

FED ROAD DIST NO	STATE	PWA PROJ NO	SHEET NO	TOTAL SHEETS
3	COLO	5002 D	1	4

Const #2

COLORADO STATE HIGHWAY DEPARTMENT PLAN AND PROFILE OF PROPOSED PWA DOCKET-COLO 804-D PROJECT NO. 5002-D STATE HIGHWAY NO. 8 PARK COUNTY

INDEX OF SHEETS

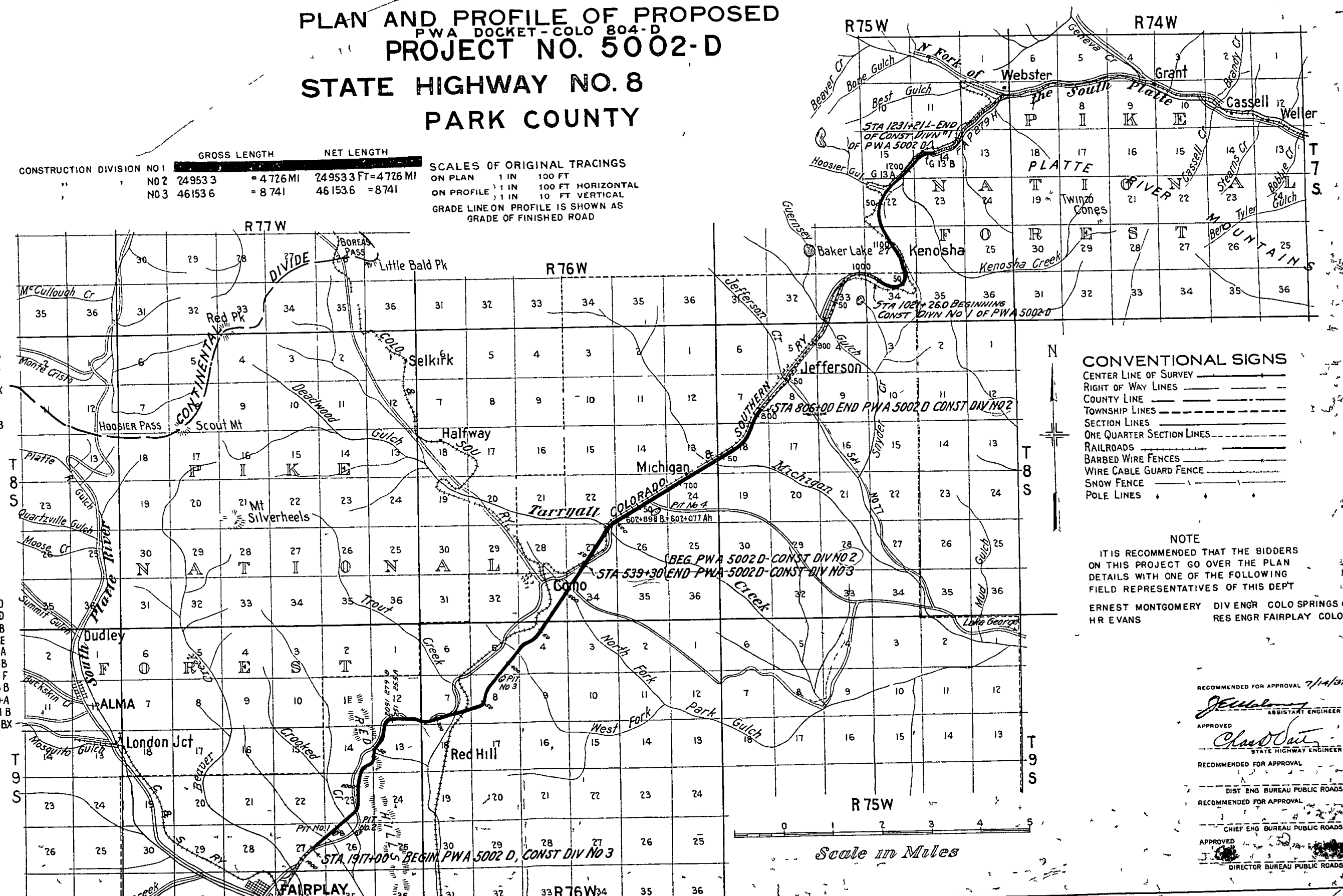
- SHEET NO 1 TITLE SHEET
2 TYPICAL SECTION & SUMMARY
3 LIST OF STRUCTURES
4 CONCRETE BOX CULVERTS M 103 D
5 DBI CONC BOX CULVERT M 110 B
6 STD HEADWALLS FOR C.M.P. CULV M 102 E
7 WIRE CABLE GUARD FENCE M 20 B
8 STRUCTURE NUMBER LETTERING M 10 A
9 METHODS SUPERELEV & WIDENING M 1 B
10 TYPICAL SIDE APPRCH ROADS & SIGNS M 2 BX
11 PLAN & PROFILE SHEETS
12 TO 18 CROSS SECTIONS
19 100 CROSS SECTIONS
NO 8 STD WIRE FENCE (ST POSTS) & MKRS M 27 A

CONSTRUCTION DIVISION NO	GROSS LENGTH	NET LENGTH
NO 1		
NO 2	24953.3	= 4726 MI 24953.3 FT = 4726 MI
NO 3	46153.6	= 8741 46153.6 = 8741

