

PLANS SYMBOLS

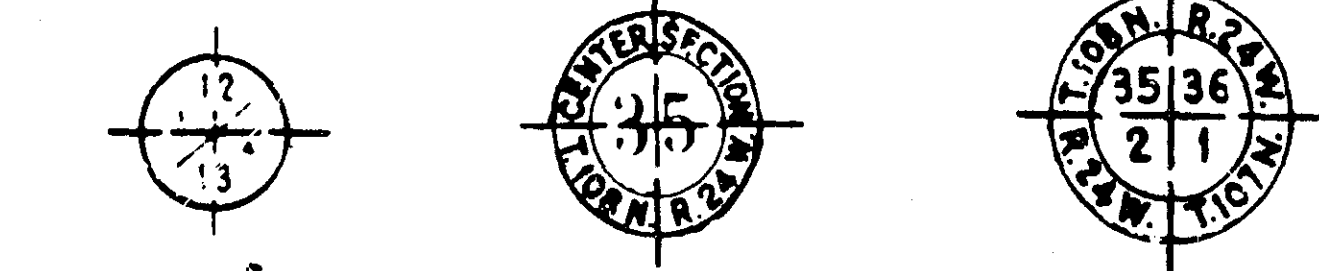
STATE LINE
COUNTY LINE
TOWNSHIP OR RANGE LINE
SECTION LINE
QUARTER LINE
SIXTEENTH LINE
RIGHT OF WAY LINE
PRESENT RIGHT OF WAY LINE
CONTROL OF ACCESS LINE
PROPERTY LINE (Except Land Lines)
VACATED PLATTED PROPERTY
CORPORATE OR CITY LIMITS
TRUNK HIGHWAY CENTER LINE
RETAINING WALL
RAILROAD
