

# PLANS SYMBOLS

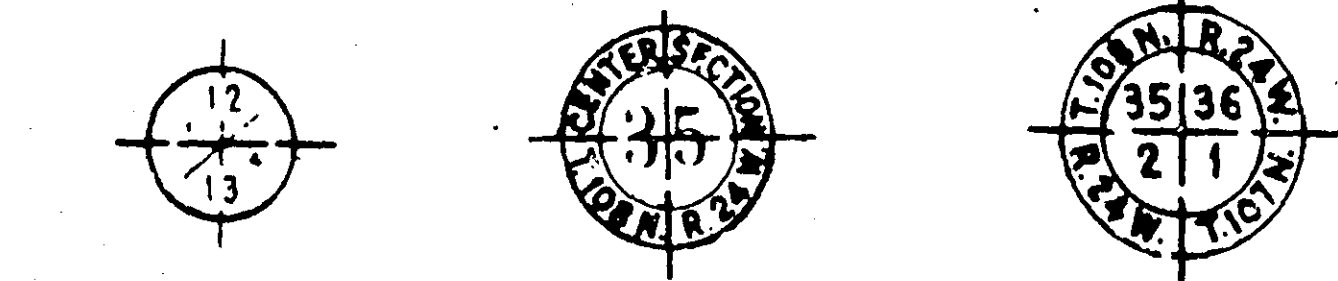
|                                   |      |
|-----------------------------------|------|
| STATE LINE                        | ---- |
| COUNTY LINE                       | ---- |
| TOWNSHIP OR RANGE LINE            | ---- |
| SECTION LINE                      | ---- |
| QUARTER LINE                      | ---- |
| 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                              | ---- |
| 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 ON POWER POLES | ---- |
| ON TELEPHONE POLES                       | ---- |
| ANCHOR                                   | ---- |
| STEEL TOWER                              | ---- |
| STREET LIGHT                             | ---- |
| PENSTAL (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      | ---- |
| ARIAL TELEPHONE CABLE      | ---- |
| SEWER (SANITARY OR STORM)  | ---- |
| SEWER MANHOLE              | ---- |