SCALES OF ORIGINAL TRACINGS
ON PLAN 1 IN 100 FT
ON PROFILE 1 IN 100 FT HORIZONTAL
1 IN 10 FT VERTICAL
GRADE LINE ON PROFILE IS SHOWN AS
GRADE OF FINISHED ROAD

- SHEET NO 1 TITLE SHEET
2 TYPICAL SECTION & SUMMARY
3 LIST OF STRUCTURES
4 DETAILS OF TRES/BIDGE STA 588+
5 726+
6 CONCRETE BOX CULVERTS M 103 D
7 STD HOWLS FOR C.M.P. CULVERTS M 102 E
8 A TIMBER GUARD POSTS M 19 A
9 STD WIRE FENCE (ST POSTS) & MKRS M 27 A
10 STRUCTURE NUMBER LETTERING M 10 A
11 METHODS SUPERELEV & WIDENING M 1 B
12 TYPICAL SIDE APPRCH ROADS SIGNS M 2 BX
13 21 PLAN & PROFILE SHEETS
22 63 CROSS SECTIONS
8 B-STD WIRE CABLE GUARD FENCE M 20 B

- SHEET NO 1 TITLE SHEET
2 TYPICAL SECTION & SUMMARY
3 LIST OF STRUCTURES
4 DETAILS FOR BRIDGE STA 1961+
5 SPEC C.B.C. STA 391+
6 STD CONC BOX CULV M 103 D
7 M 104 D
8 M 110-B
9 DBI
10 HDWLS FOR C.M.P. CULVTS M 102 E
11 TIMBER GUARD POSTS M 19 A
12 WIRE CABLE GUARD FENCE M 20-B
13 PICKET SNOW FENCE MET POSTS M 25 B
14 STRUCTURE NUMBER LETTERING M 10-A
15 SUPERELEV & WIDENING METHODS M 1 B
16 TYPICAL SIDE APPRCH ROADS SIGNS M 2 BX
17 33 PLAN & PROFILE SHEETS
34 161 CROSS SECTIONS



CONVENTIONAL SIGNS

- CENTER LINE OF SURVEY
RIGHT OF WAY LINES
COUNTY LINE
TOWNSHIP LINES
SECTION LINES
ONE QUARTER SECTION LINES
RAILROADS
BARBED WIRE FENCES
WIRE CABLE GUARD FENCE
SNOW FENCE
POLE LINES

NOTE

IT IS RECOMMENDED THAT THE BIDDERS ON THIS PROJECT GO OVER THE PLAN DETAILS WITH ONE OF THE FOLLOWING FIELD REPRESENTATIVES OF THIS DEPT