RAILROAD RIGHT 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 SHOW 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
OR POWER POLES
ON TELEPHONE POLES
ANCHOR
STEEL TOWER
STREET LIGHT
PNEUMATIC 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



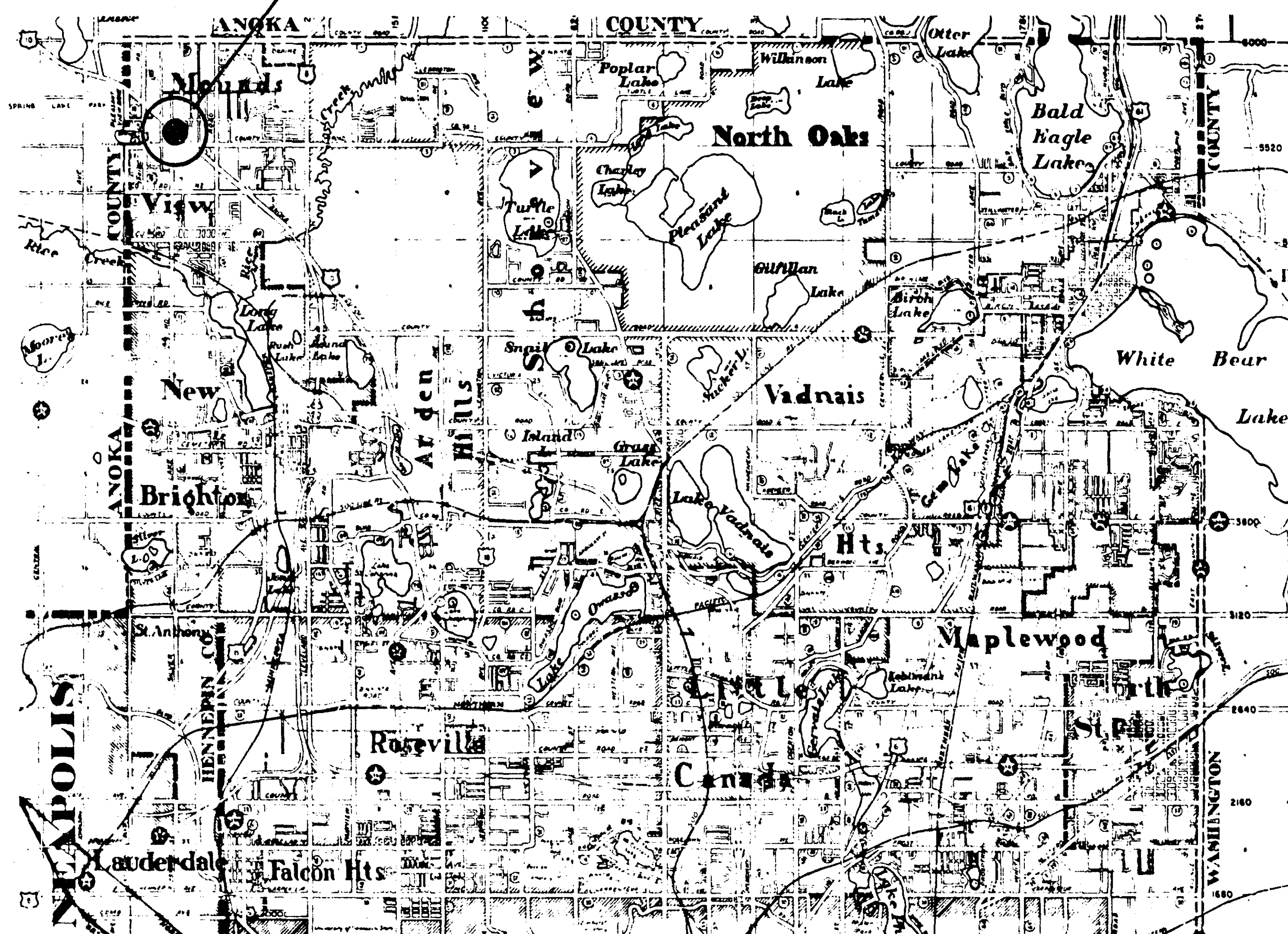
NOTE: SECTION NUMBERS SEAL
FROM THE SOL.

