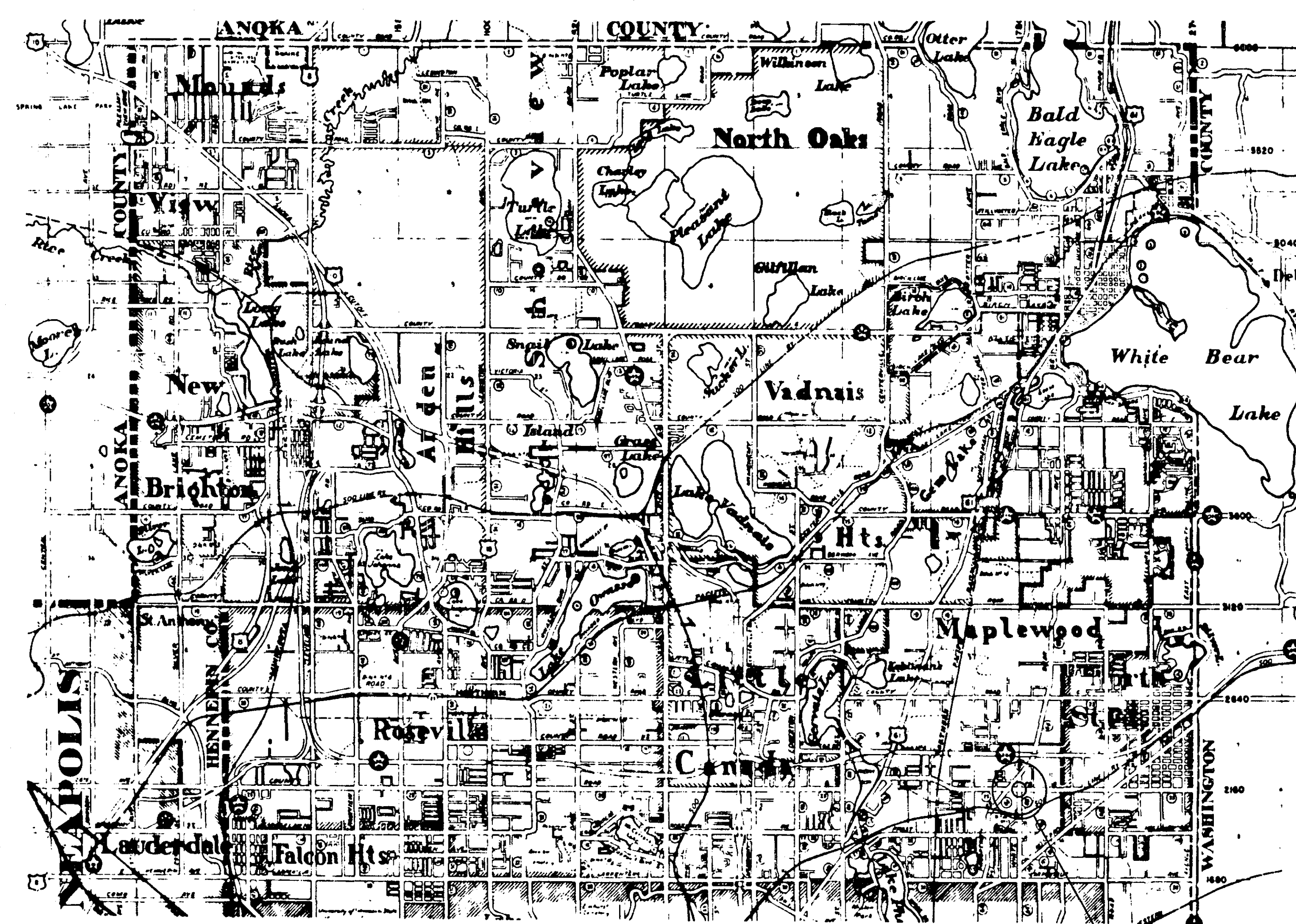
POWER POLE LINE
TELEPHONE OR TELEGRAPH
POLE LINE
JOINT TELEPHONE AND POWER
ON POWER POLES
ON TELEPHONE POLES
AUXILIARY
STEEL TOWER
STREET LIGHT
PNEUMATIC TELEPHONE CABLE
TERMINAL
GAS MAIN
WATER MAIN

