

See Standard M-100-1 for STANDARD SYMBOLS

# STATE DEPARTMENT OF HIGHWAYS DIVISION OF HIGHWAYS—STATE OF COLORADO

|                           |          |             |           |
|---------------------------|----------|-------------|-----------|
| FEDERAL ROAD DISTRICT NO. | DIVISION | PROJECT NO. | SHEET NO. |
| VII                       | COLORADO | FR 014-2(7) | 1         |

| DATE | REVISIONS<br>SHEET NOS. | DATE |
|------|-------------------------|------|
|      |                         |      |
|      |                         |      |
|      |                         |      |
|      |                         |      |

PLAN AND PROFILE OF PROPOSED "AS CONSTRUCTED" PLANS

FEDERAL AID PROJECT NO. FR 014-2(7)

STATE HIGHWAY NO. 14

WELD COUNTY

## TABULATION OF LENGTH

| STATION                                                                       | ROADWAY<br>LINEAL FEET | LENGTH<br>MILES |
|-------------------------------------------------------------------------------|------------------------|-----------------|
| 1000+00 Begin FR 014-2(7)<br>1000+00 End FR 014-2(6)<br>1000+00 on S 0024(10) | 14,000                 | 2.652           |
| 1140+00 End FR 014-2(7)<br>1140+00 on S 0024(10)                              |                        |                 |
| Total (Net & Gross Length)                                                    | 14,000                 | 2.652           |

## DESIGN DATA

|                              |                                   |
|------------------------------|-----------------------------------|
| Maximum Degree of Curve      | 1°15'                             |
| Maximum Grade                | 3%±                               |
| Minimum SSD Horizontal       | >900'                             |
| Minimum SSD Vertical         | 550'                              |
| Maximum Design Speed         | 65mph                             |
| 2002 Design Volume           | ADT 1350<br>DHW 160<br>26% Trucks |
| 10 year design for surfacing |                                   |