PIT DATA

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

SPECIFICATIONS

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



CITY OF ST. PAUL

FINAL CONSTRUCTION CHANGES COMPLETED
Shen Van Wormer
PROJECT OR RESIDENT ENGINEER
10/28/68
DATE

I HEREBY CERTIFY THAT THIS PLAN WAS PRE-
PARED BY ME OR UNDER MY DIRECT SUPER-
VISION AND THAT I AM A DULY REGISTERED
PROFESSIONAL ENGINEER UNDER THE LAWS OF
THE STATE OF MINNESOTA

Henry C. Plank
DATE 1/30/68 REG. NO. 6958

DESIGN SQUAD

OFFICE OF COUNTY ENGINEER

RAMSEY COUNTY

PLAN OF TRAFFIC CONTROL SYSTEM FOR THE INTERSECTION OF
SILVER LAKE ROAD (C.S.A.H.44) AND T.H.10-62

COUNTY PROJECT NO. 68-44

INDEX

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

RECOMMENDED FOR APPROVAL Dean R. Pabla DATE 1/19/68
COUNTY ENGINEER

APPROVAL Thomas R. Byrne DATE 1/22/68
CHAIRMAN OF THE RAMSEY COUNTY BOARD

APPROVED MUNICIPALITY TITLE DATE

APPROVED DATE

MINNESOTA STATE HIGHWAY DEPARTMENT

RECOMMENDED FOR APPROVAL 80 J. H. H. DATE 1-30-68
DISTRICT ENGINEER

RECOMMENDED FOR APPROVAL J. H. H. DATE 1/21/68
TRAFFIC ENGINEER

APPROVAL STATE AID ENGINEER DATE

RECOMMENDED FOR APPROVAL R. P. Brown DATE 1/31/68
ASSISTANT DIRECTOR OF OPERATIONS

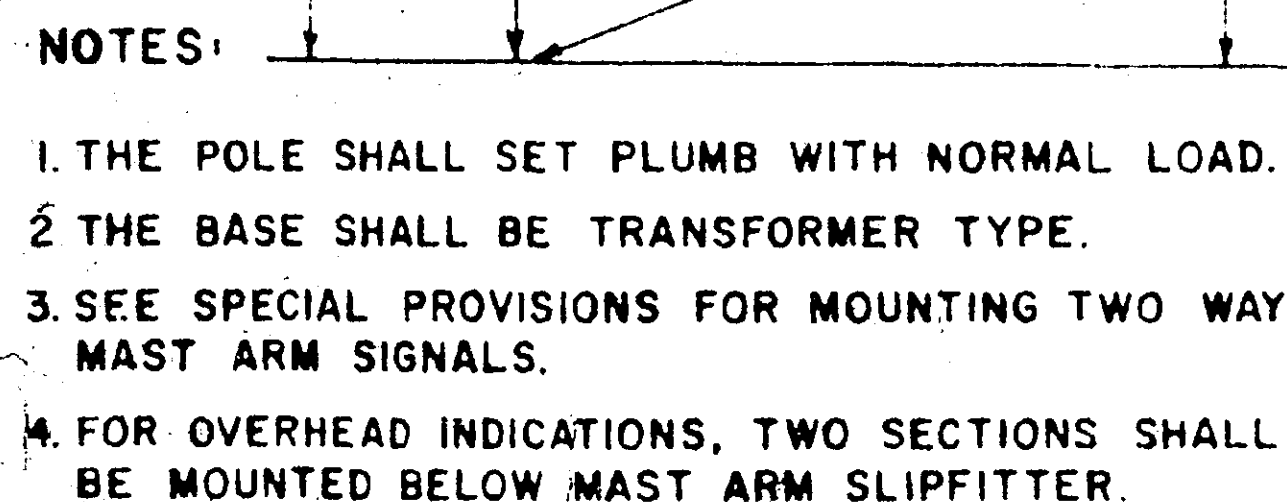
CO. PROJ. 68-44

Sheet No. 1 of 4 Sheets

6876-A

MICROFILMED
RAMSEY CO. ENGR.

Fed. Proj. No.

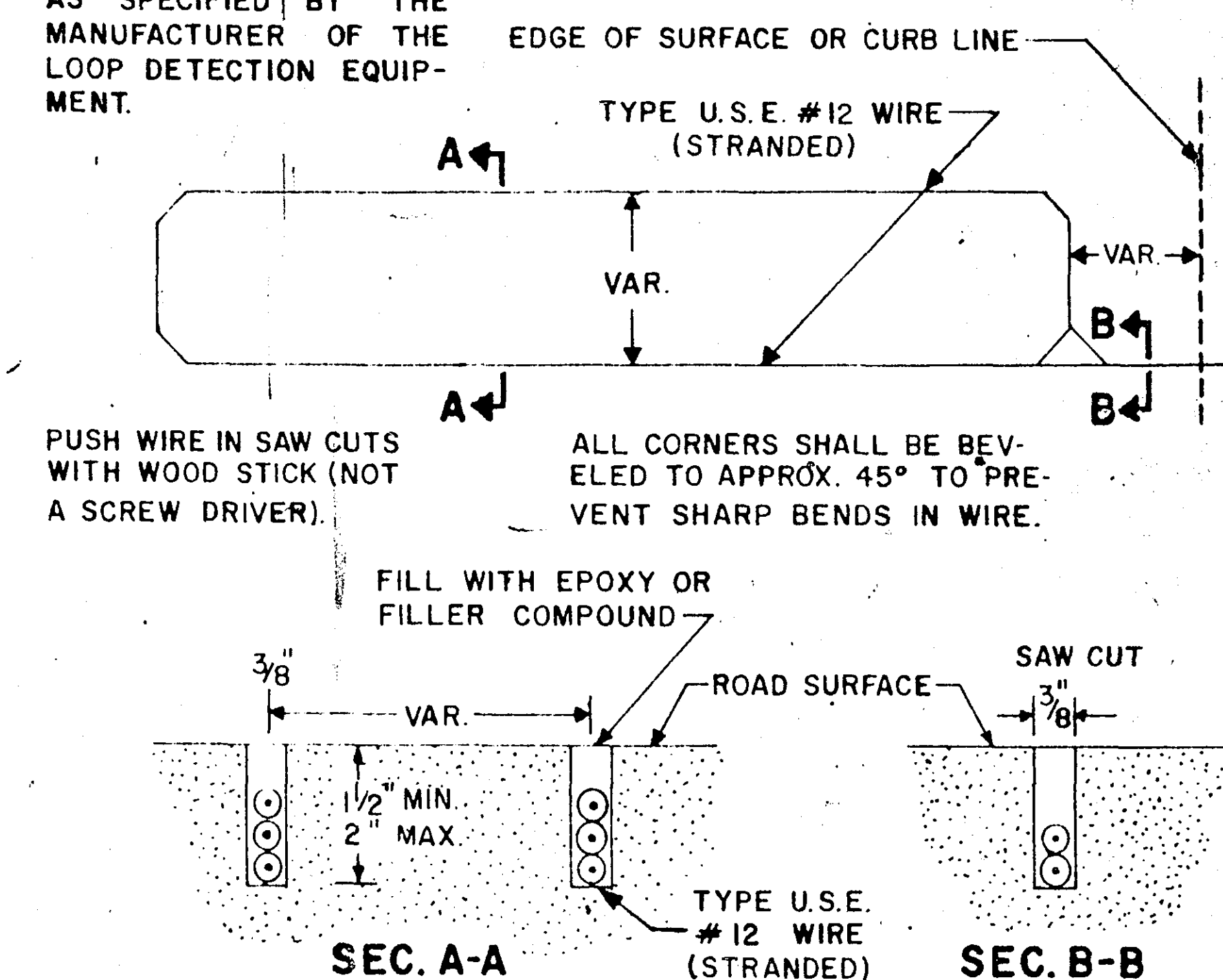
[illegible]

