FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	165	1	1

Revised June 3, 22, 4
" Jan. 25, 28 & 29
Revised for "AS-IS" Sept. OCT. 7 & 21.
" " Mch. 18, 1930 R.O.W.
" " Apr. 16, 1930 H.E.C.

COLORADO
STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED
FEDERAL AID PROJECT NO. 165
STATE HIGHWAY NO. 6

FREMONT COUNTY

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CROSS SECTIONS	SHEETS 17 TO 40 INCL.
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GUARD FENCE	SHEET No. 7B
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SCALES

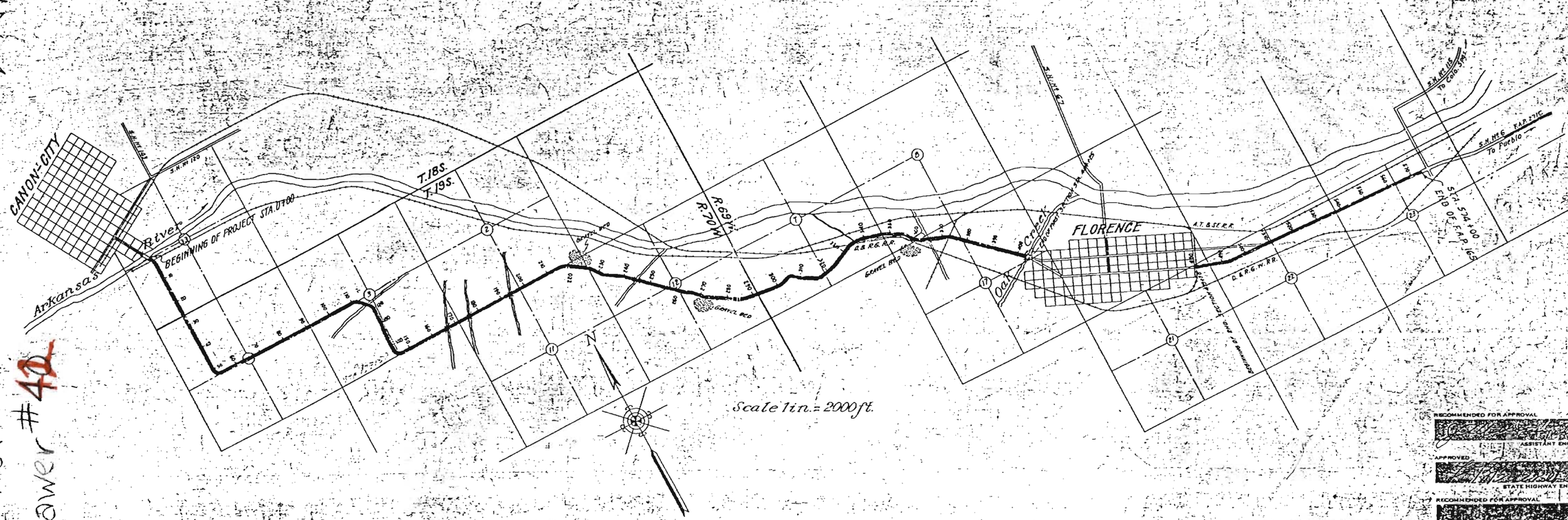
ON PLAN, 1 IN. - 100 FT.
ON PROFILE 1 IN. - 100 FT. HORIZONTAL
1 IN. - 10 FT. VERTICAL

GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD
GROSS LENGTH OF PROJECT 56,881.4 = 10.773 MILES
NET LENGTH OF PROJECT 49,238.4 = 9.325 MILES

RE-OPENED DIVISION No. 1
GROSS LENGTH OF DIVISION 56,881.4 FT. = 10.773 MILES
NET LENGTH OF DIVISION 49,238.4 FT. = 9.325 MILES

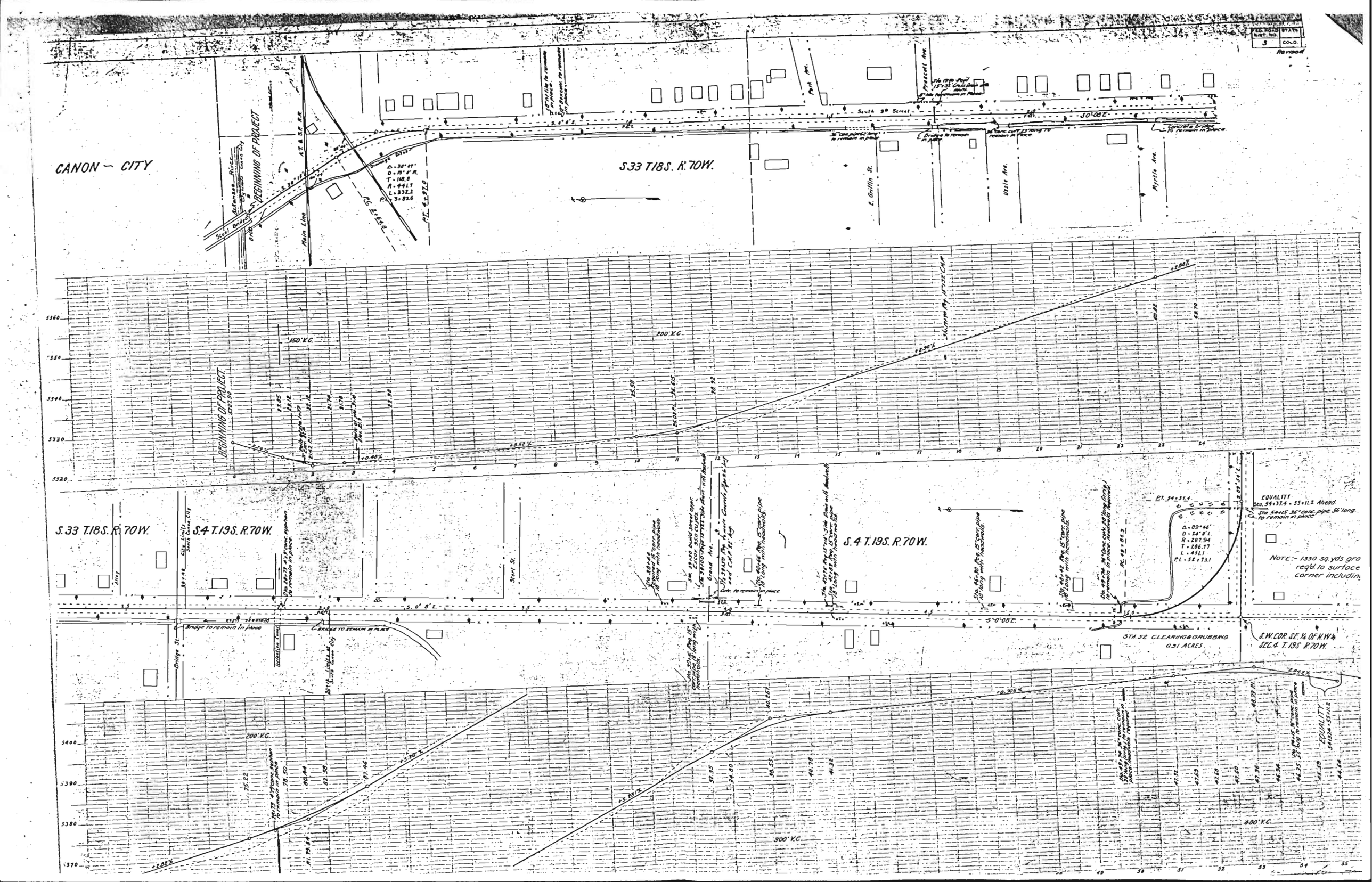
SYMBOLS

CENTER LINE ROAD
RAILROAD
TEL. LINE
POWER LINE
FENCE
SECTION



RECOMMENDED FOR APPROVAL
ASSISTANT ENGINEER
APPROVED
STATE HIGHWAY ENGINEER
RECOMMENDED FOR APPROVAL
DIST. ENG. BUREAU PUBLIC ROADS
RECOMMENDED FOR APPROVAL
CHIEF ENG. BUREAU PUBLIC ROADS
APPROVED
DIRECTOR BUREAU PUBLIC ROADS

* COPIES FROM REPRODUCTION
Title Sheet, Plan & Profile Only
FAP 165
Return to
Drawer #42


FED. ROAD DIST. NO. 3
STATE COLO.
Revised
CANON - CITY
S.33 T.18S. R.70W.
BEGINNING OF PROJECT
Arkansas River
Steel Bridge
A.T. & S.F. R.R.
Main Line
South 9th Street
Prescott Ave.
Park Ave.
E. Griffin St.
Utah Ave.
Myrtle Ave.
Bridge St.
Street St.
Grand Ave.
Elk Limits South Canon City
Bridge to remain in place
BRIDGE TO REMAIN IN PLACE
Culvert to remain in place
Concrete Culvert to remain in place
Δ = 38°47'
D = 13°8' R.
T = 148.8
R = 441.7
L = 332.2
P.I. 4+97.0
P.C. 1+97.0
P.T. 4+29.8
S.33 T.18S. R.70W.
S.4 T.19S. R.70W.
S.4 T.19S. R.70W.
150' V.C.
200' V.C.
200' V.C.
300' V.C.
400' V.C.
+0.40%
+0.52%
+2.90%
+0.88%
+5.86%
+5.86%
+0.705%
+2.08%
+2.08%
5360
5350
5340
5330
5320
5400
5390
5380
5370
S.0°8'E.
S.0°8'E.
S.0°8'E.
S.0°08'E.
P.T. 54+37.4
EQUALITY
Sta. 54+37.4 = 55+11.2 Ahead
Sta. 54+15 36" conc. pipe 36' long to remain in place
Δ = 89°46'
D = 24°8' L.
R = 237.94
T = 286.77
L = 451.1
P.C. 48+86.3
P.I. 54+73.1
Note:- 1350 sq. yds gra
reqd to surface
corner includin
STA. 52 CLEARING & GRUBBING
0.31 ACRES
S.W. COR. S.E. ¼ OF N.W. ¼
SEC. 4 T.19S. R.70W.
EQUALITY
54+37.4 = 55+11.2

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	165	9	

Rev. 6-3-22
" 10-7-22 JGR.
" 2-23-23 RMA.
" 3/19-23 JEF.
" 3/27/23 JGX.

S 4 T.19S. R.70W.

P.O.T. 60+00.0

S 89°54' E.

P.O.T. 70+00.0

S 89°54' E.

P.I. 80+00.0
Δ = 8° 2' L.

S 89°56' E.

Lake Side Cemetery

S.4 T.19S. R.70W.

200' V.C.

-2.04%

-0.52%

-0.60%

S.4 T.19S. R.70W.

S.3 T.19S. R.70W.

P.O.T. 90+00.0

P.O.T. 100+00.0

S 89°56' E.

S 89°56' E.

S 90°00' E.

CLEARING & GRUBBING STA. 112 TO 120
1.28 ACRES

Center Section 3
Twp. 19 S. R. 70 W.

S.4 T.19S. R.70W.

S.3 T.19S. R.70W.

P.I. 107+80.0
Δ = 8° 4' L.

Δ = 42° 29'
D = 14° 6' 8"
R = 410.28
T = 158.86
L = 303.13
P.I. = 111+79.3

S 47° 40' E

GARAGE ENTRANCE

-4.50%

-0.87%

-1.80%

-0.18%

-2.10%

500' V.C.

200' V.C.

200' V.C.

200' V.C.

Level

Stream bed El. 5377.7

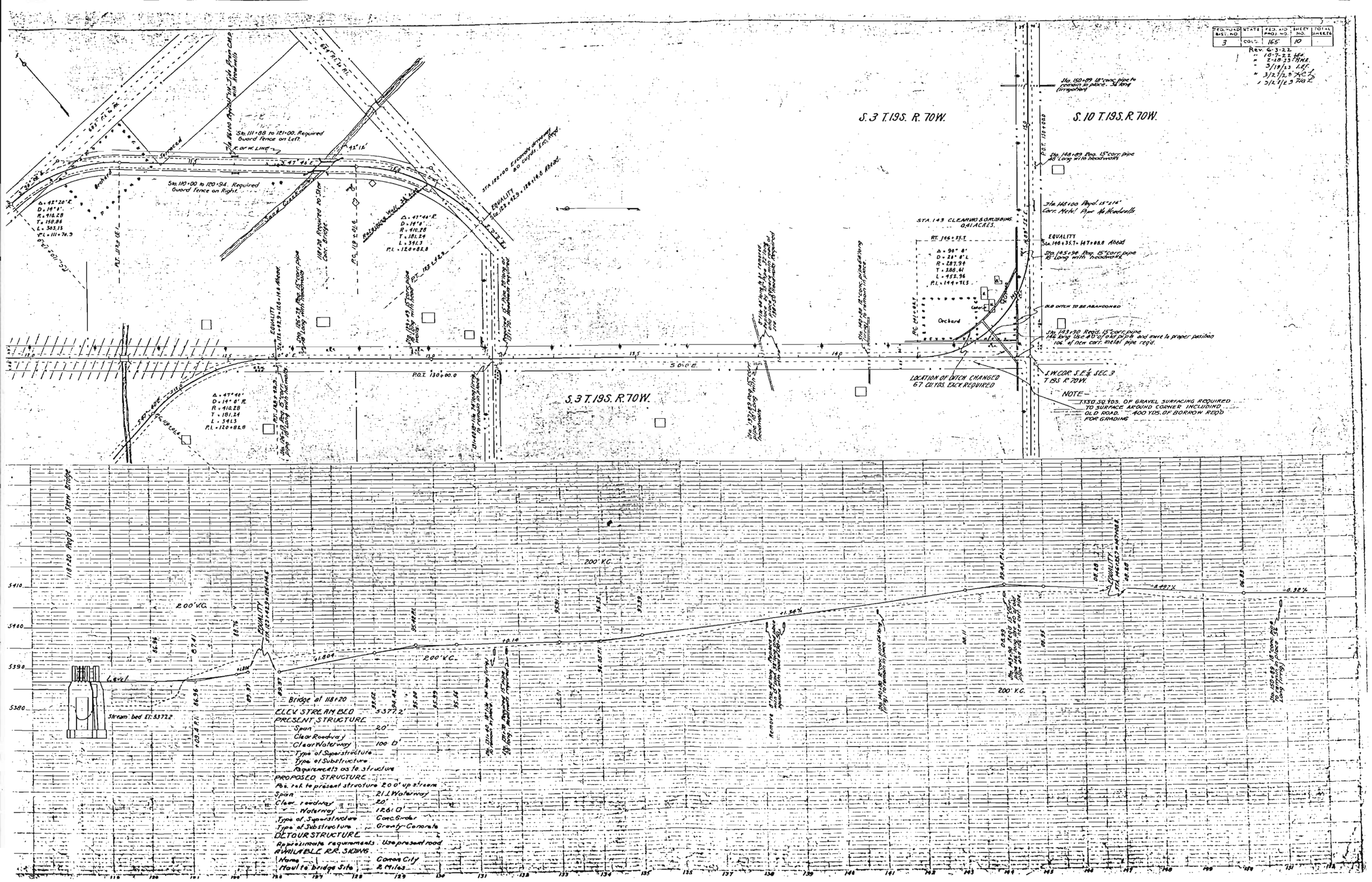
5400

5390

5380

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	165	10	

Rev. 6-3-22
" 10-7-22 LGF
" 2-18-23 RMR
" 3/19/23 LGF
" 3/21/23 RGZ
" 5/21/23 RGZ



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	165	11	1

Rev. 6-3-22
" 3-14-23
" 7-1-23
" 7-25-23
" 5-28-25
" 5-19-25
" 5-10-25

S. 3 T. 19 S. R. 70 W.

S. 2 T. 19 S. R. 70 W.

S. 10 T. 19 S. R. 70 W.

S. 11 T. 19 S. R. 70 W.

P.O.T. 160+00.0

P.O.T. 171+00.0

P.O.T. 181+00.0

N. 89° 57' E.

P.I. 156+00.0
Δ = 0°05' R.

Sta. 163+10 to 168+46. Required Guard fence on Both Sides.

Sta. 170+80
Required 36" corr. pipe 25' long. Headwall req'd.

170+80
1" corr. iron pipe 15' long (inv.) Replace with 15" conc. pipe 46' long. W = 9'-0"

Guard Fence on Both Sides.