NOTE: SECTION NUMBERS READ FROM THE SOUTH

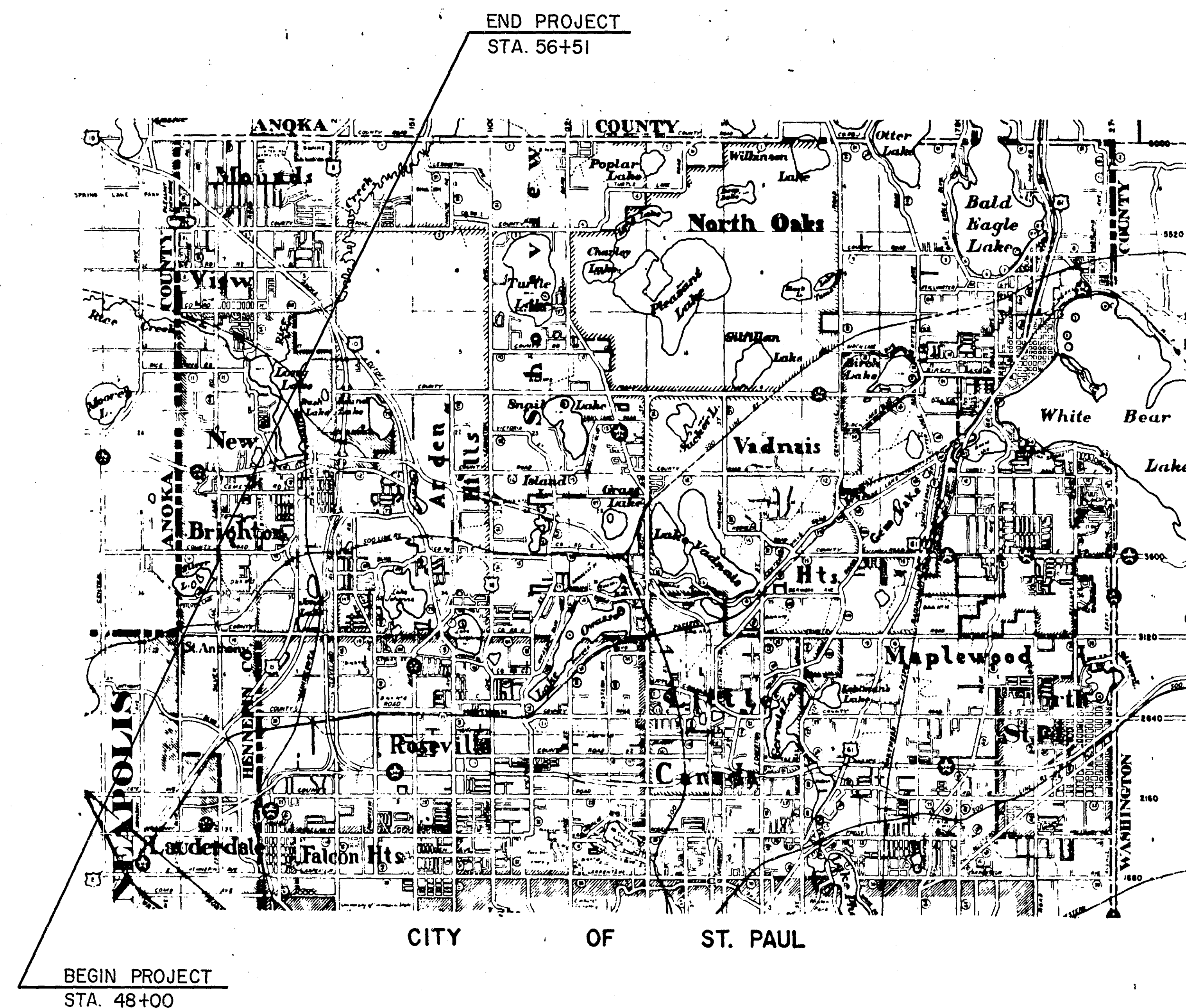
# PIT DATA

|         |            |           |
|---------|------------|-----------|
| PIT NO. | Located in | Dead Haul |
| PIT NO. | Located in | Dead Haul |

THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION DATED JANUARY 1, 1968 SHALL GOVERN.

