

MICROFILMED

INDEX OF SHEETS FAP NO. 1(2)

1. SKETCH MAP AND TITLE SHEET
2. TYPICAL SECTIONS
3. SUMMARY OF APPROXIMATE QUANTITIES

- 5-8. LIST OF STRUCTURES
10. R.O.W. MARKERS, FENCING, REM. SIGNS, TIMBER GUARD POSTS AND GUARD FENCE

11. GRAVEL AND BORROW PITS & APPROXIMATE QUANTITIES
- 12-17. DETAILS OF BRIDGE STA. 145+
- 18-20. IRRIGATION STRUCTURES
22. STANDARD HEADWALLS FOR C.M.P. CULVERTS
23. " CONCRETE BOX CULVERTS (2x2')(3x2')(4x2') & (3x3')
24. DETAILS OF 10'x10' CONCRETE BOX CULVERT, STA. 182+00
25. STANDARD SYPHON CORRUGATED GALV. IRON PIPE WITH CONCRETE INLET & OUTLET BOXES

M-102-E Rev.
M-103-D Rev.

26. " TIMBER GUARD POSTS
27. " SEMI-RIGID METAL PLATE GUARD FENCE
28. " FLEXIBLE METAL PLATE GUARD FENCE
29. " WIRE FENCES WITH STEEL POSTS & MARKER POSTS
- 29a. " CATTLE GUARDS- 16' ROADWAY
30. SPECIAL WIRE FENCES WITH STEEL POSTS
31. STANDARD STRUCTURE NUMBER LETTERING
32. " METHODS FOR SUPERELEVATION OF CURVES
33. TYPICAL SIDE APPROACH ROADS- ROADWAY CONSTRUCTION TRAFFIC SIGNS.

M-123-A
M-19-A
M-21-B
M-22-B
M-27-A
M-16-A

M-10-A
M-1-B

M-2-B

- 34-43. PLAN AND PROFILE SHEETS
- 44-45. CHANNEL CHANGE SHEETS
- 49-106. CROSS SECTION SHEETS

- 22-A. REINFORCED CONCRETE CULVERT PIPE
- 22-B. SPECIAL HEADWALL FOR C.M.P. STA. 102+
- 23-A. " INLET FOR C.B.C., STA. 82+
- 23-B. " " STA. 113+

F.A.P. NO. 83 (2)

1. SKETCH MAP AND TITLE SHEET
2. TYPICAL SECTIONS
4. SUMMARY OF APPROXIMATE QUANTITIES, FENCING, GATES AND R.O.W. MARKERS

9. LIST OF STRUCTURES
11. GRAVEL & BORROW PITS & APPROXIMATE QUANTITIES
21. DETAILS OF 12'x8.5' CONC. BOX CULV'T. EXT. RT. STA. 212+
22. STANDARD HEADWALLS FOR C.M.P. CULVERTS, REV. M-102-E
23. " CONCRETE BOX CULVERTS (4x4') REV. M-103-D
25. " SIPHON CORRUGATED GALV. IRON PIPE WITH CONC. INLET & OUTLET BOXES
26. " TIMBER GUARD POSTS
27. " SEMI-RIGID METAL PLATE Gd. FENCE
28. " FLEXIBLE METAL PLATE Gd. FENCE
29. " WIRE FENCES WITH STEEL POSTS AND MARKER POSTS

M-123-A
M-19-A
M-21-B
M-22-B
M-27-A

30. SPECIAL WIRE FENCES WITH STEEL POSTS
32. STANDARD METHODS FOR SUPERELEVATION OF CURVES
33. TYPICAL SIDE APPROACH ROADS- ROADWAY CONSTRUCTION TRAFFIC SIGNS

M-1-B
M-2-B

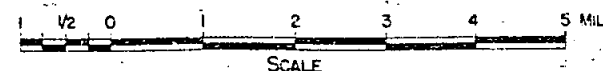
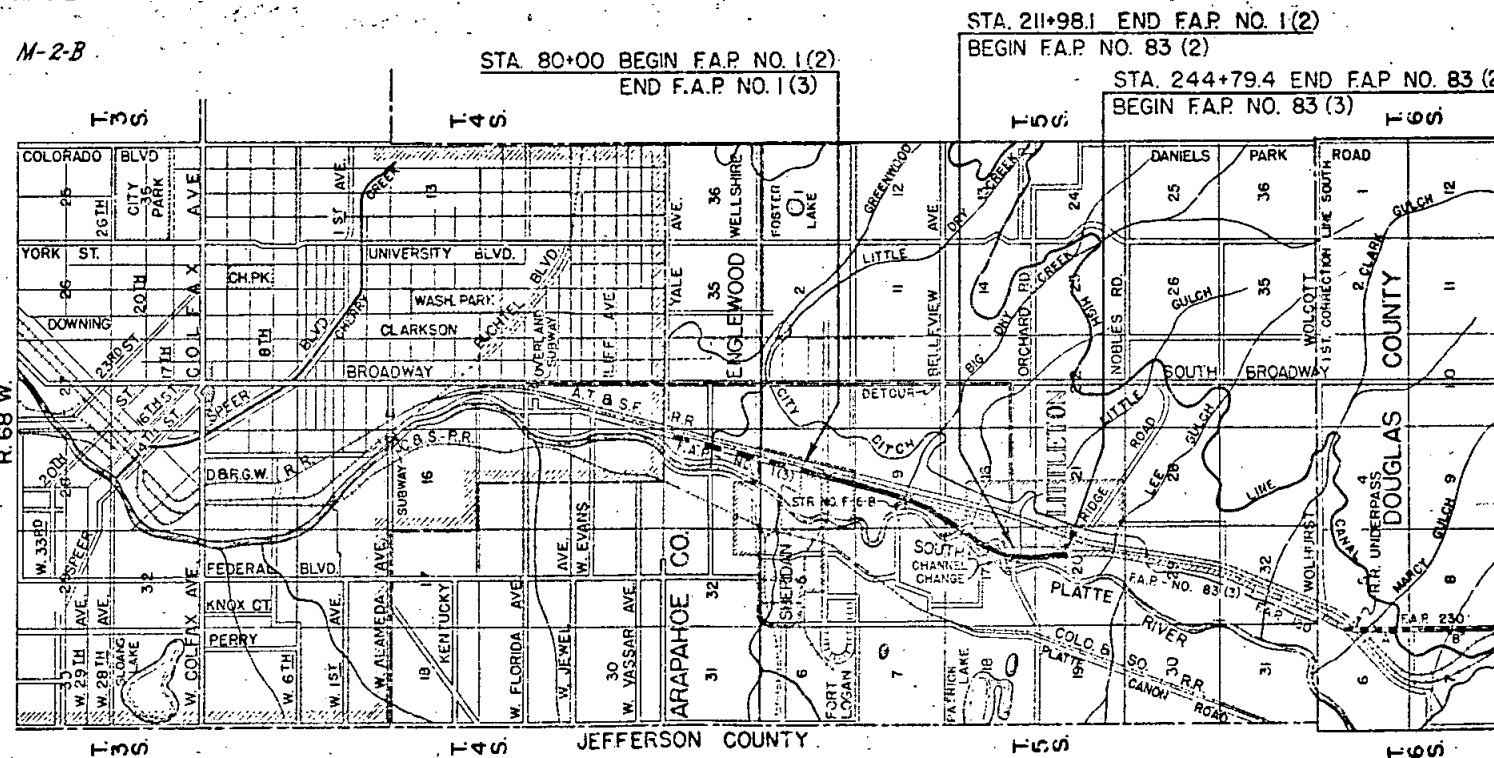
- 46-48. PLAN AND PROFILE SHEETS
- 107-122. CROSS SECTION SHEETS