CONDUIT
TELEPHONE CABLE IN CONDUIT
ELECTRIC CABLE IN CONDUIT
TELEPHONE MAINHOLE
ELECTRIC MAINHOLE
BURIED TELEPHONE CABLE
BURIED ELECTRIC CABLE
AERIAL TELEPHONE CABLE
SEWER (SANITARY OR STORM)
SEWER MAINHOLE



PIT DATA

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



CITY OF ST. PAUL

CO. PROJ. NO. 65-25-S

OFFICE OF COUNTY ENGINEER RAMSEY COUNTY

PLAN OF TRAFFIC CONTROL SYSTEM FOR THE INTERSECTION OF
WHITE BEAR AVE. & COUNTY RD. "B"

INDEX

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

DESIGNED BY Wm. V. Chennault DATE 5/4/72
DIRECTOR OF SAFETY
RECOMMENDED FOR APPROVAL Dean P. Zable DATE 5/5/72
COUNTY ENGINEER
APPROVED Samuel J. Zable DATE 5/5/72
VICE CHAIRMAN OF THE RAMSEY COUNTY BOARD

APPROVED _____ DATE _____
APPROVED _____ DATE _____

MINNESOTA STATE HIGHWAY DEPARTMENT

RECOMMENDED FOR APPROVAL _____ DATE _____
MAINTENANCE ENGINEER
RECOMMENDED FOR APPROVAL Harold E. Hauke DATE 5/4/72
CONSTRUCTION ENGINEER
RECOMMENDED FOR APPROVAL _____ DATE _____
RECOMMENDED FOR APPROVAL _____ DATE _____
APPROVAL _____ DATE _____
STATE AID ENGINEER