## TABULATION OF RIGHT OF WAY LENGTH

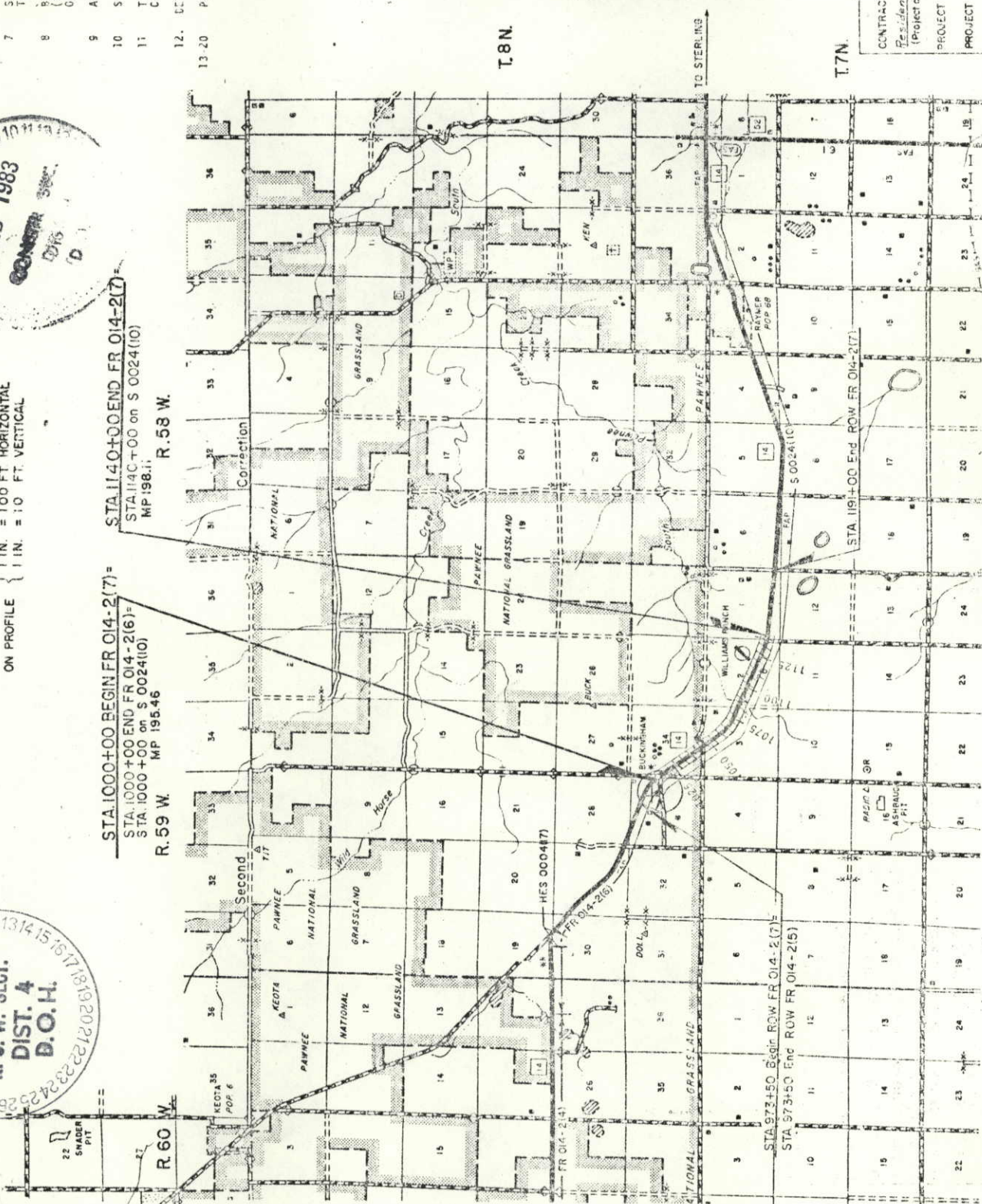
| STATION                                                    | LENGTH<br>LINEAL FEET | LENGTH<br>MILES |
|------------------------------------------------------------|-----------------------|-----------------|
| 973+50 Begin ROW FR 014-2(7)<br>973+50 End ROW FR 014-2(5) | 21,750                | 4.119           |
| 1194+00 End ROW FR 014-2(7)                                |                       |                 |
| Total (Net & Gross Length)                                 | 21,750                | 4.119           |



ON PLAN, 1 IN. = 100 FT.  
ON PROFILE, 1 IN. = 100 FT. HORIZONTAL  
1 IN. = 10 FT. VERTICAL

STA. 1000+00 BEGIN FR 014-2(7)  
STA. 1000+00 END FR 014-2(6)  
STA. 1000+00 on S 0024(10)  
MP 198.11  
R. 59 W.

STA. 1140+00 END FR 014-2(7)  
STA. 1140+00 on S 0024(10)  
MP 198.11  
R. 58 W.

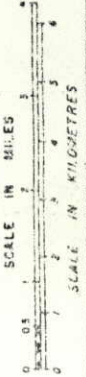


| DIST. IV    | FILE | COPY |
|-------------|------|------|
| DIST. ENGR. |      |      |
| ASST. ENGR. |      |      |
| CONSTR.     |      |      |
| PRE-CONST.  |      |      |
| ERA         |      |      |
| UTIL.       |      |      |
| DESIGN      |      |      |
| ROW         |      |      |
| MAT'L'S     |      |      |
| EEO         |      |      |
| RE-PE'S     |      |      |
| MAINT.      |      |      |
| TRAFFIC     |      |      |