CREEK CHANNEL CHANGED
425 CU. YDS. EXCV. NECESSARY. STA. 171+50

PROFILE of CROSS ROAD
STA. 171+00
1912 CU. YDS. EXCV. REQD. FOR SIDE ROAD.

RIGHT

LEFT

-0.32%

-0.21%

-0.75

-0.75%

-0.74%

200' V.C.

400' V.C.

5400

5390

5380

5370

5360

P.O.T. 190+00.0

P.O.T. 201+00.0

Sta. 192+00 to 198+00
Required Guard Fence on Both Sides.

Road material for cross road to come from cut 189+00 to 205+00.

D = 15°00'
Δ = 31°28' R.
T = 107.9
R = 383.1
L = 210.4
P.I. = 219+99.8

-0.74%

-0.96%

-0.46%

-1.62%

400' V.C.

600' V.C.

200' V.C.

500' V.C.

5360

5350

5340

5330

5320

RIGHT

LEFT

PROFILE of CROSS ROAD
STA. 195+25
Material for this road to come from cut 189+00 to 205+00.

DIST. NO.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO. 165	12	

Revised June 3, 22 D.K.W.
" Jan. 25, 23 D.K.W.
" Feb. 22, 23 R.M.R.
" 3/13/23 J.L.F.
" 8-16-23 D.L.W.

Sta. 220+00 to 226+32. Required Guard Fence on Left.

P.O.T. 217+00.0

S. 38° 35' E.

Sta. 219+00 to 225+40 Required Guard Fence on Right.

222+48 Repaired Channel change. Exc. Com. 285 Cu. Yds. Rock 25.

D = 28° 00'
Δ = 28° 21' R.
T = 73.2
R = 201.9
L = 143.3
P.I. = 224+57.6

D = 4° 00'
Δ = 4° 46' L.
T = 53.6
R = 1432.7
L = 119.2
P.I. = 226+15.8

S. 34° 54' E.

S. 34° 59' E.

S.12 T.19S. R.70W.

S.11 T.19S. R.70W.

D = 12° 00'
Δ = 23° 50' L.
T = 100.9
R = 478.3
L = 199.0
P.I. = 230+56.0

Sta. 230+04 to 233+00. Required Guard Fence on Left.

S. 38° 40' E.

Sta. 230+49 15" conc. iron pipe 49' long to remain in place. Wood mats required.

D = 3° 00'
Δ = 9° 41' R.
T = 161.6
R = 1910.1
L = 322.8
P.I. = 237+35.9

Sta. 242+50 to 244+00 Required Guard Fence on Both Sides.

S. 40° 59' E.

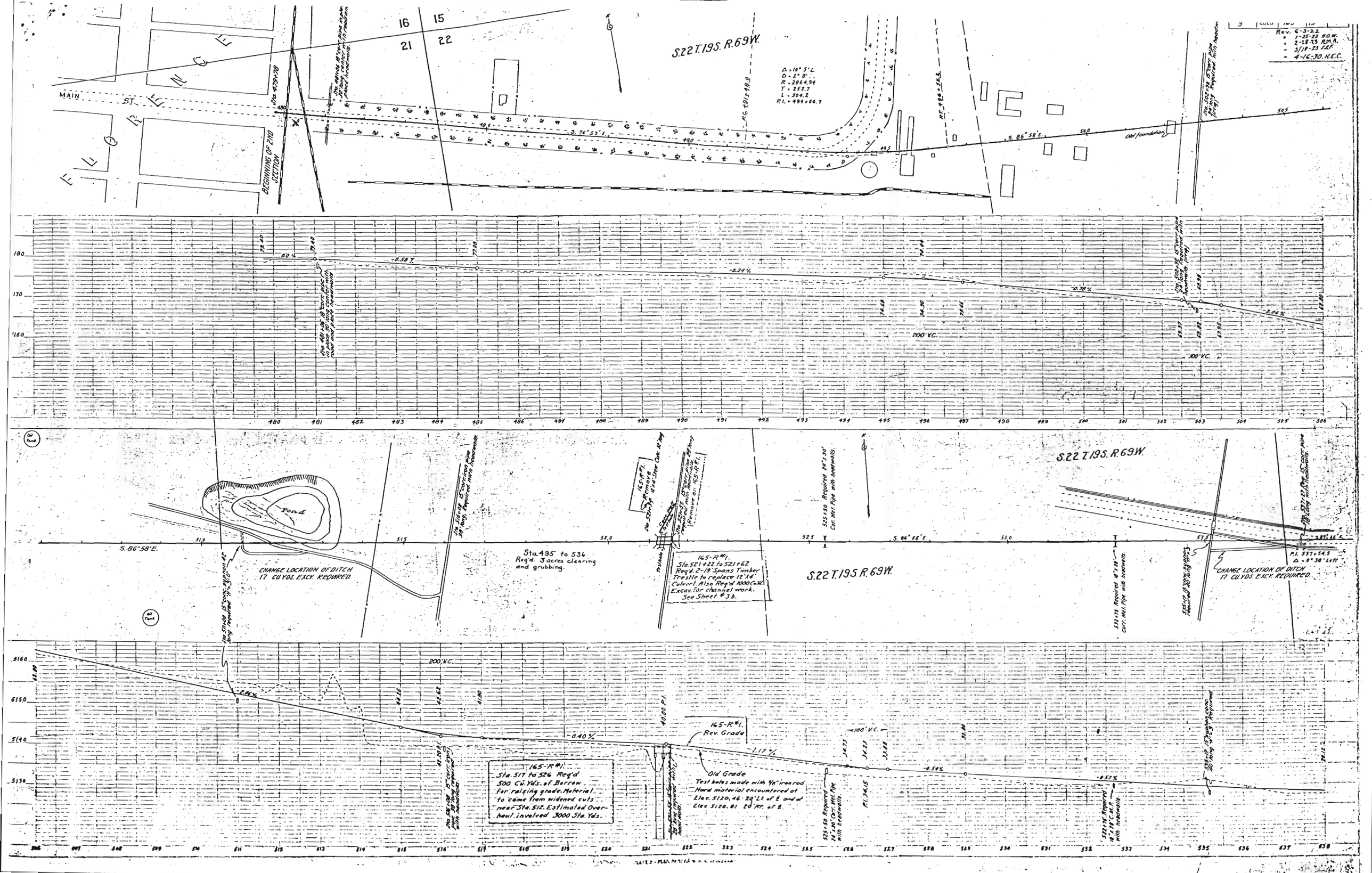
260 cu yds Exc. req'd. for secondary drainage

SURF ROCK & BOULDERS EXCAV
STA. 245 TO 280 130 CU.YDS

Sta. 248+16 wooden bridge 12' long, 6.0' high, 2-3" x 12" stringers, 3-3" x 12" floor, with 6" x 6" posts, 2-3" x 12" sill, 2-3" x 12" cap, 2-3" x 12" stringers, 2-3" x 12" floor

S.12 T.19S. R.70W.
T.19S. R.70W.
T.19S. R.69W.
S.7 T.19S. R.69W.
Revised June 3/22
1-25-23 HAM
2-28-23 AMA
3/19-23 JEF
8/22-23 HBC
8-16-23 GLW
Sta. 280+00 to 284+00 Required Guard Fence on Left.
Sta. 282+25 to 283+45 Required Guard Fence on Right.
P.O.T. 291+000
Sta. 294+00 to 310+60 Required Guard Fence on Left
307+50 Required Dry Rubble Wall on left 2' thick, 4' high and 110' long avg. measmts. 93 cu. yds.
Sta. 335+00 to 339+00, Required Guard Fence on Left, Sta. 337+00 to 339+00 Required Guard Fence on Right
Guard fence extend 50 ft each way from Bridge
336+50 Concrete Bridge 12' Span, 20' Roadway. Good condition, to remain in place & be extended 6' on right. See Sheet 7A.
Irrigation
Canal
Concrete Spillway
Road
200' V.C.
500' V.C.
600' V.C.
100' V.C.
-0.88%
-0.78%
-0.2%
-0.62%
-0.14%
-0.10%
-0.30%
44-37

S.7 T.19S. R.69W.
S.8 T.19S. R.69W.
S.17 T.19S. R.70W.
S.17 T.19S. R.69W.
D. & R.G. R.R.
Concrete Arch Bridge Good Condition 20' Span To remain in place.
50' Standard I-beam Bridge State Project No. 534 To remain in place. Protection work at wing walls to be done by State forces.
Chandler Creek
Sta. 370+30 to 377+50 Required Guard Fence on Both Sides.
Public Road
END OF FIRST SECTION
200' V.C.
100' V.C.
300' V.C.


S.22 T.19S. R.69W.
MAIN ST.
BEGINNING OF 2ND SECTION
Rev. 6-3-22
1-25-23 H.O.W.
2-28-23 R.M.R.
3/18-23 I.R.R.
4-16-30. H.E.C.
Old foundation
Pond
S. 86°58'E.
CHANGE LOCATION OF DITCH 17 CU.YDS. EXCV. REQUIRED.
Sta. 495 to 536 Req'd. 3 acres clearing and grubbing.
165-R#1. Sta. 521+22 to 521+62 Req'd. 2-19' Spans Timber Trestle to replace 12'x4' Culvert. Also Req'd 1000 Cu.Yd. Excav. for channel work. See Sheet #3b.
165-R#1. Sta. 517 to 526 Req'd 500 Cu.Yds. of Borrow for raising grade. Material to come from widened cuts near Sta. 512. Estimated Overhaul involved 3000 Sta. Yds.
165-R#1. Rev. Grade
Old Grade
Test holes made with 5/8" iron rod. Hard material encountered at Elev. 5120.46 - 20' Lt. of ℄ and at Elev. 5120.81 20' Rt. of ℄.
200' V.C.
100' V.C.
P.I. 537+54.5
Δ = 8°38' Left

SHEET NO.	COUNTY	PROJ. NO.	NO.	SHEETS
3	COLO.	165	16	

Revised June 3/22
" Jan. 25, 23. K.A.W.
" 3/14/23 L.F.
" 9-6-23 G.E.W.
" 4-16-30. H.E.C.

S.23 T.19S. R.69W.

Public Road

Lane

8-12' span wooden Bridge to remain in place.

Wooden Bridge 11'x14' span to remain in place.

165-R#1. Rem. 15" C.M.P. 4' long. Headwalls

Sta. 552+12 15" Conc. pipe 20' long with Headwalls (Repaired)

Sta. 552+68 Rep. 15" conc. pipe 18' long with Headwalls

Sta. 553+10 15" conc. pipe 18' long with Headwalls.

Sta. 554+13 Rep. 15" conc. pipe 22' long with Headwalls

Sta. 556+18 Rep. 15" conc. pipe 18' long with Headwalls.

S 87°36' E

Sta. 557+00 Rep. 15" conc. pipe 18' long with Headwalls

Sta. 557+05 Rep. 15" conc. pipe 18' long with Headwalls

Sta. 559+14 Rep. 15" conc. pipe 18' long with Headwalls

Sta. 564+18 Rep. 15" conc. pipe 18' long with Headwalls

Required 15" x 18' C.M.P. with Headwalls

Sta. 569+10 Rep. 15" conc. pipe 18' long with Headwalls

Sta. 569+70 Rep. 15" conc. pipe 18' long with Headwalls

Sta. 572+00 Rep. 15" conc. pipe 18' long with Headwalls

Sta. 572+70 Required 30"x18' Conc. Metal Pipe with Headwalls.

Sta. 552+00 Rep. 24"x34½" C.M.P. with Headwalls

165-R#1. Sta. 552+12 to 552+52 Req'd 2-19' Spans Timber Trestle to replace 24"x34½" C.M.P. with headwalls. See Sheet #3c.

200' V.C.

100' V.C.

200' V.C.

-0.02%

0.0%

+0.5%

-0.92%

-0.42%

165-R#1. Rev. Grade

Old Grade

165-R#1. Sta. 543 to 563 Req'd. 3500 Cu. Yds. Base Course (3" Max.) Surfacing for raising grade.

Encountered hard material at Elev. 5110.45

Sta. 552+00 Rep. 24"x34½" C.M.P. with Headwalls

Sta. 560+00 Rep. 15" C.M.P. 18' long with Headwalls

Sta. 561+64 Rep. 15" conc. pipe 52' long with Headwalls

Sta. 574+00 Rep. 15" C.M.P. 28' long with Headwalls

Sta. 574+05 Rep. 15" conc. pipe 18' long with Headwalls

END OF PROJECT STA. 574+00

END OF PROJECT

S.23 T.19S. R.69W.

5130

5120

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
5	COLO	165	1	

COLORADO
STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED
FEDERAL AID PROJECT NO. 165-R
STATE HIGHWAY NO. ~~5~~ SH 115

-FREMONT COUNTY-

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CULVERTS	SHEET No 5
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PLAN & PROFILE	SHEETS 8 TO 16 INCL.
CROSS SECTIONS	SHEETS 17 TO 40 INCL.
[illegible]	SHEET No 41
GUARD FENCE	SHEET No 42

-SYMBOLS-

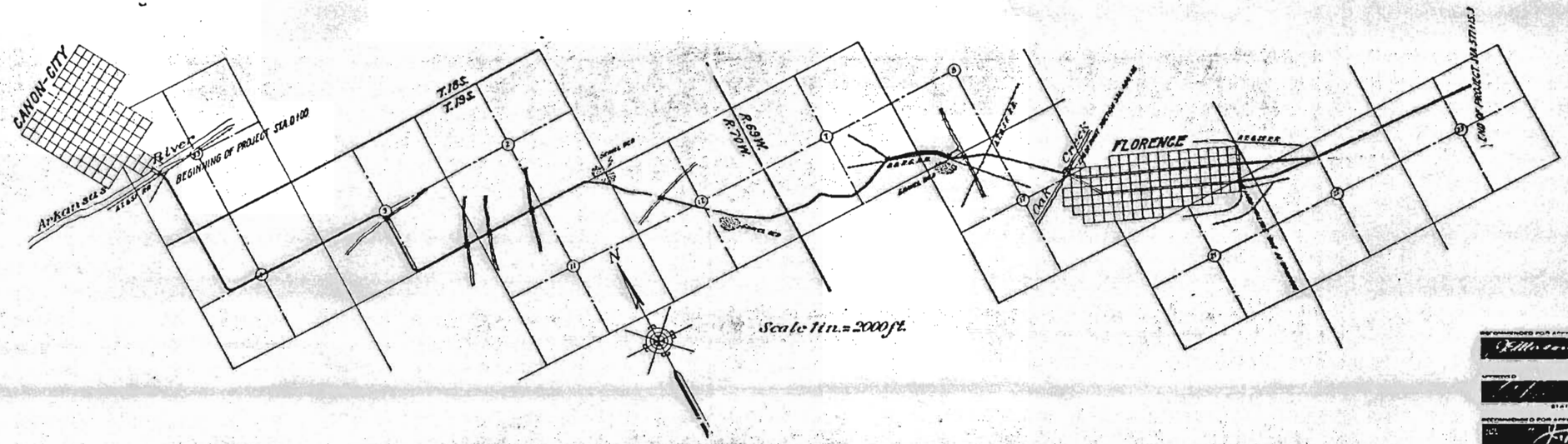
CENTER LINE ROAD
RAILROAD
TEL. LINE
POWER LINE
FENCE

SECTION

SCALES

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
GROSS LENGTH OF PROJECT 56881.4 = 10.773 MILES
NET LENGTH OF PROJECT 49236.4 = 9.325 MILES



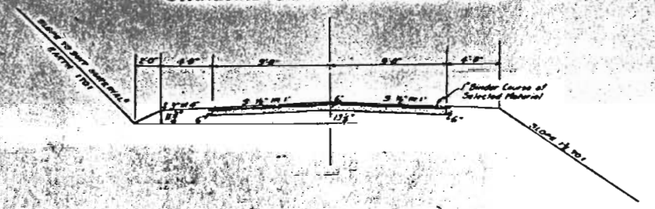
RECOMMENDED FOR APPROVAL
ASSISTANT ENGINEER
APPROVED
STATE HIGHWAY ENGINEER
RECOMMENDED FOR APPROVAL
DIST. ENG. OUT. AD PUBLIC ROADS
RECOMMENDED FOR APPROVAL
CHIEF ENG. BUREAU PUBLIC ROADS
APPROVED
REG. FOR BUREAU PUBLIC ROADS