NOTE: FLANGE TO BE WELDED TO MAST
ARM SLIPFITTER 4" FROM THE END.

LOOP DETECTOR DETAIL

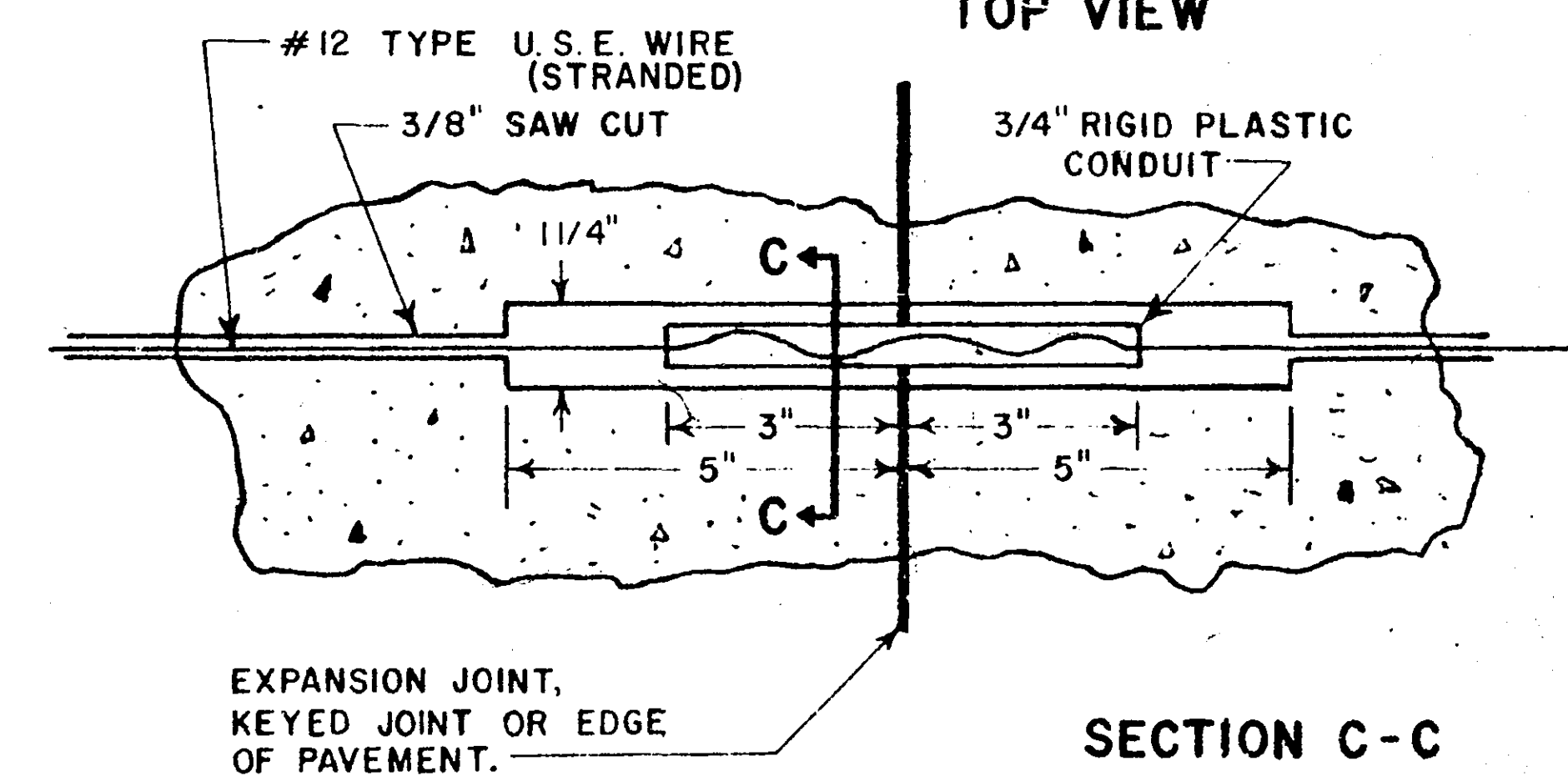
SCALE NONE

NOTE: NUMBER OF TURNS
& SIZE OF LOOP SHALL BE
AS SPECIFIED BY THE
MANUFACTURER OF THE
LOOP DETECTION EQUIP-
MENT.

