

CONST. DRAWING COPY

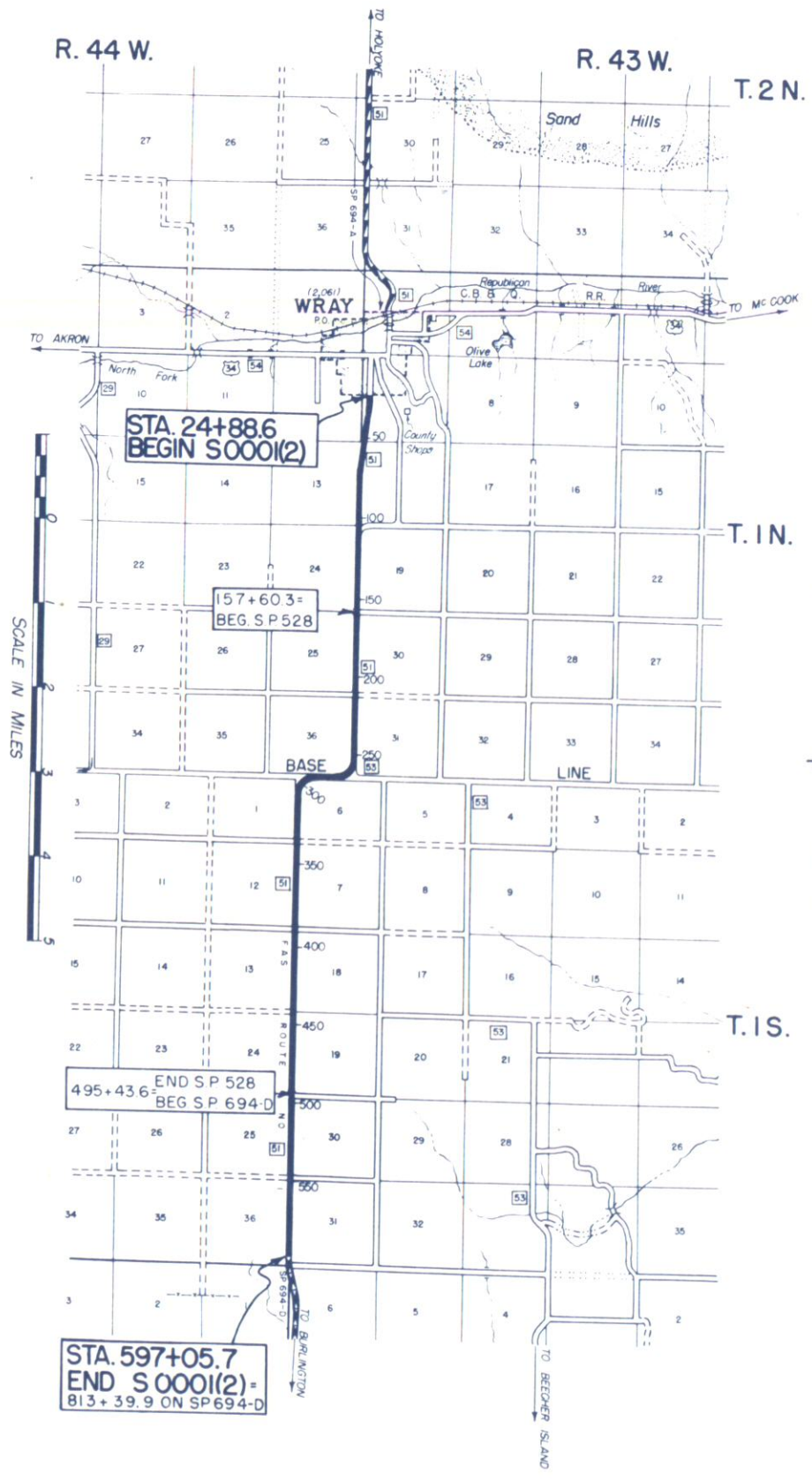
INDEX OF SHEETS

|             |   |
|-------------|---|
| SHEET NO. 1 | TITLE SHEET AND SKETCH MAP                                    |
| " 2         | TABULATION OF PROPERTIES                                      |
| " 3         | ALIGNMENT PLAN AND PROFILE<br>(SHOWING REQUIRED RIGHT OF WAY) |
| " 4         | OWNERSHIP MAP   |

**COLORADO**  
**STATE HIGHWAY DEPARTMENT**  
**PLAN AND PROFILE OF PROPOSED**  
**FEDERAL AID SECONDARY PROJECT NO. S 0001(2)**  
**STATE HIGHWAY NO. 51**  
**YUMA COUNTY**

SCALES OF ORIGINAL TRACINGS  
 ON PLAN, 1 IN. = 200 FT.  
 ON PROFILE, 1 IN. = 20 FT. HORIZONTAL  
 1 IN. = 20 FT. VERTICAL  
 GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD  
 GROSS LENGTH OF PROJECT } 57.017 FT. = 10.798 MILES  
 NET LENGTH OF PROJECT }

RIGHT OF WAY



CONVENTIONAL SIGNS

|                              |                 |
|------------------------------|-----------------|
| CENTER LINE                  | TITLE SHEET     |
| RIGHT-OF-WAY LINE            |                 |
| COUNTY LINE                  | 1 8 S. R. 89 W. |
| TOWNSHIP OR RANGE LINE       | 7 7 S. R. 89 W. |
| SECTION LINE                 |                 |
| QUARTER SECTION LINE         |                 |
| SIXTEENTH SECTION LINE       |                 |
| PROPERTY OR TRACT LINE       |                 |
| CITY LIMITS                  |                 |
| RAILROAD                     |                 |
| BARBED WIRE FENCE            |                 |
| WOVEN WIRE-COMBINATION FENCE |                 |
| SNOW FENCE                   |                 |
| TELEPHONE & TELEGRAPH LINE   |                 |
| POWER LINE                   |                 |
| DETOUR ROUTE                 |                 |
| PRESENT ROAD (PLAN SHEETS)   |                 |

INFORMATION OBTAINED FROM  
 AVAILABLE COUNTY RECORDS.

RIGHT OF WAY

|                     |       |           |           |
|---------------------|-------|-----------|-----------|
| FED. ROAD DIST. NO. | STATE | PROJ. NO. | SHEET NO. |
| 3                   | COLO. | S 0001(2) | 1         |



Scale = 1 inch = 200 feet

|                     |       |           |           |              |
|---------------------|-------|-----------|-----------|--------------|
| FED. ROAD DIST. NO. | STATE | PROJ. NO. | SHEET NO. | TOTAL SHEETS |
| 3                   | COLO. | S0001(2)  | 3         | 3            |

**RIGHT OF WAY**

N.W. Sec 6, T.15, R.43W.

Albert Fix  
Wray, Colorado

$\Delta = 90^{\circ}45' \text{ Lt.}$   
 $D = 5^{\circ}00'$   
 $E = 485.4'$   
 $T = 1161.1'$   
 $L = 18150'$   
 $R = 1146.0'$

$5.64^{\circ}53' \text{ W}$   
 $1560.1'$  proposed R.O.W.

N.E. Sec. 1, T.15., R.44 W.

$N. 89^{\circ}38'30" \text{ W}$   
 $280'$

PC 289180.7

S.E. Sec 36., T.1N., R.44 W.

$\Delta = 89^{\circ}43' \text{ Rt}$   
 $D = 5^{\circ}00'$   
 $E = 470.7'$   
 $T = 1140.4'$   
 $L = 1794.3'$   
 $R = 1146.0'$

Harry Schmitt  
Wray, Colorado

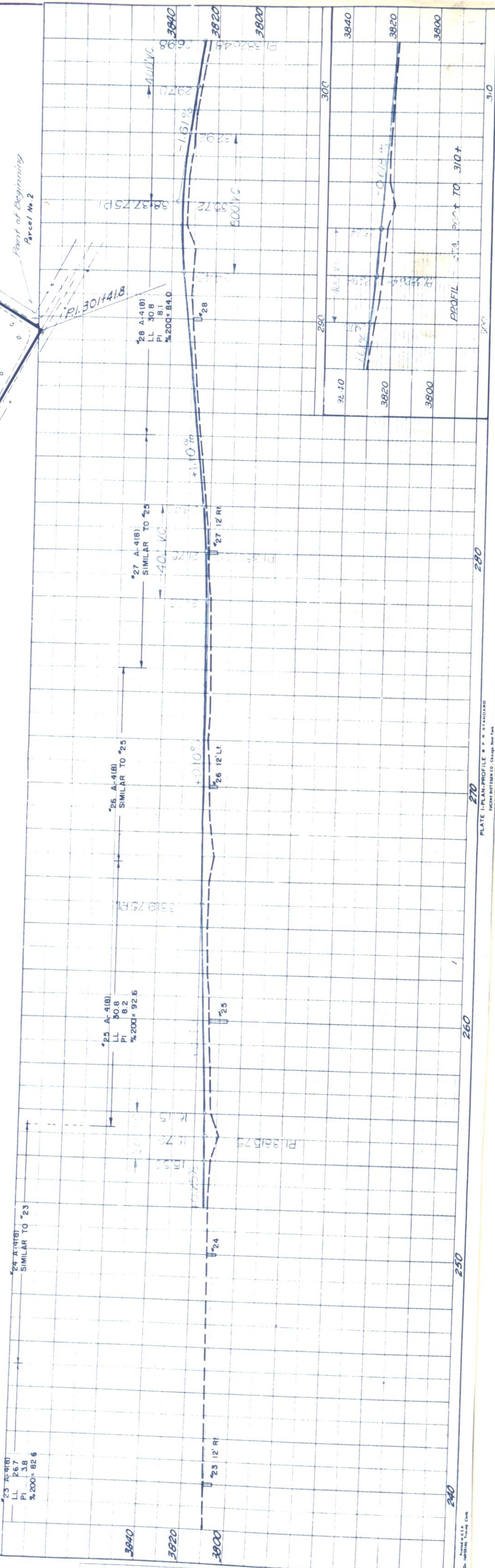
$N. 45^{\circ}30' \text{ E}$   
 $1536.1'$