TYPICAL CROSS SECTION OF IMPROVEMENT AND SUMMARY OF QUANTITIES

FED. ROAD DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	165	2	

Revised since 3-22-18
Sept 1-1-18
10 7 ...
Jan 30-33
Feb 28-33
3/19/33
3/30/33

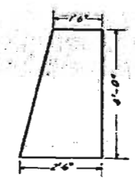
STANDARD GRAVEL SURFACED ROAD



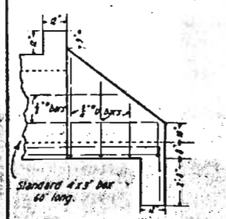
SUMMARY OF QUANTITIES

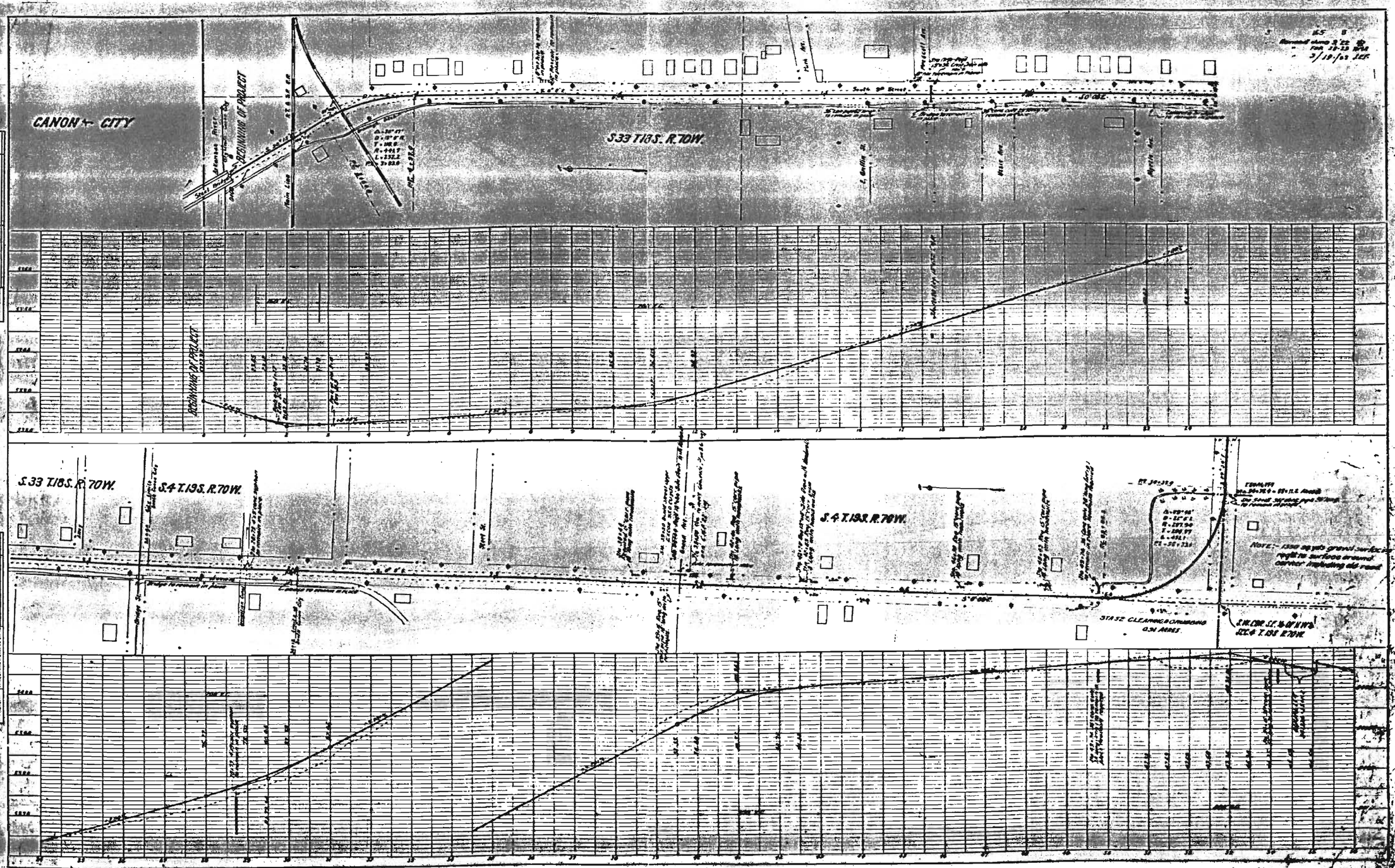
ITEM	UNIT	QUANTITY
Clearing and Grubbing	Acres	5
Excavation, Common	Cu. Yd.	54,900
Excavation, Solid Rock	" "	600
Borrow Fill	" "	17,300
Overhaul	Sta. Yd.	135,000
Gravel Surfacing	Sq. Yd.	18,300
Class A Concrete	Cu. Yd.	630
Class B Concrete	" "	[illegible]
Reinforcing Steel	Lbs.	60,200
Structural Steel	"	775
18" Corr. Metal Culvert	Lin. Ft.	[illegible]
18" " " "	" "	[illegible]
24" " " "	" "	288
30" " " "	" "	44
36" " " "	" "	100
2'6" x 18" Corr. Metal Drains	" "	42
15" Block Vitr. Siphon Pipe	" "	276
24" " " "	" "	44
Removing and Relaying Culverts	" "	1,268
Removing Culverts	" "	162
Guard Fence	" "	18,450
	Cu. Yd.	
Rubble Wall Dry	Cu. Yd.	33
Steel Conc. Bridge at [illegible]		
Concrete Class "A"	Cu. Yd.	69
" Class "B"	" "	218
Reinforcing Steel	Lbs.	21,700

* (Steel on hand at site sufficient to provide steel needed for steel bridge)



TYPICAL SECTION DRY RUBBLE WALL REQUIRED
STA 307+50 TO 306+60


2'0"
1'0"
1'0"
1


CANON CITY
BEGINNING OF PROJECT
S.33 T.18S. R.70W.
S.4 T.19S. R.70W.
STA 32 CLEARING & GRUBBING 0.34 ACRES
PLATE 2 - PLAN-PROFILE

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	165	1	—

Revised June 3, 22
" Jan. 25, 23 & L.W.
Revised for "AGR" Sec. 108 (F) & (L)
" Mch. 18, 1930 K.O.M.
" " Apr. 16, 1930 H.E.C.

COLORADO
STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED
FEDERAL AID PROJECT NO. 165
STATE HIGHWAY NO. ~~6~~ S.H. 115

FREMONT COUNTY

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BRIDGE EXTENSION	SHEET No. 7 A
GUARD FENCE	SHEET No. 7 B
SPECIAL CULVERT	SHEET No. 7 C

INDEX OF RE-OPENED DIVISION No. 1

TITLE PAGE (#165)	SHEET No. 1
SUMMARY & TYPICAL SECTION	SHEET No. 2 X
STANDARD PROJECT MARKER: N.M.D	SHEET No. 3 A
TIMBER TRESTLE: P115A. STA 521+	SHEET No. 3 B
" " " " STA 552+	SHEET No. 3 C
PLAN & PROFILE	SHEETS 8 TO 8 INCL.
CROSS SECTIONS	SHEETS 9 TO 15 INCL.

SYMBOLS

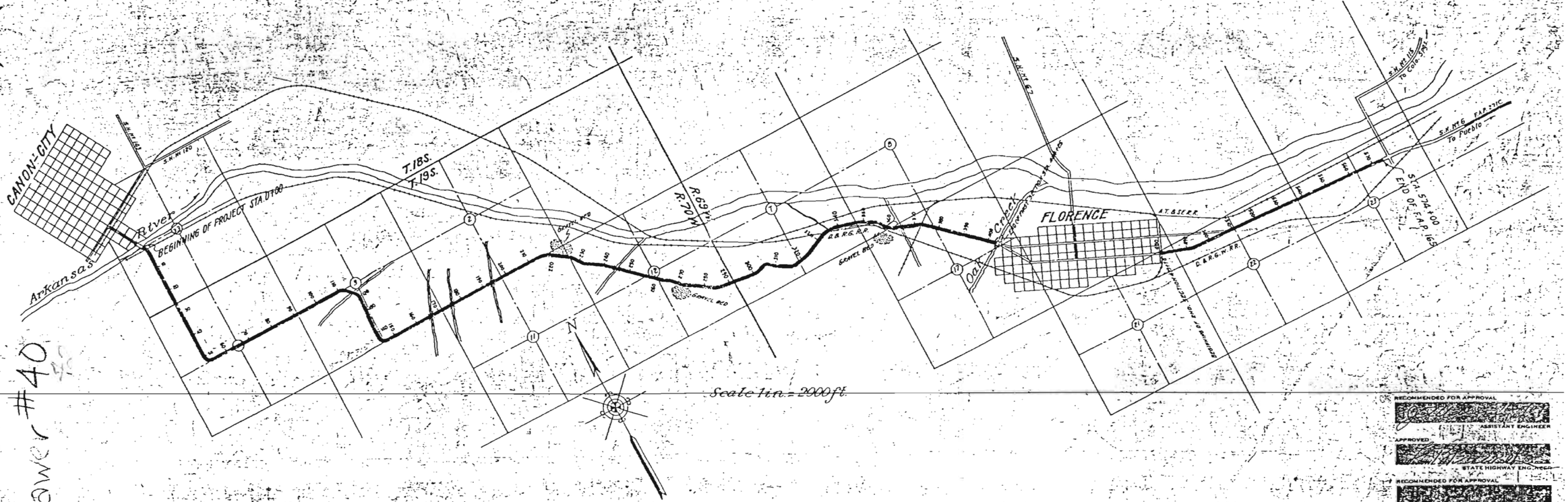
CENTER LINE ROAD
RAILROAD
TEL. LINE
POWER LINE
FENCE
SECTION

SCALES

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
GROSS LENGTH OF PROJECT 56,881.4 = 10.773 MILES
NET LENGTH OF PROJECT 49,238.4 = 9.325 MILES

RE-OPENED DIVISION No. 1
GROSS LENGTH OF DIVISION 56,881.4 FT. = 10.773 MILES
NET LENGTH OF DIVISION 49,238.4 FT. = 9.325 MILES



RECOMMENDED FOR APPROVAL
ASSISTANT ENGINEER
APPROVED
STATE HIGHWAY ENGINEER
RECOMMENDED FOR APPROVAL
DIST. ENG. BUREAU PUBLIC ROADS
RECOMMENDED FOR APPROVAL
CHIEF ENG. BUREAU PUBLIC ROADS
APPROVED
DIRECTOR BUREAU PUBLIC ROADS

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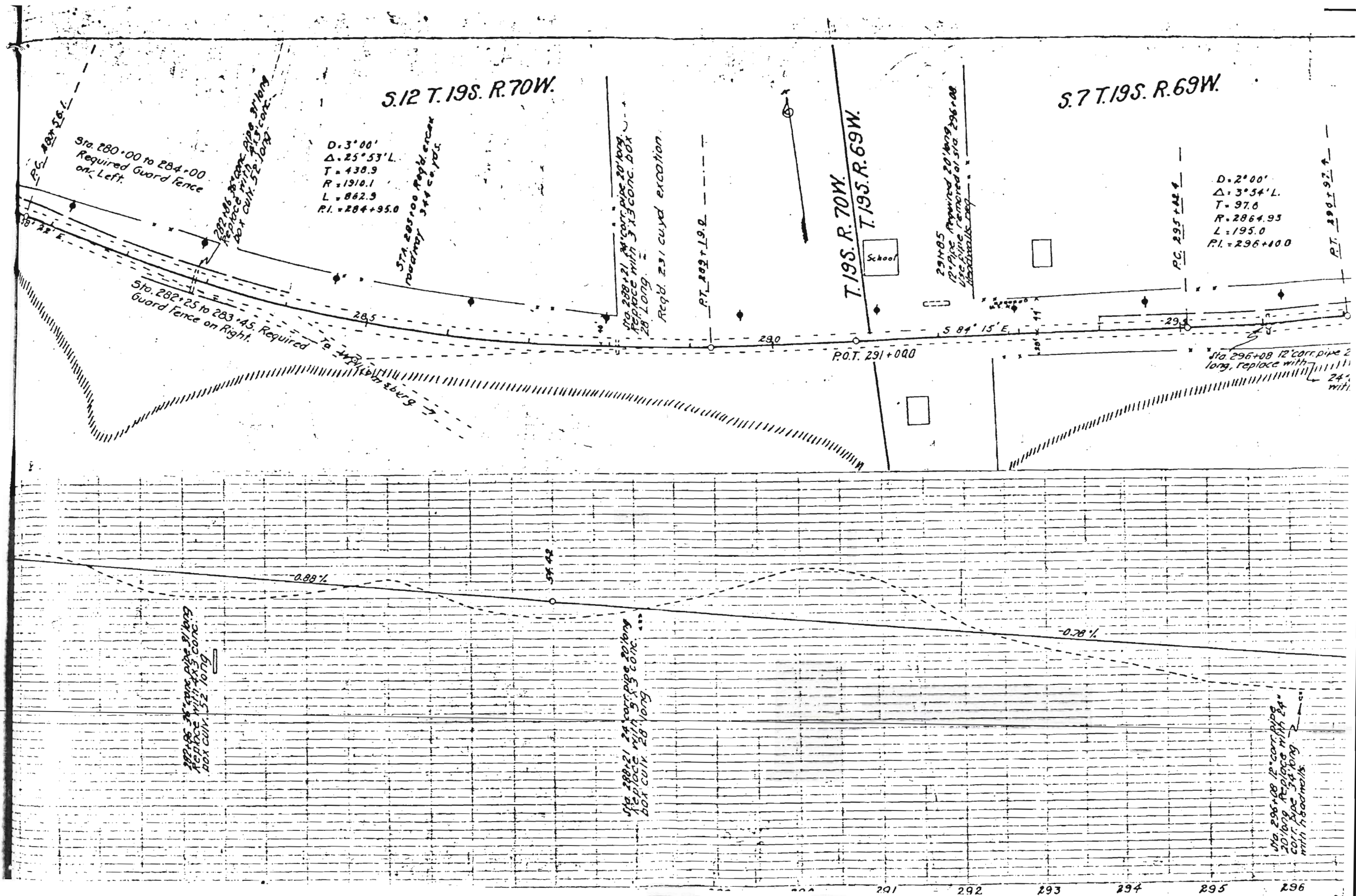
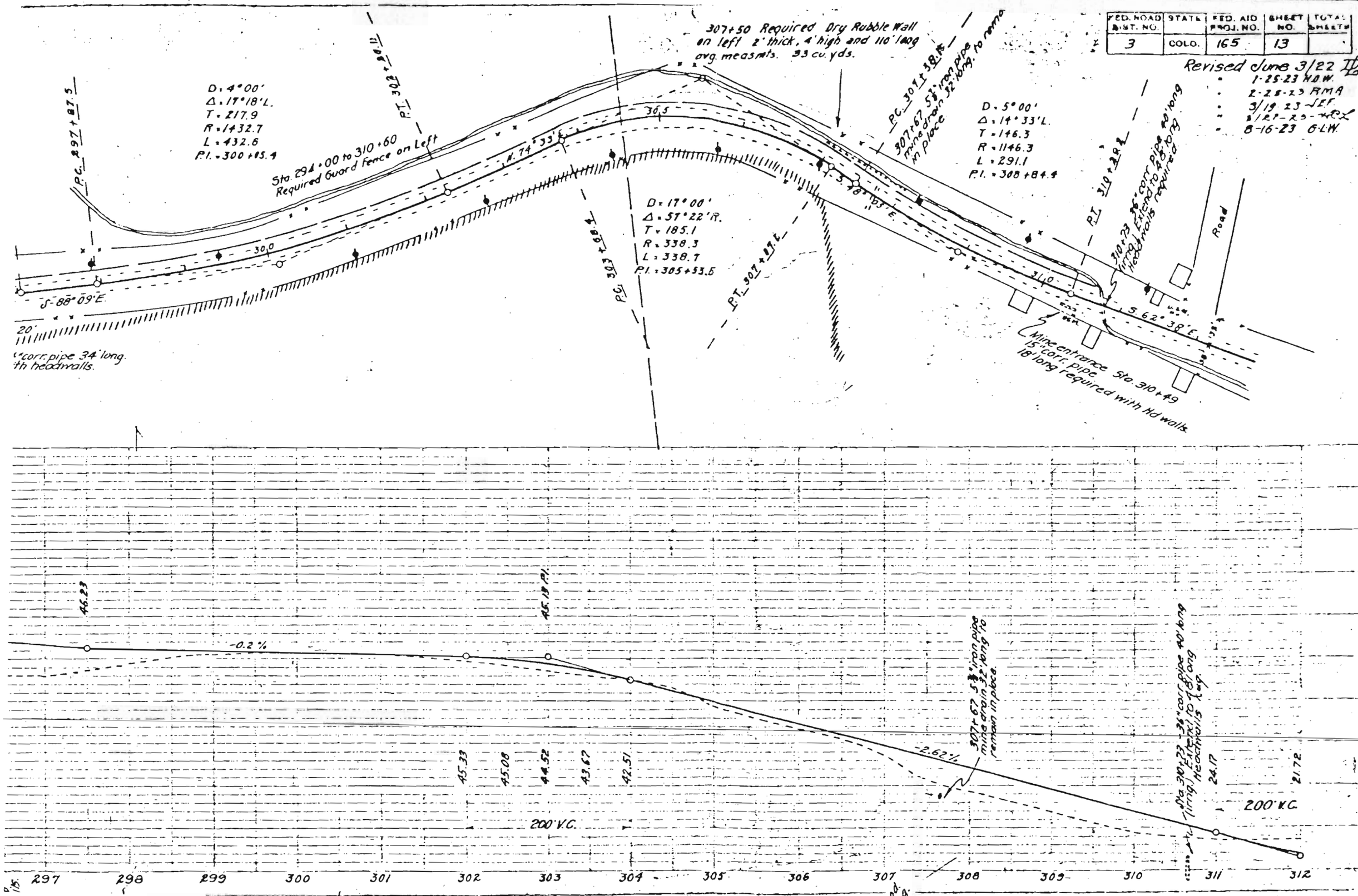
THE Sheet Plan Profile ONLY
FAP 165

