

DRAWING NUMBER  
23-154

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### ABBREVIATIONS

- 3-1 (e.g.) - SIGNAL HEAD, PHASE "3", NO. "1"  
BL - BLUE  
BLK - BLACK  
BLK/WH - BLACK WITH WHITE TRACER  
BL/BLK - BLUE WITH WHITE TRACER  
BR. GR. - BARE GROUND
- CH. SW. - CHECK SWITCH  
CLR - CLEAR  
D2-1 (e.g.) - DETECTOR, PHASE "2", NO. "1"  
DNL - DOWNLIGHT  
DWK - DON'T WALK  
EQG - EQUIPMENT GROUND  
EVP - EMERGENCY VEHICLE  
PRE-EMPTION
- F&I - FURNISH AND INSTALL  
FL - FLASH/FLASHING  
G - GREEN  
GLTA - GREEN LEFT TURN ARROW  
GRN - GREEN  
GRTA - GREEN RIGHT TURN ARROW  
GR.R. - GROUND ROD  
GTHA - GREEN THROUGH ARROW  
G/BLK - GREEN WITH BLACK TRACER  
HPS - HIGH PRESSURE SODIUM  
H.H. - HANDHOLE
- IMC - INTERMEDIATE METAL CONDUIT  
J.B. - JUNCTION BOX  
LTA - LEFT TURN ARROW  
LUM - LUMINAIRE  
MV - MERCURY VAPOR  
NEU - NEUTRAL  
NMC - NON-METALLIC CONDUIT  
O - ORANGE  
O/BLK - ORANGE WITH BLACK TRACER  
P1-1 (e.g.) - PEDESTRIAN INDICATION, PHASE "1", NO. "1"
- PB - PUSH BUTTON  
PB2-1 (e.g.) - PUSH BUTTON, PHASE "2", NO. "1"  
PED - PEDESTRIAN  
P.E.C. - PHOTOELECTRIC CELL  
R - RED  
R&S - REMOVE AND SALVAGE  
RSC - RIGID STEEL CONDUIT  
RTA - RIGHT TURN ARROW  
R/BLK - REN WITH BLACK TRACER
- SPR - SPARE  
STA - STATION  
ST. LHT. - STREET LIGHT  
SW - SWITCH  
SWD - SWITCHED  
S.O.P. - SOURCE OF POWER  
TDW - TELEPHONE DROP WIRE
- WH - WHITE  
WH/BLK - WHITE WITH BLACK TRACER  
WLK - WALK  
YEL - YELLOW  
YLTA - YELLOW LEFT TURN ARROW  
YRTA - YELLOW RIGHT TURN ARROW  
YTHA - YELLOW THROUGH ARROW

FOR PLANS AND UTILITIES SYMBOLS SEE  
MN/DOT TECHNICAL MANUAL.

### -GOVERNING SPECIFICATIONS-

THE 1988 EDITION OF THE MINNESOTA DEPARTMENT  
OF TRANSPORTATION "STANDARD SPECIFICATION  
FOR CONSTRUCTION" AS AMENDED BY THE 1991  
"SUPPLEMENTAL SPECIFICATIONS" SHALL GOVERN.