$S. 99^{\circ}21'36" \text{ E}$   
 $25210.5 \text{ PC}$

S.W. Sec 31, T.1N., R.43 W.

250

$S. 0^{\circ}38'30" \text{ W}$   
 $957.6'$



PLAN SURVEYED BY CS Danforth

PROFILE SURVEYED BY CS Danforth

|                    |       |           |           |              |
|--------------------|-------|-----------|-----------|--------------|
| FED ROAD DIST. NO. | STATE | PROJ. NO. | SHEET NO. | TOTAL SHEETS |
| 3                  | COLO  | S 000(2)  | 4         |              |

PRELIMINARY OWNERSHIP MAP  
 PROJECT 5-0001 (2)  
 WRAY - SOUTH  
 S.H. No. 51  
 5-51-51

CONSTR. ENGINEER'S COPY

RIGHT OF WAY

NW 1/4 Sec. 31  
 T1N R43W  
 Albert Fox  
 Wray, Colorado  
 Assessed \$1800.00  
 Improvements \$200.00

SW 1/4 Sec. 31  
 T1N R43W  
 Stephen Cor. & Marie Briggs  
 Wray, Colorado  
 Assessed \$1800.00  
 Improvements \$200.00

SE 1/4 + NW 1/4 + W 1/2 of 1/4 Sec. 6  
 T1S R43W  
 Albert Fox  
 Wray, Colorado  
 Assessed \$200 per Acre  
 Improvements \$600.00

All of Sec. 36  
 T1N R43W  
 Harry Schmitt  
 Wray, Colorado  
 Assessed \$7200  
 Improvements -None

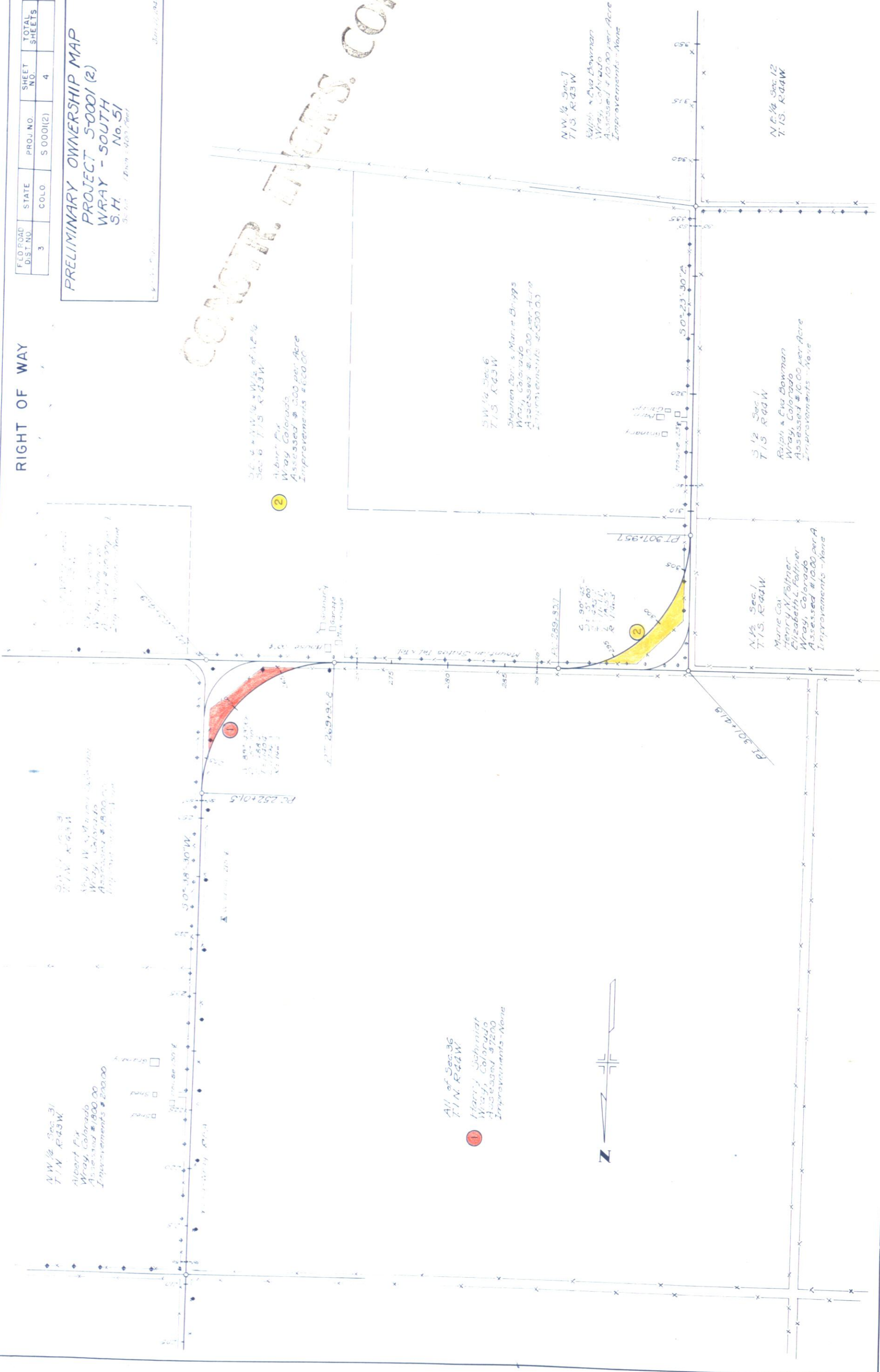
SW 1/4 Sec. 6  
 T1S R43W  
 Stephen Cor. & Marie Briggs  
 Wray, Colorado  
 Assessed \$1200 per Acre  
 Improvements \$500.00

NW 1/4 Sec. 7  
 T1S R43W  
 Ralph & Eva Bowman  
 Wray, Colorado  
 Assessed \$1000 per Acre  
 Improvements -None

S 1/2 Sec. 1  
 T1S R44W  
 Ralph & Eva Bowman  
 Wray, Colorado  
 Assessed \$1000 per Acre  
 Improvements -None

N 1/2 Sec. 1  
 T1S R44W  
 Marie Cor.  
 Henry M. Faltner  
 Elizabeth C. Faltner  
 Wray, Colorado  
 Assessed \$1000 per A  
 Improvements -None

NE 1/4 Sec. 12  
 T1S R44W



| FED. ROAD DIST. NO. | STATE | PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-----------|-----------|--------------|
| 3                   | COLO. | S0001(2)  | 11        |              |

NW 4 Sec. 7, T.1N., R.43W.

S.W. 4 Sec. 7, T.1N., R.43W.

N.W. 4 Sec. 18, T.1N., R.43W.

N.E. 4 Sec. 13, T.1N., R.44W.