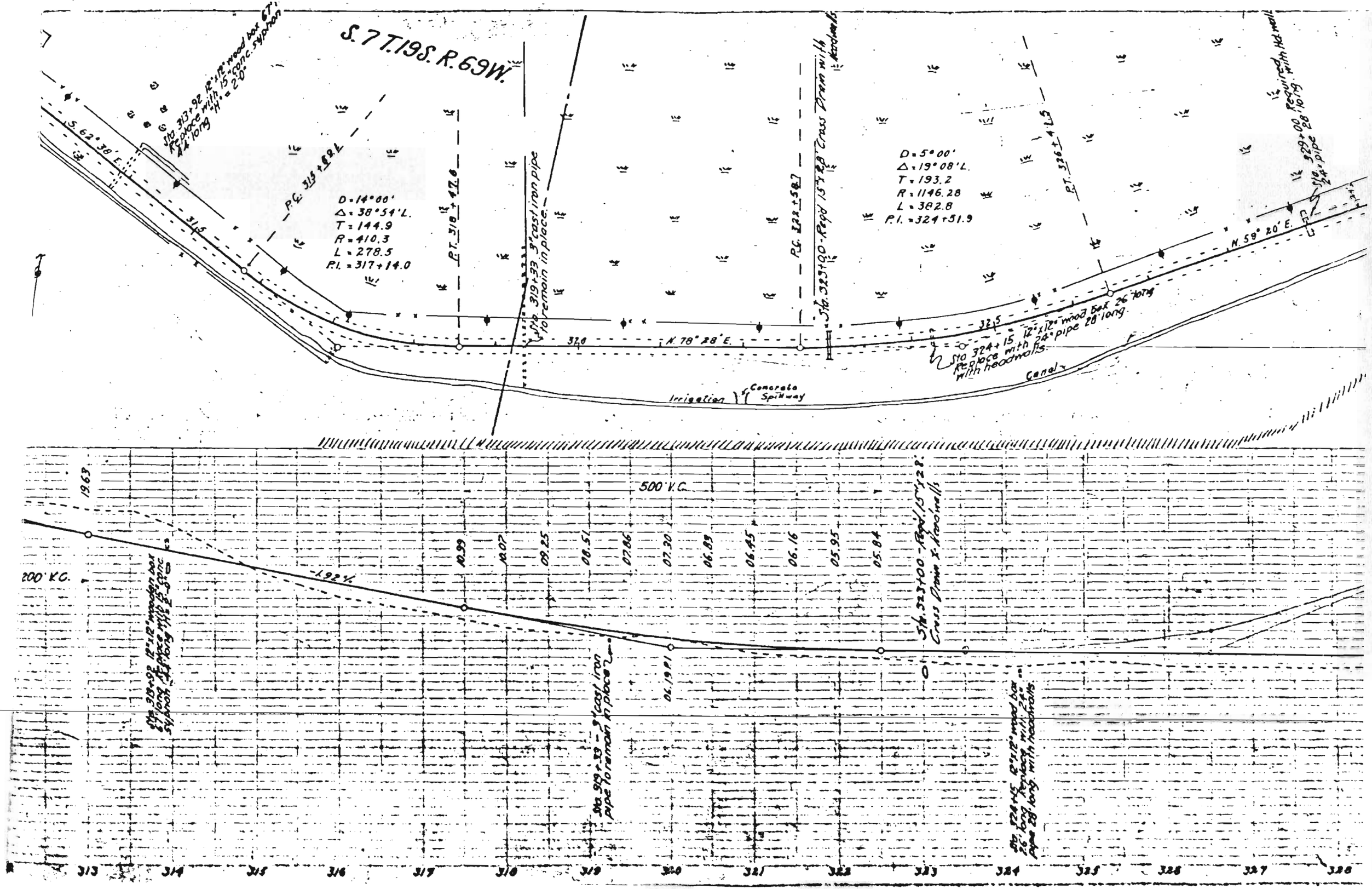
Return to
Drawer #40

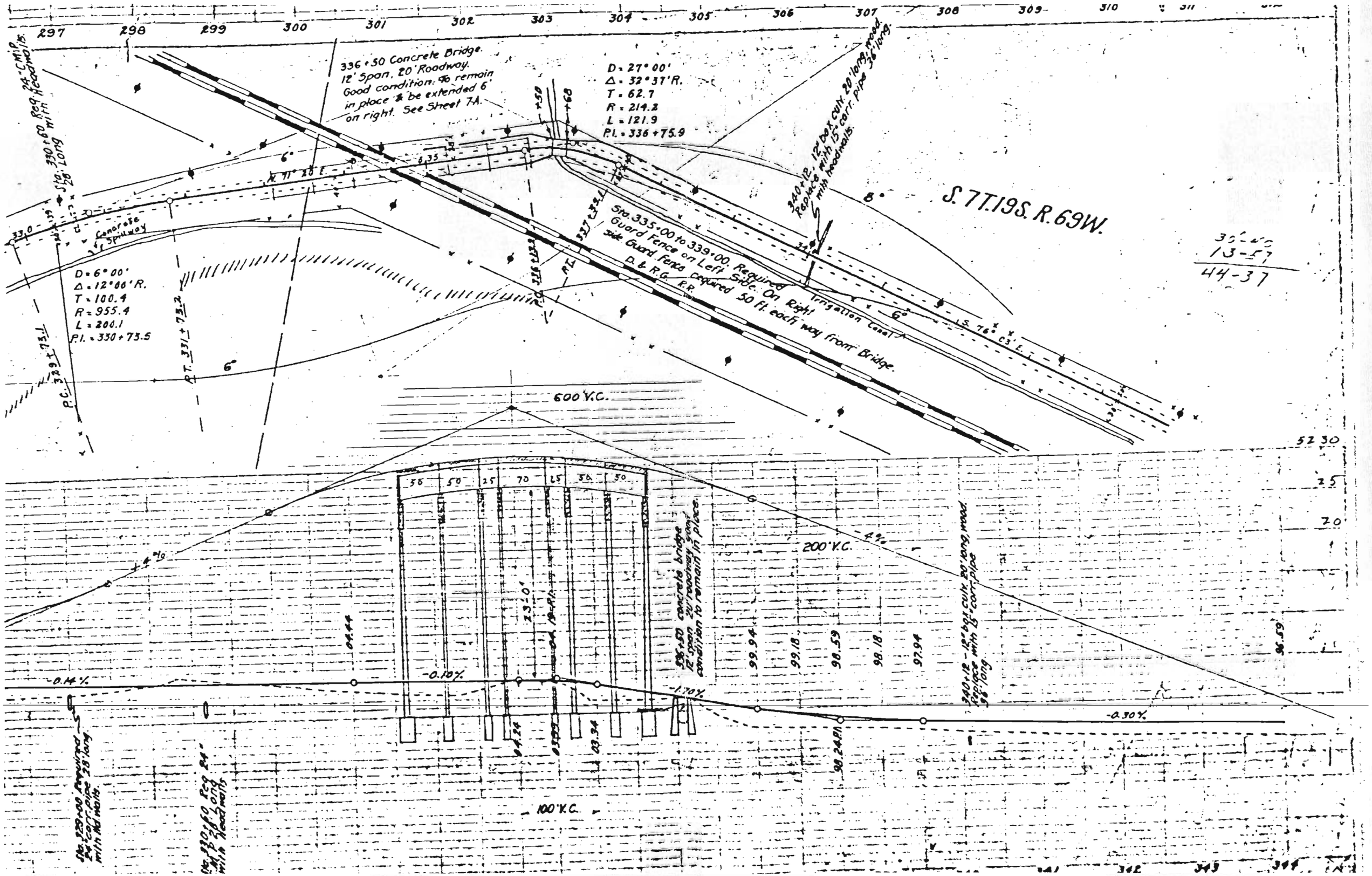

S.12 T.19S. R.70W.
S.7 T.19S. R.69W.
T.19S. R.70W.
T.19S. R.69W.
P.C. 282+56 L.
Sta. 280+00 to 284+00 Required Guard Fence on Left.
282+86 24" corr. pipe 31' long Replace with 4'x3' conc. box culv. 52' long.
D=3°00'
Δ=25°53' L.
T=438.9
R=1910.1
L=862.9
P.I.=284+95.0
Sta. 285+00 Req'd. excav roadway 344 cu. yds.
Sta. 289+21 24" corr. pipe 20' long Replace with 3'x3' conc. box 28' long.
Req'd. 231 cuyd excavation
P.T. 289+19.0
School
291+85 12" Pipe Required 20' long use pipe removed at sta. 296+08 Sidewalk req.
P.C. 295+42.1
D=2°00'
Δ=3°54' L.
T=97.6
R=2864.93
L=195.0
P.I.=296+40.0
P.T. 296+97.1
38° 28' E.
Sta. 282+25 to 283+45. Required Guard Fence on Right.
To Hopkinsville
285
290
P.O.T. 291+00.0
S 84° 15' E.
295
Sta. 296+08 12" corr. pipe 20' long, replace with 24" with
-0.88%
-0.38%
Sta. 42
282+86 24" corr. pipe 31' long Replace with 4'x3' conc. box culv. 52' long.
Sta. 289+21 24" corr. pipe 20' long Replace with 3'x3' conc. box culv. 28' long.
Sta. 296+08 12" corr. pipe 20' long Replace with 24" corr. pipe 34' long with headwalls.
291
292
293
294
295
296

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	165	13	

Revised June 3/22 ID
- 1-25-23 HDW.
- 2-28-23 RMA
- 3/19-23 JEF
- 3/22-23 WRL
- 8-16-23 GLW.




S. 7 T. 19 S. R. 69 W.
Sta. 313+92 12"x12" wood box 67' long. Replace with 15" conc. syphon 44' long "H" = 2.0'
S. 62° 38' E.
P.C. 315+82.2
D = 14° 00'
Δ = 38° 54' L.
T = 144.9
R = 410.3
L = 278.5
P.I. = 317+14.0
P.T. 318+42.0
Sta. 319+33 3" cast iron pipe to remain in place.
P.C. 322+58.7
Sta. 323+00 - Repl. 15"x28' Cross Drain with headwalls
D = 5° 00'
Δ = 19° 08' L.
T = 193.2
R = 1146.28
L = 382.8
P.I. = 324+51.9
P.T. 326+41.5
Sta. 326+00 24" pipe 28' long. Replace with headwalls
N. 59° 20' E.
N. 78° 28' E.
Sta. 324+15 12"x12" wood box 26' long. Replace with 24" pipe 28' long with headwalls.
Irrigation Canal
Concrete Spillway
1963
500' V.C.
200' V.C.
-1.92%
10.99
10.07
09.25
08.51
07.86
07.30
06.89
06.45
06.16
05.95
05.84
06.1981
Sta. 313+92 12"x12" wooden box 67' long. Replace with 15" conc. syphon 44' long
Sta. 319+33 - 3" cast iron pipe to remain in place
Sta. 323+00 - Repl. 15"x28' Cross Drain x-headwalls
Sta. 324+45 12"x12" wood box 26' long. Replace with 24" pipe 28' long with headwalls
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328


297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
336+50 Concrete Bridge.
12' Span. 20' Roadway.
Good condition. To remain in place & be extended 6' on right. See Sheet 7A.
D = 27° 00'
Δ = 32° 37' R.
T = 62.7
R = 214.2
L = 121.9
P.I. = 336+75.9
Sta. 330+60 Reg. 24" C.M.P. Headwalls 26' Long with
Concrete Spillway
D = 6° 00'
Δ = 12° 00' R.
T = 100.4
R = 955.4
L = 200.1
P.I. = 330+73.5
P.C. 329+73.1
P.T. 331+73.2
Sta. 335+00 to 339+00. Required Guard Fence on Left Side. On Right Side Guard Fence required 50 ft. each way from Bridge.
D. & R.G. R.R.
Irrigation Canal
340+12. 12' box culv. 20' long. Wood. Replace with 15" corr. pipe 36' long.
S. 7T. 19S. R. 69W.
13-57
44-37
600' V.C.
200' V.C.
100' V.C.
336+50 Concrete bridge 12' span 20' roadway good condition to remain in place.
23.0'
04.44
04.24
03.94
03.34
99.94
99.18
98.59
98.18
97.94
98.24 P.I.
96.59
340+12 - 12' box culv. 20' long. Wood. Replace with 15" corr. pipe 38' long
-0.14%
-0.10%
-1.70%
-0.30%
+4%
-4%
Sta. 330+60 Reg. 24" C.M.P. Headwalls 26' Long with Wing Walls.
Sta. 330+60 Reg. 24" C.M.P. Headwalls 28' Long with Wing Walls.