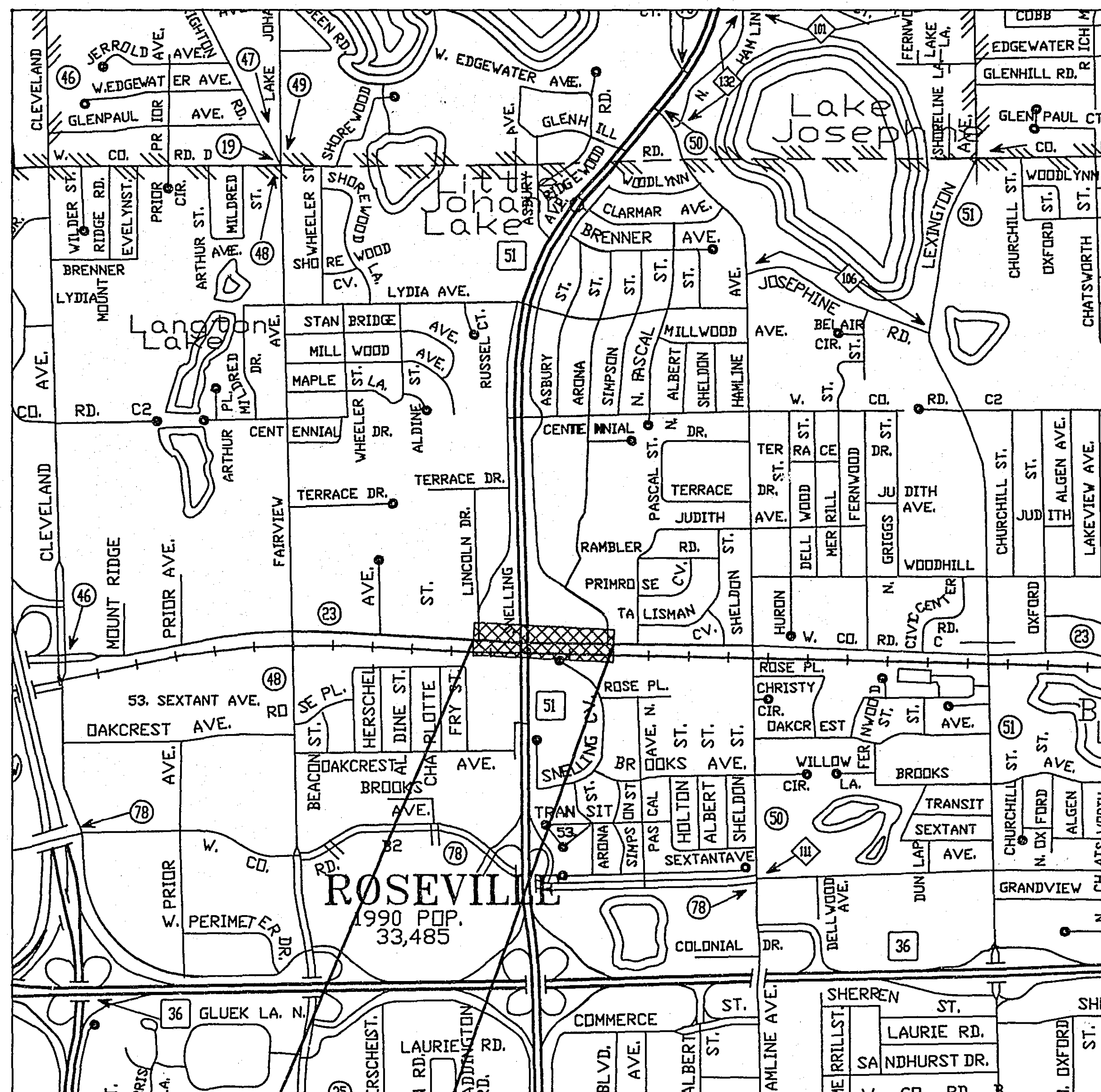
### STANDARD PLATES

THE FOLLOWING STANDARD PLATES, APPROVED BY THE FEDERAL  
HIGHWAY ADMINISTRATION, SHALL APPLY ON THIS PROJECT

| PLATE NO. | DESCRIPTION                                |
|-----------|--------------------------------------------|
| * 0005 A  | SPECIFICATION REFERENCE TO STANDARD PLATES |
| * 8117 F  | PRECAST CONCRETE HANDHOLE                  |

\* STANDARD PLATES APPLICABLE TO THIS PROJECT

1/2 MILE  
MAP SCALE

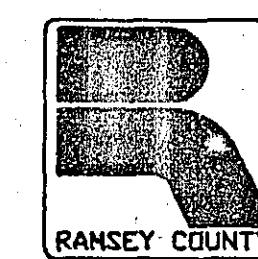


BEGIN PROJECT  
STA 100+40  
END PROJECT  
STA 114+95

### STATEMENT OF ESTIMATED QUANTITIES

| ITEM NO. | ITEM                            | UNIT | TOTAL<br>ESTIMATED<br>QUANTITY |
|----------|---------------------------------|------|--------------------------------|
| 0565.602 | HANDHOLE TYPE C                 | EACH | 3                              |
| 0565.603 | 1.25" RIGID STEEL CONDUIT (RSC) | L.F. | 700                            |
| 0565.603 | 12 PAIR #19 (INTERCONNECT)      | L.F. | 1650                           |