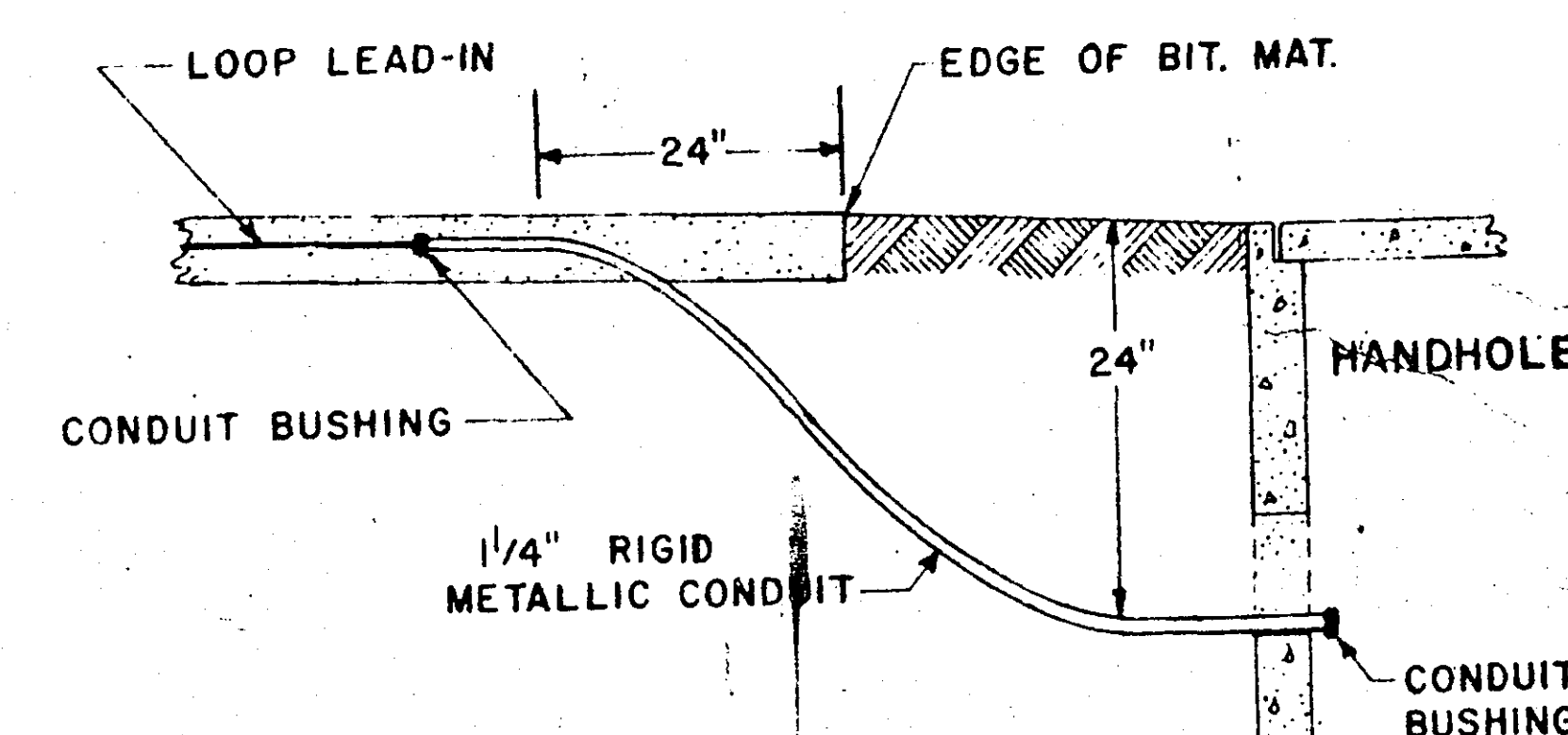


DETAIL SCALE
NONE

TOP VIEW



NOTE:
USE FRICTION TAPE TO
PLUG THE ENDS OF THE
CONDUIT TO KEEP THE
EPOXY OR FILLER
COMPOUND OUT.