# OFFICE OF COUNTY ENGINEER RAMSEY COUNTY

# CONSTRUCTION PLAN FOR TURNING LANES SILVER LAKE RD. AND COUNTY RD. "E"

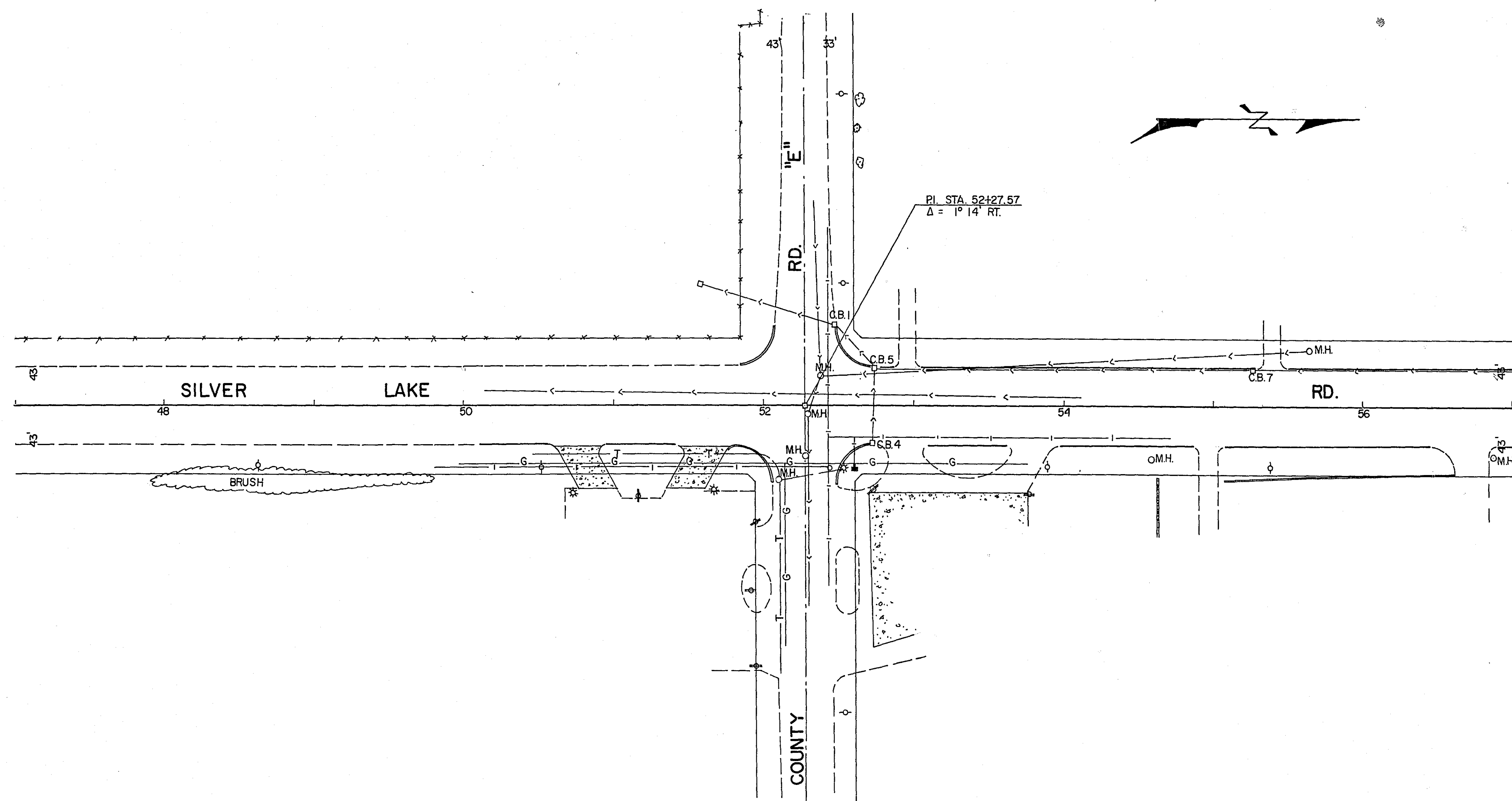


# INDEX

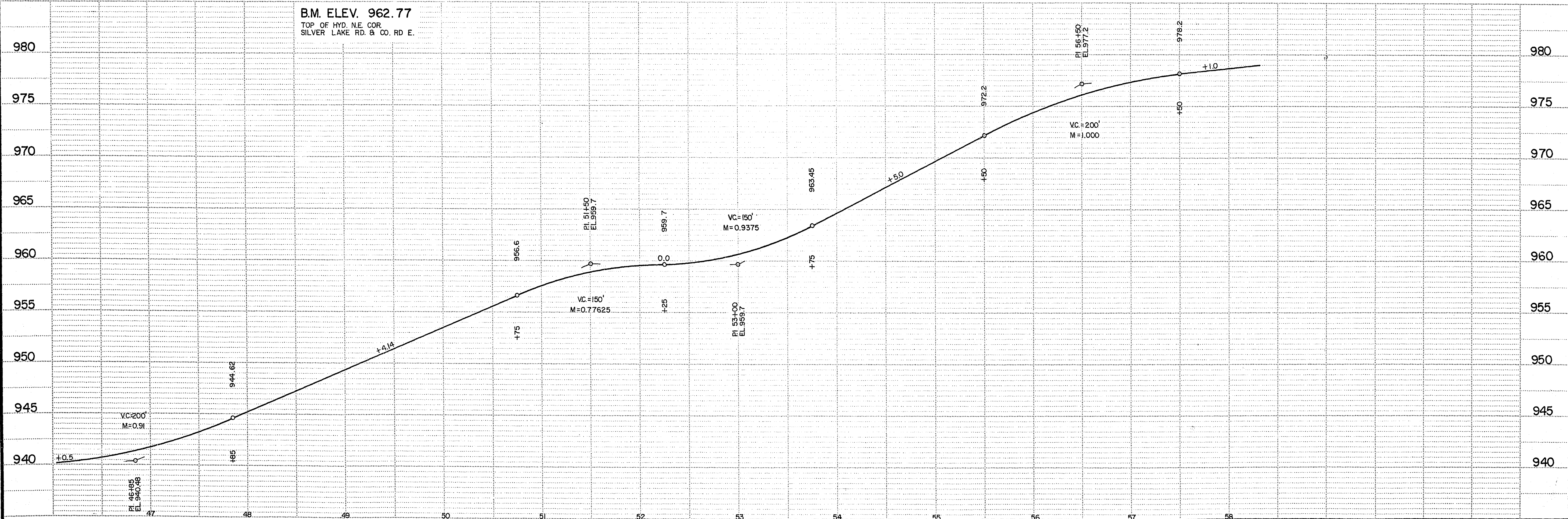
| SHEET NO. | DESCRIPTION                            |
|-----------|----------------------------------------|
| 1         | TITLE SHEET                            |
| 2         | PLAN AND PROFILE                       |
| 3         | CONSTRUCTION PLAN AND TYPICAL SECTIONS |
| 4-6       | CROSS SECTIONS                         |