ERNEST MONTGOMERY DIV ENGR COLO SPRINGS COLO
HR EVANS RES ENGR FAIRPLAY COLO

RECOMMENDED FOR APPROVAL 7/14/37

James H. Evans
ASSISTANT ENGINEER

APPROVED
Charles H. Evans
STATE HIGHWAY ENGINEER

RECOMMENDED FOR APPROVAL

DIST ENG BUREAU PUBLIC ROADS

RECOMMENDED FOR APPROVAL

CHIEF ENG BUREAU PUBLIC ROADS

APPROVED

DIRECTOR BUREAU PUBLIC ROADS

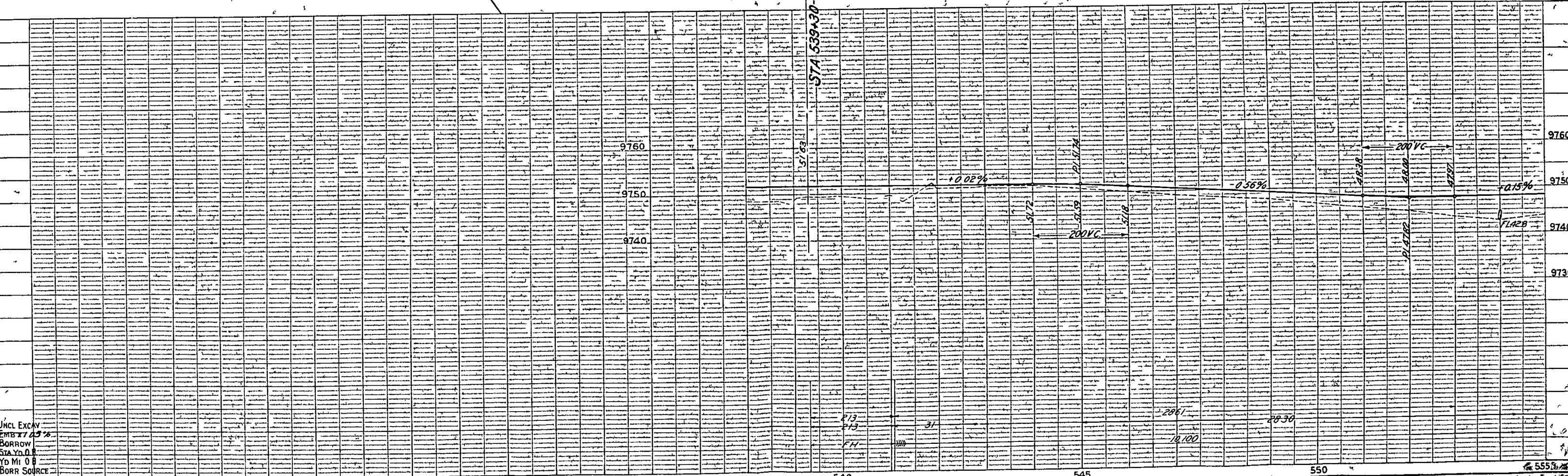
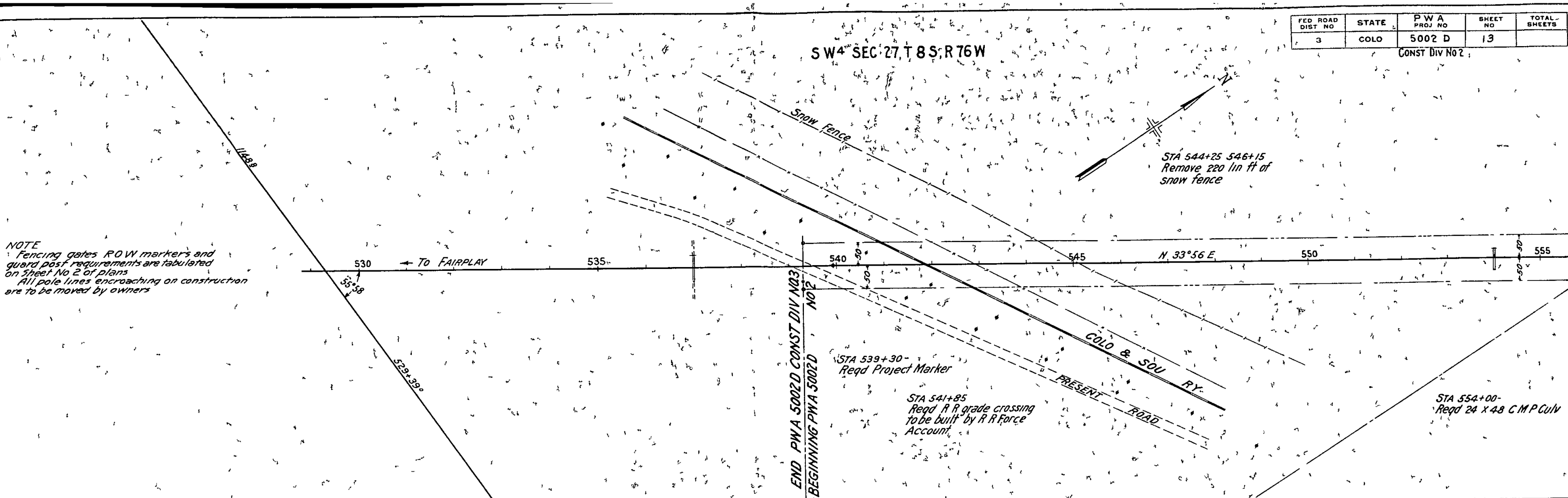
Scale in Miles

FED ROAD DIST NO	STATE	PWA PROJ NO	SHEET NO	TOTAL SHEETS
3	COLO	5002 D	13	

CONST Div No 2

SW 4 SEC 27, T 8 S, R 76 W

NOTE
Fencing gates ROW markers and guard post requirements are tabulated on Sheet No 2 of plans
All pole lines encroaching on construction are to be moved by owners