S 4 T.19S. R.70W.
S 4 T.19S. R.70W.
S.4 T.19S. R.70W.
S.3 T.19S. R.70W.
S.4 T.19S. R.70W.
S.3 T.19S. R.70W.
CLEARING & GRUBBING STA. 112 TO 120
1.28 ACRES
PLAN
PROFILE

S.3 T.19S. R.70W.
S.10 T.19S. R.70W.
S.3 T.19S. R.70W.
Canal
Bridge at Km 20
CLEAR SPAN OVER
PRESENT STRUCTURE
Length
Clear Roadway
Clear Waterway
Type of Superstructure
Type of Substructure
Skew angle with the alignment
PROPOSED STRUCTURE
Length
Clear Roadway
Clear Waterway
Type of Superstructure
Type of Substructure
FUTURE STRUCTURE
Ultimate Roadway
Ultimate Waterway
Name
Type of Bridge Site

S.3 T.19S. R.70W.
S.2 T.19S. R.70W.
S.10 T.19S. R.70W.
S.11 T.19S. R.70W.
S.2 T.19S. R.70W.
S.11 T.19S. R.70W.
PROFILE of CROSS ROAD
STA. 171+00
PROFILE of CROSS ROAD
STA. 195+25

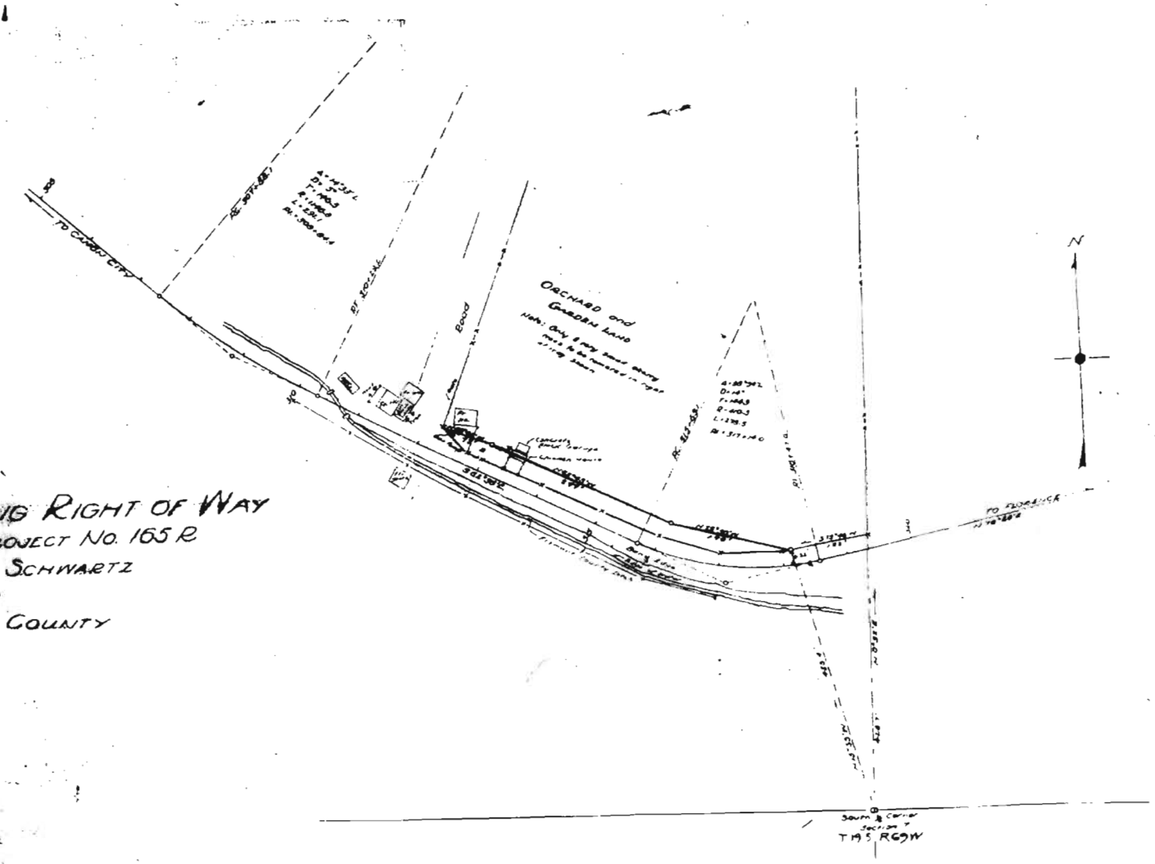
S.12 T.19S. R.70W.
S.11 T.19S. R.70W.
S.12 T.19S. R.70W.
SEC. 12 T.19S. R.70W.

PLATE 2 - PLAN PROFILE

S.7 T.19S. R.69W.
S.8 T.19S. R.69W.
S.17 T.19S. R.70W.
S.17 T.19S. R.69W.
O & R.G. R.R.
Concrete Arch Bridge
Steel Concrete 30' Span
to remain in place.
30' Standard T-beam Bridge
State Project No. 530
To remain in place.
Protection work per any
work to be done by
State forces.
END OF FIRST SECTION
PLAN
PROFILE

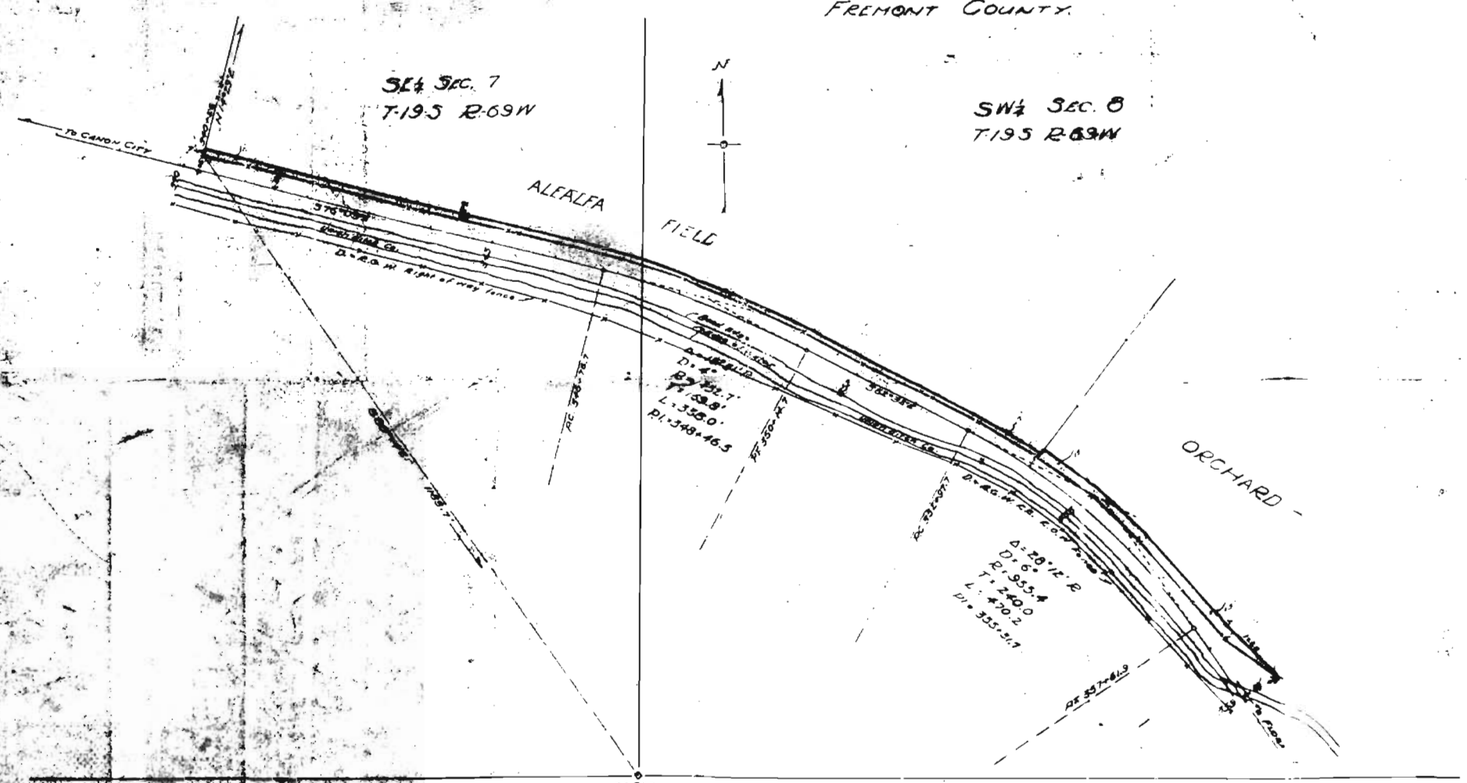
FLORENCE
MAIN ST.
16
15
21
22
S22 T19S R69W
S22 T19S R69W
S22 T19S R69W
S. 86°58'E.
Sta. 495 to 536
Req'd 3 acres clearing and grubbing
CHANGE LOCATION OF DITCH IF CHYDL. EACY REQUIRED
CHANGE LOCATION OF DITCH IF DRIVER EACY REQUIRED
PLAN
PROFILE

S.23 T.19S. R.69W.
S.23 T.19S. R.69W.
END OF PROJECT
PROFILE



SKETCH SHOWING RIGHT OF WAY
FOR FEDERAL AID PROJECT NO. 165 R
FROM A. and A. SCHWARTZ
FOR
FREMONT COUNTY

Sketch Showing Right of Way
for Federal Aid Project No. 165 R
from E. E. Edwards
to
Fremont County.



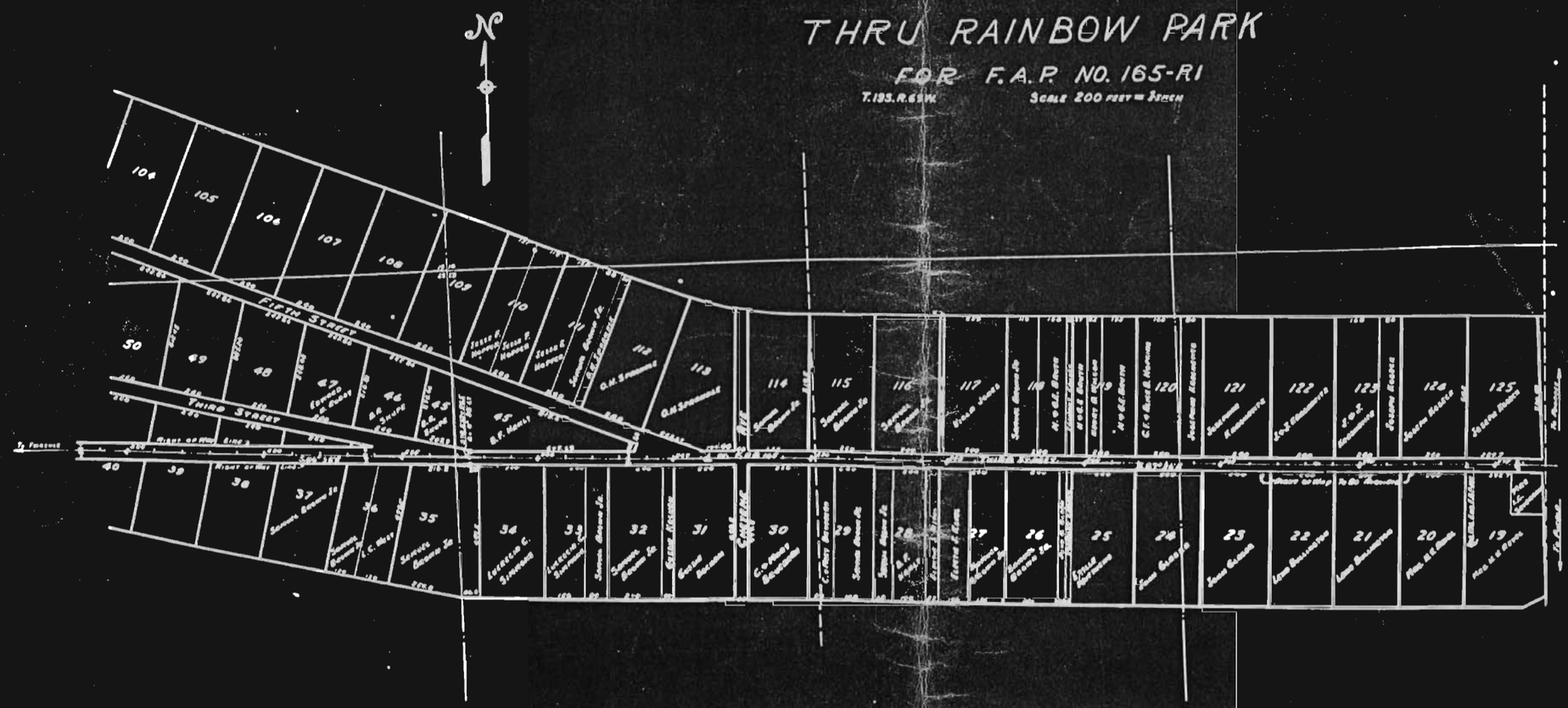
RIGHT-OF-WAY MAP

THRU RAINBOW PARK

FOR F.A.P. NO. 165-R1

T.19S. R.65W.