RECOMMENDED FOR APPROVAL *[Signature]* DATE 6-2-69  
DIRECTION OF TRAFFIC  
RECOMMENDED FOR APPROVAL *[Signature]* DATE 6-2-69  
MAINTENANCE ENGINEER  
RECOMMENDED FOR APPROVAL *[Signature]* DATE 6-2-69  
CONSTRUCTION ENGINEER  
RECOMMENDED FOR APPROVAL \_\_\_\_\_ DATE \_\_\_\_\_  
RECOMMENDED FOR APPROVAL \_\_\_\_\_ DATE \_\_\_\_\_  
APPROVED *[Signature]* DATE 6-2-69  
COUNTY ENGINEER

RECOMMENDED FOR APPROVAL \_\_\_\_\_ DATE \_\_\_\_\_  
COUNTY ENGINEER  
APPROVED \_\_\_\_\_ DATE \_\_\_\_\_  
CHAIRMAN OF THE RAMSEY COUNTY BOARD  
APPROVED \_\_\_\_\_ DATE \_\_\_\_\_  
APPROVED \_\_\_\_\_ DATE \_\_\_\_\_  
MINNESOTA STATE HIGHWAY DEPARTMENT  
RECOMMENDED FOR APPROVAL \_\_\_\_\_ DATE \_\_\_\_\_  
RECOMMENDED FOR APPROVAL \_\_\_\_\_ DATE \_\_\_\_\_  
DISTRICT STATE AID ENGINEER  
APPROVAL \_\_\_\_\_ DATE \_\_\_\_\_  
STATE AID ENGINEER



B.M. ELEV. 962.77  
TOP OF HYD. NE. COR.  
SILVER LAKE RD. & CO. RD. E.