- 22-A. REINFORCED CONCRETE CULVERT PIPE

M-112-C

COLORADO STATE HIGHWAY DEPARTMENT PLAN AND PROFILE OF PROPOSED COMB. FEDERAL AID PROJECTS NO. 1(2) & 83(2) STATE HIGHWAY NO. 1 ARAPAHOE COUNTY

SCALES ON ORIGINAL TRACINGS
ON PLAN, 1 IN. = 50 FT.
ON PROFILE, 1 IN. = 50 FT. HORIZONTAL
1 IN. = 10 FT. VERTICAL
GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD
FAP NO. 1(2) { GROSS LENGTH OF PROJECT } 13,981 FEET = 2.499 MILES
{ NET LENGTH OF PROJECT }
FAP NO. 83(2) { GROSS LENGTH OF PROJECT } 3281.3 FEET = 0.621 MILE
{ NET LENGTH OF PROJECT }



FED. ROAD DIST. NO.	STATE	COMB. FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	1(2) & 83(2)	1	

Revised 6-17-38 W.M.H.
Revised 4-26-39

Rev. 3, 17, 39 W.M.H.

CONVENTIONAL SIGNS

CENTER LINE OF SURVEY	402
RIGHT OF WAY LINE	
COUNTY LINE	
SECTION LINE	
ONE-QUARTER SECTION LINE	
FENCE	
POLE LINE	
RAILROAD	
PRESENT ROAD	

NOTE

It is recommended that bidders on this project go over the plan details with one of the following field representatives of this department.
E.E. Montgomery Division Eng. Denver, Colo.
B.T. Miller Resident

RECOMMENDED FOR APPROVAL 5/18/38

APPROVED
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

FED. ROAD DIST. NO.	STATE	FA PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	1(2)	34	

Rev. 6-17-38-H.J.S.

Rev. 11-22-38-H.J.S.

Rev. 3-17-39-H.J.S.

SE 1/4 Sec. 4
T. 5 S. - R. 68 W.

Sta. 83+55-92+15- Reqd. 150 Cu. Yds. Undl. Excav. for Ditch Change Rt.

NOTES :

All poles encroaching on construction are to be moved by owners.

Right of Way Markers are tabulated on	Sheet No. 10
Fencing and Gates	" " " " 10
Metal Plate Guard Fence is	" " " " 10
Timber Guard Posts are	" " " " 10
Private Signs to be removed are	" " " " 10

All buildings, houses, sheds etc, shown on Plans as encroaching on right of way have been or are being removed. Unless otherwise noted on Plans, this work is not a part of contract work.

Public Utilities on privately owned right of way, encroaching on new construction are to be moved by the owners as part of construction work and cost of this Project.

Headwalls of C.M.P. Culverts and Wingwalls of Concrete Box Culverts adjacent R.R. drainage structures or adjoining R.R. Grade shall be modified where necessary to fit construction requirements. These shall be constructed to line, grade, and dimension as staked by the Engineer.

NE 1/4 Sec. 4
T. 5 S. - R. 68 W.

Sta. 80+00 - Req'd - Project Marker.

Sfo. 80+00 - 82+80 - Req'd: Remove 498 Sq. Yds. Conc.
Pavement.

Sta. 82+07 - Reqd. - 2' x 2' x 102' Conc. Box Culvt. &
5 Cu. Yds. Uncl. Excav. for Inlet &
Remove 12" C.M.P. Culvt.

P.R. Mile Post # 6
Sta. 61+89.7

SHERIDAN

D. & R. G. W. - R. R.

STA. 80+00
BEGIN F.A.P. NO. 1(2)