SCALE 200 FEET = 1 INCH

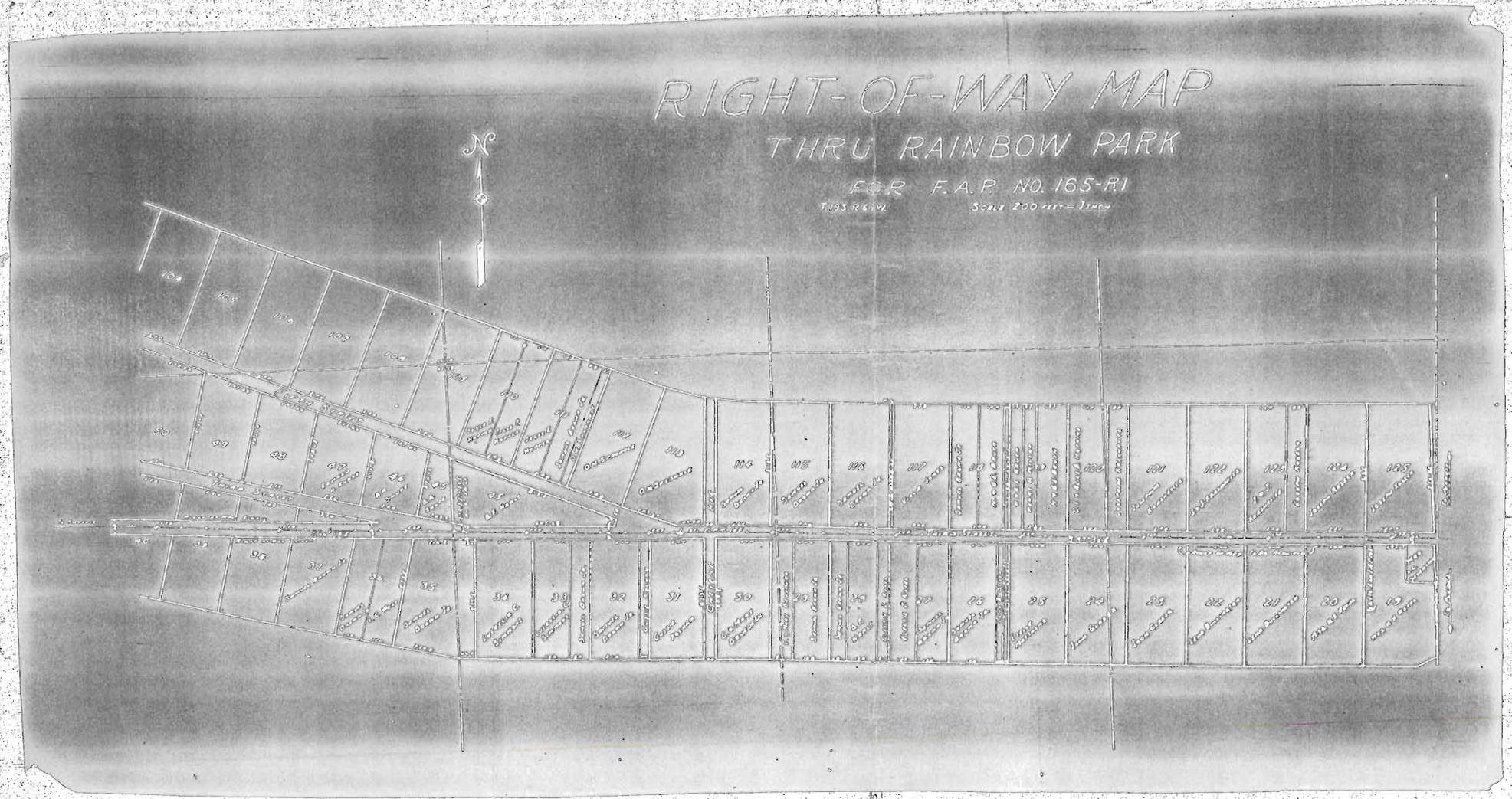


RIGHT-OF-WAY MAP

THRU RAINBOW PARK

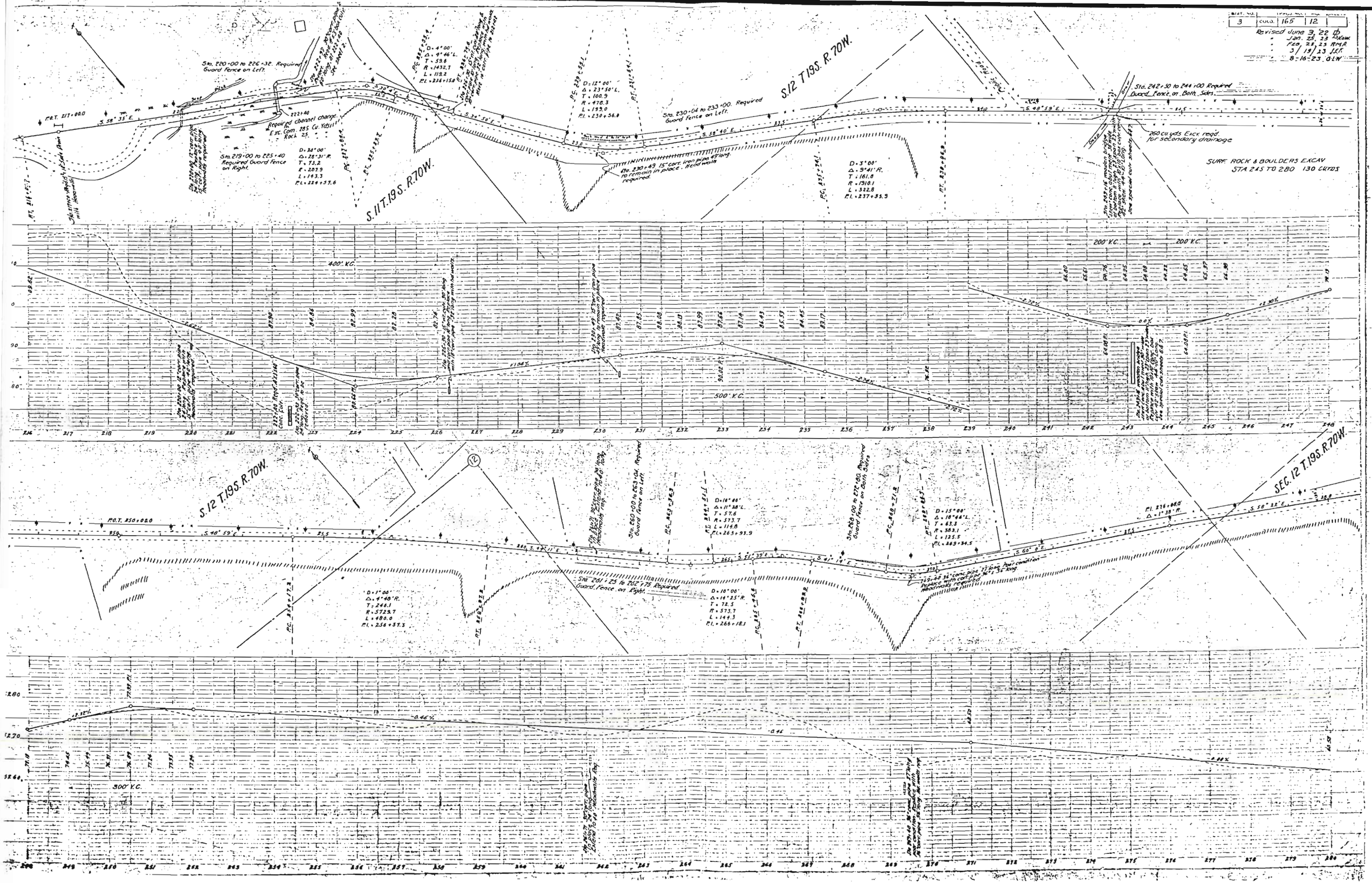
FOR F.A.P. NO. 165-R1

T.19S. R.6W. SCALE 200 FEET = 1 INCH


N
Rainbow Park
Rainbow Park Road
Rainbow Park Road
Rainbow Park Road

DIST. NO.	COUN.	PROJ. NO.	SHEET NO.
3	COLO.	165	12

Revised June 3, 22 D.
" Jan. 25, 23 JKW.
" Feb. 28, 23 RMR
" 3/13/23 LEF
" 8-16-23 DLW



3	COLO.	165	13

Revised June 3/22
1-25-23 RAM
2-28-23 RMA
3/18-23 JRF
3/22-23 - RMA
8-16-23 GLW

S.12 T.19S. R.70W.

S.7 T.19S. R.69W.

T.19S. R.70W.
T.19S. R.69W.

Sta. 280+00 to 284+00 Required Guard fence on Left.

Sta. 282+25 to 283+45 Required Guard fence on Right.

D. 3°00'
Δ. 25°53' L.
T. 438.9
R. 1910.1
L. 862.9
P.I. 284+95.8

P.O.T. 291+000

D. 2°00'
Δ. 3°34' L.
T. 97.6
R. 2864.93
L. 195.0
P.I. 296+16.0

Sta. 294+00 to 310+60 Required Guard fence on Left

D. 4°00'
Δ. 17°18' L.
T. 217.9
R. 1432.7
L. 432.6
P.I. 300+85.4

D. 17°00'
Δ. 57°22' R.
T. 185.1
R. 336.3
L. 338.7
P.I. 305+33.5

307+50 Required Dry Rubble Wall on left 2' thick, 4' high and 110' long org. measmts. 95 cu. yds.

D. 5°00'
Δ. 14°33' L.
T. 116.3
R. 1146.3
L. 291.1
P.I. 308+84.4

Line entrance Sta. 310+59 12" corr. pipe 16' long required with hd walls.

D. 14°00'
Δ. 38°54' L.
T. 144.9
R. 418.3
L. 278.5
P.I. 317+14.0

D. 5°00'
Δ. 19°08' L.
T. 193.2
R. 1146.28
L. 382.8
P.I. 324+51.9

D. 6°00'
Δ. 12°46' R.
T. 100.4
R. 955.4
L. 200.1
P.I. 330+73.5

336+50 Concrete Bridge. 12' Span. 20' Roadway. Good condition. To remain in place & be extended 6' on right. See Sheet 7A.

D. 27°00'
Δ. 52°37' R.
T. 62.7
R. 214.2
L. 121.9
P.I. 336+75.9

Sta. 333+00 to 339+00 Required Guard fence on Left Side. On Right Side Guard fence required 50 ft. each way from Bridge. D.&R.G. Co.

Irrigation Canal

Concrete Spillway

Sta. 324+15 12" corr. pipe 20' long replace with 24" pipe 28' long with headwalls.

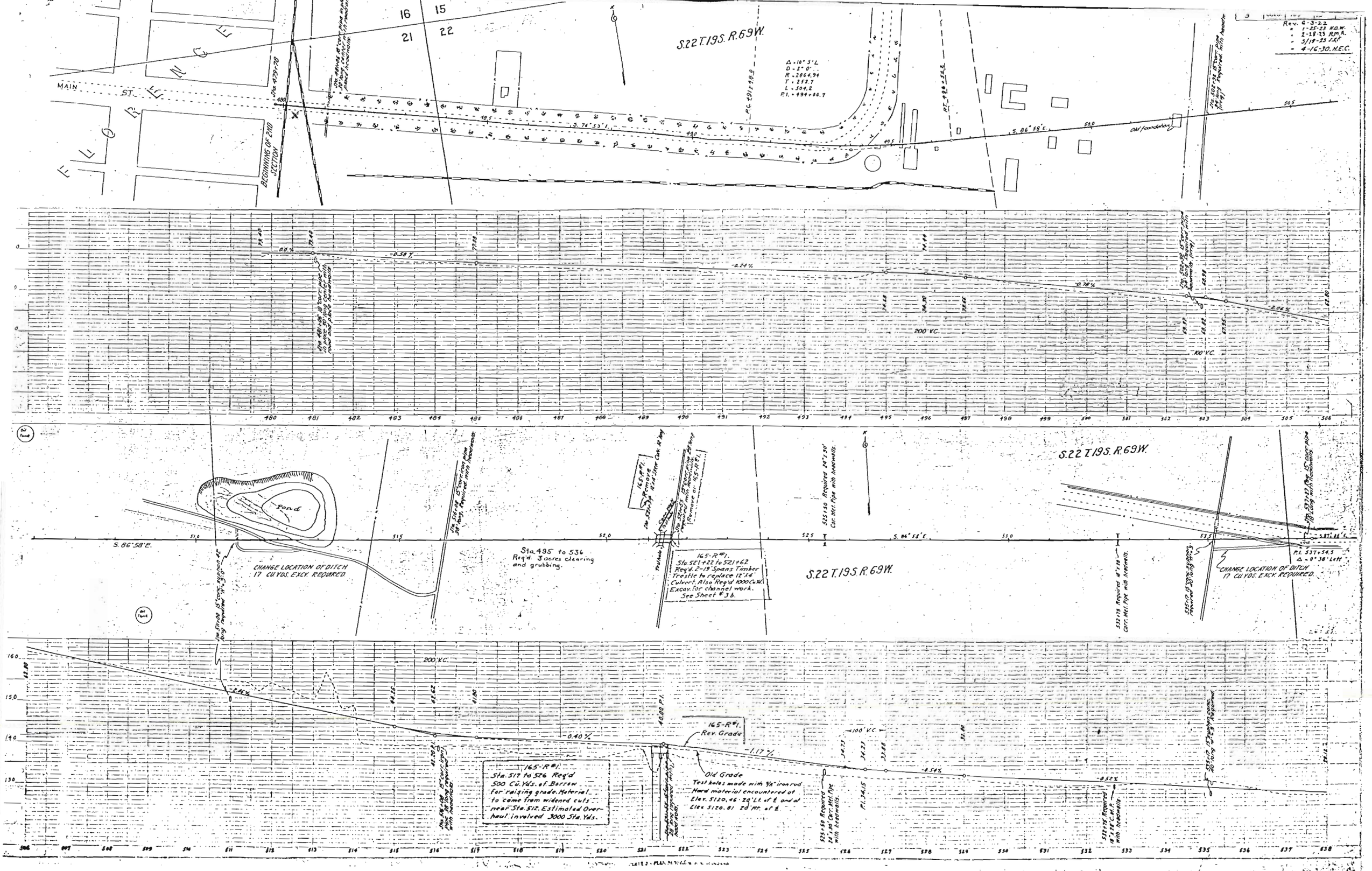
Sta. 296+08 12" corr. pipe 20' long, replace with 24" corr. pipe 34' long with headwalls.

Sta. 283+00 - Approx. 15' Cut from ⅓ Point

Sta. 283+00 - Approx. 15' Cut from ⅓ Point

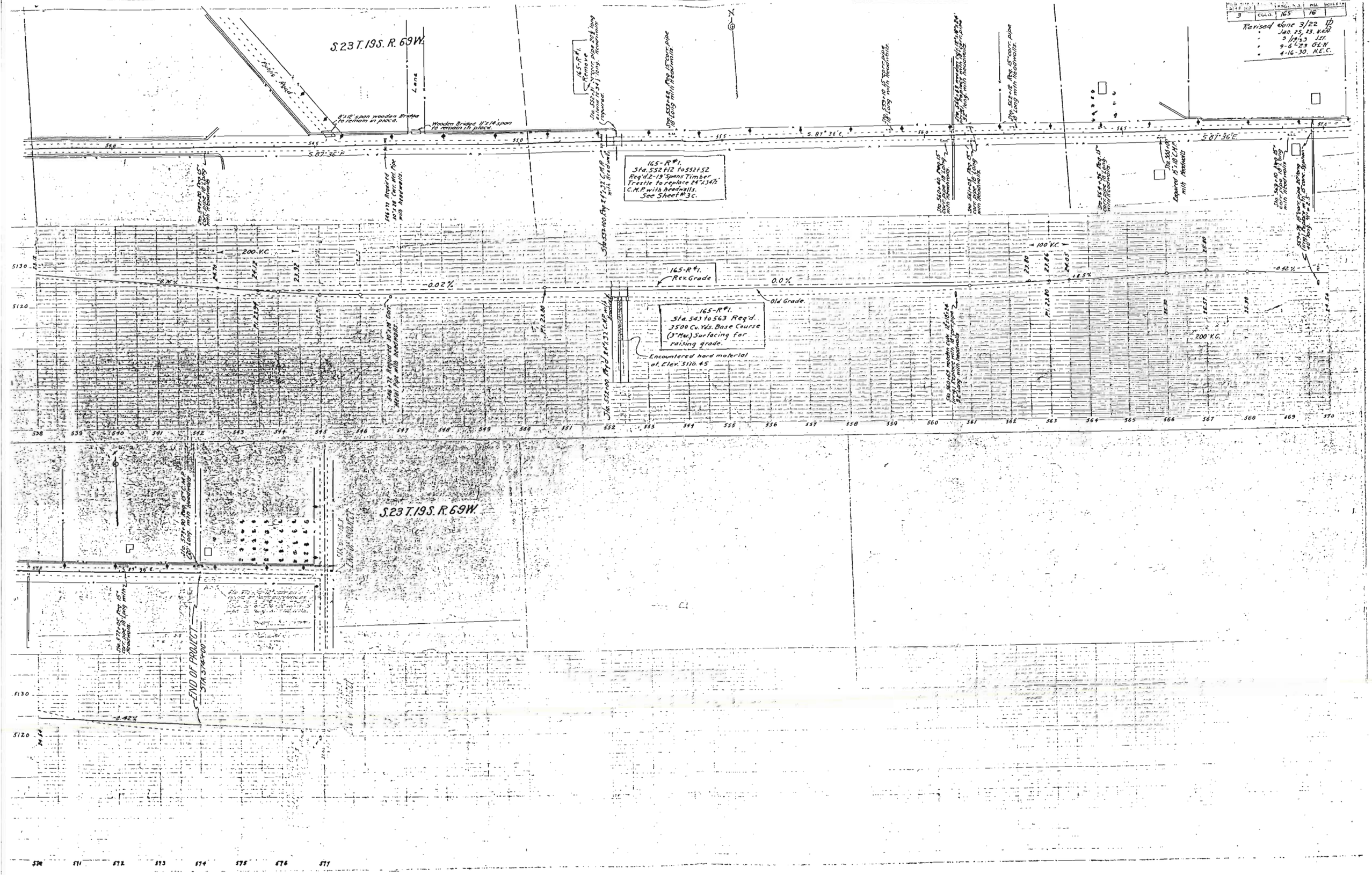
Sta. 307+67 - 8" corr. pipe invert 4' below roadway. Remove in place.

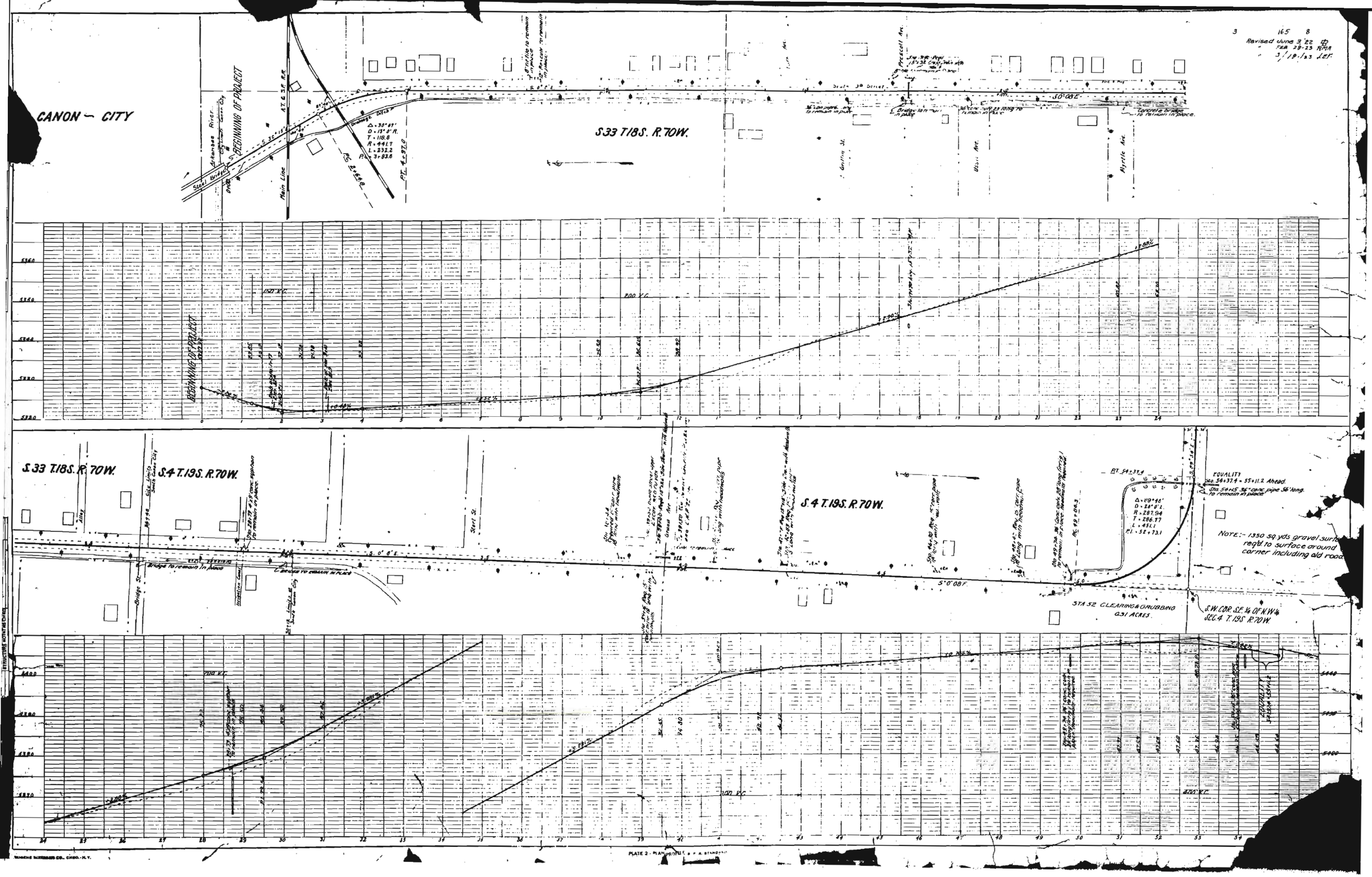
S.7 T.19S. R.69W.
S.8 T.19S. R.69W.
S.17 T.19S. R.70W.
S.17 T.19S. R.69W.
D. & R.G. R.R.
Concrete Arch Bridge
Good Condition 30' span
To remain in place.
50' Standard I-beam Bridge
State Project No. 534
To remain in place.
Protection work at wing walls to be done by State forces.
Chandler Creek
Sta. 370+30 to 377+50
Required Guard fence on Both Sides.
Public Road
END OF FIRST SECTION
Rev. 6-3-22
Rev. 2-27-23
Rev. 3/18/23