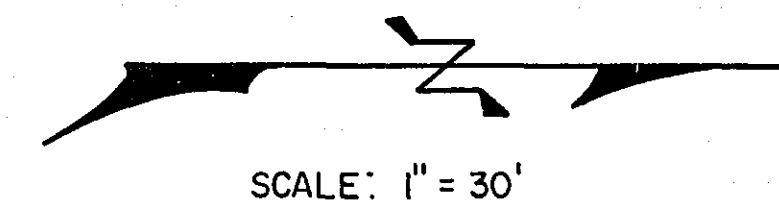


CO. PROJ. NO. 44-15-M

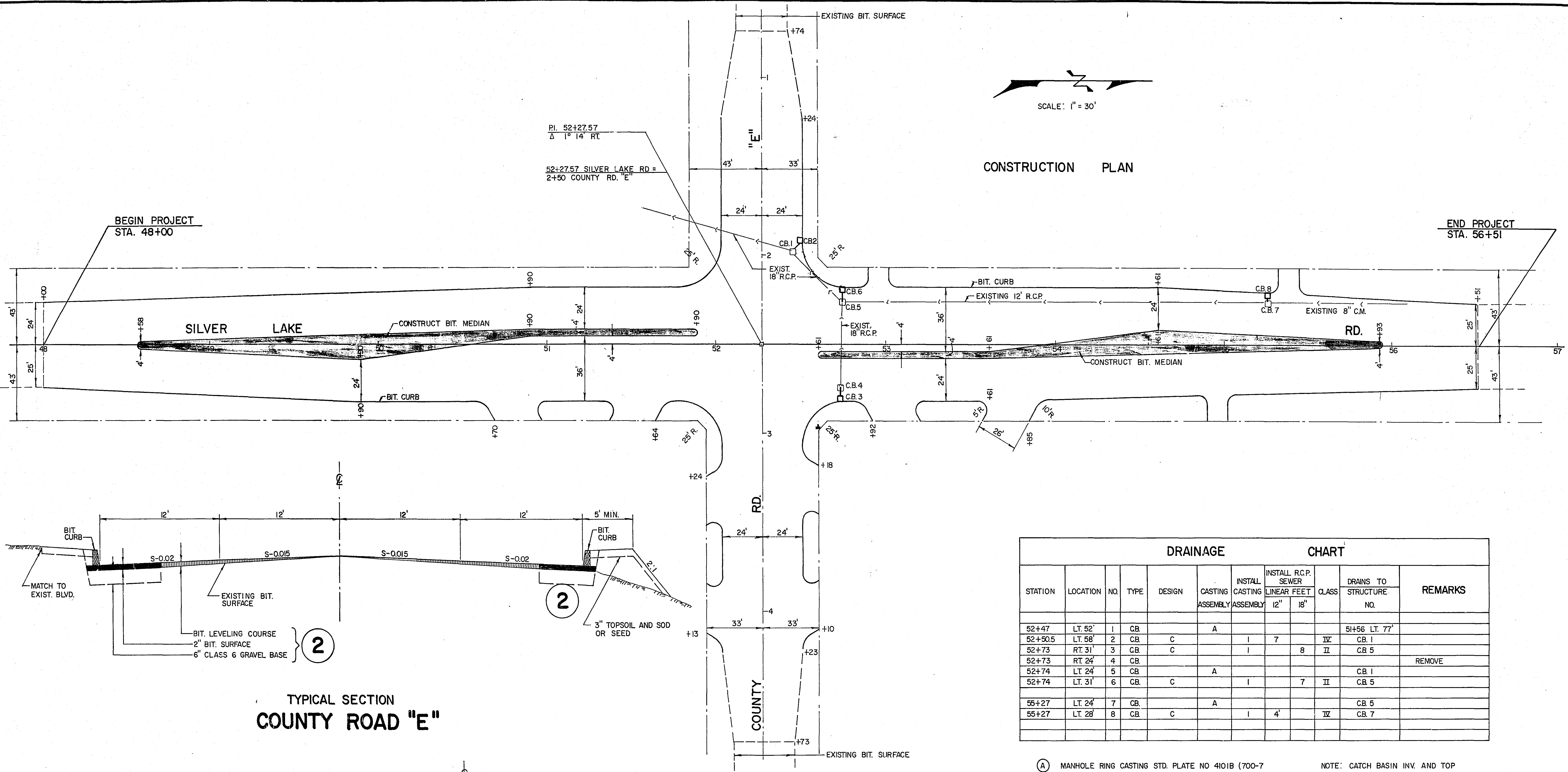
MICROFILMED  
RAMSEY CO. ENGR.