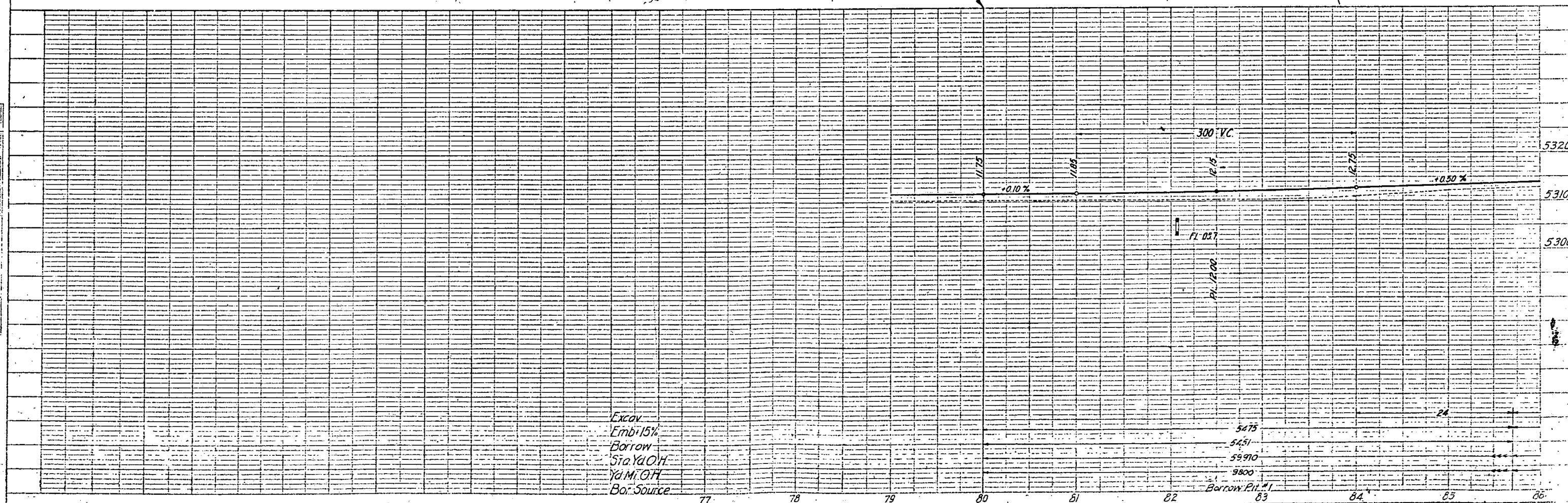
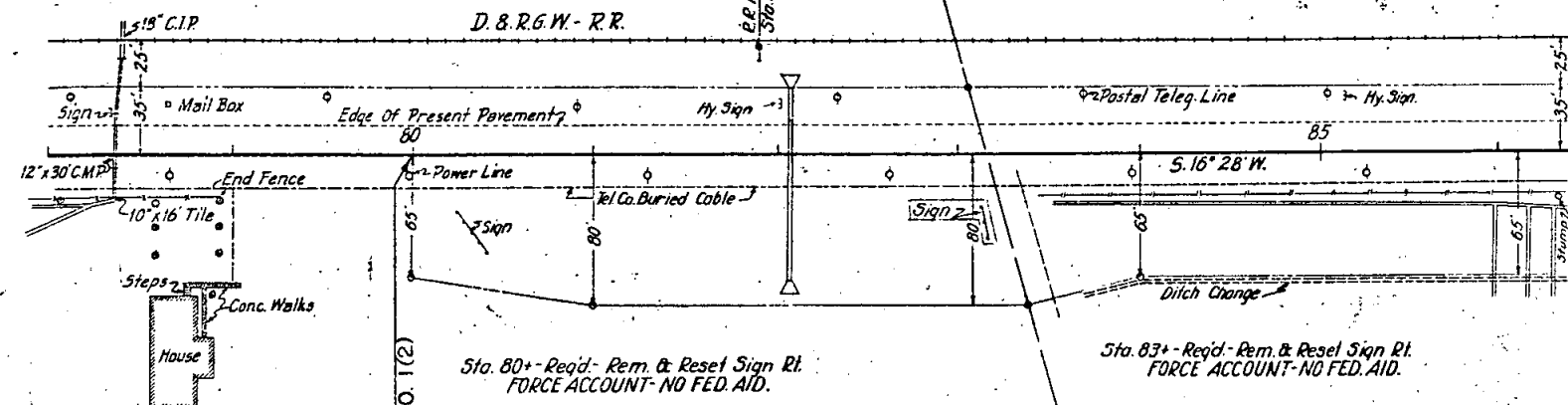
Sto. 80+-Req'd:- Rem. & Reset Sign Rt.
FORCE ACCOUNT- NO FED. AID.

Sta. 80+00-110+32.1-Req'd- Move Telegraph Line.
FORCE ACCOUNT- WORK BY TELEGRAPH CO. FORCES.

Sta. 83+ Req'd. Rem. Old Steel & Conc. sign foundations!

Sta. 83+ - Reg'd. - Rem. & Resel Sign Rt.
FORCE ACCOUNT-NO FED. AID.

Sta. 83+40 - Req'd. - 250 Cu Yds. Embank. for Road Appr. Rt.



SE 1/4 Sec. 4
T. 55 - R. 68 W.

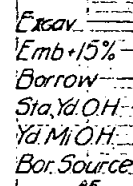
Rev. 6-17-38. H.J.S.
Rev. 11-22-38. H.J.S.
Rev. 3-17-39. H.J.S.

Sta. 95+29 - Req'd - Construct Railroad Crossing
(FORCE ACCOUNT - WORK BY R. R. CO. FORCES)

Sta. 96+82.4-Req'd- 100 Cu. Yds. Embank
for Rd. Appr. Rt. & Lt.

$$\begin{aligned}\Delta &= 4^{\circ}45' \\ D &= 1^{\circ}00' \\ T &= 237.6' \\ L &= 475.0' \\ R &= 5730'\end{aligned}$$

SW 1/4 Sec. 4
T. 5 S. - R. 68 W.



SE 1/4 Sec. 4
T. 5 S. - R. 68 W.

NE 1/4 Sec. 9
T. 5 S. - R. 68 W.

Rev. 3-17-39 H.J.S.

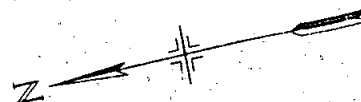
FED. ROAD DIST. NO.	STATE	P.A. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	1(2)	36	

Rev. 6-17-38 H.J.S. Rev. 11-22-38 H.J.S.

Sta. 100+80 - Reqd. - Construct Railroad Crossing.
FORCE ACCOUNT - WORK BY R.R. CO. FORCES.

Sta. 100+ - 101+ - Reqd. - Remove & Rebuild Military Sub.
Station Rt.
FORCE ACCOUNT - WORK BY POWER CO. FORCES.

SHERIDAN



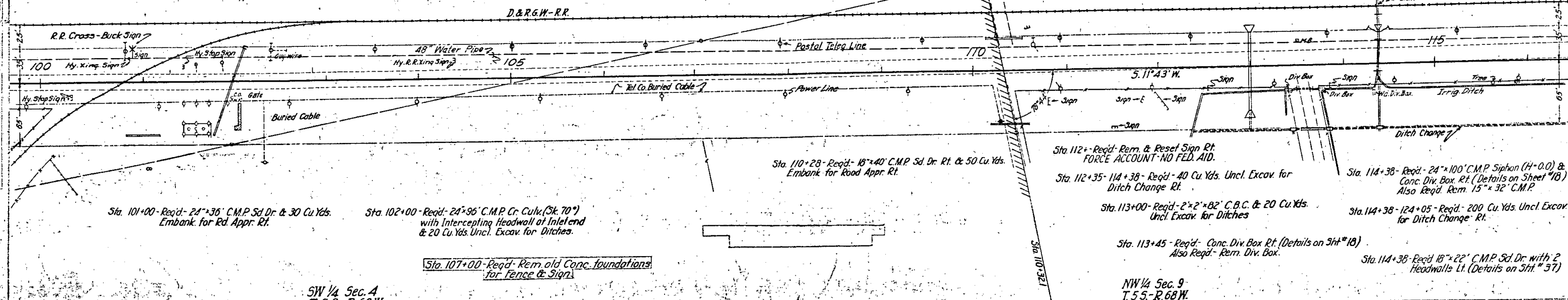
Sta. 110+40 - Reqd. - 18" x 40" C.M.P. Sd. Dr. Lt. & 50 Cu. Yds.
Embank. for Road Appr. Lt.