**NOTE:**

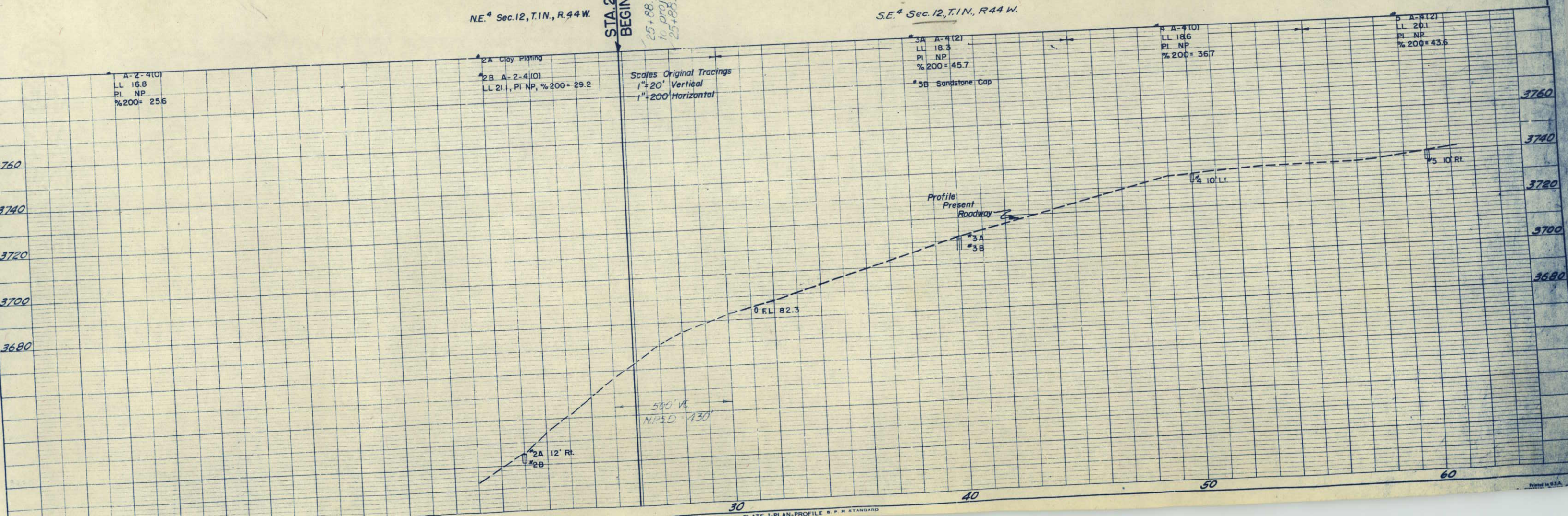
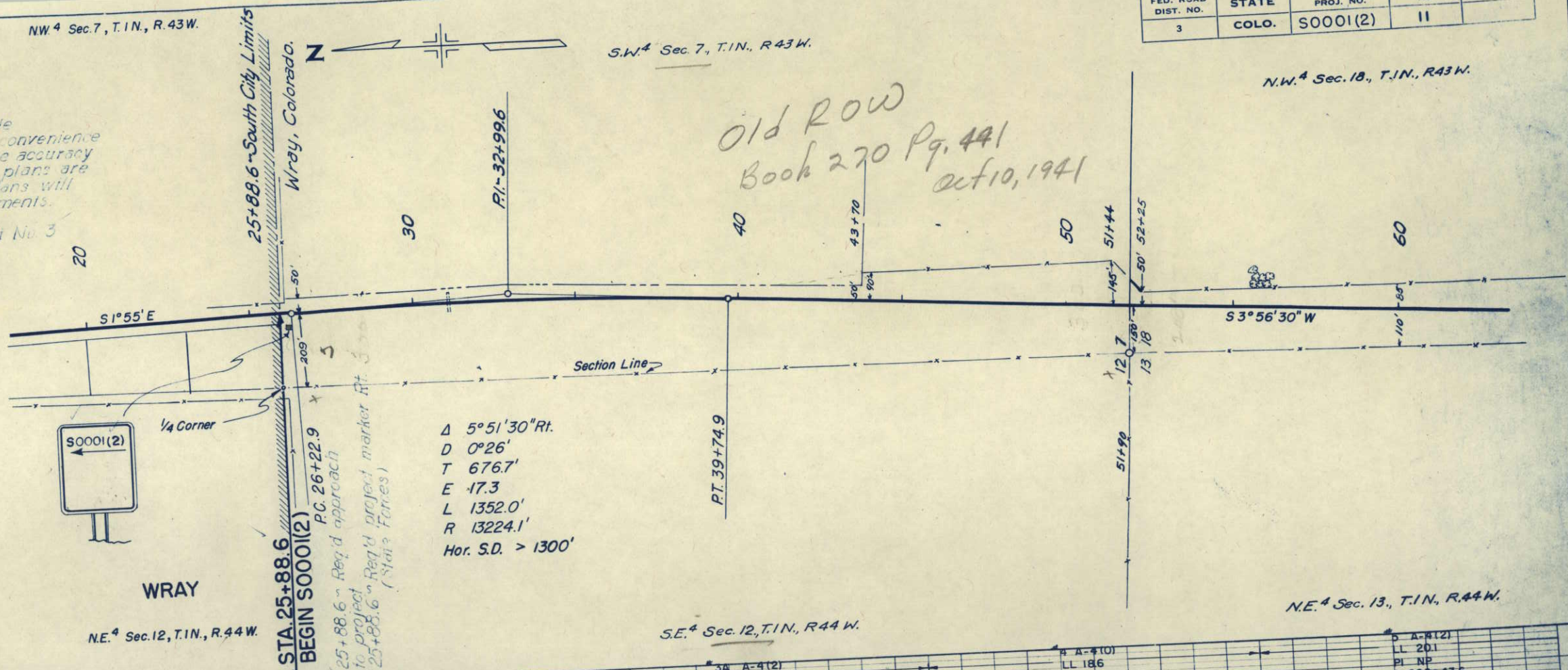
Alignment & Grades as shown are subject to modification after approval by the Denver Office.

Soil data shown on the plans is obtained from best available testing laboratory information. This information is shown for convenience of the Contractor and the Department does not guarantee the accuracy of these tests. If materials not conforming to the data on plans are encountered during construction the grading plan shown on plans will be modified where necessary to secure dense, stable embankments.

Guard Posts, Selected Borrow & Surfacing are tabulated on Sheet No. 3

All fencing requirements are shown in List of Structures.

Sta. 0+00, 2.0 Miles to Surfacing Pit Test 3610. Sur Surfacing, Stone Screenings, & Structure Backfill.  
 A-1-b(0)  
 L.L. 14.6  
 P.I. N.P.  
 %200=11.6



A-2-4(0)  
 LL 16.8  
 PI NP  
 %200= 25.6

2A Clay Paving  
 2B A-2-4(0)  
 LL 21.1, PI NP, %200= 29.2

Scales Original Tracings  
 1"=20' Vertical  
 1"=200' Horizontal

3A A-4(2)  
 LL 18.3  
 PI NP  
 %200= 45.7  
 3B Sandstone Cap

4 A-4(0)  
 LL 18.6  
 PI NP  
 %200= 36.7

5 A-4(2)  
 LL 20.1  
 PI NP  
 %200= 43.5

580' V  
 NP&D 430'

2A 12' Rt.  
 2B

DATE: \_\_\_\_\_  
 BY: G.S. Dumborth  
 CHECKED: \_\_\_\_\_  
 NO. 14280

DATE: \_\_\_\_\_  
 BY: G.S. Dumborth  
 CHECKED: \_\_\_\_\_  
 NO. 14280

N.W. Sec. 18, T.1N., R.43W.

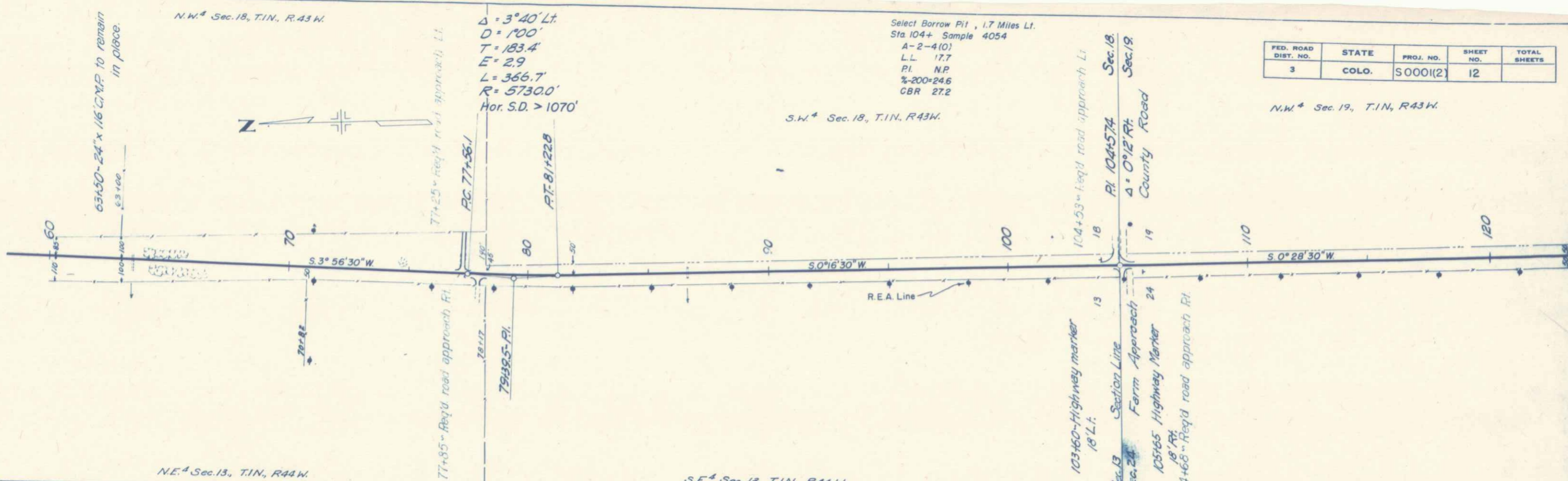
$\Delta = 3^{\circ}40' Lt.$   
 $D = 100'$   
 $T = 183.4'$   
 $E = 2.9'$   
 $L = 366.7'$   
 $R = 5730.0'$   
 Hor. S.D. > 1070'

Select Borrow Pit, 1.7 Miles Lt.  
 Sta 104+ Sample 4054  
 A-2-4(0)  
 L.L. 17.7  
 P.I. N.P.  
 $\%200 = 24.6$   
 CBR 27.2

| FED. ROAD DIST. NO. | STATE | PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-----------|-----------|--------------|
| 3                   | COLO. | S0001(2)  | 12        |              |

N.W. Sec. 19, T.1N., R.43W.