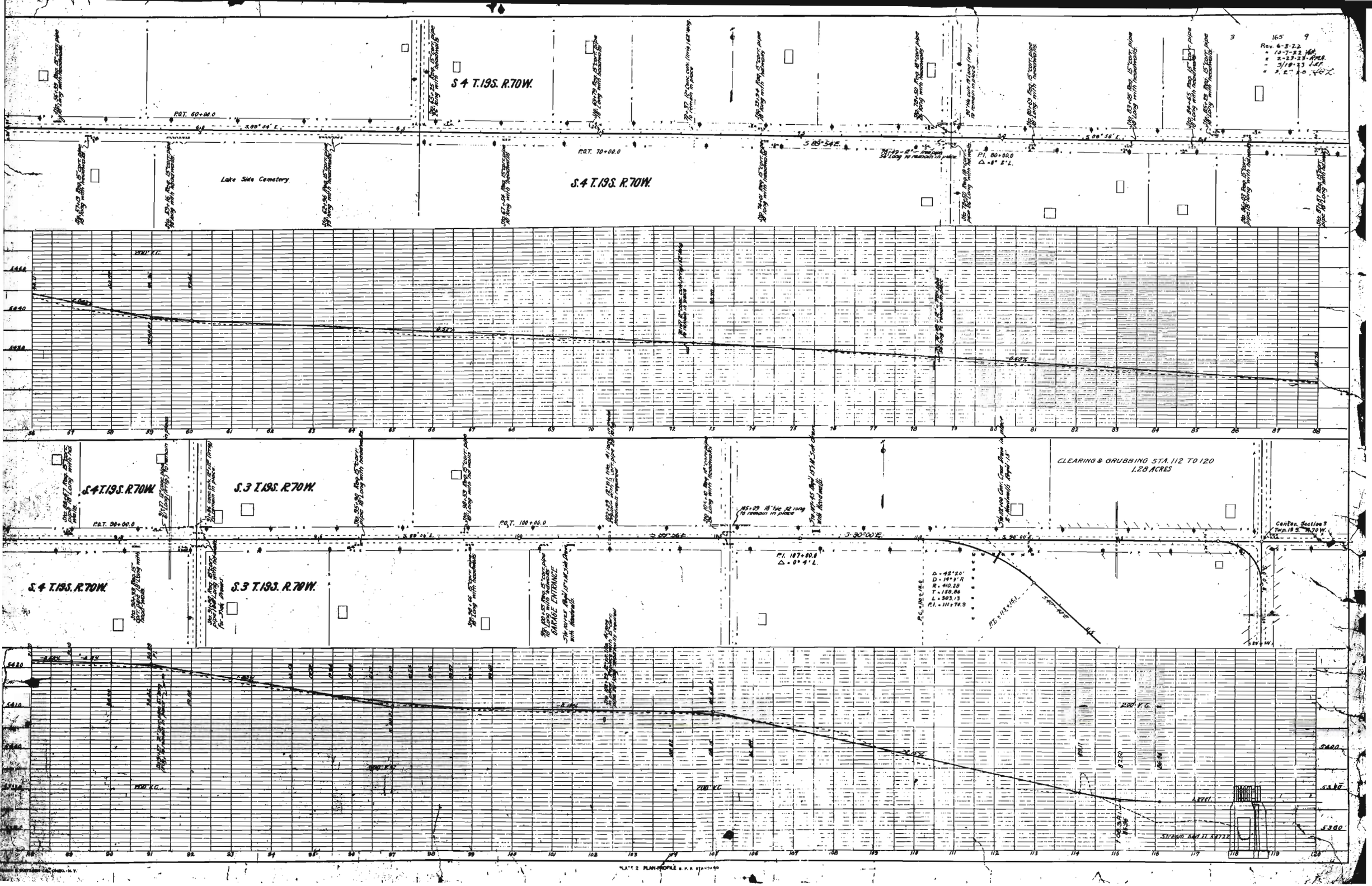

S.22 T.19S. R.69W.
MAIN ST.
BEGINNING OF 2ND SECTION
Rev. 6-3-22
1-25-23 H.D.W.
2-18-23 R.M.A.
3/19-23 J.R.F.
4-16-30. H.E.C.
Old foundation
200' V.C.
100' V.C.
Pond
S. 86°58'E.
CHANGE LOCATION OF DITCH 17 CU.YDS. EXCV. REQUIRED
Sta. 495 to 536 Req'd. 3 acres clearing and grubbing.
165-R#1. Sta. 521+22 to 521+62 Req'd. 2-19' Spans Timber Trestle to replace 12'X4' Culvert. Also Req'd 1000 Cu.Yd. Excav. for channel work. See Sheet #3b.
165-R#1. Rev. Grade
Old Grade
Test holes made with 3/4" iron rod. Hard material encountered at Elev. 5120.46 - 20' Lt. of ℄ and at Elev. 5120.81 20' Rt. of ℄.
165-R#1. Sta. 517 to 526 Req'd 500 Cu.Yds. of Borrow for raising grade. Material to come from widened cuts near Sta. 512. Estimated Overhaul involved 3000 Sta. Yds.
P.I. 537+54.5
Δ = 0°38' Left

SHEET NO.	TOTAL SHEETS	PROJ. NO.	NO.	SHEET
3	COLO	165	16	

Revised June 3/22 [illegible]
Jan. 25, 23. W.A.H.
3/19/23 J.S.F.
9-6-23 O.E.H.
4-16-30. H.E.C.




CANON — CITY
3 165 8
Revised June 3 '22
FEB 28-23 RMA
3/19/23 JEF
BEGINNING OF PROJECT
Arkansas River
Steel Bridge
A.T. & S.F. R.R.
Main Line
Drainage Ditch
Δ = 35°49'
D = 13°8' R.
T = 118.8
R = 441.7
L = 232.2
P.I. = 3+83.6
PT. 4+97.0
S 33 T18S. R.70W.
Griffin St.
Ussel Ave.
Myrtle Ave.
Prescott Ave.
State 50 Street
S.0°08'E.
150' V.C.
200' V.C.
BEGINNING OF PROJECT
S 33 T.18S. R.70W.
S.4 T.19S. R.70W.
Bridge St.
Bridge To remain In place
BRIDGE TO REMAIN IN PLACE
S.0°08'E.
S.4 T.19S. R.70W.
PT. 54+31.4
Δ = 49°46'
D = 28°6' L.
R = 287.94
T = 286.77
L = 451.1
P.I. = 52+73.1
EQUALITY
Sta. 54+37.4 = 55+11.2 Ahead.
Sta. 54+15. 36" conc. pipe 56' long. To remain in place
Note:- 1950 sq. yds. gravel surfacing reqd. to surface around corner including old road
STA 52 CLEARING & GRUBBING 0.31 ACRES.
S.W. COR. S.E. ¼ OF N.W. ¼ SEC. 4 T.19S. R.70W.
200' V.C.
100' V.C.
200' V.C.
PLATE 2 - PLAN & PROFILE
WAGNER LITHOGRAPH CO. CHICO. - N.Y.


S 4 T.19S. R.70W.
P.O.T. 60+00.0
S.89°54' E.
P.O.T. 70+00.0
S 85°54' E.
P.I. 80+00.0
Δ = 8° 2' L.
Lake Side Cemetery
S.4 T.19S. R.70W.
S.4 T.19S. R.70W.
S.3 T.19S. R.70W.
P.O.T. 90+00.0
P.O.T. 100+00.0
S 89°56' E.
S 89°26' E.
S 90°00' E.
P.I. 107+00.0
Δ = 0° 4' L.
CLEARING & GRUBBING STA. 112 TO 120
1.28 ACRES
S.4 T.19S. R.70W.
S.3 T.19S. R.70W.
GARAGE ENTRANCE
Center Section 3
Twp. 19 S. R.70 W.
Stream bed 11 Sq.Ft.
200' V.C.
PLATE 2 PLAN-PROFILE

S. 3 T. 19 S. R. 70 W.

S. 10 T. 19 S. R. 70 W.

Sta. 111+88 to 121+00. Required Guard fence on Left.

Sta. 110+00 to 120+94. Required Guard fence on Right.

Sta. 123+00 Excavate driveway 80 cu. yds. Exc. Reqd.

EQUALITY Sta. 123+42.3 = 126+14.6 Ahead

Sta. 150+89 18" conc. pipe to remain in place "as built" (irrigation)

Sta. 148+89 Req. 15" corr. pipe 48' Long with headwalls

Sta. 148+00 Reqd. 15" x 14' Corr. Meta. Pipe No Headwalls

EQUALITY Sta. 148+35.7 = 147+08.8 Ahead

Sta. 145+94 Req. 15" corr. pipe 18' Long with headwalls

STA. 143 CLEARING & GRUBBING 0.41 ACRES.

OLD DITCH TO BE ABANDONED

Sta. 143+90 Reqd. 15" corr. pipe 146 long Lay 4'0" of old pipe and move to proper position. 106' of new corr. metal pipe reqd.

LOCATION OF DITCH CHANGED 67 CU. YDS. EXCV. REQUIRED

S.W. COR. S.E. ¼ SEC. 3 T. 19 S. R. 70 W.

NOTE—
1350 SQ. YDS. OF GRAVEL SURFACING REQUIRED TO SURFACE AROUND CORNER INCLUDING OLD ROAD. 400 YDS. OF BORROW REQD FOR GRADING

S. 3 T. 19 S. R. 70 W.

Bridge at 118+20

PRESENT STRUCTURE

Span 20'

Clear roadway

Clear Waterway 100 □'

Type of Superstructure

Type of Substructure

Requirements for the structure

PROPOSED STRUCTURE

Pipe 125' to present structure 200' up stream

Span

Clear roadway 24'

" Waterway 180 □'

Type of Superstructure Concrete

Type of Substructure Gravity-Concrete

OPTIONAL STRUCTURE

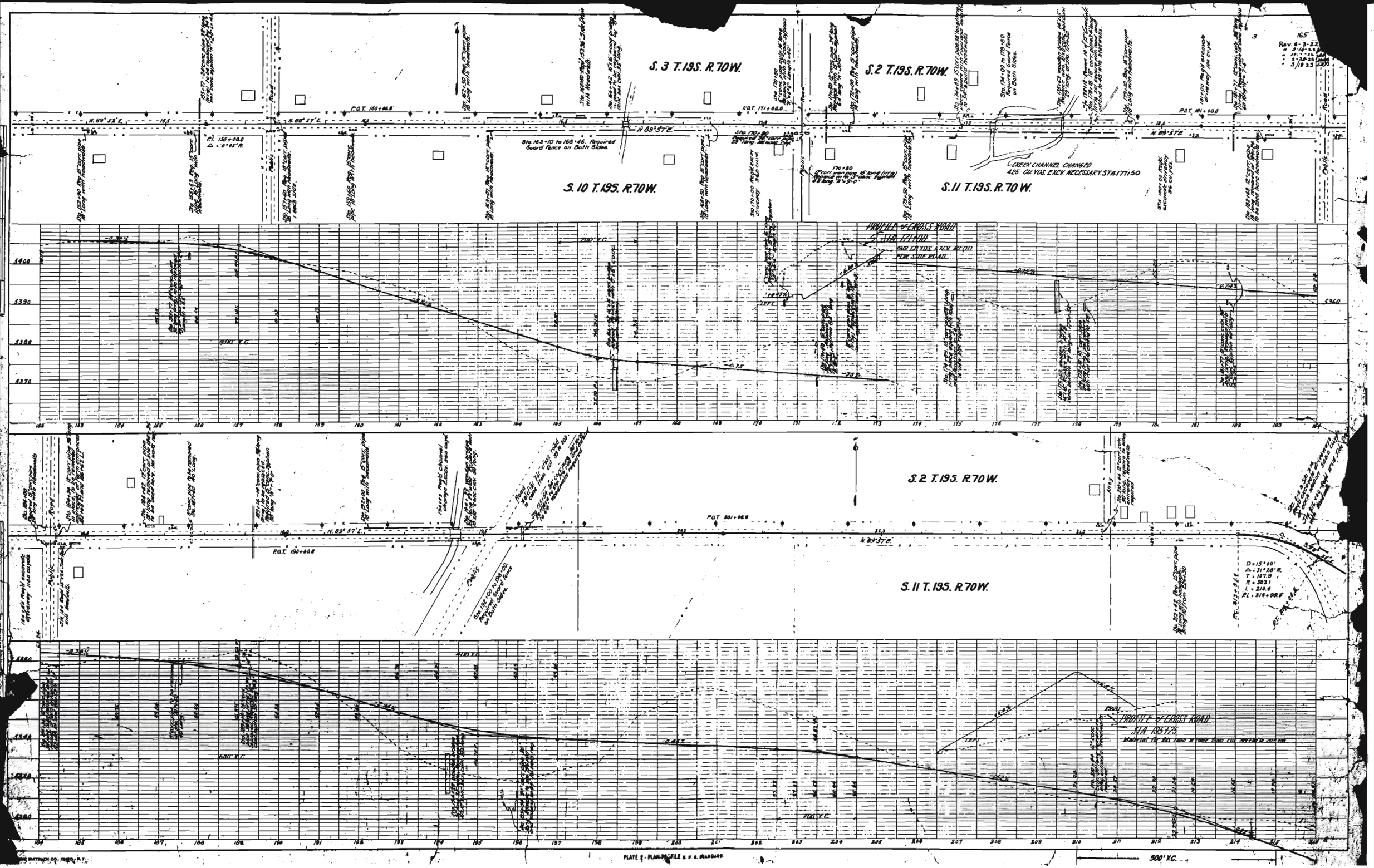
Requirements Requirements 1132 present road

AVAILABLE SITES

Name Greenville

Miles to bridge site 2 miles

PLATE I - PLAN-PROFILE G. F. R. STANDARD


S. 3 T. 19S. R. 70W.
S. 2 T. 19S. R. 70W.
S. 10 T. 19S. R. 70W.
S. 11 T. 19S. R. 70W.
S. 2 T. 19S. R. 70W.
S. 11 T. 19S. R. 70W.
N. 89° 57' E.
P.O.T. 160+00.0
P.O.T. 171+00.0
P.O.T. 181+00.0
P.O.T. 190+00.0
P.O.T. 201+00.0
Sta. 163+10 to 165+45, Required Guard Fence on Both Sides.
Sta. 170+00 Required Guard Fence on Both Sides.
Sta. 174+00 to 178+50 Required Guard Fence on Both Sides.
CREEK CHANNEL CHANGED
425 CU. YDS. EXCV. NECESSARY. STA. 177+50
PROFILE of CROW'S ROAD
STA. 177+00
PROFILE of LOGGY ROAD
STA. 195+75
Sta. 192+00 to 194+00 Required Guard Fence on Both Sides.
D = 15° 00'
Δ = 31° 28' R.
T = 167.9
R = 382.1
L = 218.4
P.C. = 219+98.8
5400
5390
5380
5370
5360
500' V.C.
PLATE 2 - PLAN-PROFILE

3 165 12

Revised June 3, '22
" Jan. 28, 23
" Feb. 28, 23
" 3/19/23

Sta. 220+00 to 226+32. Required Guard Fence on Left.