Sta. 113+58 - Reqd. - 18" x 32" C.M.P. Sd. Dr. Rt. & 50 Cu. Yds.
Embank. for Rd Appr. Rt. Also Reqd. Rem.
Conc. Box.

Sta. 114+36 - 114+20 - Reqd. - Remove 8 Sq. Yds. Conc. Pavement.
Sta. 110+321 - 110+60 - " 50 " "
Sta. 110+321 - 139+ Reqd. - Move Telegraph Line
FORCE ACCOUNT - WORK BY TELEGRAPH CO. FORCES.

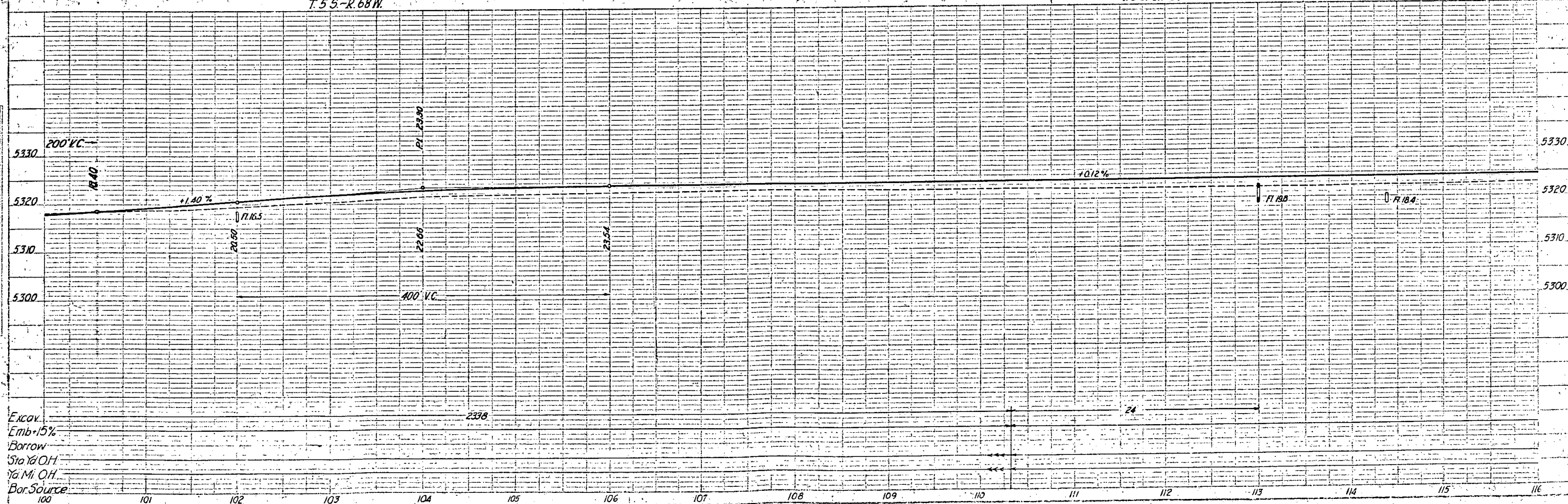
Sta. 113+85 - Reqd. - Conc. Div. Box Rt. (Details on Sht. #18)
& Remove Conc. Div. Box

Sta. 114+33 - Reqd. - Rem. Wood Div. Box Rt.



SW 1/4 Sec. 4
T. 5 S. - R. 68 W.

NW 1/4 Sec. 9
T. 5 S. - R. 68 W.



Excav.
Emb. 15%
Borrow
Sta. 16 OH
16 MI. OH
Bar Source

Sta. 117+34 - Req'd - Remove Conc. Ditch Wall Rt.

Sta. 117+36 - Req'd - 18" x 100' C.M.P. Siphon (H=15) with Std. Headwall Lt. & Conc. Div. Box Rt. (Details on Sheet #18)
Also Req'd - Remove 15' x 32' C.M.P.

Sta. 117+36 - Req'd - 18" x 30' C.M.P. Sd. Dr. with 2 Headwalls Lt. (Details on this Sht.)

Sta. 118+08 - Req'd - Conc. Div. Box Rt. (Details on Sht. #18) & Rem. Wd. Box Rt.

Sta. 118+26 - Req'd - Rem. Wood Box Rt.

Sta. 118+80 - Req'd - Conc. Div. Box Rt. (Details on Sht. #18)

Sta. 116+10 - 120+50 - Req'd - Remove 782 Sq. Yds. Conc. Pavement.
Sta. 122+10 - 127+65 - Req'd - 987
Sta. 127+65 - 136+75 - Req'd - 1619

NW 1/4 Sec. 9
T. 5 S. - R. 68 W.

Sta. 126+14 - Req'd - Conc. Div. Box Rt. (Details on Sht. #18)

Sta. 126+30 - Req'd - 2-18" x 26' C.M.P. Sd. Drs. Rt. & 40 Cu. Yds. Embank. for Rd. Appr. Rt.

Sta. 126+80 - Req'd - Conc. Div. Box Rt. (Details on Sht. #18) & Rem. Wd. Stop.

Sta. 126+71 - Req'd - Rem. 2 Wd. Stops & Wd. Div. Box Rt.

Sta. 126+85 - 128+75 - Req'd - 30 Cu. Yds. Uncl. Excav. for Ditch Change Rt.

Sta. 127+65 - Req'd - Conc. Div. Box Rt. (Details on Sht. #18)

Sta. 128+00 - Req'd - 2-18" x 26' C.M.P. Sd. Drs. Rt. & 40 Cu. Yds. Embank. for Rd. Appr. Rt. Also Req'd - Rem. Conc. Sd. Dr. Wood Box, Wd. Platform, Ditch Stop & Timber Ditch Wall. Rt.

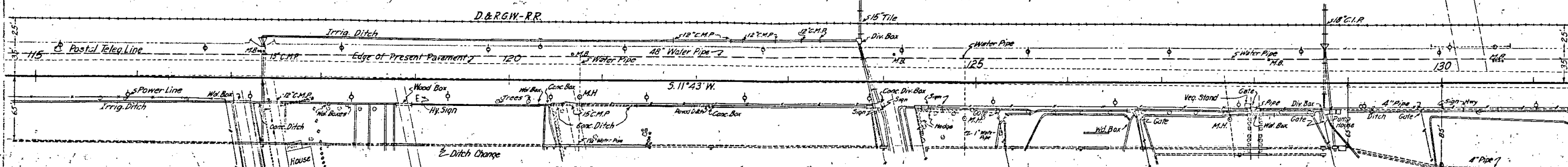
Sta. 128+79 - Req'd - Conc. Div. Box Rt. (Details on Sht. #18) & Rem. Div. Box.