Sheet No. 2 of 6 Sheets

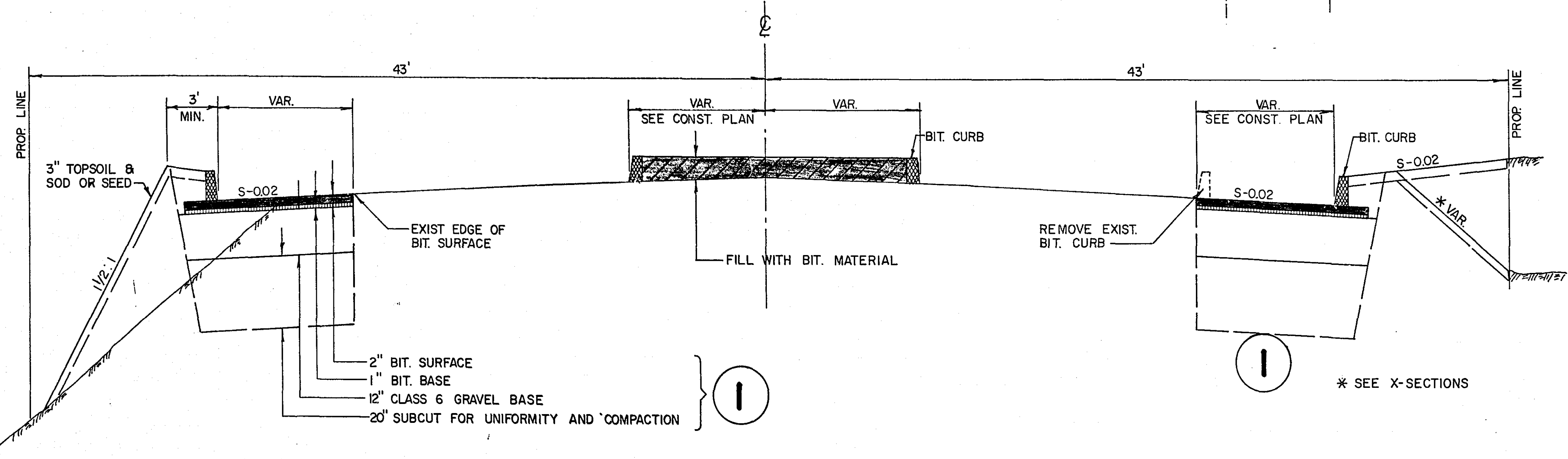
19-101



# CONSTRUCTION PLAN



TYPICAL SECTION  
COUNTY ROAD "E"



TYPICAL SECTION  
SILVER LAKE RD.

| DRAINAGE CHART |          |     |      |        |                  |                           |                                  |     |       |                         |         |
|----------------|----------|-----|------|--------|------------------|---------------------------|----------------------------------|-----|-------|-------------------------|---------|
| STATION        | LOCATION | NO. | TYPE | DESIGN | CASTING ASSEMBLY | INSTALL. CASTING ASSEMBLY | INSTALL R.C.P. SEWER LINEAR FEET |     | CLASS | DRAINS TO STRUCTURE NO. | REMARKS |
|                |          |     |      |        |                  |                           | 12"                              | 18" |       |                         |         |
| 52+47          | LT. 52'  | 1   | CB   |        | A                |                           |                                  |     |       | 51+56 LT. 77'           |         |
| 52+50.5        | LT. 58'  | 2   | CB   | C      |                  | I                         | 7                                |     | IV    | CB. 1                   |         |
| 52+73          | RT. 31'  | 3   | CB   | C      |                  | I                         |                                  | 8   | II    | CB. 5                   |         |
| 52+73          | RT. 24'  | 4   | CB   |        |                  |                           |                                  |     |       |                         | REMOVE  |
| 52+74          | LT. 24'  | 5   | CB   |        | A                |                           |                                  |     |       | CB. 1                   |         |
| 52+74          | LT. 31'  | 6   | CB   | C      |                  | I                         |                                  | 7   | II    | CB. 5                   |         |
| 55+27          | LT. 24'  | 7   | CB   |        | A                |                           |                                  |     |       | CB. 5                   |         |
| 55+27          | LT. 28'  | 8   | CB   | C      |                  | I                         | 4'                               |     | IV    | CB. 7                   |         |

- (A) MANHOLE RING CASTING STD. PLATE NO. 4101B (700-7)  
COVER CASTING STD. PLATE NO. 4110D (712)
- (C) CATCH BASIN DESIGN "C" STD. PLATE NO. 4002D

NOTE: CATCH BASIN INV. AND TOP ELEVATIONS TO BE DETERMINED IN THE FIELD PRIOR TO CONSTRUCTION

RELOCATE HYD. TO STA. 52+60.5 RT. 47'