Required Channel change. Exc. Com. 285 Cu. Yds. Rock 25

Sta. 219+00 to 225+40 Required Guard Fence on Right.

D = 24°00'
Δ = 28°31' R.
T = 73.3
R = 239.9
L = 143.3
P.I. = 224+58.6

D = 4°00'
Δ = 4°46' L.
T = 59.6
R = 1432.7
L = 118.2
P.I. = 226+82.8

D = 12°00'
Δ = 23°50' L.
T = 100.9
R = 478.3
L = 199.0
P.I. = 230+56.8

S.12 T.19S. R.70W.

S.11 T.19S. R.70W.

Sta. 230+04 to 233+00. Required Guard Fence on Left.

Rd. 230+69 15" conc. iron pipe 69' long to remain in place. Headwalls required.

D = 3°00'
Δ = 9°41' R.
T = 161.8
R = 1910.1
L = 322.8
P.I. = 237+35.9

260 cu yds Excv reqd. for secondary drainage

SURF. ROCK & BOULDERS EXCAV
STA. 245 TO 280 130 CU.YDS

S.12 T.19S. R.70W.

SEC. 12 T.19S. R.70W.

D = 1°00'
Δ = 4°48' R.
T = 24.1
R = 5729.7
L = 48.0
P.I. = 258+88.3

Sta. 260+00 to 263+04 Required Guard Fence on Left

D = 18°00'
Δ = 11°28' L.
T = 57.6
R = 573.7
L = 114.8
P.I. = 268+93.9

D = 18°00'
Δ = 14°25' R.
T = 72.5
R = 573.7
L = 144.3
P.I. = 264+18.1

Sta. 263+00 to 270+00 Required Guard Fence on Both Sides

D = 15°00'
Δ = 10°46' L.
T = 63.3
R = 383.1
L = 135.5
P.I. = 268+94.5

P.I. 270+00.0
Δ = 1°58' R.

Rd. 269+48 24" conc. pipe 72 lins. per condition. Replace with coll. pipe 36" x 36' long. Headwalls required.

PLATE 2 - PLAN-PROFILE & P/R STANDARD

ETZEL CO., CHGO., ILY.

S.12 T.19S. R.70W.
T.19S. R.70W.
T.19S. R.69W.
S.7 T.19S. R.69W.
Revised June 3/22
1-25-23 N.A.W.
2-23-23 P.M.A.
3/19-23 -JEK
4/27-23 -JEK
D=3°00'
Δ=25°53'L.
T=438.3
R=1316.1
L=862.3
P.I.=286+95.8
D=2°00'
Δ=3°34'L.
T=97.6
R=2864.93
L=195.0
P.I.=296+18.8
D=4°00'
Δ=17°18'L.
T=217.9
R=1432.7
L=432.8
P.I.=308+62.4
D=5°00'
Δ=14°33'L.
T=146.3
R=1146.3
L=291.1
P.I.=348+84.4
D=17°00'
Δ=57°22'R.
T=165.1
R=338.3
L=338.7
P.I.=305+53.5
D=14°00'
Δ=38°54'L.
T=144.9
R=418.3
L=278.5
P.I.=317+14.0
D=5°00'
Δ=19°08'L.
T=193.2
R=1146.28
L=382.8
P.I.=324+51.9
D=6°00'
Δ=12°06'R.
T=180.4
R=355.4
L=266.1
P.I.=330+73.6
D=27°00'
Δ=32°37'R.
T=62.7
R=214.2
L=121.9
P.I.=336+75.9
Site 280+00 to 284+00 Required Guard fence on Left.
Site 282+25 to 285+45 Required Guard fence on Right.
Site 294+00 to 310+00 Required Guard Fence on Left
307+50 Required Dry Rubble Wall on left 2' thick, 4' high and 110' long avg measurements. 33 cu yds.
P.O.T. 291+00
Site 335+00 to 339+00 Required Guard Fence on Both Sides.
336+50 Concrete Bridge 12' Span, 20' Roadway. Good condition. To remain in place & be extended 6' on right. See Sheet 7A.
Irrigation
Concrete Spillway
Irrigation Canal
Road
School
5260
5250
5240
5230
5220
5210
5200

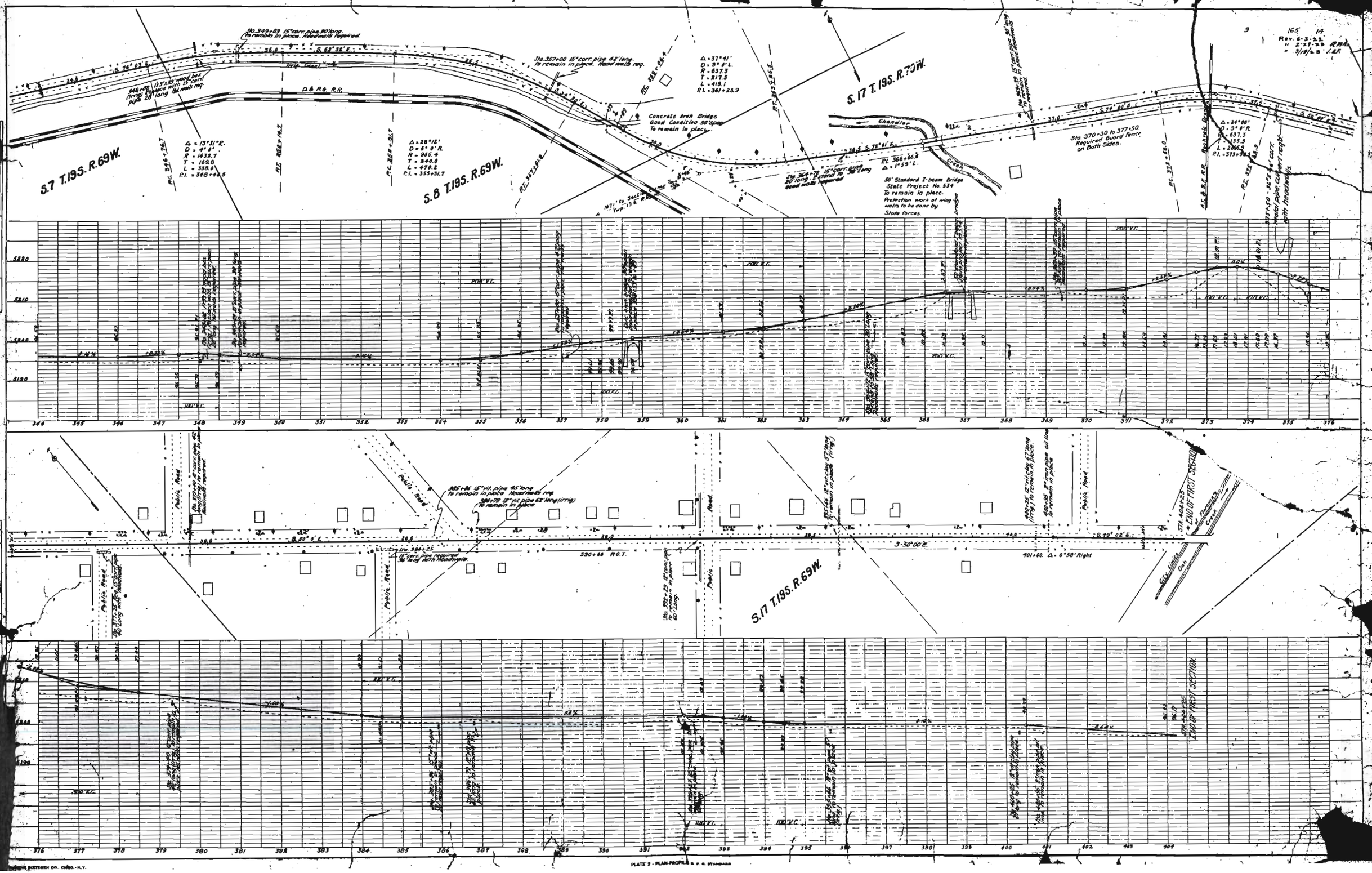
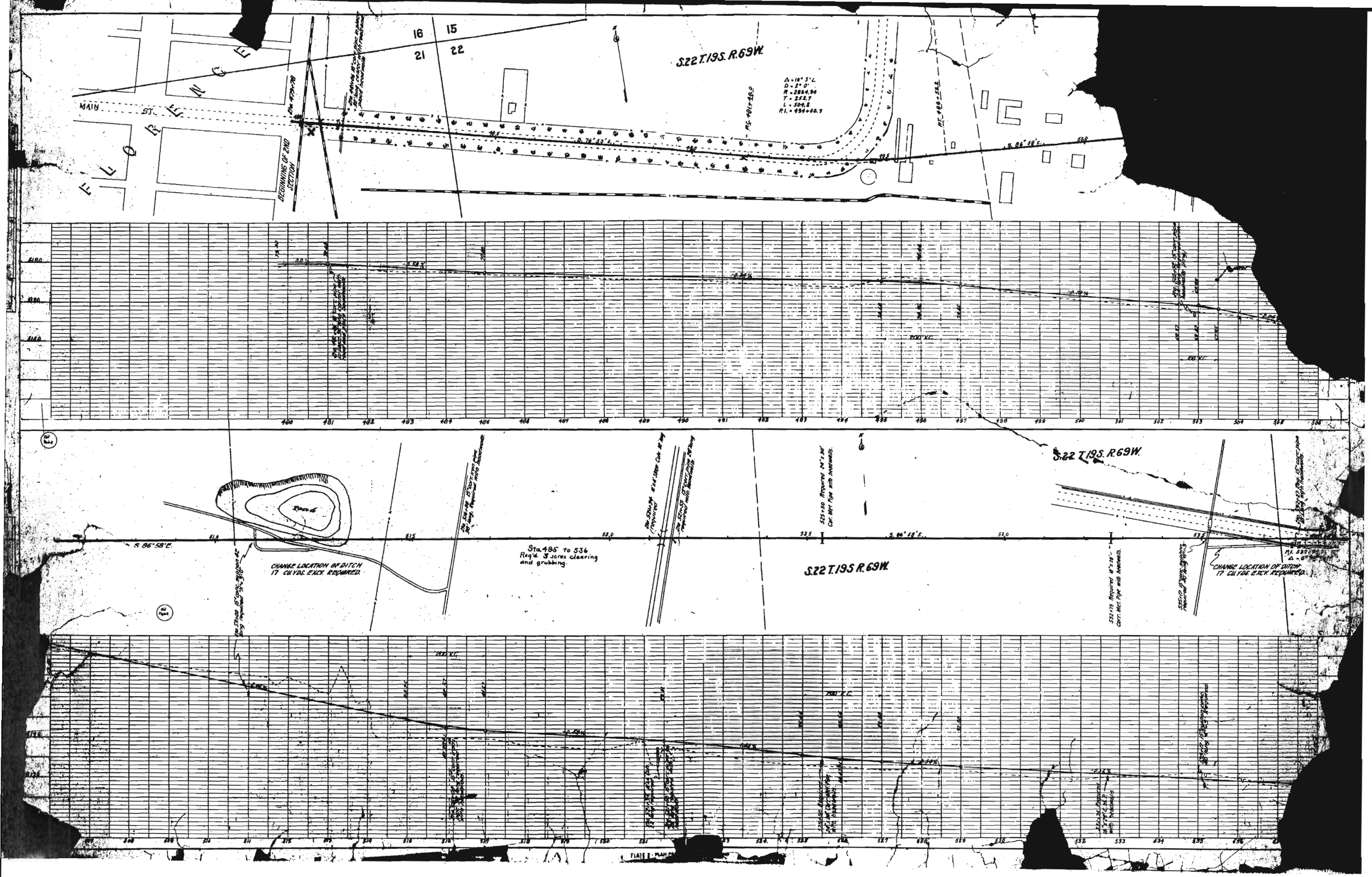
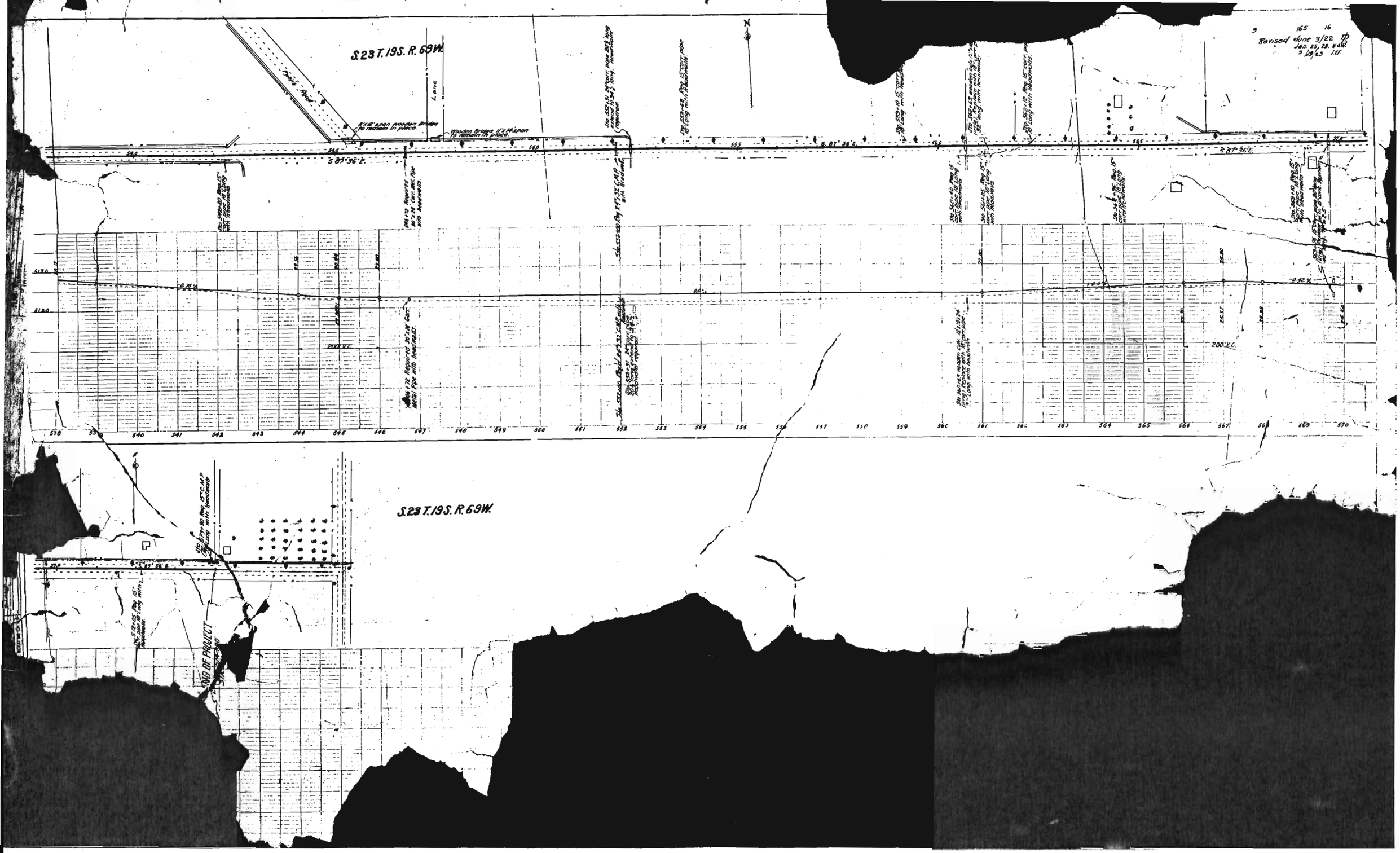


PLATE 2 - PLAN-PROFILE R. F. E. STANDARD


FLORENCE
MAIN ST.
BEGINNING OF 2ND SECTION
16
15
21
22
S.22 T.19S. R.69W.
S.22 T.19S. R.69W.
S.22 T.19S R.69W.
S. 86°58'E.
CHANGE LOCATION OF DITCH
17 CU.YDS. EXCV. REQUIRED.
Sta. 485 to 536
Req'd. 3 acres clearing
and grubbing.
CHANGE LOCATION OF DITCH
17 CU.YDS. EXCV. REQUIRED.


S23 T.19S. R.69W.
Public Road
Lane
8'x18' span wooden Bridge to remain in place.
Wooden Bridge 11'x18' span to remain in place.
S 87°36' E.
S 87°36' E.
S 87°36' E.
Revised June 3/22
Jan. 25, 28, Mar.
3/18/23 JEF
200' V.C.
END OF PROJECT
S23 T.19S. R.69W.