Sta. 128+82 - Req'd - 18" x 101' C.M.P. Siphon (H=20) (Sk. 84) & Rem. 12' x 22' x 32' Conc. Box Culvert.

Sta. 128+76 - Req'd - Conc. Div. Box Rt. (Details on Shts. #19 & 20)

Sta. 128+84 - 129+00 - Req'd - Conc. Div. Box & Pump House Rt. (Details on Shts. #19 & 20) & Remove & Reset Pumping Plant Rt. Also Req'd - Remove 35' x 35' Conc. Box & 4.3' x 5' Conc. Pump House.

FED. ROAD DIST. NO.	STATE	F. A. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	1 (2)	37	



Sta. 117+09 - Req'd - 18" x 26' C.M.P. Sd. Dr. Rt. & 30 Cu. Yds. Embank. for Rd. Appr. Rt. Also Req'd - Rem. 15' x 14' Wd. Box Rt.

Sta. 117+52 - Req'd - 18" x 60' C.M.P. Sd. Dr. & 30 Cu. Yds. Embank. for Rd. Appr. Rt. Also Req'd - Rem. 12" C.M.P. Sd. Dr.

Sta. 118+90 - Req'd - 18" x 26' C.M.P. Sd. Dr. Rt. & 50 Cu. Yds. Embank. for Rd. Appr. Rt. Also Req'd - Rem. 1' x 16' Wd. Box Sd. Dr. Rt.

Sta. 120+36 - 120+54 - Req'd - Conc. Div. Box Rt. (Details on Sht. #18) & Rem. Wd. Box & Conc. Div. Box & Ditch. Also Req'd - 15' x 8' C.M.P.

Sta. 120+62 - Req'd - Conc. Div. Box Rt. (Details on Sht. #18)

Sta. 120+80 - 121+36 - Req'd - Rem. Conc. Ditch Wall. Rt.

Sta. 120+80 - Req'd - 15' x 30' C.M.P. Sd. Dr. & 30 Cu. Yds. Embank. for Rd. Appr. Rt. Also Req'd - Rem. 15' x 20' Sd. Dr.

Sta. 122+15 - Req'd - Conc. Div. Box Rt. (Details on Sht. #18) & Rem. Conc. Div. Box.

Sta. 122+00 - Req'd - Rem. 15' Conc. Block Ditch Wall Rt.

Sta. 124+15 - 128+75 - Req'd - 30 Cu. Yds. Uncl. Excav. for Ditch Change Rt.

Sta. 123+83 - Req'd - 18" x 104' C.M.P. Cr. Culvert (Sk. 79) & 50 Cu. Yds. Uncl. Excav. for Ditches & Rem. 15' x 30' C.M.P.

Sta. 123+95 - Req'd - Conc. Div. Box Rt. (Details on Sht. #18) & Rem. Conc. Div. Box.

Sta. 124+07 - Req'd - 30 Cu. Yds. Embank. for Rd. Appr. Rt.

Sta. 124+50 - Req'd - Conc. Div. Box Rt. (Details on Shts. #19 & 20)

Sta. 124+40 - Req'd - Rem. Wd. Stop Rt.

Sta. 124+90 - Req'd - Conc. Div. Box (Details on Sht. #18)

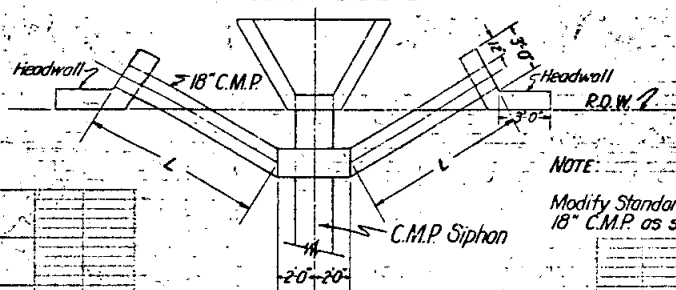
Sta. 125+40 - Req'd - Conc. Div. Box (Details on Sht. #18) Also Req'd - Rem. Wd. Stop Rt.

Sta. 128+90 - 133+51 - Req'd - Reby 465' of 4" Pipe Rt.

Sta. 128+95 - 133+55 - Req'd - 50 Cu. Yds. Uncl. Excav. for Ditch Change Rt.

Sta. 129+85 - 133+55 - Req'd - 40 Cu. Yds. Uncl. Excav. for Ditch Change Rt.

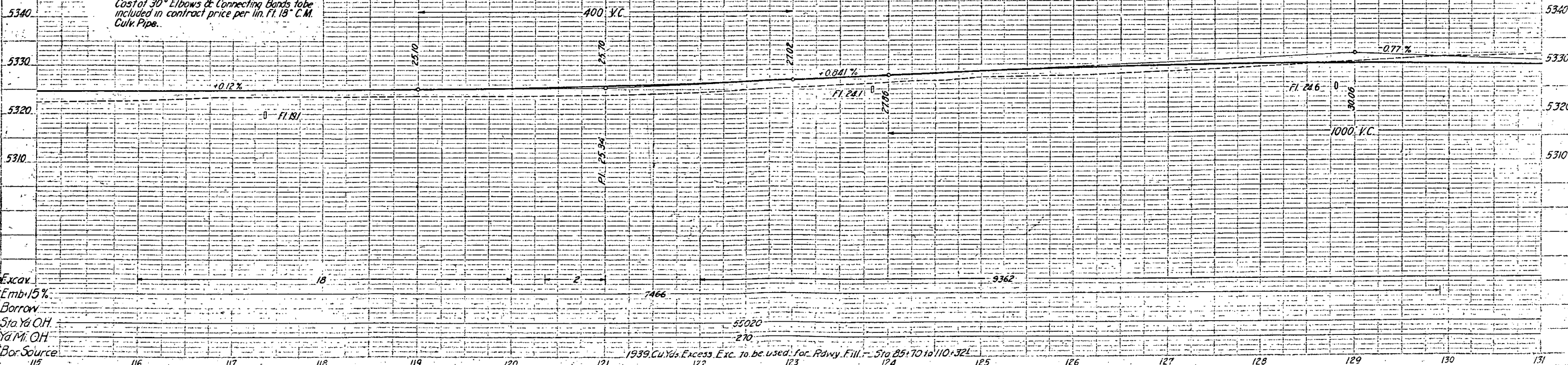
DETAIL C.M.P. SIDE DRAIN.



NOTE

Modify Standard Type 'A' headwall for 18" C.M.P. as shown above.

Sta. 114+38 - L=9'-0" (Sht. #36)
Sta. 117+36 - L=13'-0" (This Sht.)
Cost of 30° Elbows & Connecting Bands to be included in contract price per lin. ft. 18" C.M. Culv. Pipe.