DETAILS

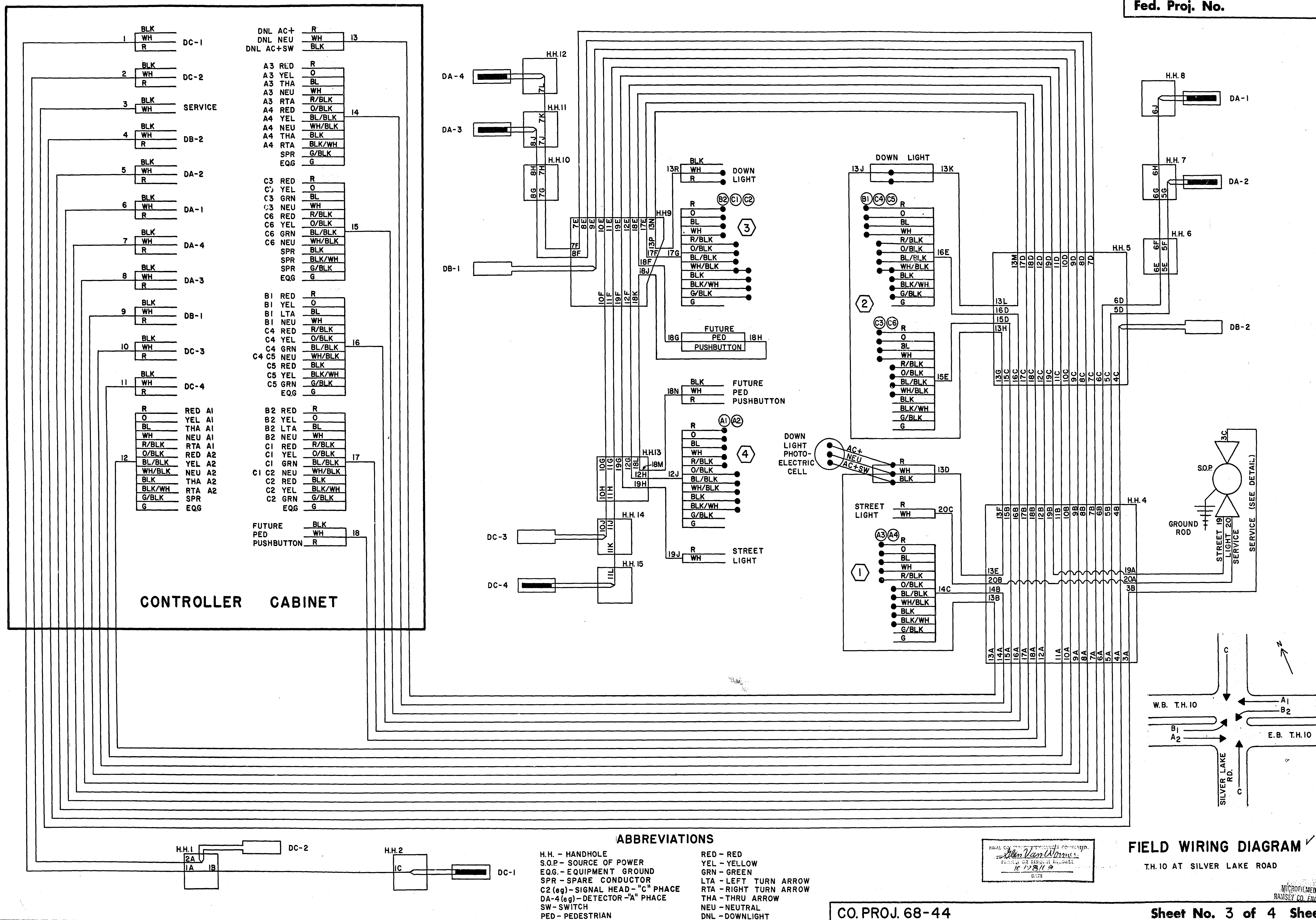
T.H. 10 AT SILVER LAKE ROAD

MICROFILMED
RAMSEY CO. ENG

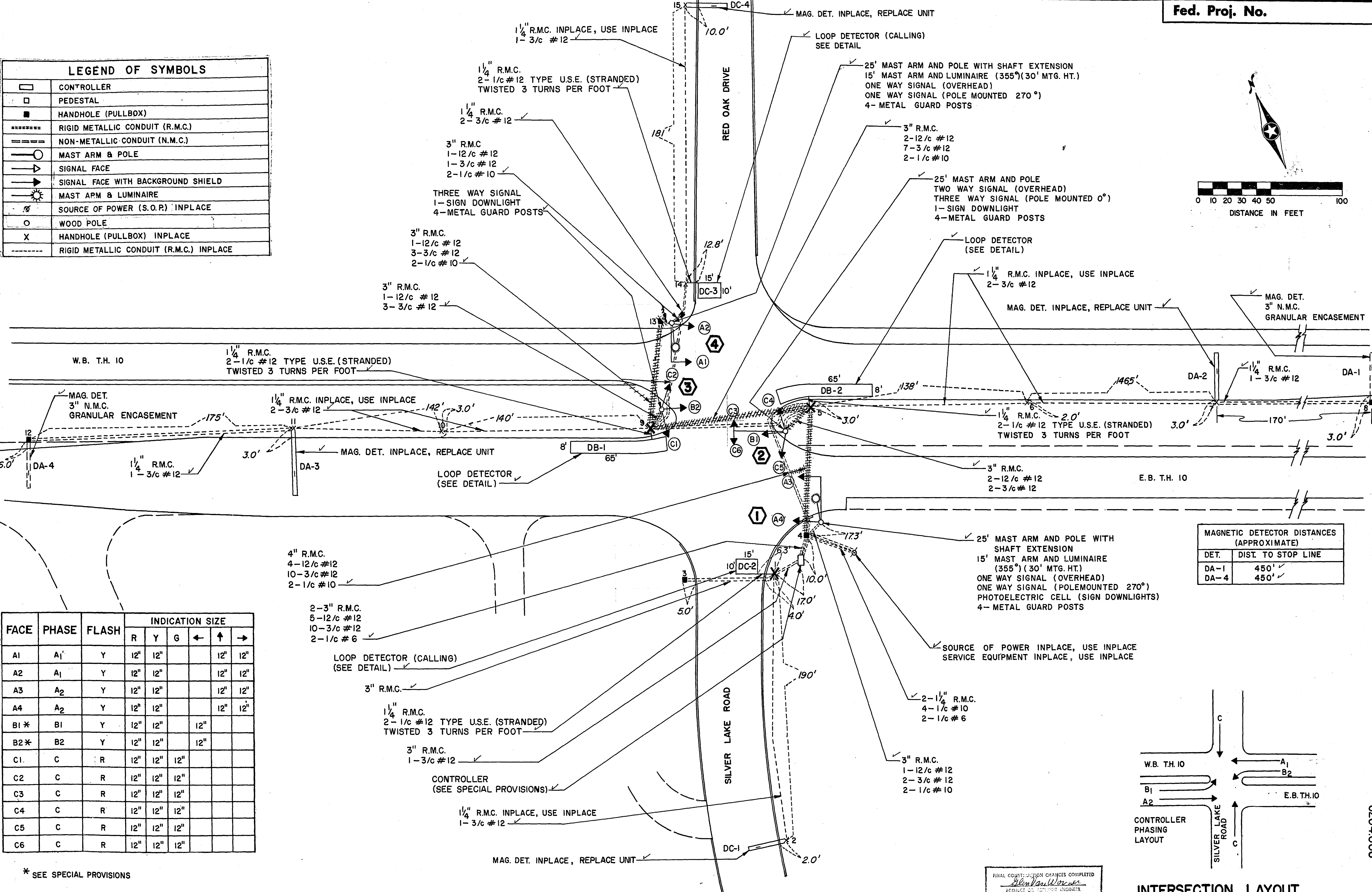
CO. PROJ. 68-44

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LEGEND OF SYMBOLS	
	CONTROLLER
	PEDESTAL
	HANDHOLE (PULLBOX)
	RIGID METALLIC CONDUIT (R.M.C.)
	NON-METALLIC CONDUIT (N.M.C.)
	MAST ARM & POLE
	SIGNAL FACE
	SIGNAL FACE WITH BACKGROUND SHIELD
	MAST ARM & LUMINAIRE
	SOURCE OF POWER (S.O.P.) INPLACE
	WOOD POLE
	HANDHOLE (PULLBOX) INPLACE
	RIGID METALLIC CONDUIT (R.M.C.) INPLACE



MAGNETIC DETECTOR DISTANCES (APPROXIMATE)	
DET.	DIST. TO STOP LINE
DA-1	450'
DA-4	450'

FACE	PHASE	FLASH	INDICATION SIZE					
			R	Y	G	←	↑	→
A1	A1	Y	12"	12"			12"	12"
A2	A1	Y	12"	12"			12"	12"
A3	A2	Y	12"	12"			12"	12"
A4	A2	Y	12"	12"			12"	12"
B1 *	B1	Y	12"	12"		12"		
B2 *	B2	Y	12"	12"		12"		
C1	C	R	12"	12"	12"			
C2	C	R	12"	12"	12"			
C3	C	R	12"	12"	12"			
C4	C	R	12"	12"	12"			
C5	C	R	12"	12"	12"			
C6	C	R	12"	12"	12"			

* SEE SPECIAL PROVISIONS

INTERSECTION LAYOUT

TH.10 AT SILVER LAKE ROAD

FINAL CONSTRUCTION CHANGES COMPLETED
10/28/62
DATE