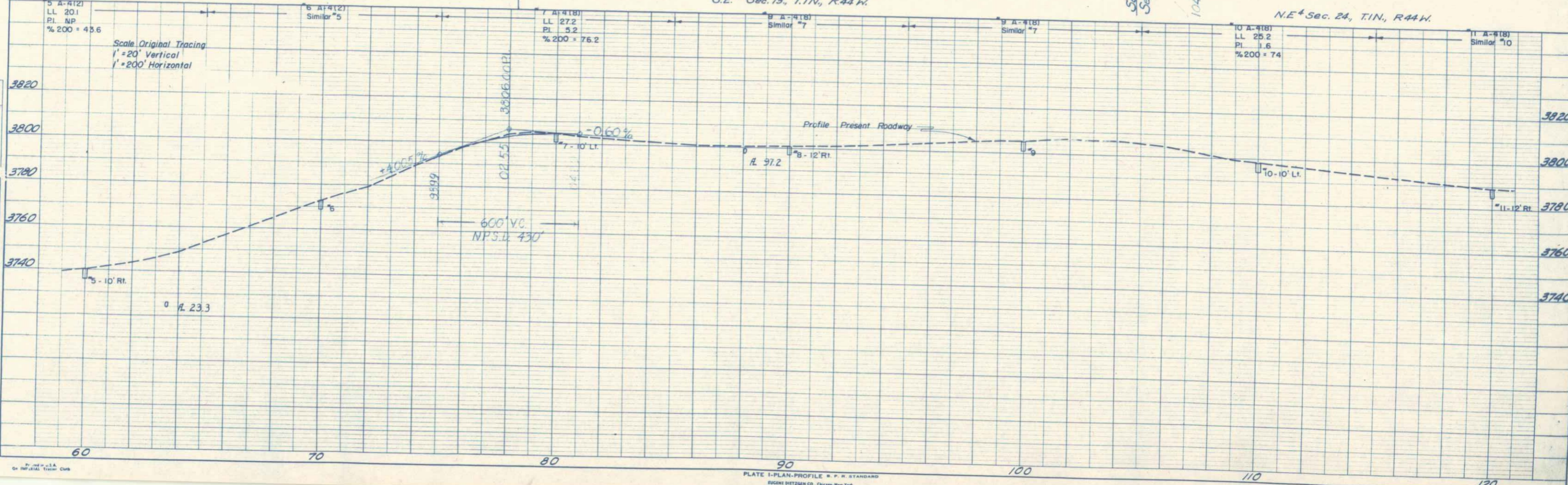
S.W. Sec. 18, T.1N., R.43W.



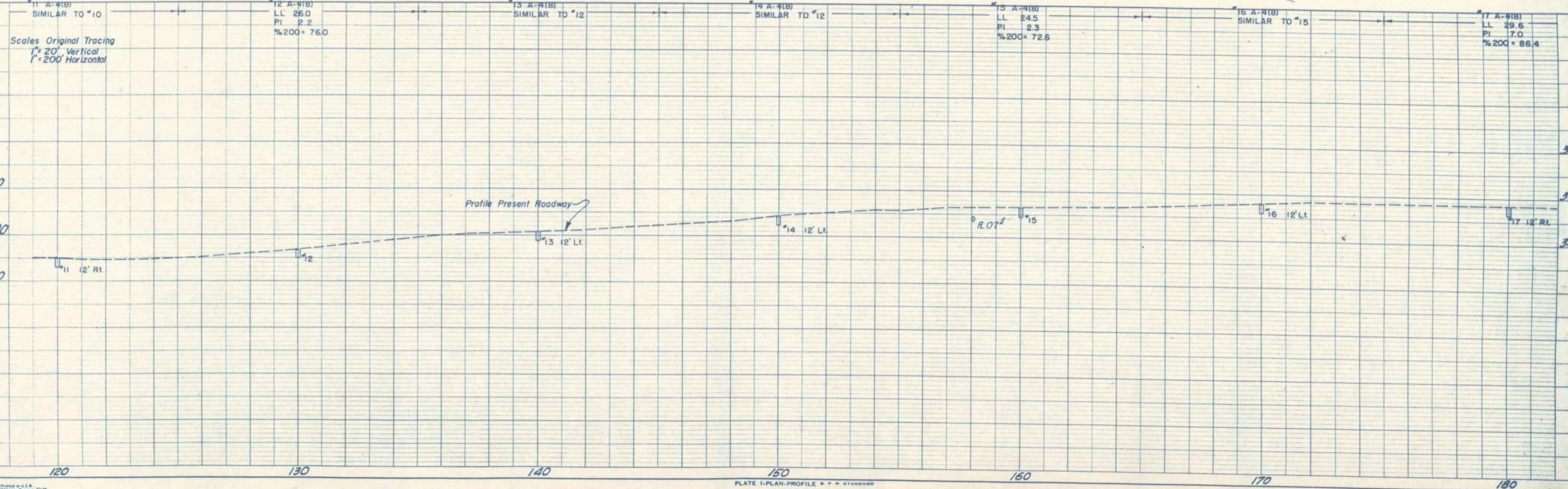
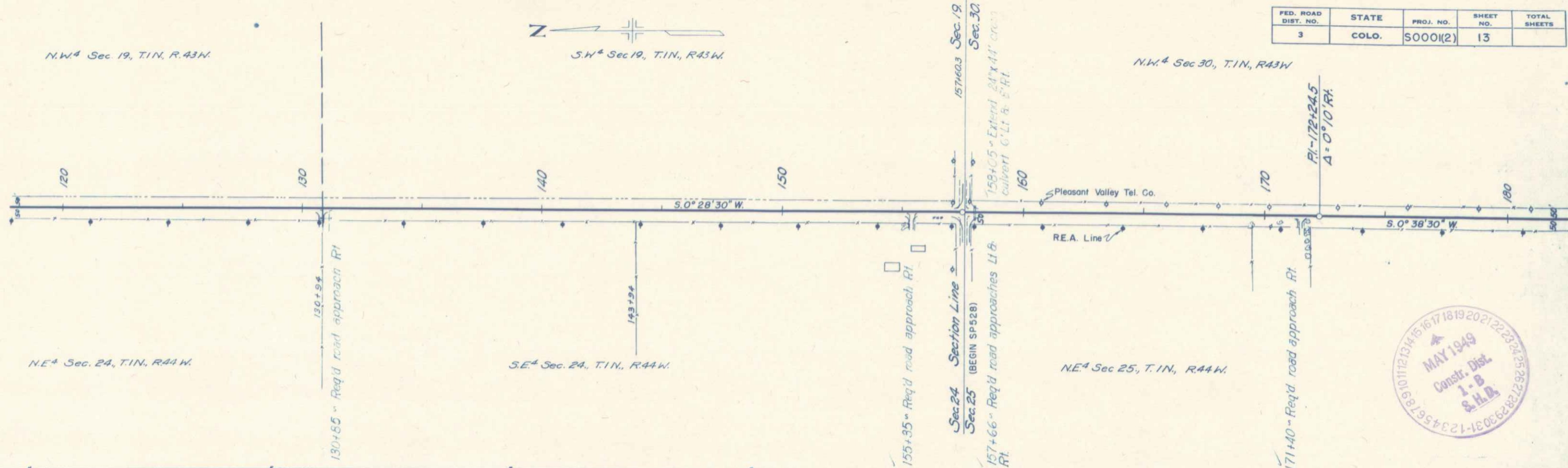
N.E. Sec. 13, T.1N., R.44W.

S.E. Sec. 13, T.1N., R.44W.

N.E. Sec. 24, T.1N., R.44W.