Excav.

Emb. 15%

Borrow

Sta. 84 OH

Sta. 84 OH

Sta. 84 OH

Sta. 84 OH

Sta. 84 OH

Sta. 84 OH

PLAN
PROFILE
DATE
BY
CHECKED
APPROVED
REVISIONS
NO. 1
NO. 2
NO. 3
NO. 4
NO. 5
NO. 6
NO. 7
NO. 8
NO. 9
NO. 10
NO. 11
NO. 12
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NO. 95
NO. 96
NO. 97
NO. 98
NO. 99
NO. 100

Sta. 130+29 - Reqd. 40 Cu Yds. Embank. for Rd. Appr. Lt.

N.W. 1/4 Sec. 9
T.55 R.68 W.

Sta. 135+~144+ - Rem. & Repl. 3 Signs Rt. & Lt.
FORCE ACCOUNT - NO FED. AID.

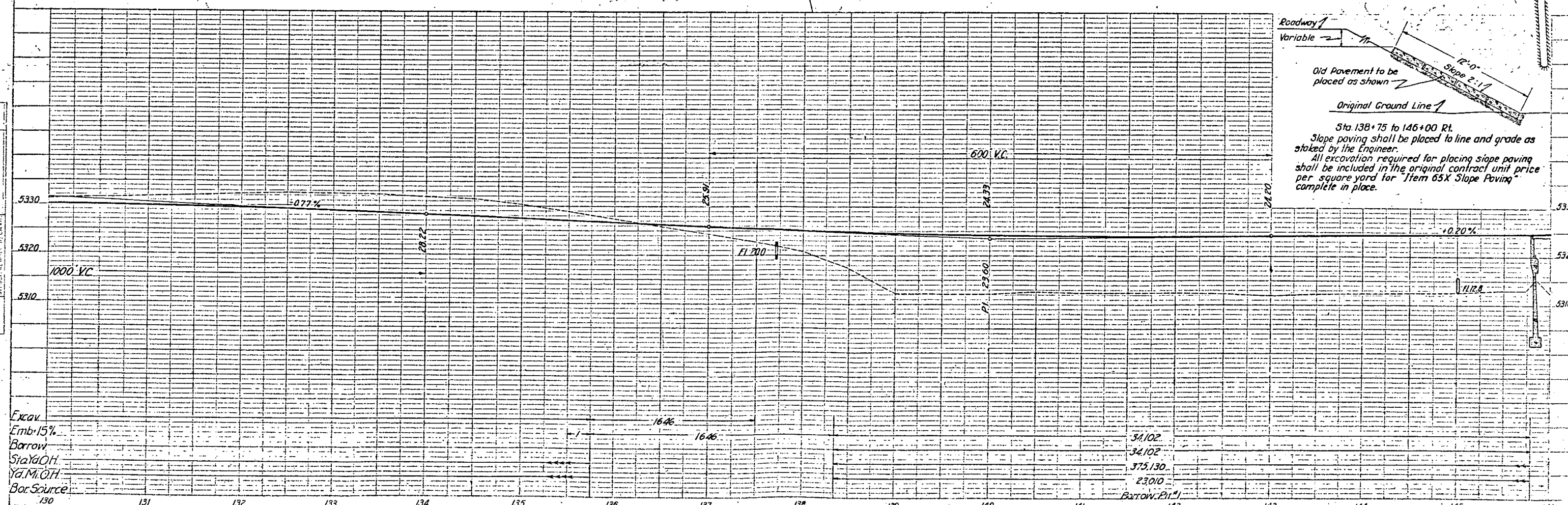
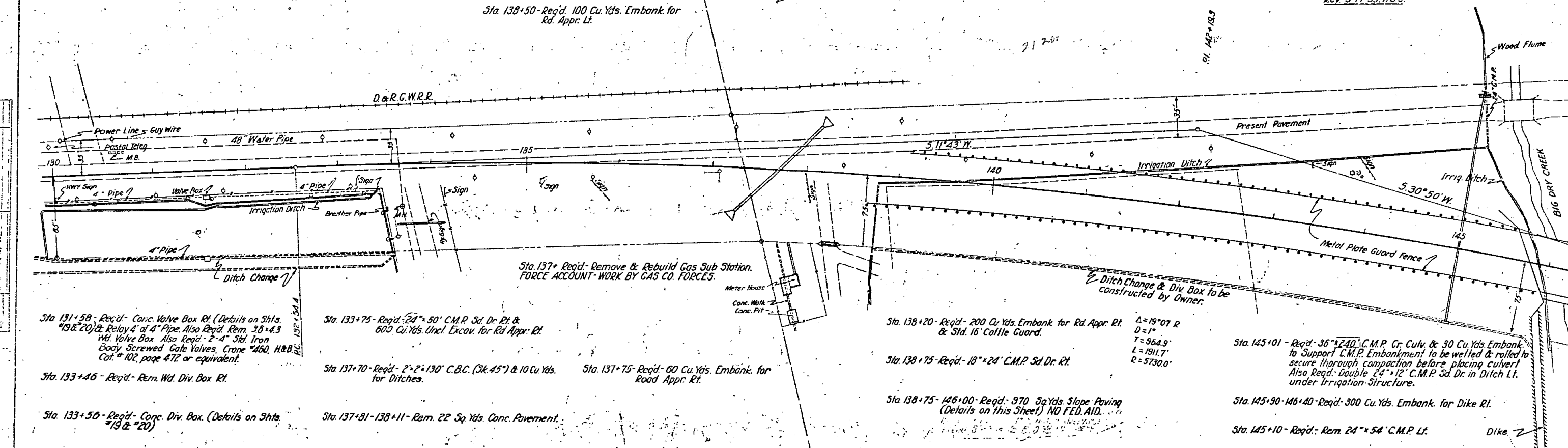
Sta. 138+50 - Reqd. 100 Cu Yds. Embank. for Rd. Appr. Lt.

S.W. 1/4 Sec. 9
T.55 R.68 W.

Sta. 140+00-145+25 - Reqd. Rem. 580 Sq Yds. Conc. Pavement Lt.