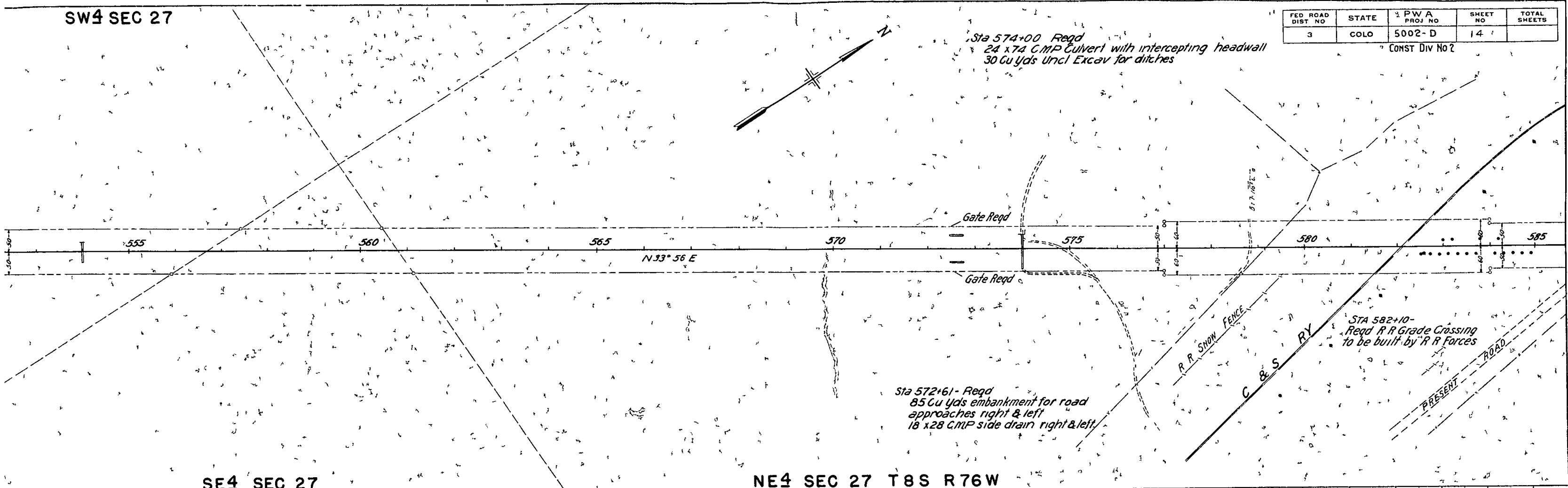


UNCL EXCAV
EMB 17.05%
BORROW
STA YD 0.8
YD MI 0.8
BORR SOURCE

SW4 SEC 27

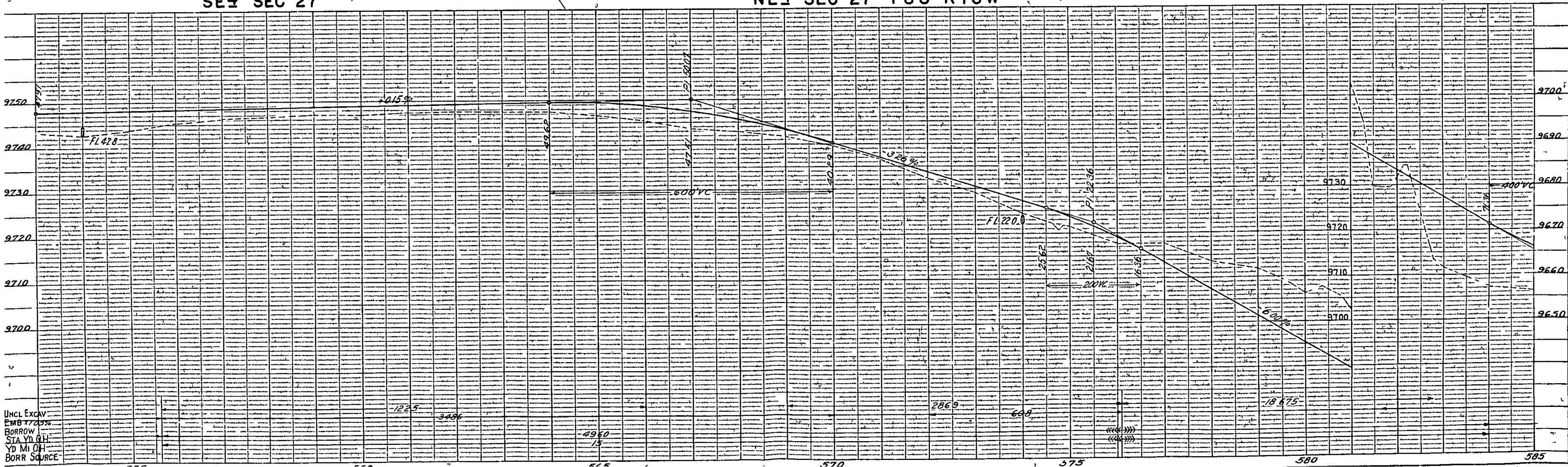
FED ROAD DIST NO	STATE	P.W.A. PROJ NO	SHEET NO	TOTAL SHEETS
3	COLO	5002-D	14	

CONST Div No 2



SE4 SEC 27

NE4 SEC 27 T8S R76W



UNCL EXCAV
EMB 17.25%
BORROW
STA YD OH
YD MI OH
BORR SOURCE

NE 4 SEC 27
T8S R76W

STA 591+10
Remove Wood Box Culv

SE 4 SEC 22
T8S R76W

SW 4 SEC 23
T8S R76W

FED ROAD DIST NO	STATE	PWA PROJ NO	SHEET NO	TOTAL SHEETS
3	COLO	5002-D	15	

CONST DIV No 2

NOTE - The material obtained from channel change is to be used to construct detour road and to fill old channel. Also reqd for detour, 3 48 x 56 C.M.P. Culv's. No headwalls C.M.P.s to be removed after detour is abandoned.

STA 587+73.5 588+20.5
Reqd 47 lin ft Wire Cable Gd Fen R&L

STA 589+39.7 589+86.7
Reqd 47 lin ft Wire Cable Gd Fen R&L

STA 588+23.0 - 589+37.23
Reqd 5 Sp @ 22' 6" Trid pile; tres Bridge as per details on Sheet No 4.
Remove present structure. Also reqd 4400 cu yd uncl excav for Chan change.

STA 592+55
Reqd 200 cu yds embank for Rd apprches R & L

STA 619+50
Reqd 150 cu yds embank for rd apprch L

COLO & SOUTHERN RY

12 x 18 W.B.C.

PI 632+30
Δ 0°03' R

DETOUR

STATE HIST SOCIETY MONUMENT

CHANNEL CHANGE

TARRYALL

Gate Req'd
STA 591+40
Reqd 24 x 58 C.M.P. Culv & 40 cu yds uncl excav for inlet & outlet

Gate Req'd
STA 599+10
Reqd 140 cu yds embank for Rd apprch Rt & Lt

STA 600+50
Reqd 36 x 60 C.M.P. Cross Culv & 30 cu yds uncl excav for ditch change

STA 596+05
Reqd 24 x 66 C.M.P. Culv & 20 cu yd uncl excav for outlet ditch

STA 601+60
Remove 24 x 44 C.M.P.

STA 624+45
Remove 15 x 26 C.M.P.