DIVISION OF HIGHWAYS

APPROVED: *U. F. R. Richelieu* 6-15-82  
CHIEF ENGINEER

|                               |                           |
|-------------------------------|---------------------------|
| CONTRACTOR                    | STERLING PAVING CO.       |
| ENGINEER                      | L. J. Van Halbeek         |
| PROJECT STARTED               | 21 JULY 82                |
| PROJECT COMPLETED             | 19 NOV 82                 |
| AS CONSTRUCTED PLANS APPROVED | <i>U. F. R. Richelieu</i> |
| TITLE                         | Dist. Constr. Plans       |
| DATE                          | 1-12-83                   |



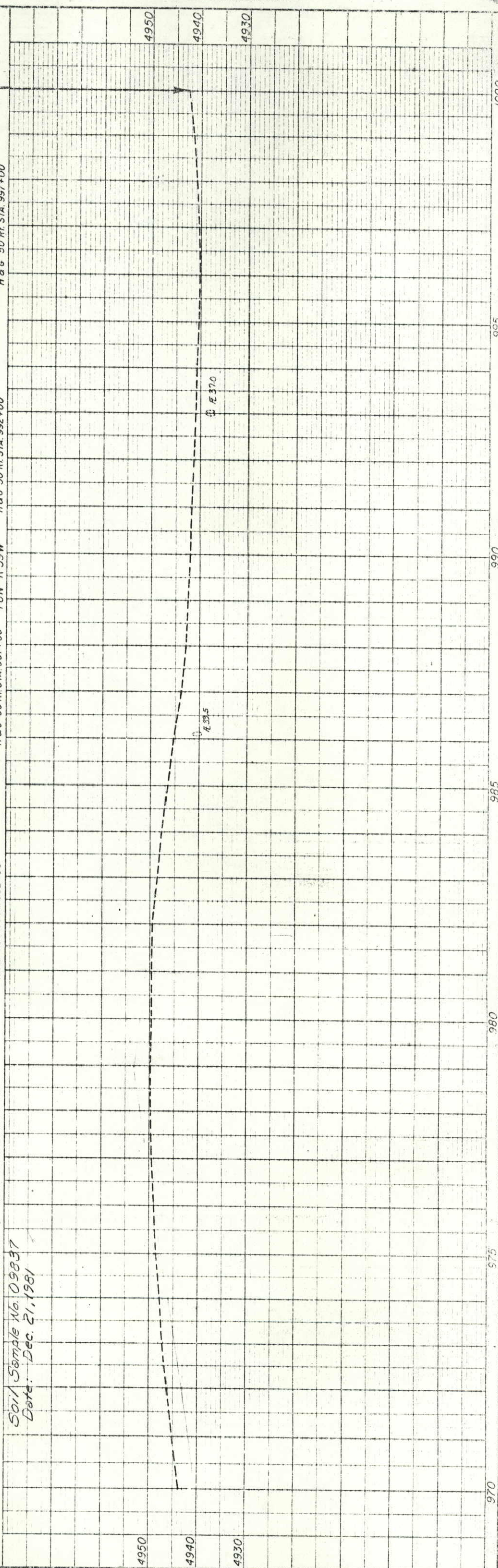
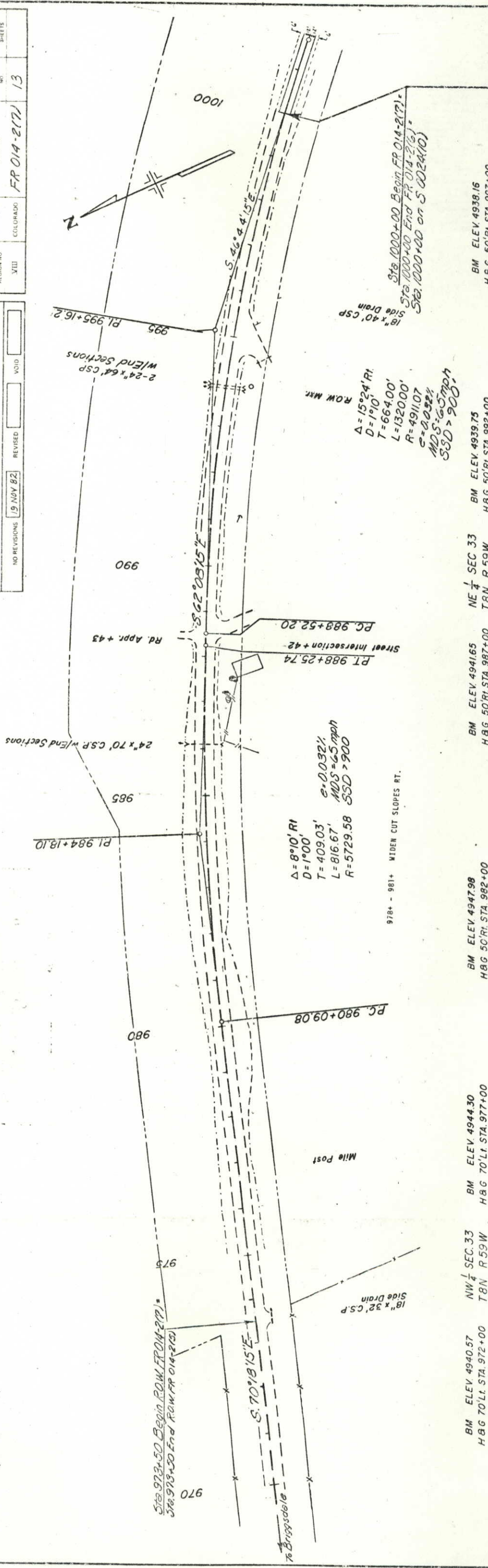
|                                |  |          |             |           |              |
|--------------------------------|--|----------|-------------|-----------|--------------|
| FEDERAL ROAD DISTRICT NO. VIII |  | DIVISION | PROJ. NO.   | SHEET NO. | TOTAL SHEETS |
| XIII                           |  | COLORADO | FR 014-2171 | 13        |              |