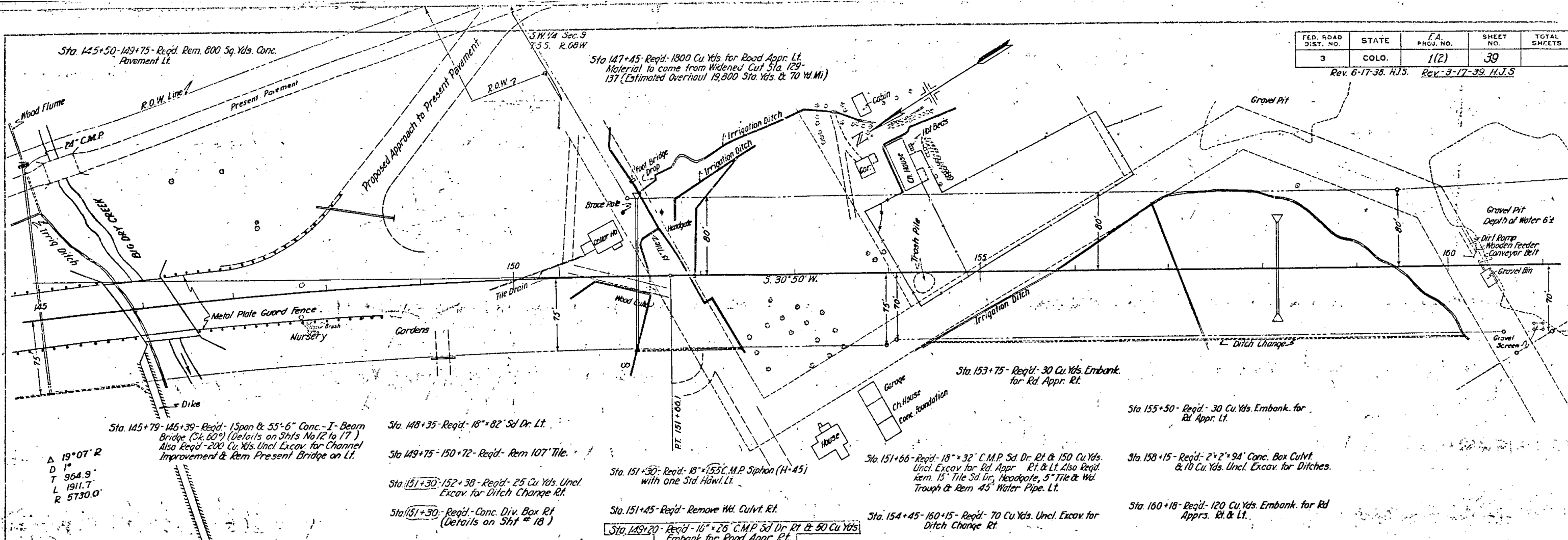
FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	1(2)	38	

Rev. 6-17-38, H.J.S.
Rev. 3-17-39, H.J.S.



FED. ROAD DIST. NO.	STATE	P.A. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	1(2)	39	

Rev. 6-17-38. H.J.S. Rev. 3-17-39. H.J.S.

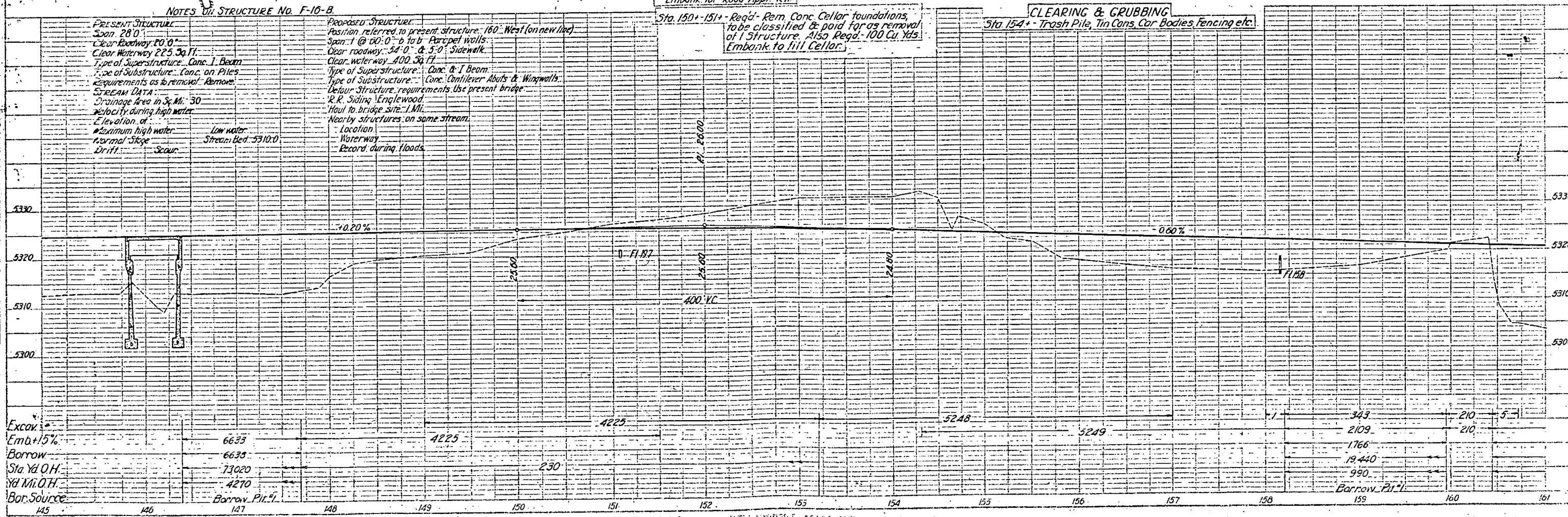


NOTES ON STRUCTURE NO. F-10-B

PRESENT STRUCTURE
 Span 28'0"
 Clear Roadway 20'0"
 Clear Waterway 22'5" Sq. Ft.
 Type of Superstructure: Conc. T-Beam
 Type of Substructure: Conc. on Piles
 Requirements as to removal: Remove.
STREAM DATA
 Drainage Area in Sq. Mi. 30
 Velocity during high water
 Elevation of
 Maximum high water
 Normal Stage
 Drift: Scour

PROPOSED STRUCTURE
 Position referred to present structure: 160' West (on new line)
 Span: 1 @ 60'-0" - 6 to 6' Parapet walls.
 Clear roadway: 34'-0" & 5'-0" Sidewalk.
 Clear waterway: 400' Sq. Ft.
 Type of Superstructure: Conc. & T-Beam
 Type of Substructure: Conc. Cantilever Abutts & Wingwalls.
 Detail Structure requirements use present bridge.
 R.R. Siding: Englewood
 Haul to bridge site: 1 Mi.
 Nearby structures on same stream.
 Location
 Waterway
 Record during floods.

CLEARING & GRUBBING
 Sta 154+ - Trash Pile, Tin Cans, Car Bodies, Fencing etc.



SW 1/4 Sec. 9
T.55. R.68W.

NW 1/4 Sec. 16
T.55. R.68W.