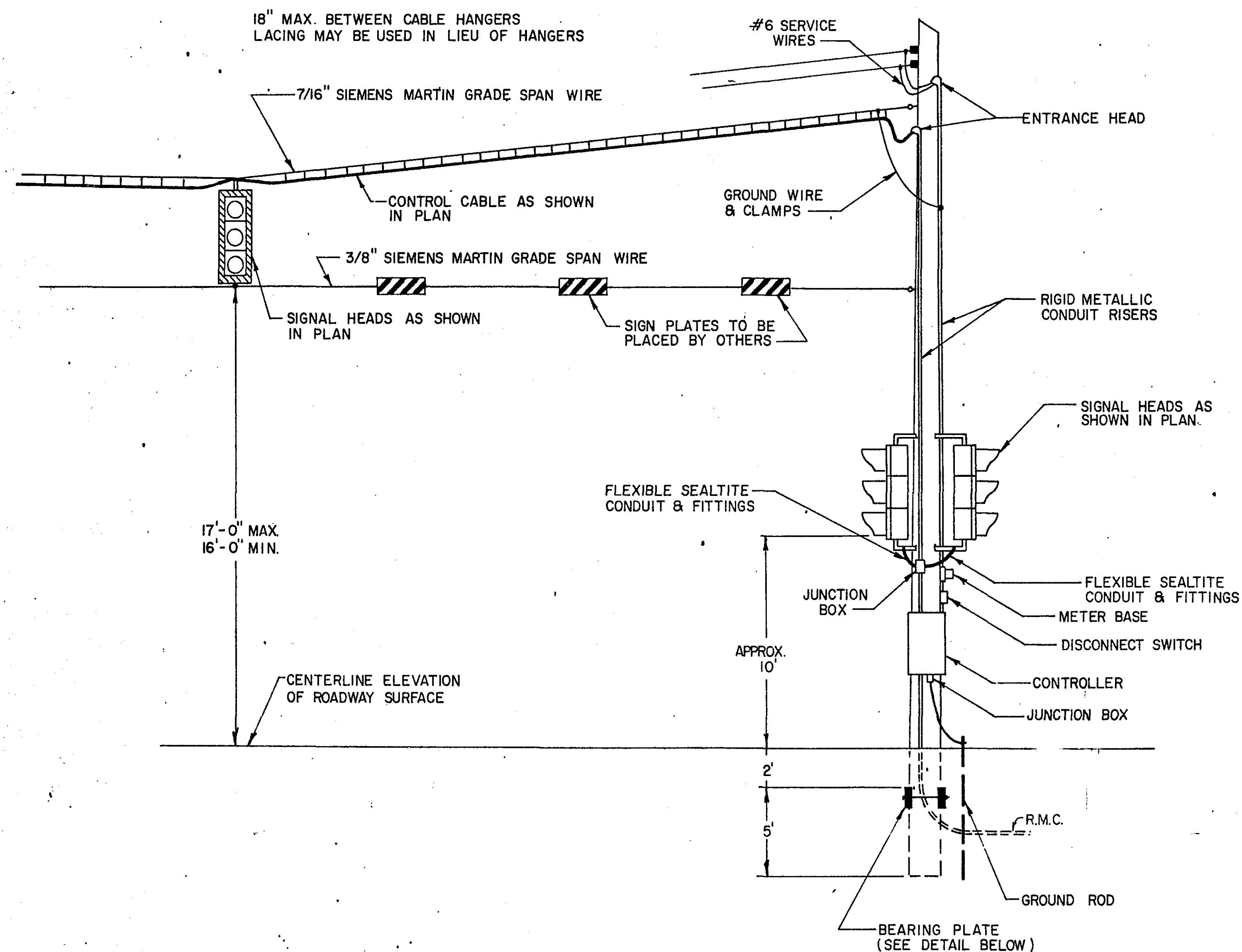
THE "MINNESOTA HIGHWAY DEPARTMENT STANDARD
SPECIFICATIONS FOR HIGHWAY CONSTRUCTION"
DATED JANUARY 1, 1972 SHALL GOVERN