|              |           |         |      |
|--------------|-----------|---------|------|
| NO REVISIONS | 19 NOV 82 | REVISED | VOID |
|--------------|-----------|---------|------|

|                |
|----------------|
| AS CONSTRUCTED |
|----------------|

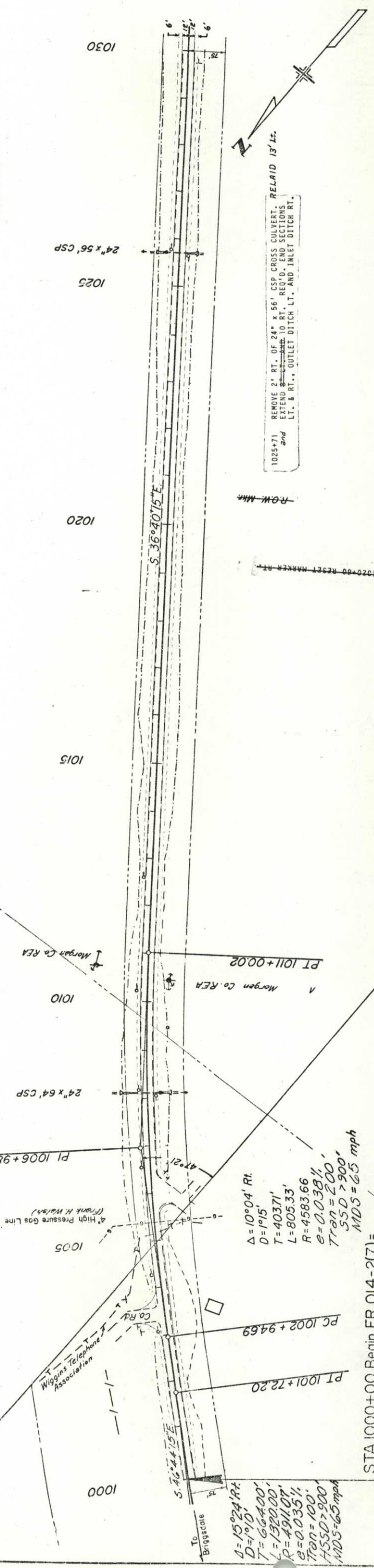


5011 Sample No. 09837  
Date: Dec. 21, 1981

1003+35 REQ'D. CO. RD. APPROACH LT. (N=30, R=50)  
1003+57 REQ'D. ROAD APPROACH RT. (W=4, R=20)  
1008+11 REMOVE 2' LT. OF 24" X 64" CROSS CULVERT.  
REPLACE 1' LT. AND 14" RT. REQ'D. END  
EVALUATIONS LT. & RT. INLET DITCH AND OUTLET  
DITCH RT.

NW $\frac{1}{4}$  Sec. 34  
T8N R59W

SW  $\frac{1}{4}$  Sec. 34  
T8N R59W



STA. 1000+00 Begin FR 014-2(7) =  
1000+00 End FR 014-2(6)