STA 629+00
Reqd 24 x 46 C.M.P. Cross Culv

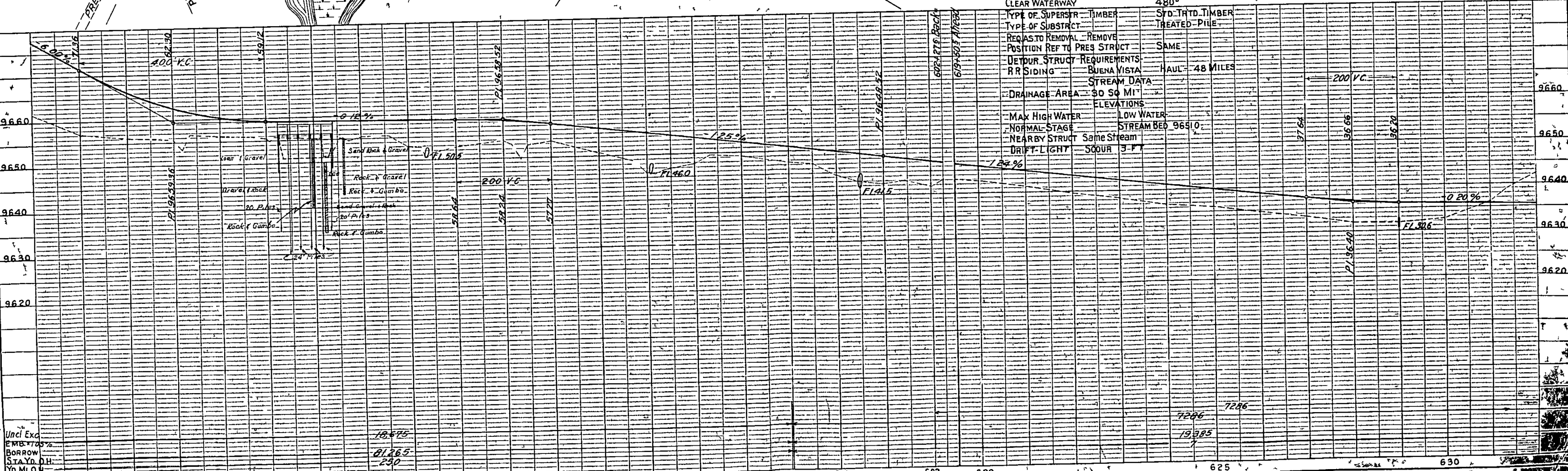
STA 629+50
Remove 15 x 26 C.M.P.

STA 620+00
Reqd 70 cu yds embank for Rd apprch on Rt

BRIDGE DATA

PRESENT STRUCTURE		NEW STRUCTURE	
STREAM	TARRYALL CREEK	STRUCT No	G 13 C
SKEW ANGLE	80°	STA 588+23.0	589+37.23
SPAN	1 @ 14.0	5 @ 22.6	
CLEAR ROADWAY	29.0	30.0	
CLEAR WATERWAY		48.0	
TYPE OF SUPERSTR.	TIMBER	SPD. TRTD. TIMBER	
TYPE OF SUBSTRUCT.		TREATED PILE	
REQUEST TO REMOVAL	REMOVE	SAME	
POSITION REF TO PRES STRUCT.			
DETOUR STRUCT. REQUIREMENTS			
R.R. SIDING	BUENA VISTA	HAUL - 48 MILES	
DRAINAGE AREA	30 SQ MI		
MAX HIGH WATER		LOW WATER	
NORMAL STAGE		STREAM BED	9651.0
NEARBY STRUCT.	Same Stream		
DRIFT LIGHT	SCOUR 3 FT		

EQUATION



SW 4 SEC 23
T8S R76W

SE 4 SEC 23
T8S R76W

NE 4 SEC 23
T8S R76W

FED ROAD DIST NO	STATE	PWA PROJ NO	SHEET NO	TOTAL SHEETS
3	COLO	5002 D	16	

CONST DIV No 2

COLORADO & SOUTHERN RY

12 X 24 WBC

12 X 48 WBC

FARM ROAD

STA 656+40-
Reqd 55 cu yds embank for Rd apprch, LT

STA 656+00
Reqd Dbl 30x62 C.M.P. culvert &
125 cu yds uncl excav for ditch
change, 60° skew

Sta 656+30-
Remove wood box culv

STA 655+50
Reqd 18' x 26' C.M.P. side drain RT
& 45 cu yds embank for Rd apprch RT