CO-RD-C\508TITLE.dwg



## RAMSEY COUNTY

DEPARTMENT OF PUBLIC WORKS  
CONSTRUCTION PLAN FOR TRAFFIC CONTROL INTERCONNECT

S.A.P. No. 62-623-37

COUNTY ROAD C (CSAH 23)  
FROM LINCOLN DR. to EAST SNELLING SERVICE DR.

### DESIGN DESIGNATION

PRESENT ADT (1992) 9400  
FUTURE ADT (2012) 14100  
FUNCTIONAL CLASSIFICATION MINOR ARTERIAL  
TRAFFIC LANES 4  
PARKING LANES 0

(CSAH 23)  
COUNTY RD C

### INDEX

| SHEET NO. | DESCRIPTION                 |
|-----------|-----------------------------|
| 1         | TITLE, QUANTITIES & DETAILS |
| 2         | PLAN                        |
| 3         | UTILITIES                   |

DESIGN SQUAD R. Miller DATE 2-8-93  
DRAWN BY \_\_\_\_\_ DATE \_\_\_\_\_  
CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_

### RAMSEY COUNTY

RECOMMENDED FOR APPROVAL RHP LKF DATE 3-23-93  
CONST. ENGR.  
RECOMMENDED FOR APPROVAL DLR DATE 3-17-93  
DESIGN ENGR.  
RECOMMENDED FOR APPROVAL KMR DATE 3-23-93  
ENVR. ENGR.  
RECOMMENDED FOR APPROVAL DAI DATE 3-17-93  
MAINT. ENGR.  
RECOMMENDED FOR APPROVAL JAM DATE 3-17-93  
PLANNER  
RECOMMENDED FOR APPROVAL DSB DATE 3-17-93  
R.O.W. ENGR.  
RECOMMENDED FOR APPROVAL W. J. J. J. DATE 3-22-93  
TRAFFIC ENGR.  
RECOMMENDED \_\_\_\_\_ DATE \_\_\_\_\_  
PROGRAM ENGR.

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT  
SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE  
LAWS OF THE STATE OF MINNESOTA.

Daniel E. Soler REG. NO. 20452 DATE 3/16/93

RECOMMENDED FOR APPROVAL W. J. J. J. DATE 3/24/93  
COUNTY ENGINEER  
APPROVED Harold A. Vengard DATE 4/8/93  
CHAIR OF THE RAMSEY COUNTY BOARD  
APPROVED Michael D. Hahn DATE 3/29/93  
CITY OF ROSEVILLE

### MINNESOTA DEPARTMENT OF TRANSPORTATION

RECOMMENDED FOR APPROVAL W. J. J. J. DATE 4-8-93  
STATE AID PLANS & SPEC. ENGR.  
RECOMMENDED FOR APPROVAL W. J. J. J. DATE 4/5/93  
METRO-ASS. DIVISION ENGR.-STATE AID  
RECOMMENDED FOR APPROVAL Michael D. Hahn DATE 4/6/93  
TRAFFIC ENGINEER  
APPROVED Dennis C. Carlson DATE 4/8/93  
STATE AID ENGINEER

### PLAN REVISIONS

| DATE    | SHEET NO. & DESCRIPTION | BY   |
|---------|-------------------------|------|
| 3-19-93 | 1-3 / STAFF REVIEW      | ENVR |
|         |                         |      |
|         |                         |      |
|         |                         |      |