NE  $\frac{1}{4}$  Sec. 33/  
T.8N., R.59W.

BM ELEV. 4945.13  
H&G 40' RT. STA. 1002+00

BM ELEV. 4939.35  
H&G 40' Rt. STA. 1007+00

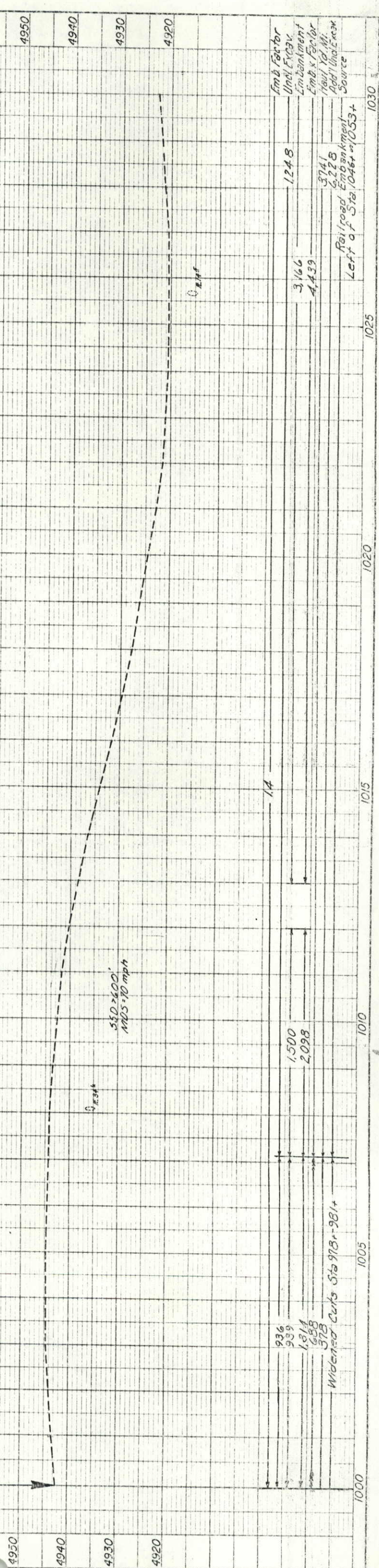
BM ELEV. 4939.06  
H&G 40' RT. STA. 1012+00

BM ELEV. 4921.04  
H&G 40' RT STA 1020+00

BM ELEV. 4916.60  
HRC 40' BT STA 1025+00

SW  $\frac{1}{2}$  Sec 34  
T8N R59W

Profile Grade Shall be the  
Required Overlay Thickness  
Above the Existing Pavement  
Profile Shown (See Typical  
Section, Sheet No.3)



Widener Cuts 5 to 98, 981 + 378

SW 1/4, Sec. 34  
T8N, R59W

NE 1/4, Sec. 3  
TTN, R59W

1041+60 - REQ'D COUNTY ROAD APPROACH LT.  
(M=29') (R=50') RELAY 10"x  
40" CSP (AT SAME STA.) AS  
SIDE DRAIN. REQ'D. END  
SECTIONS.  
1041+90 - RESET MAILBOX STRUCTURE LT.