STA 640+20
Reqd 18' x 26' side drain &
35 cu yds embank for
Rd apprch R

630 50 N 57° 39' E 635 640 645 650 655 660 50

PRESENT ROAD

Gate Req'd

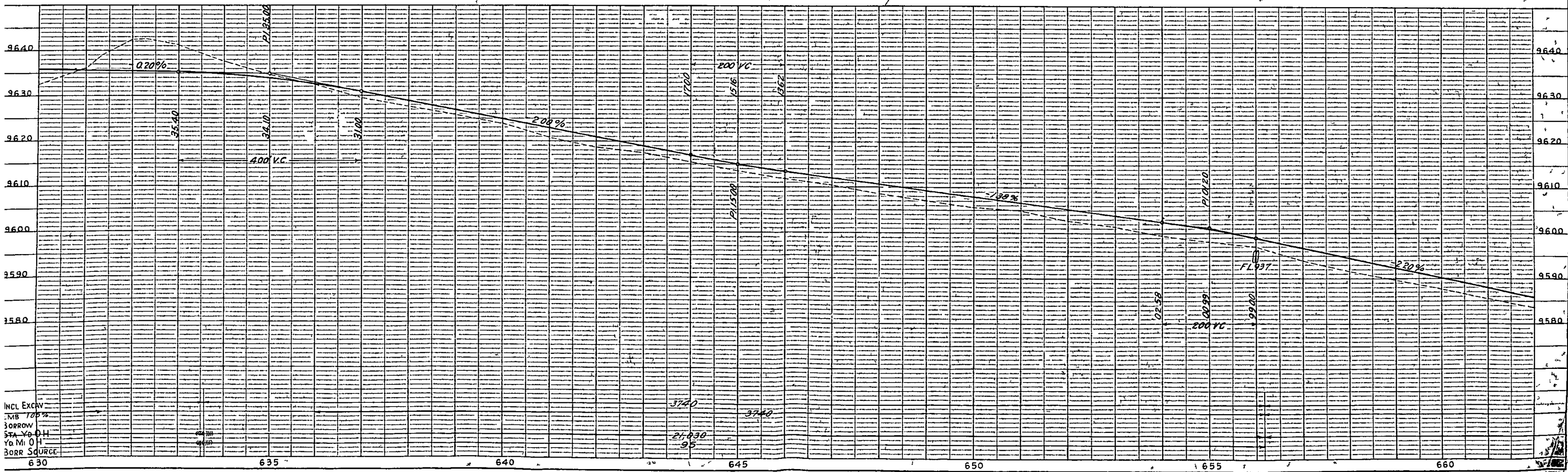
Gate Req'd

Gate Req'd

17' 0" Ditch

N 57° 42' E

632+30 PI
Δ 0° 03' R



INCL EXCAV
MB 100%
BORROW
STA Yd 0.11
Yd Mi 0.11
BORR SOURCE

NE 4 SEC 23
T8 S R76 W

FED ROAD DIST NO	STATE	PWA PROJ NO	SHEET NO	TOTAL SHEETS
3	COLO	5002 D	17	

NW 4 SEC 24
T8 S R76 W
CONST DIV No 2

STA 677+90
Reqd 24 x130 C.M.P. culv on 60° skew &
40 cu yds uncl excav for ditches
Also reqd 15 x12 C.M.P. side dr under pipe L

STA 688+80
Reqd 90 cu yds embank for
Rd apprch & 18"x28 C.M.P.
side drain on Lt

C & S R R

18x24 WBC 18x24 WBC

Double 18x24 WBC

STA 673+00-
Reqd 18x26 C.M.P. side dr
& 75 cu yds embank for
Rd apprch on Rt

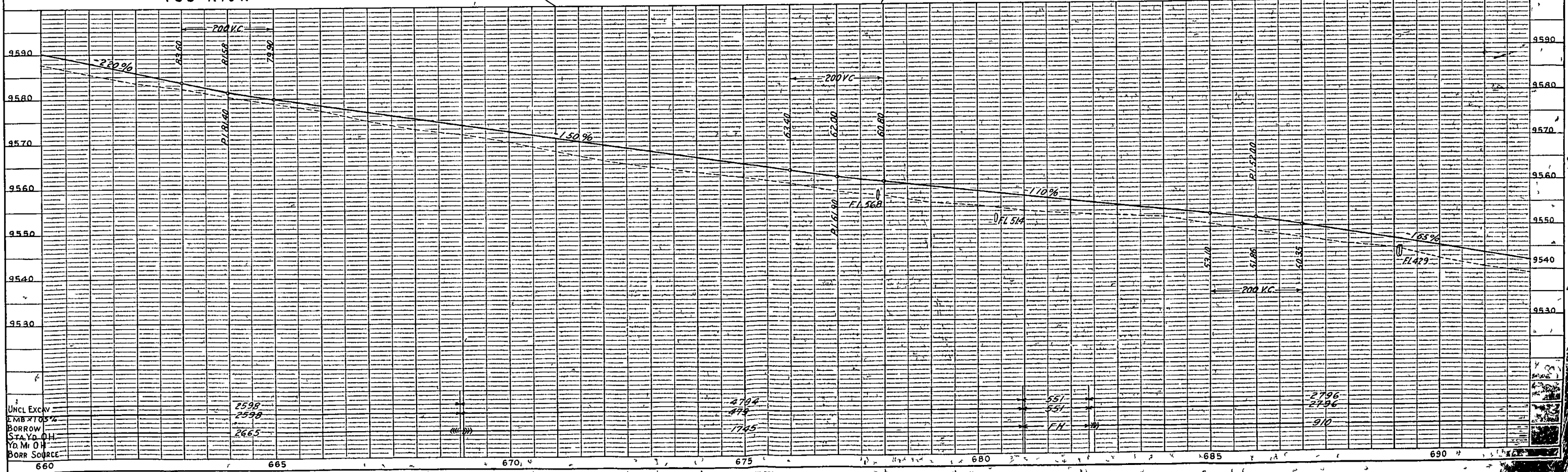
STA 679+40
Reqd-
140 cu yds embank for Rd apprch
on Rt
STA 677+40
Remove wood box

STA 680+40
Reqd 24x74 C.M.P. Culv &
85 cu yds uncl excav for
outlet & inlet ditches
STA 680+50-
Remove wood box

STA 688+00
Reqd 15 cu yds uncl excav
for ditch to drain borrow pit R
STA 686+20-
Reqd 65 cu yds embank for
Rd apprch & 18"x28 C.M.P.
side drain on Rt