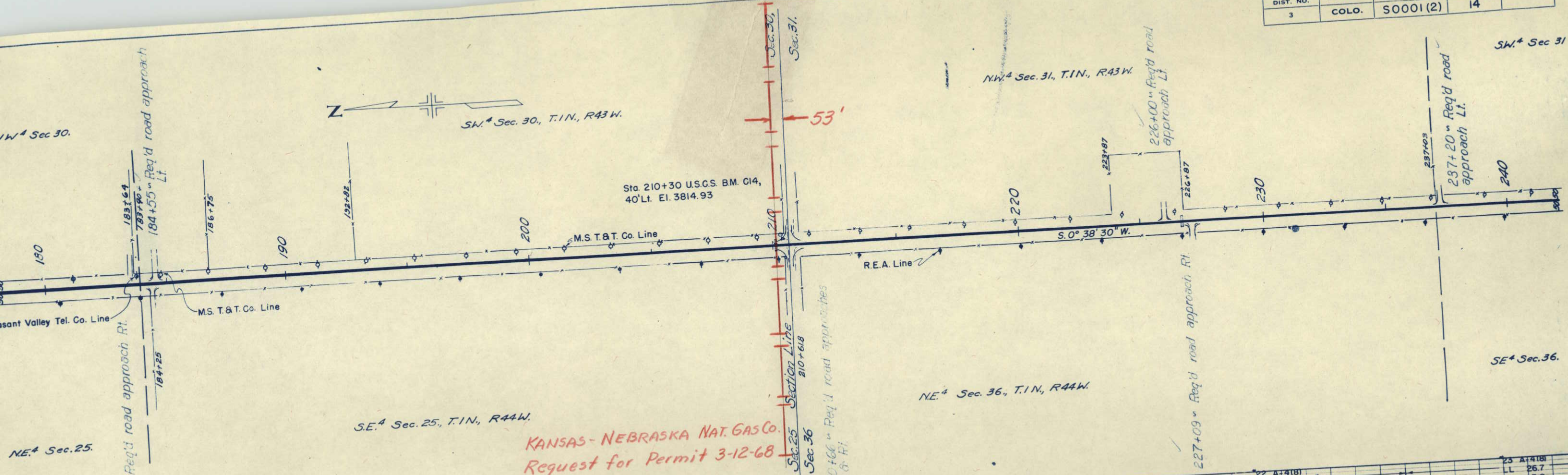
| FED. ROAD DIST. NO. | STATE | PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-----------|-----------|--------------|
| 3                   | COLO. | S0001(2)  | 13        |              |



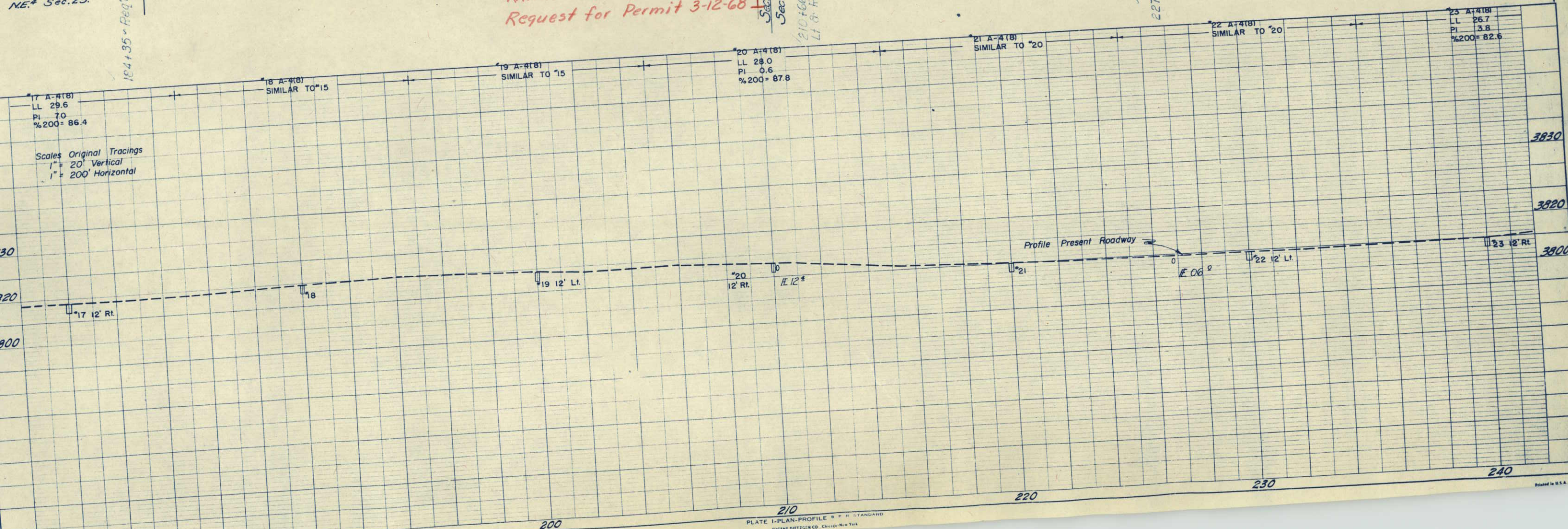
DATE  
BY G.S. Denton/ib  
SURVEYED  
PLANNED  
NOTED  
BY G.S. DENTON

DATE  
BY G.S. Denton/ib  
SURVEYED  
PLANNED  
NOTED  
BY G.S. DENTON

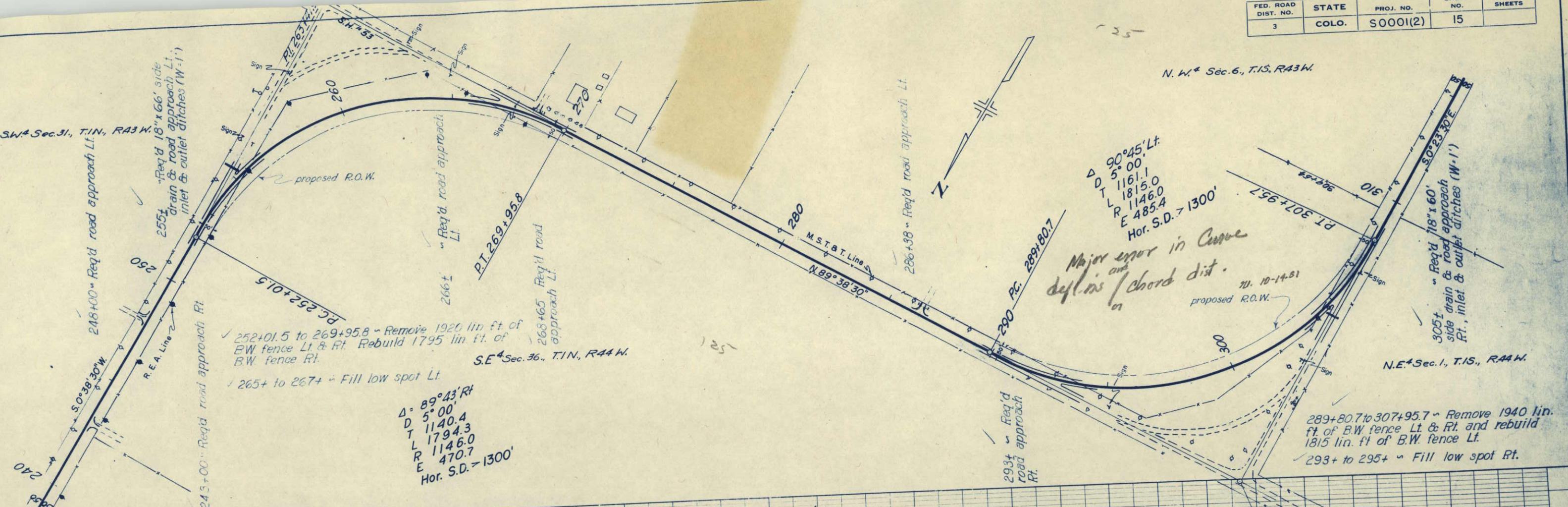
|                     |       |           |           |              |
|---------------------|-------|-----------|-----------|--------------|
| FED. ROAD DIST. NO. | STATE | PROJ. NO. | SHEET NO. | TOTAL SHEETS |
| 3                   | COLO. | S0001(2)  | 14        |              |



**KANSAS-NEBRASKA NAT. GAS CO.**  
**Request for Permit 3-12-68**



| FED. ROAD DIST. NO. | STATE | PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-----------|-----------|--------------|
| 3                   | COLO. | S0001(2)  | 15        |              |