USGS MNR.  
CO. Rd. 86 18"x40" CSP Side Drain  
Tel. Cable MNR.

$\Delta = 26^\circ 54' \text{ Lt.}$   
 $D = 1^\circ$   
 $T = 1370.25$   
 $L = 2690.$   
 $E = 161.86$   
 $R = 5729.58$   
 $S50 = 65 \text{ mph}$   
 $NDS = 65 \text{ mph}$   
 $e = 0.032 \%$   
 $\text{Tran} = 200'$   
 $\text{SSD} > 900'$

1055  
1050

30"x48" CIP  
24"x58" CSP  
24"x58" CSP

PC 1046+47.45  
POT 1044+00  
304' +32  
214'

1045+00 - RESET MARKER, RT.

1049+24 - REMOVE 24"x58" CSP. RELAY  
36"x58" CSP FROM STATION 1084+89 AS  
CROSS CULVERT. REQ'D. END SECTION LT.  
& RT. INLET DITCH.

1050+42 - REMOVE 24"x58" CSP. RELAY  
36"x58" CSP FROM STATION 1085+10 AS  
CROSS CULVERT. REQ'D. END SECTION LT.  
& RT. REMOVE 30"x48" CIP LT.  
(4) EXTEND 36"x48" WITH NEW 28" C.S.P.

STATION  
1049+24  
&  
1050+42  
D.A. = 500 ACRES  
Q100 = 140 CFS  
Q25 = 90 CFS  
AHW = 4900.00  
DHW = 4898.6

1045+00 - RESET MARKER, RT.

NE 1/4, Sec. 3  
TTN, R59W

BM#1 ~ Elev. 4914.84  
USGS Brass Cap H312

BM#2 ~ Elev. 4904.20  
Steel Pin 1045+00

BM#3 ~ Elev. 4897.64  
Steel Pin 1050+00

BM#4 ~ Elev. 4904+76  
Steel Pin Rt. 1055+00

NE 1/4, Sec. 3  
TTN, R59W

BM#5 ~ Elev. 4899+71  
Steel Pin Rt. 1060+00

Profile Grade shall be the  
Required Overlay Thickness  
Above the Existing Pavement  
Profile Shown (See Typical  
Section, Sheet No. 3)