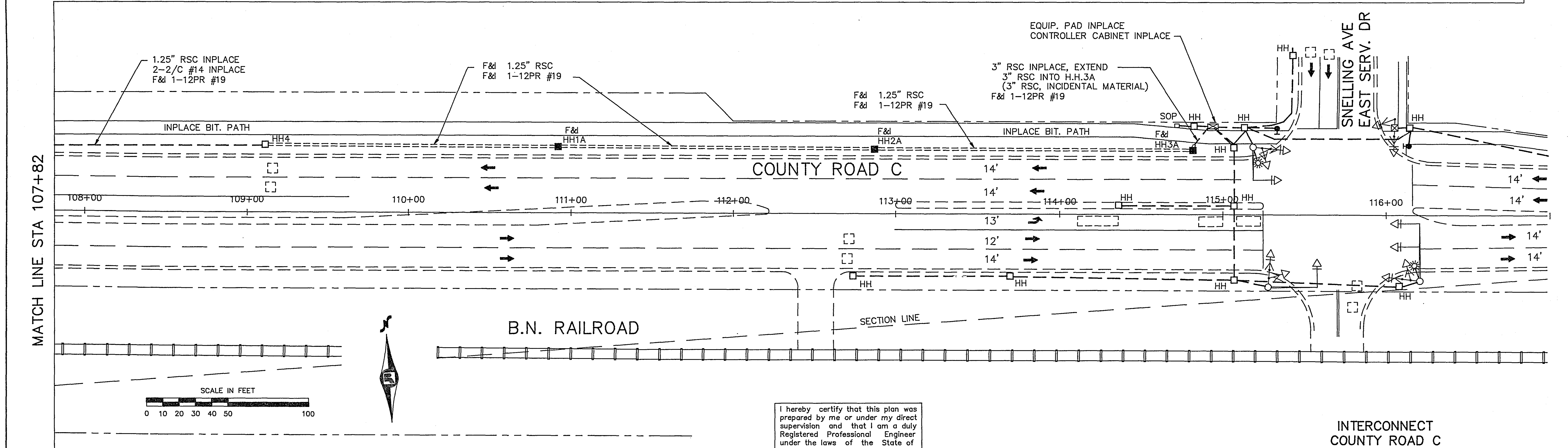
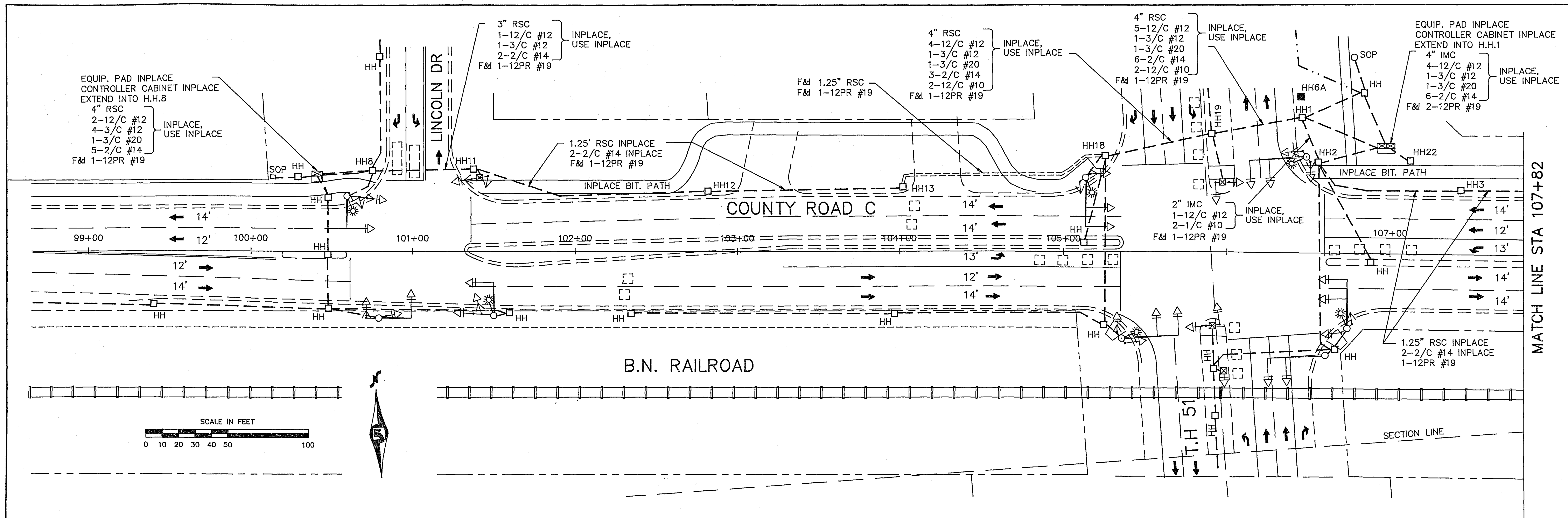
S.A.P. No. 62-623-37