CO. PROJ. NO. 65-25-S

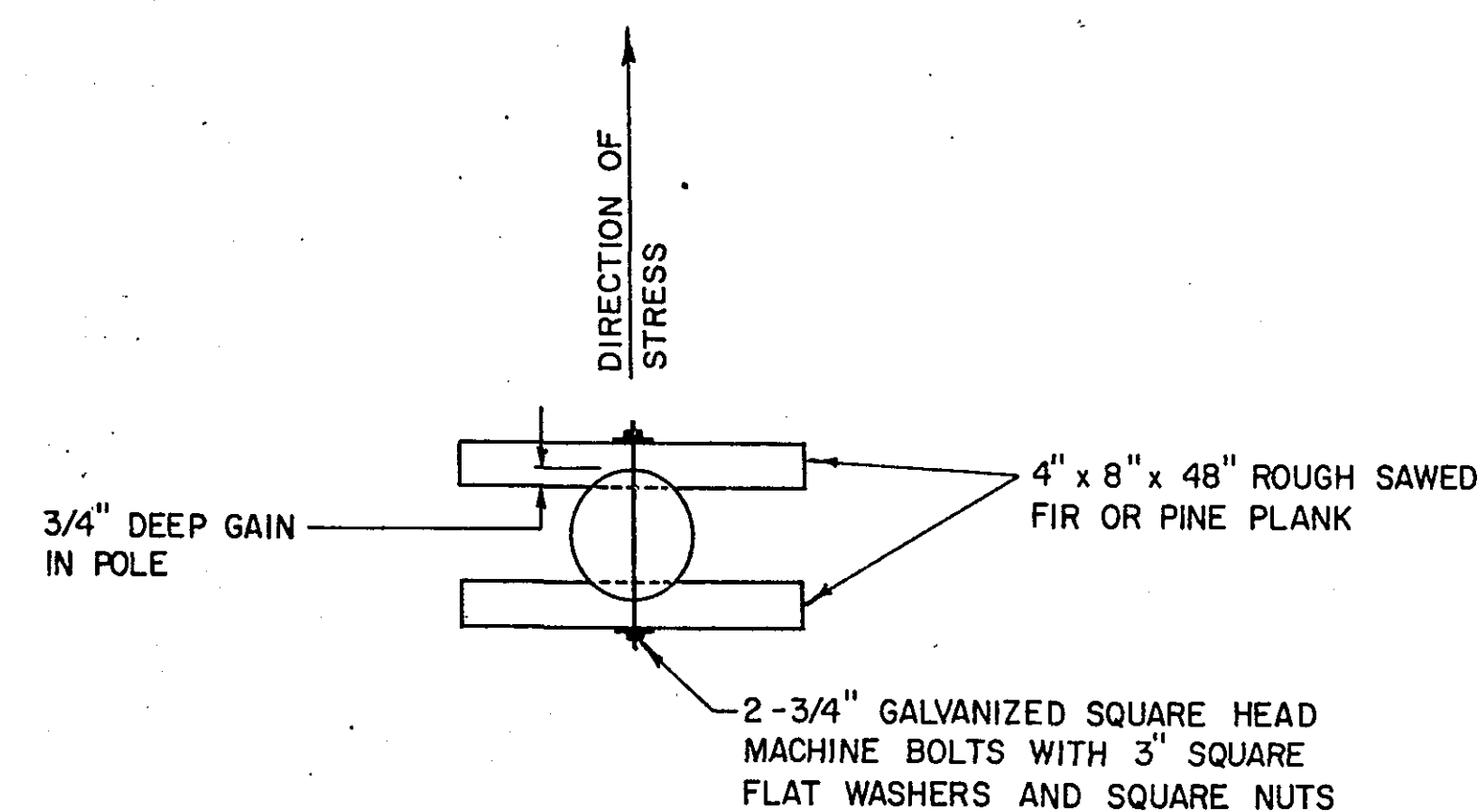
Sheet No. 1 of 3 Sheets

17-119

TEMPORARY WOOD POLE TRAFFIC SIGNAL



BEARING PLATE DETAIL

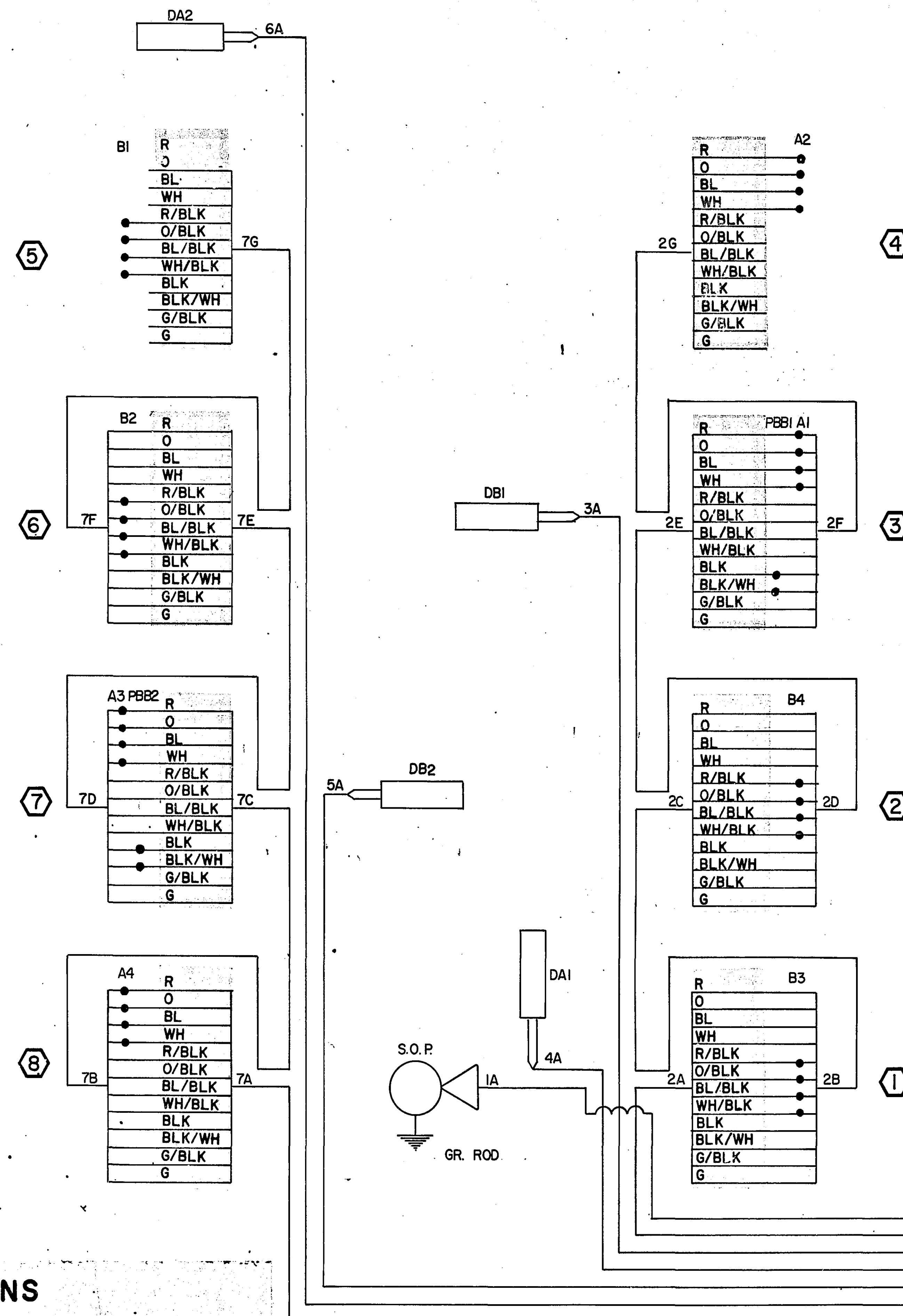


ABBREVIATIONS

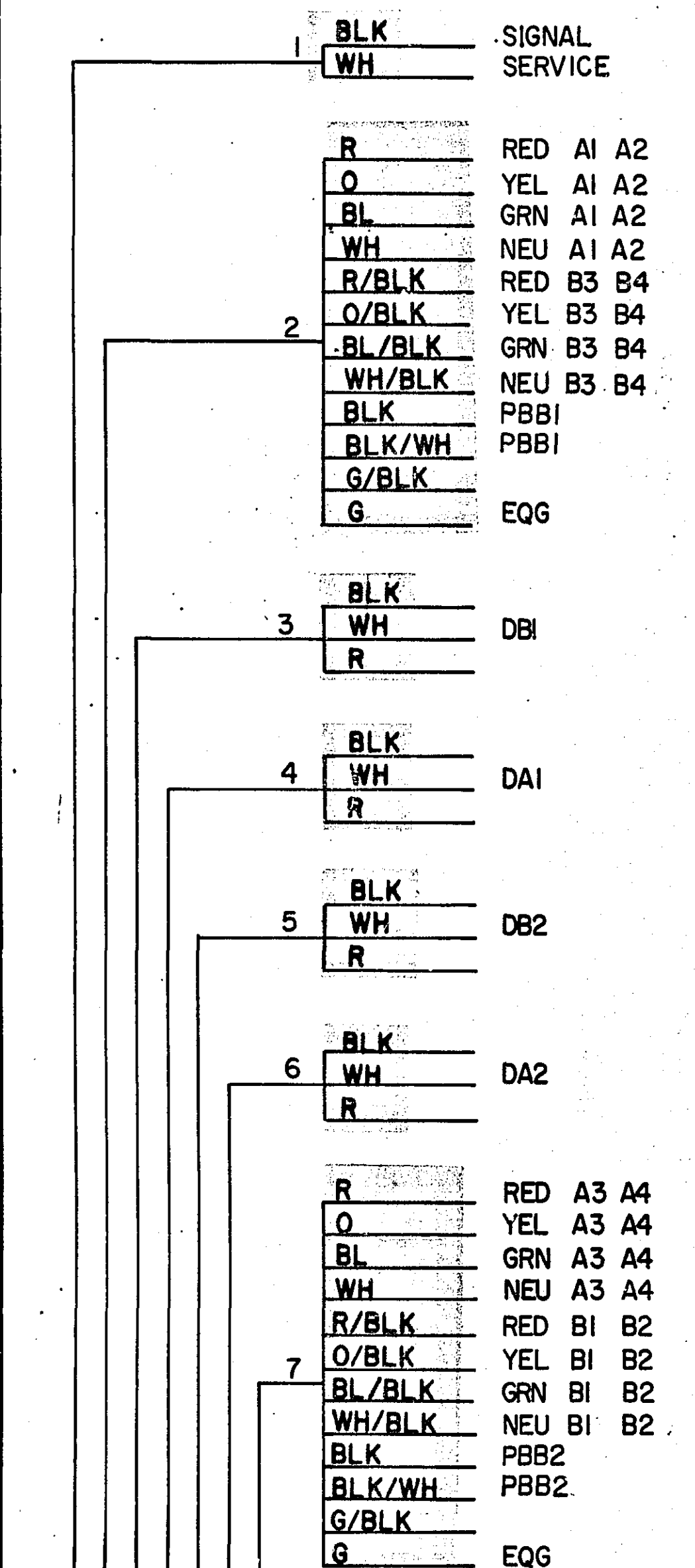
EQUIPMENT & INDICATIONS COLOR CODING OF CONDUCTORS

RED - RED
YEL - YELLOW
GRN - GREEN
NEU - NEUTRAL
C3(eg) - SIGNAL HEAD - "C" PHASE
DA4(eg) - DETECTOR - "A" PHASE
GR.R. - GROUND ROD
S.O.P. - SOURCE OF POWER
EQ.G. - EQUIPMENT GROUND

R-RED
O-ORANGE
BL-BLUE
WH-WHITE
R/BLK - RED WITH BLACK TRACER
O/BLK - ORANGE WITH BLACK TRACER
BL/BLK - BLUE WITH BLACK TRACER
WH/BLK - WHITE WITH BLACK TRACER
BLK - BLACK
BLK/WH - BLACK WITH WHITE TRACER
G/BLK - GREEN WITH BLACK TRACER
G - GREEN