S50 = 600'  
MDS = 70 mph

S50 = 600'  
MDS = 70 mph

1.4

671  
939

Emb. Factor  
Unl. Enkr.  
Emb. Factor  
Unl. Enkr.  
Add'l Unl. Enkr.  
Source

1030

1035

1040

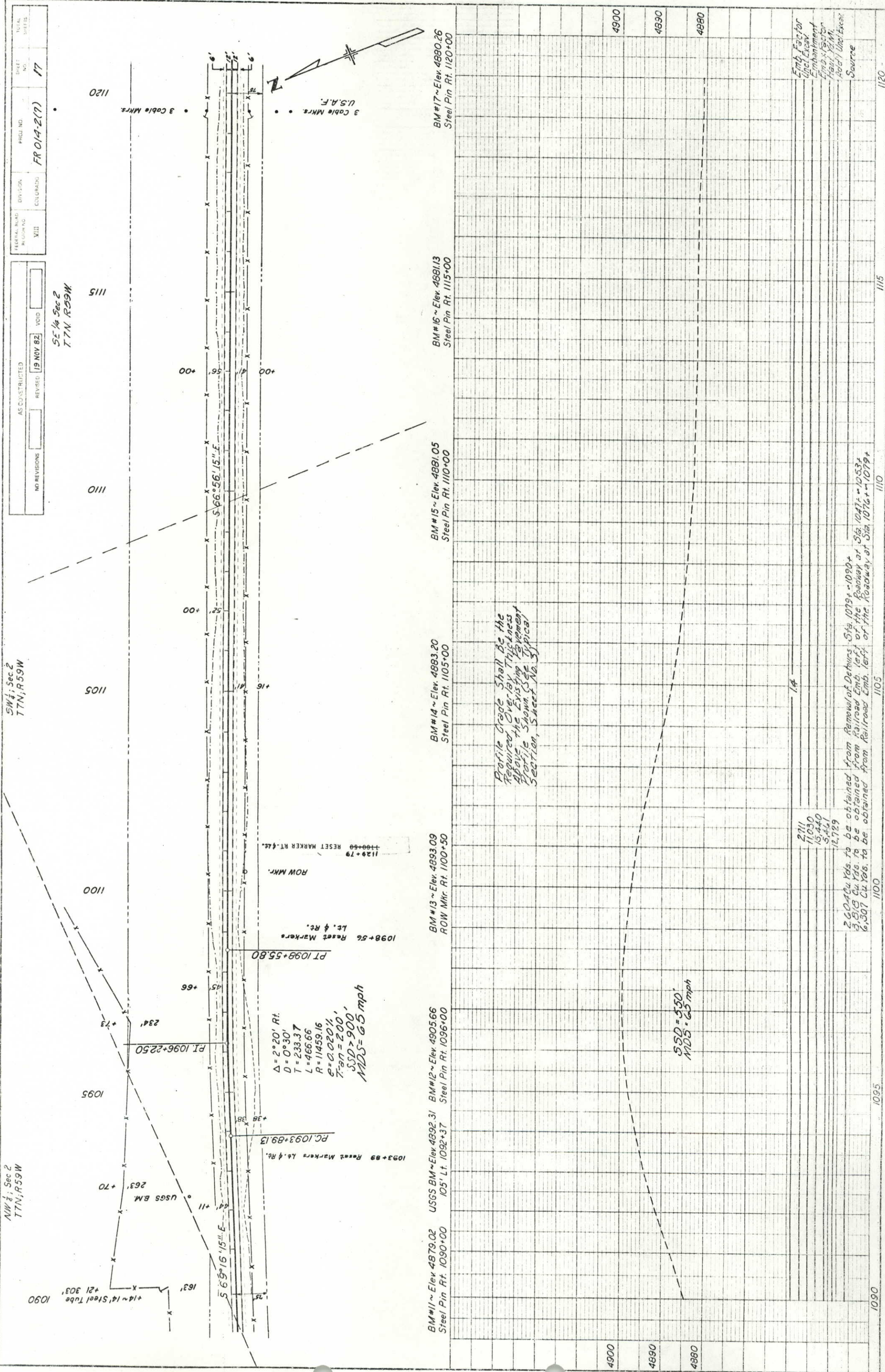
1045

1050

1055

1060





AS CONSTRUCTED  
NO REVISIONS  
REVISED 19 NOV 82  
VOID

SE 1/4 Sec 2  
T7N R59W

FR 014-2(7)  
DIVISION  
COLORADO  
VIII

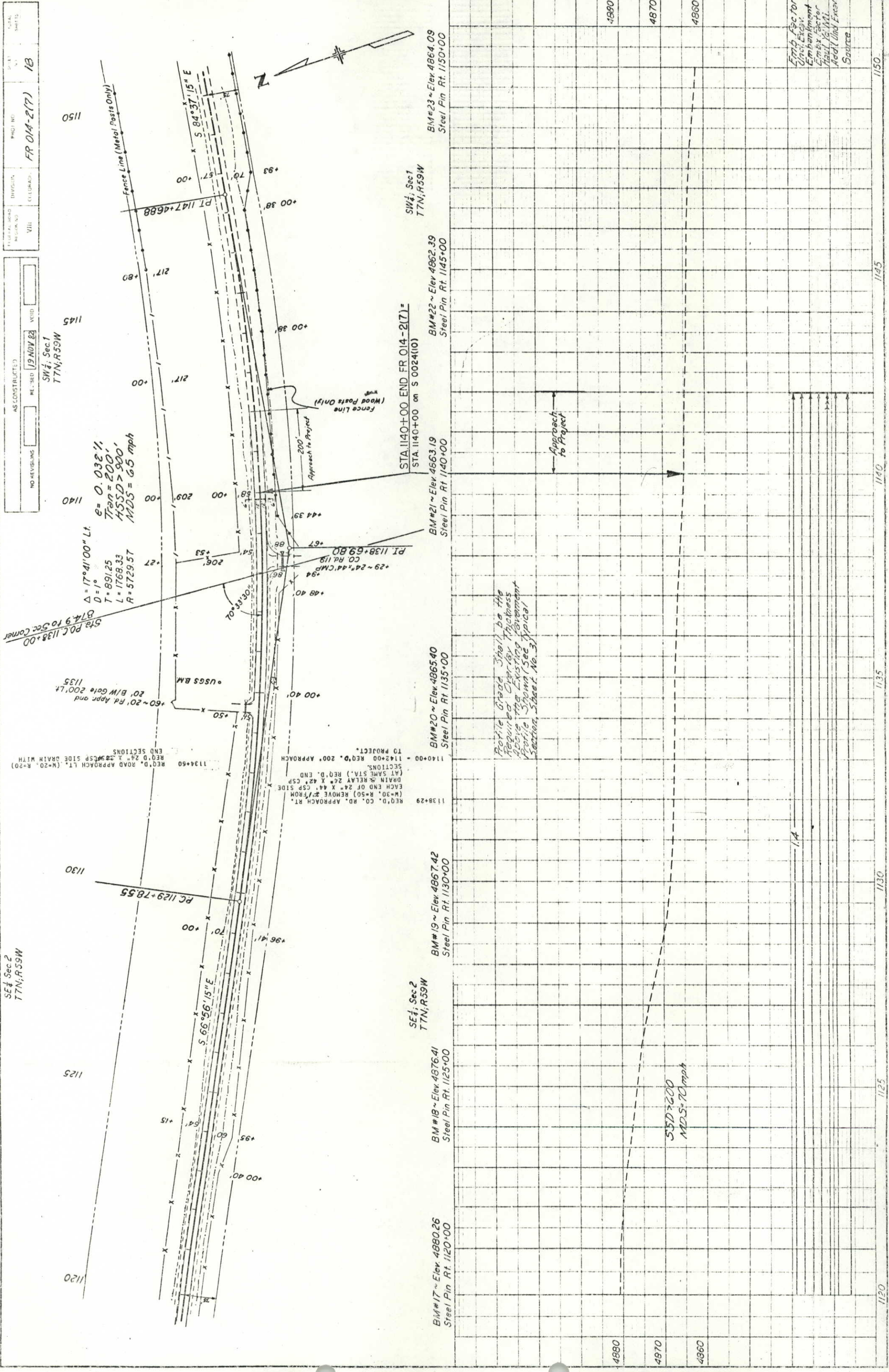
SHEET NO. 17  
TOTAL SHEETS

NW 1/4 Sec 2  
T7N, R59W

NW 1/4 Sec 2  
T7N, R59W

NW 1/4 Sec 2  
T7N, R59W

NW 1/4 Sec 2  
T7N, R59W



|                        |  |             |         |           |              |
|------------------------|--|-------------|---------|-----------|--------------|
| AS CONSTRUCTED         |  |             |         |           |              |
| NO REVISIONS           |  |             | REVISED | 19 NOV 82 | VOID         |
|                        |  |             |         |           |              |
| DIVISION               |  | PROJECT NO. |         | SHEET NO. | TOTAL SHEETS |
| COLUMBIA               |  | FR 01A-2(7) |         | 19        |              |
| FEDERAL ROAD REGION NC |  | VIII        |         |           |              |

SE  $\frac{1}{4}$ ; Sec. 1  
T7N; R59W