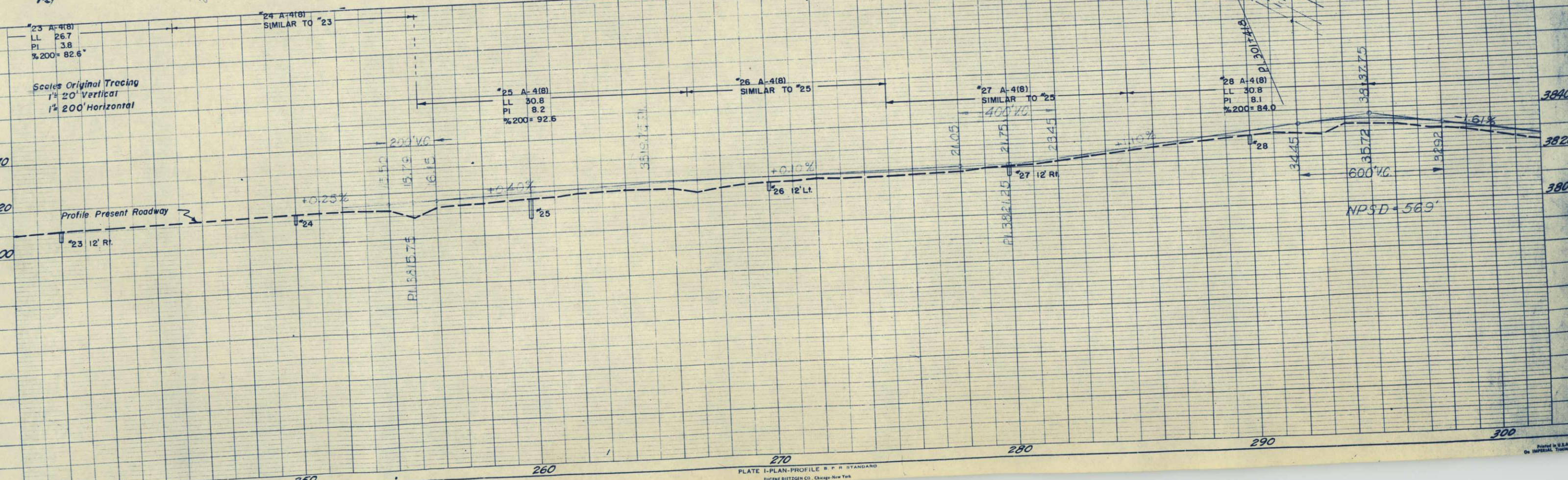
$\Delta = 90^\circ 45' \text{ Lt.}$   
 $D = 5^\circ 00'$   
 $T = 1161.1$   
 $L = 1815.0$   
 $R = 1146.0$   
 $E = 485.4$   
 $\text{Hor. S.D.} = 1300'$

Major error in Curve def'n's / chord dist.

$\Delta = 89^\circ 43' \text{ Rt.}$   
 $D = 5^\circ 00'$   
 $T = 1140.4$   
 $L = 1794.3$   
 $R = 1146.0$   
 $E = 470.7$   
 $\text{Hor. S.D.} = 1300'$

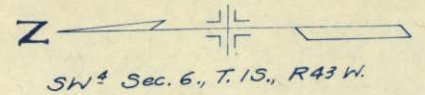
252+01.5 to 269+95.8 ~ Remove 1920 lin ft. of B.W. fence Lt. & Rt. Rebuild 1795 lin ft. of B.W. fence Rt.  
 265+ to 267+ ~ Fill low spot Lt.

289+80.7 to 307+95.7 ~ Remove 1940 lin. ft. of B.W. fence Lt. & Rt. and rebuild 1815 lin. ft. of B.W. fence Lt.  
 293+ to 295+ ~ Fill low spot Rt.

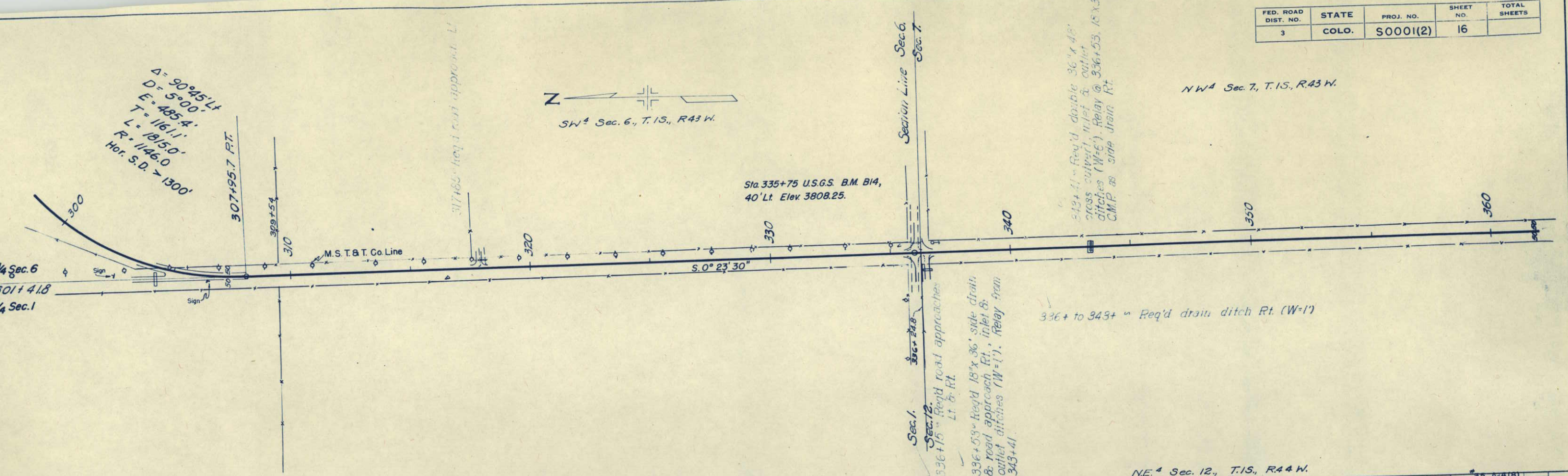


| FED. ROAD DIST. NO. | STATE | PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-----------|-----------|--------------|
| 3                   | COLO. | S0001(2)  | 16        |              |

NW<sup>4</sup> Sec. 7, T.1S., R.43 W.



$\Delta = 90^{\circ}45' Lt$   
 $D = 5^{\circ}00'$   
 $E = 485.4'$   
 $T = 1161.1'$   
 $R = 1815.0'$   
 $Hor. S.D. = 1300'$

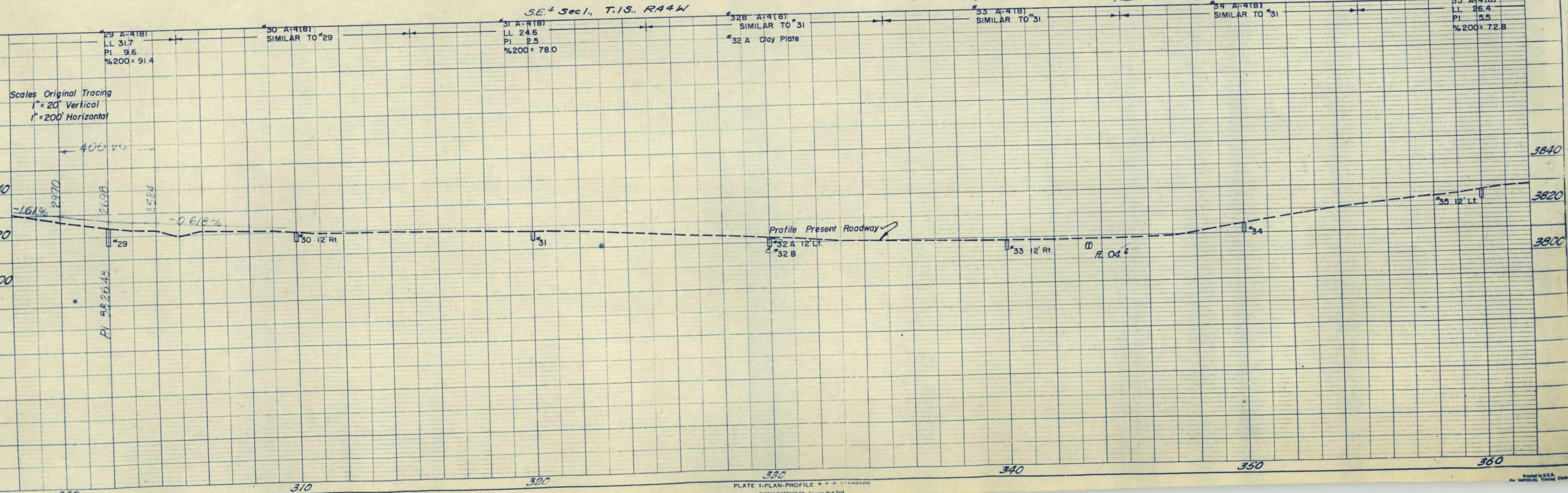


Sta. 335+75 U.S.G.S. B.M. B14,  
40' Lt. Elev. 3808.25.