STA 689+10
Reqd 18x30x100 C.M.P. Culv &
40 cu yds uncl excav for ditches
Also 15x16 C.M.P. side dr Lt
under culv
STA 690+15
Remove wood box

SE 4 SEC 23
T8 S R76 W

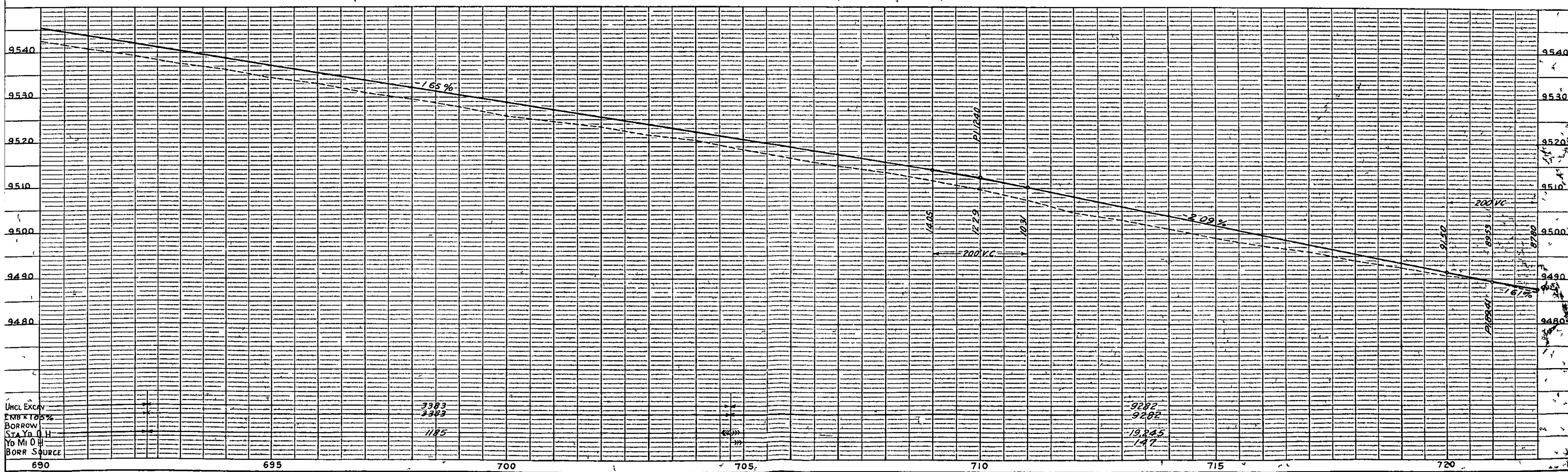
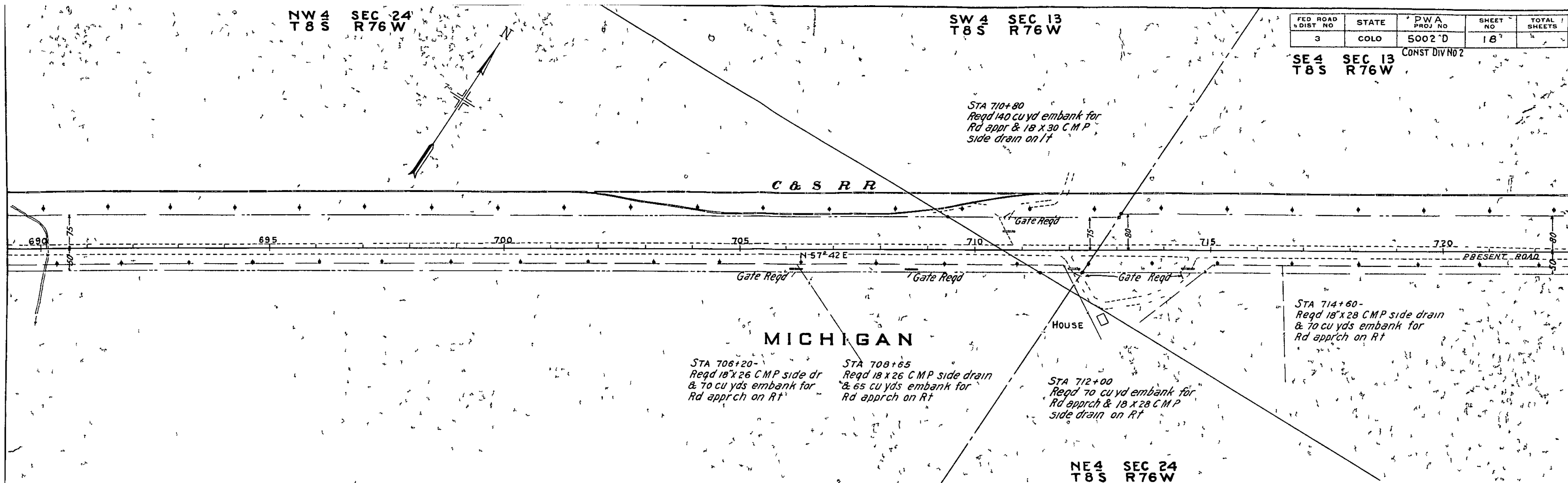