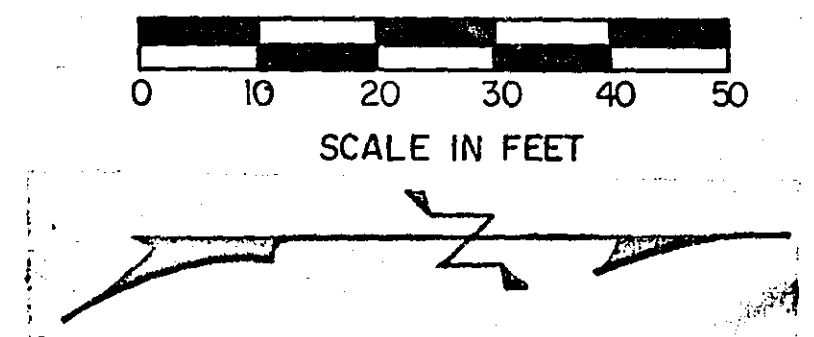
CONTROLLER CABINET



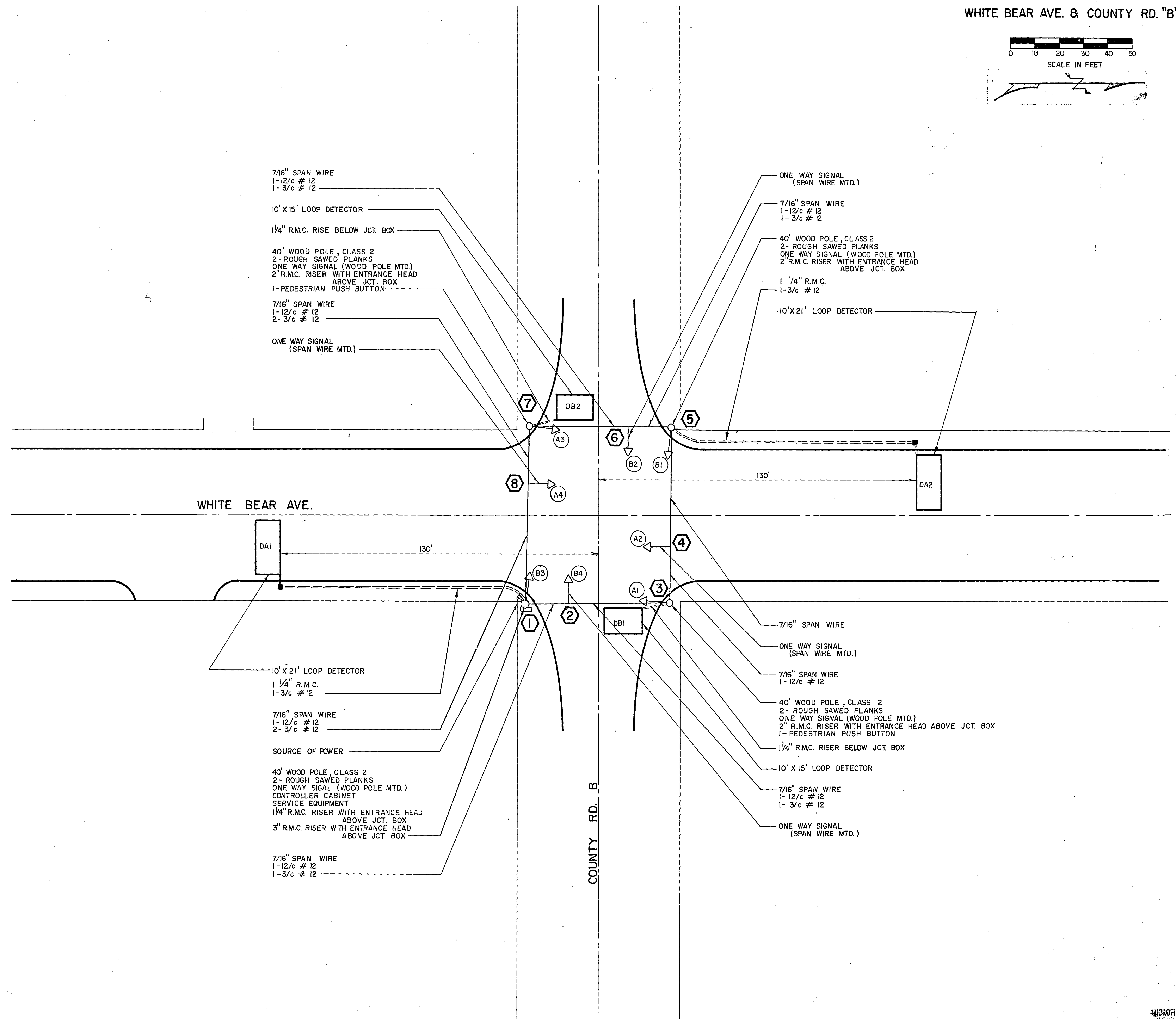
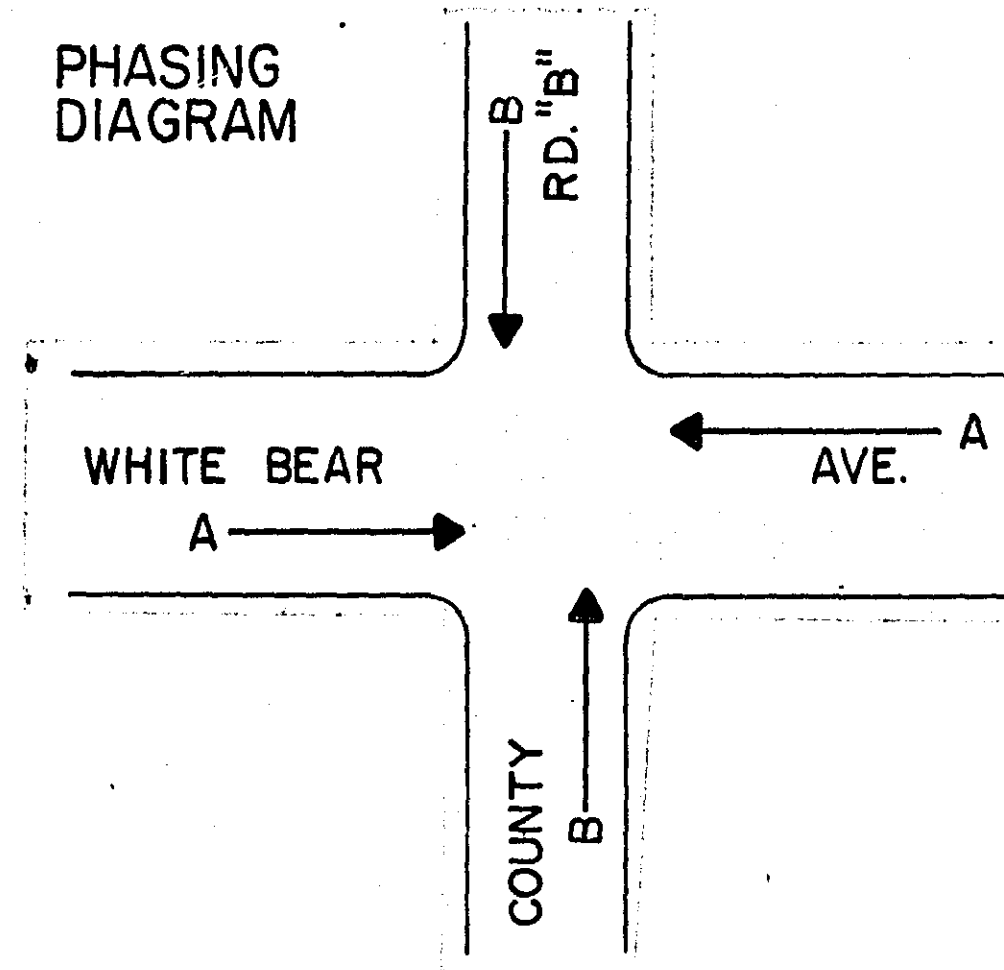
FIELD WIRING DIAGRAM

STANDARD PLATES *	
PLATE NO.	DESCRIPTION
8117C	PRECAST CONCRETE HANDHOLE
8118B	SERVICE EQUIPMENT & POLE TRAFFIC CONTROL SIGNALS
8130B	SAW CUT LOOP DETECTORS

* STATE OF MINNESOTA, DEPT. OF HIGHWAYS
STANDARD PLATES MANUAL 5-296



LEGEND OF SYMBOLS	
	CONTROLLER
	SIGNAL FACE
	SIGNAL FACE WITH BACKGROUND SHIELD
	SOURCE OF POWER (S.O.P.)
	WOOD POLE
	RIGID METALLIC CONDUIT (R.M.C.)
	HANDHOLE (PULLBOX)



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"	—	—	—
B1	B	R	12"	12"	12"	—	—	—
B2	B	R	12"	12"	12"	—	—	—
B3	B	R	12"	12"	12"	—	—	—
B4	B	R	12"	12"	12"	—	—	—