336+ to 343+ ~ Req'd drain ditch Rt. (W=1')

Sec. 1. 336+15 ~ Req'd road approaches Lt. & Rt.  
 336+53 ~ Req'd 18" x 36" side drain & road approach Rt., inlet & outlet ditches (W=1'). Relay from 343+41.

343+41 ~ Req'd double 36" x 48" cross culvert, inlet & outlet ditches (W=6'). Relay @ 336+53. 15' x 30' C.M.P. as side drain Rt.



Scales Original Tracing  
 1" = 20' Vertical  
 1" = 200' Horizontal

SE<sup>4</sup> Sec. 1, T.1S., R.44 W.

NE<sup>4</sup> Sec. 12, T.1S., R.44 W.

|                     |       |           |           |              |
|---------------------|-------|-----------|-----------|--------------|
| FED. ROAD DIST. NO. | STATE | PROJ. NO. | SHEET NO. | TOTAL SHEETS |
| 3                   | COLO. | S0001(2)  | 17        |              |

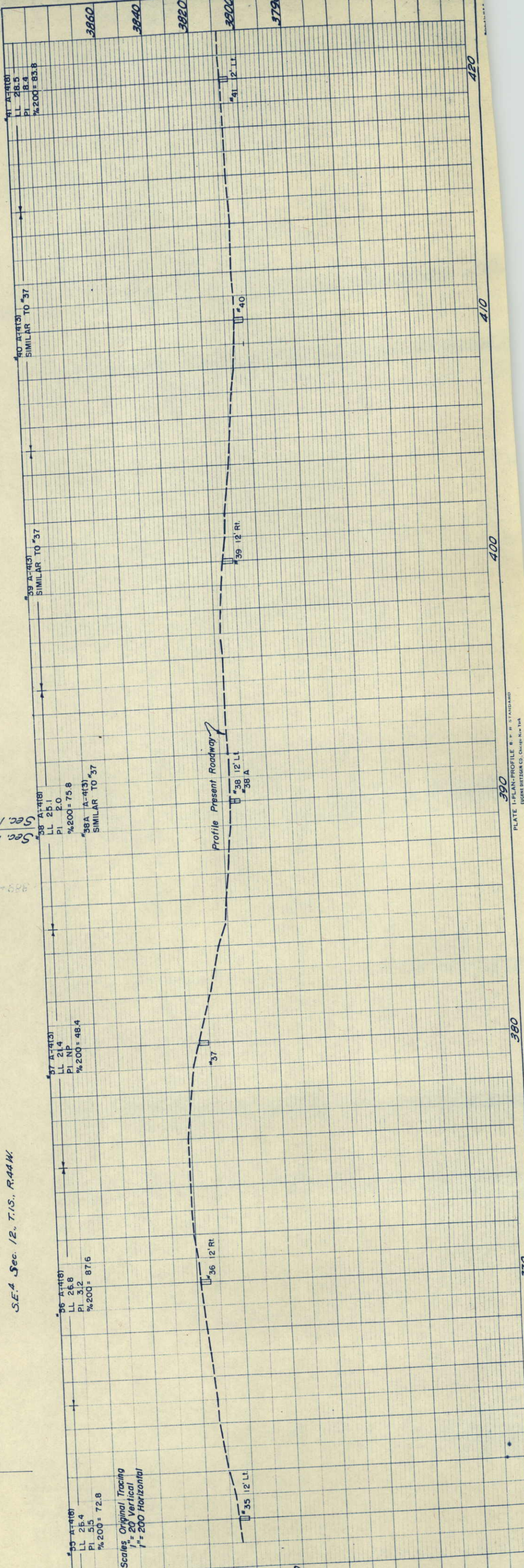
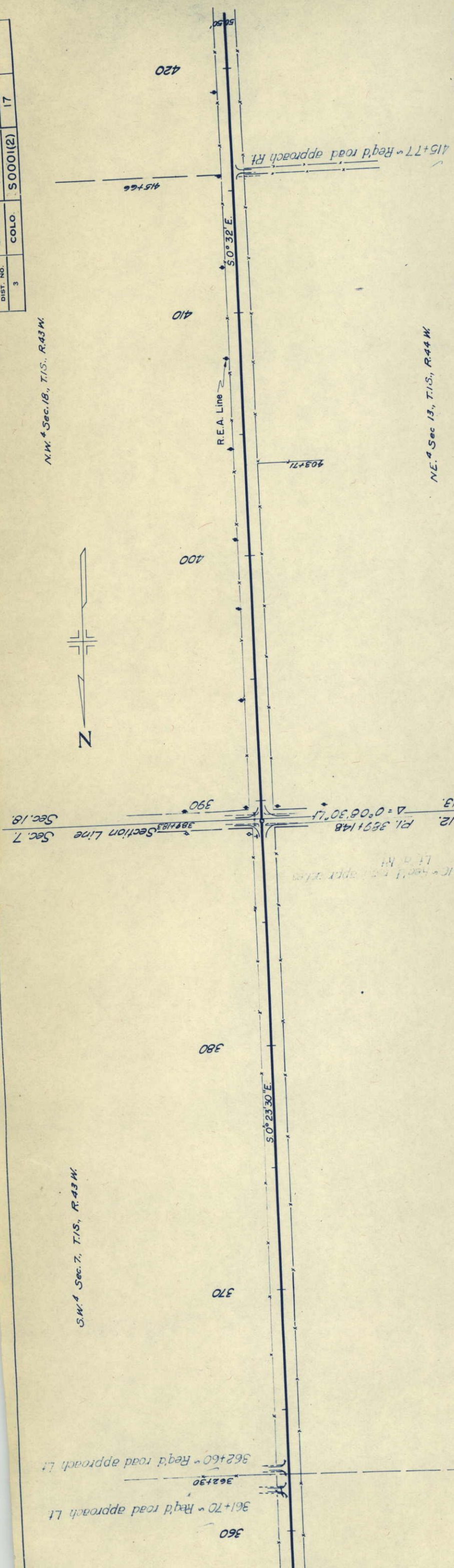
N.W. 4 Sec. 18, T.15, R.43 W.



S.W. 4 Sec. 7, T.15, R.43 W.

N.E. 4 Sec. 13, T.15, R.44 W.

S.E. 4 Sec. 12, T.15, R.44 W.



|                     |       |           |           |              |
|---------------------|-------|-----------|-----------|--------------|
| FED. ROAD DIST. NO. | STATE | PROJ. NO. | SHEET NO. | TOTAL SHEETS |
| 3                   | COLO. | S0001(2)  | 18        |              |

REV. 6-21-49 W.E.M. EXTENDED PROJECT.  
S.W. 1/4 Sec 19, T.1S., R.43W.

N.W. 1/4 Sec 19, T.1S., R.43W.