NW 4
T 8 S
SEC 24
R 76 W

SW 4
T 8 S
SEC 13
R 76 W

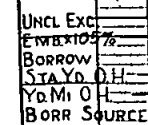
FED ROAD DIST NO	STATE	DWA PROJ NO	SHEET NO	TOTAL SHEETS
3	COLO	5002 D	18	

SE 4
T 8 S
SEC 13
R 76 W
CONST DIV NO 2



15x3 WBC

~~T8S~~ ~~R76W~~
~~T8S~~ ~~R75W~~



SW 4 SEC 18
T8S R75W

NW 4 SEC 18
T8S R75W

FED ROAD DIST NO	STATE	PWA PROJ NO	SHEET NO	TOTAL SHEETS
3	COLO	5002 D	20	

CONST DIV No. 2

NE 4 SEC 18
T8S R75W

STA 753+10
Reqd 6x4x34 C.B.C.
Remove present Bridge
Also reqd 30 cu yds uncl excav
for channel improvement

STA 756+30
Reqd 260 cu yds embank
for Rd apprch Lt and
18 x 44 C.M.P. side drain

$\Delta 28^{\circ}02' L$
D 3'
T 476.8
L 934.4
R 1910.0

EDUA

PT 772+15.4 AHEAD
772+81.6 BACK

1 Span 16 Long

PRESENT ROAD

EQUATION

STA 757+40
Remove C.M.P. culv

STA 757+16
Reqd 30 x 122 C.M.P. Cross Culv
15 x 14 C.M.P. side drain on Lt &
10 cu yds Uncl Excav for outlet
& inlet

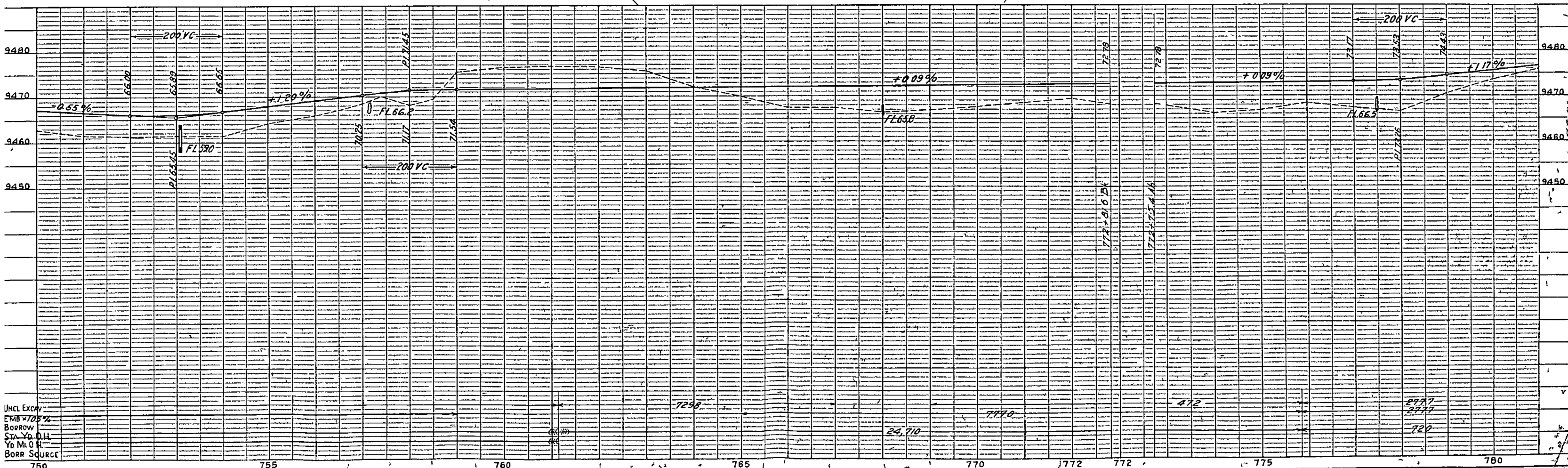
STA 763+65
Reqd 35 cu yd embank
for Rd apprch R

STA 767+45
Remove wood box

STA 768+00
Reqd 24 x 54 C.M.P. Culv

STA 777+50
Reqd 36" x 50 C.M.P. Culv &
10 cu yds uncl excav for inlet

STA 777+750
Remove wood box

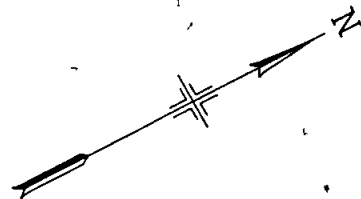


NE 4 SEC 18
T8S R75W

SE 4 SEC 7
T8S R75W

FED ROAD DIST NO	STATE	PWA PROJ NO	SHEET NO	TOTAL SHEETS
3	COLO	5002 D	21	

CONST DIV NO 2



STA 797+85
Reqd 60 cu yd embank for
Rd apprch left and 18 x 28
CMP side drain

C & S R R

Span 16 Long

PRESENT ROAD

Gate Regd

N 29 40 E

Gate Regd

STA 789+50
Reqd 24' x 68 CMP Culv

STA 801+50-
Reqd 48' x 64 CMP Culv &
10 cu yd excav for inlet
Remove wood box

STA 803+65-
Reqd 270 cu yds embank
for Rd apprch Rt

Δ 11°47' R
D 1°00'
T 5913
L 11783
R 5730

STA 806+00-END PWA 5002 D-CONST DIV NO 2

POT 806+254

PC 808+692