Sheet No. 1 of 3 Sheets

23-154

23-154 County Rd C from Lincoln Dr to East Snelling Service Dr  
SAP 62-623-37  
1-3

24X



I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of Minnesota.  
*Samuel E. Soler*  
 Date 3/17/93 Reg. No. 20462

INTERCONNECT  
 COUNTY ROAD C  
 LINCOLN DR to SNELLING EAST SERV. DR

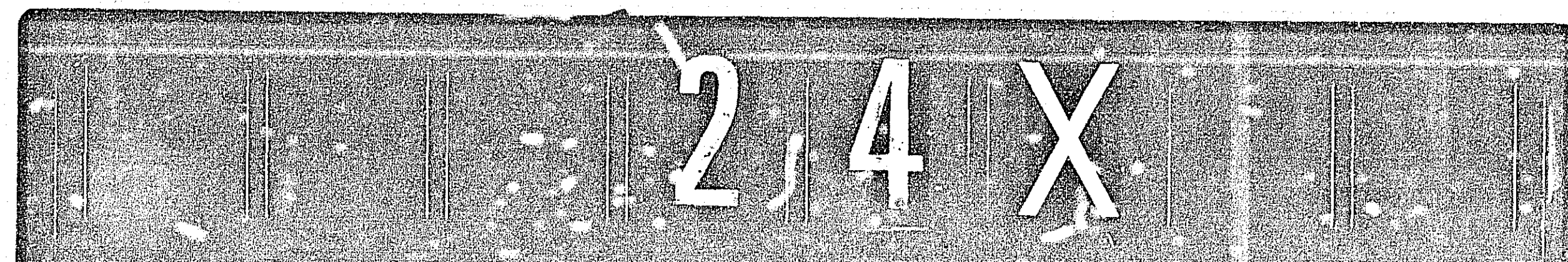
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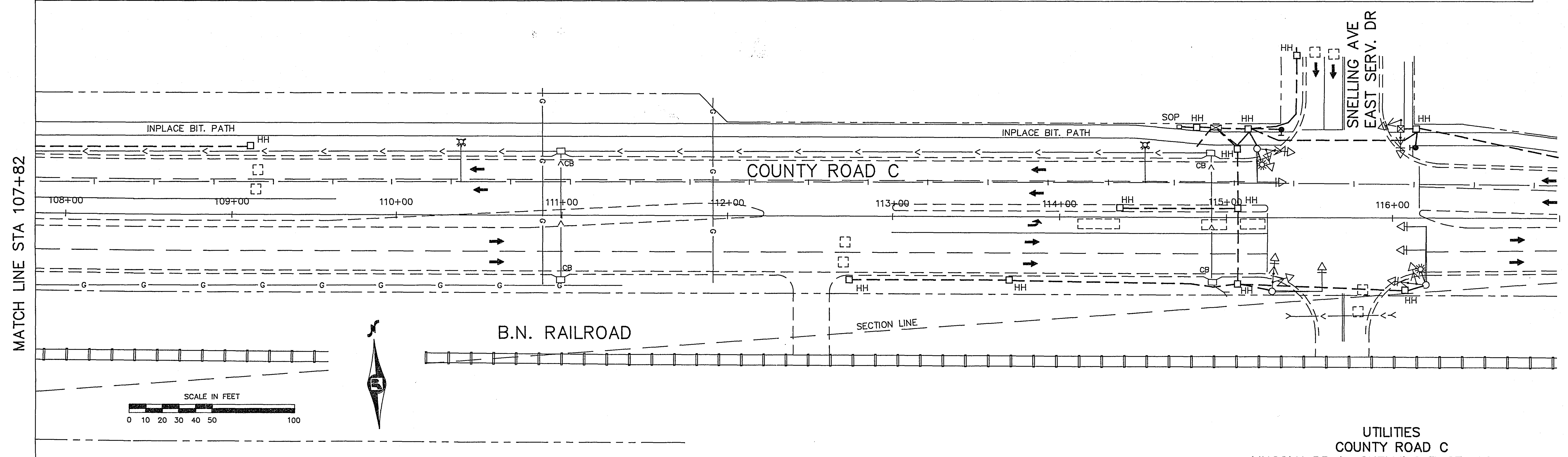
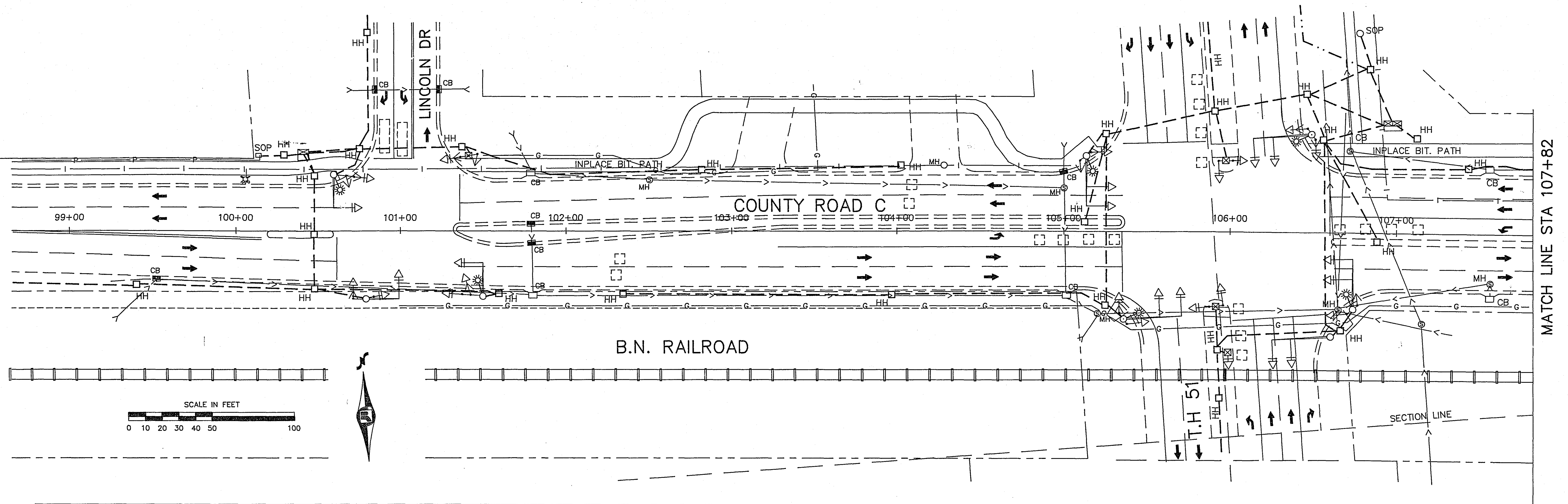
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Sheet No. 2 of 3 Sheets

23-154

23-154 County Rd C from Lincoln Dr to East Snelling Service Dr  
 SAP 62-623-37  
 1-3





UTILITIES  
COUNTY ROAD C  
LINCOLN DR to SNELLING EAST SERV. DR

FOR INFORMATION ONLY

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S.A.P. No. 62-623-37

Sheet No. 3 of 3 Sheets

23-154

23-154 County Rd C from Lincoln Dr to East Snelling Service Dr  
SAP 62-623-37  
1-3