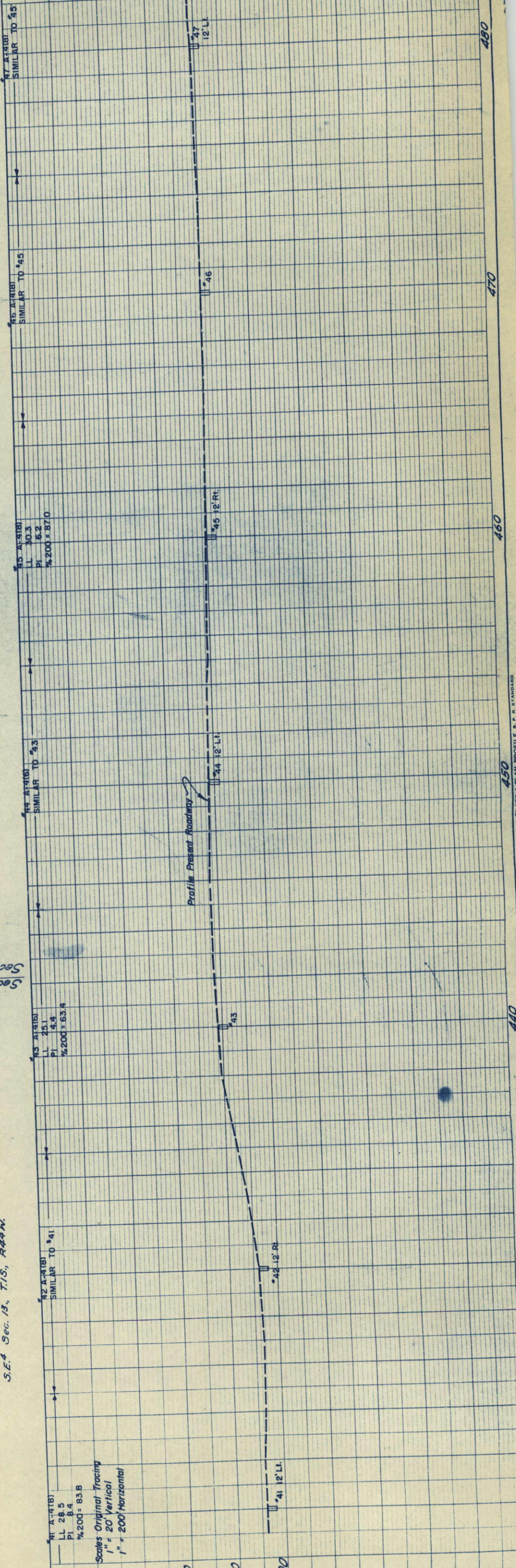
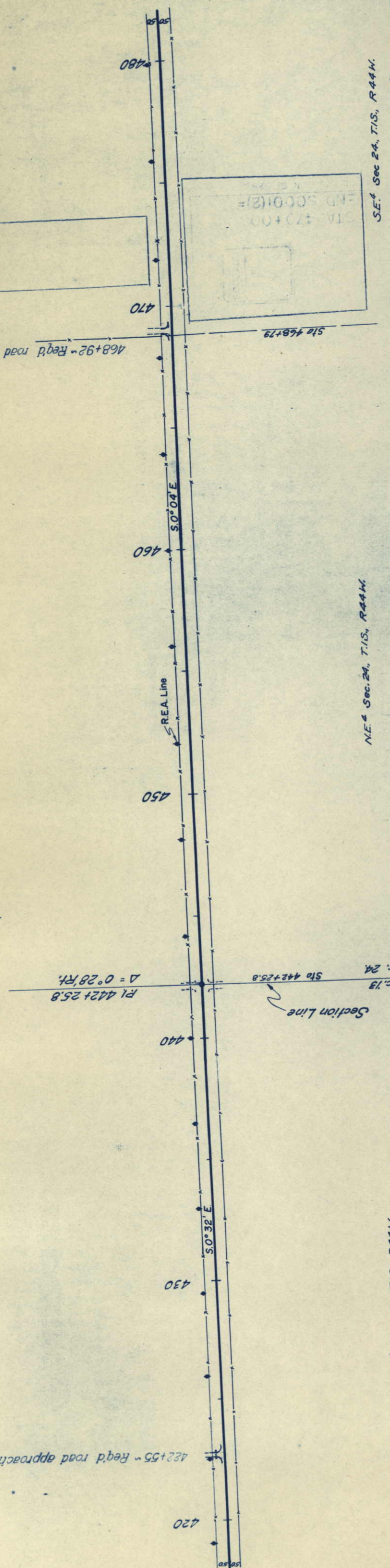
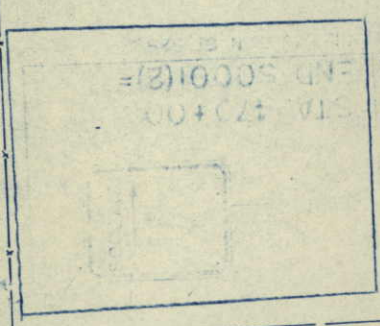
S.W. 1/4 Sec. 18, T.1S., R.43W.

N.E. 1/4 Sec. 24, T.1S., R.44W.

S.E. 1/4 Sec. 13, T.1S., R.44W.

468+92 ~ Req'd road approach Lt.

422+55 ~ Req'd road approach Lt.



Scales Original Tracing  
1" = 20' Vertical  
1" = 200' Horizontal

|                     |       |           |           |              |
|---------------------|-------|-----------|-----------|--------------|
| FED. ROAD DIST. NO. | STATE | PROJ. NO. | SHEET NO. | TOTAL SHEETS |
| 3                   | COLO. | S 0001(2) | 19        |              |

NEW SHEET 6-21-49 W.E.M. EXTENDED PROJECT.  
S.W. 4 Sec. 30, T.15., R.43 W.

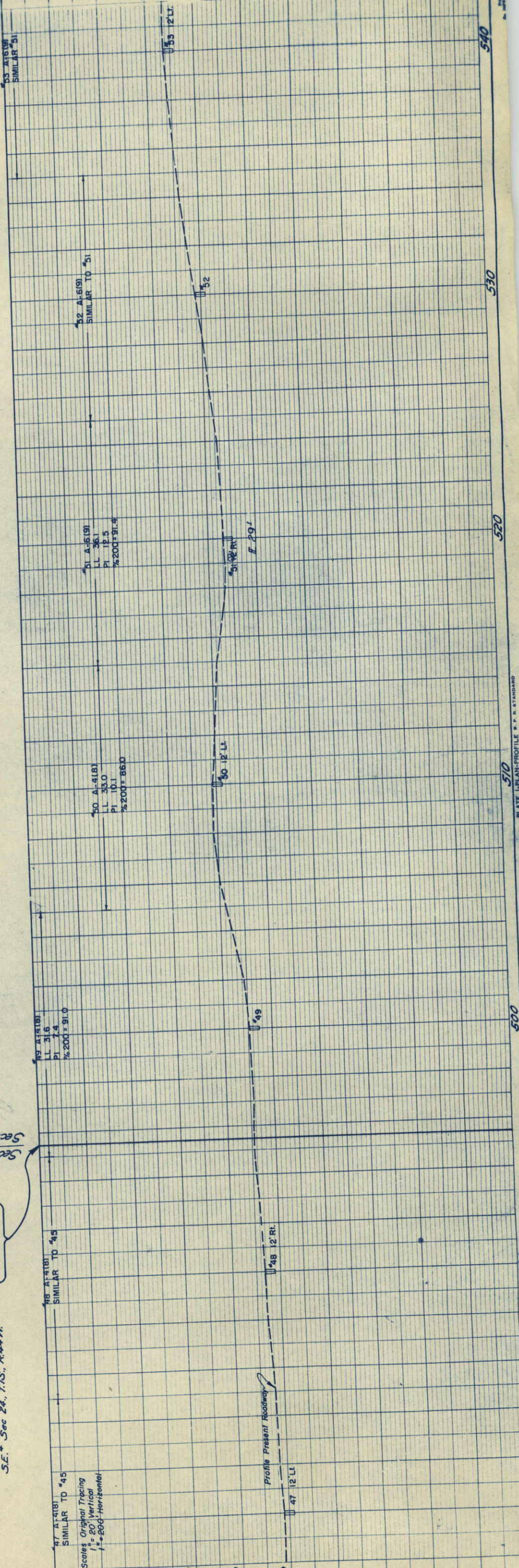
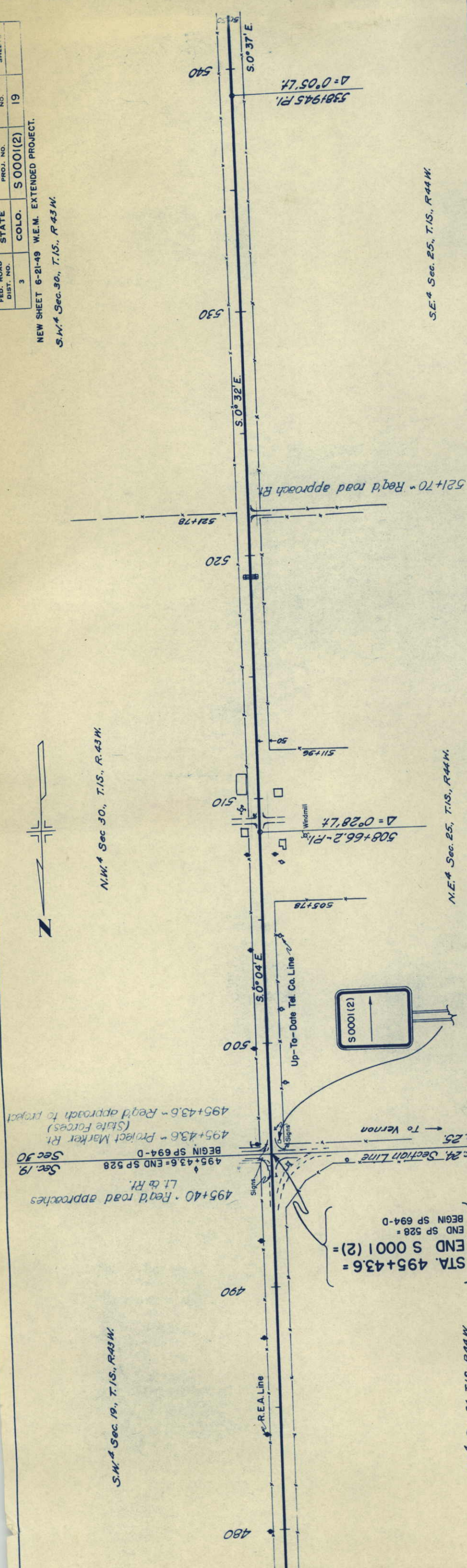


N.W. 4 Sec 30, T.15., R.43 W.

S.W. 4 Sec 19, T.15., R.43 W.

N.E. 4 Sec. 25, T.15., R.44 W.

S.E. 4 Sec 24, T.15., R.44 W.



Scale: Original Tracing  
1" = 20' Vertical  
1" = 200' Horizontal