FED. ROAD DIST. NO.	STATE	F.A. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	1 (2)	40	

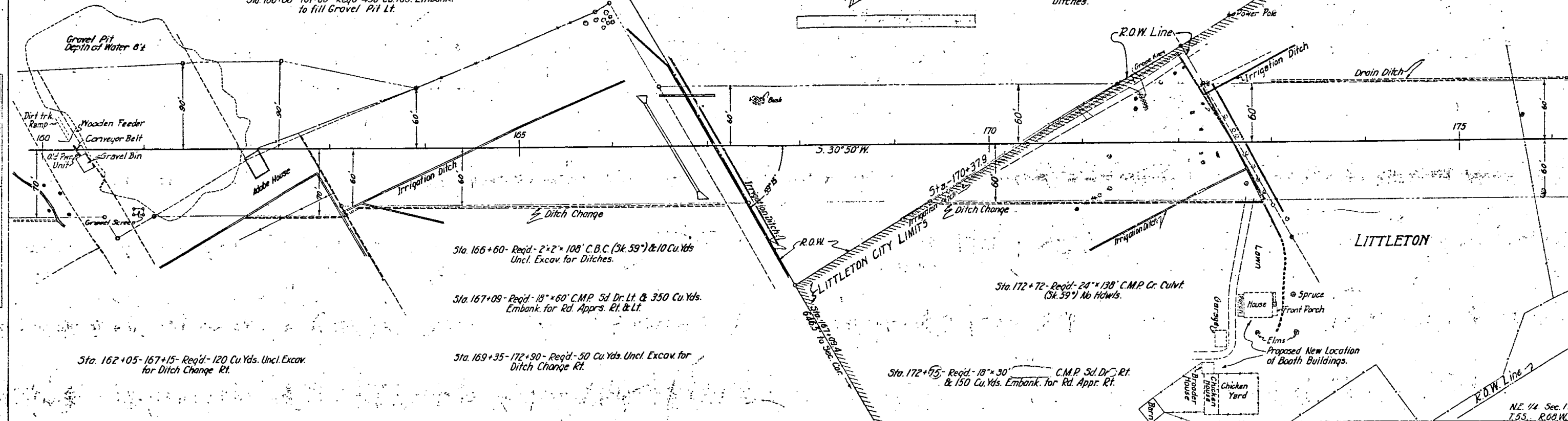
Rev. 3-17-39. H.J.S.

Sta. 160+60-161+80 - Reqd. 450 Cu.Yds. Embank. to fill Gravel Pit Lt.

Sta. 172+20 - Reqd. Rem. Wd. Box Sd. Dr. Rt.

Sta. 172+59 - Reqd. 24"x138" C.M.P. Cr. Culvt. (Sk. 59") No Hdwl's. & 40 Cu. Yds. Uncl. Excav. for Ditches.

Sta. 173+00-177+00 - Reqd. 50 Cu. Yds. Uncl. Excav. for Dr. Ditch Lt.



Sta. 166+60 - Reqd. 2'x2'x108" C.B.C. (Sk. 59") & 10 Cu.Yds. Uncl. Excav. for Ditches.

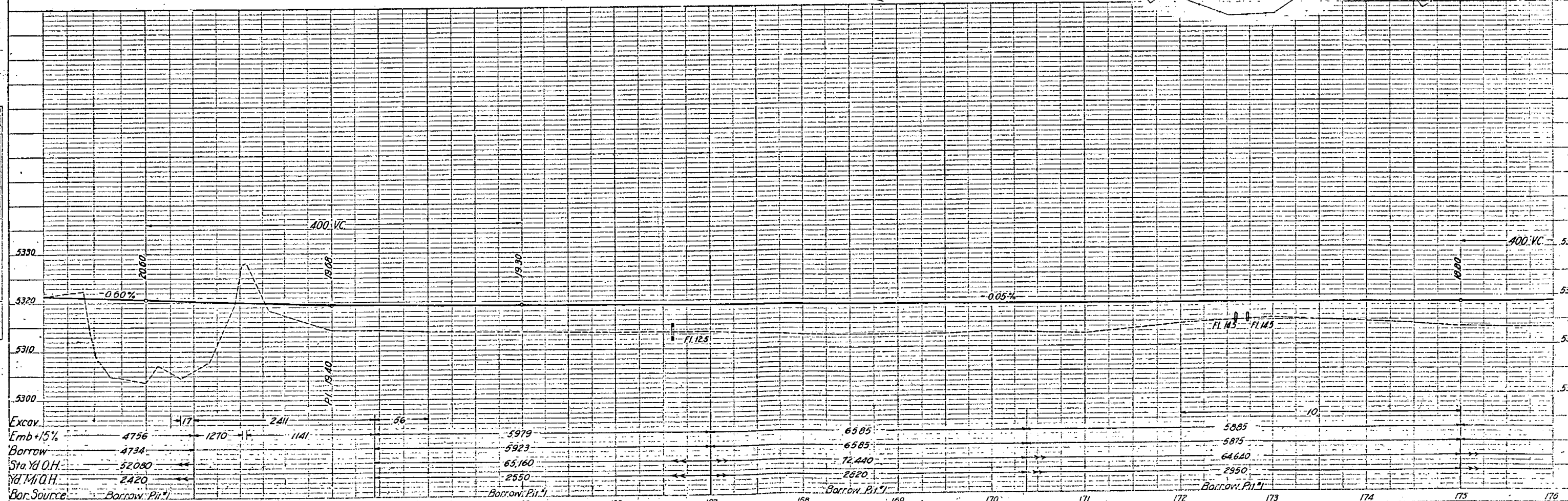
Sta. 167+09 - Reqd. 18"x60" C.M.P. Sd. Dr. Lt. & 350 Cu.Yds. Embank. for Rd. Apprs. Rt. & Lt.

Sta. 169+35-172+90 - Reqd. 50 Cu.Yds. Uncl. Excav. for Ditch Change Rt.

Sta. 172+72 - Reqd. 24"x138" C.M.P. Cr. Culvt. (Sk. 59") No Hdwl's.

Sta. 172+95 - Reqd. 18"x30" C.M.P. Sd. Dr. Rt. & 150 Cu.Yds. Embank. for Rd. Appr. Rt.

Sta. 162+05-167+15 - Reqd. 120 Cu.Yds. Uncl. Excav. for Ditch Change Rt.



PLAN	PROFILE
NO. 1	NO. 1
NO. 2	NO. 2
NO. 3	NO. 3
NO. 4	NO. 4
NO. 5	NO. 5
NO. 6	NO. 6
NO. 7	NO. 7
NO. 8	NO. 8
NO. 9	NO. 9
NO. 10	NO. 10

MICROFILMED

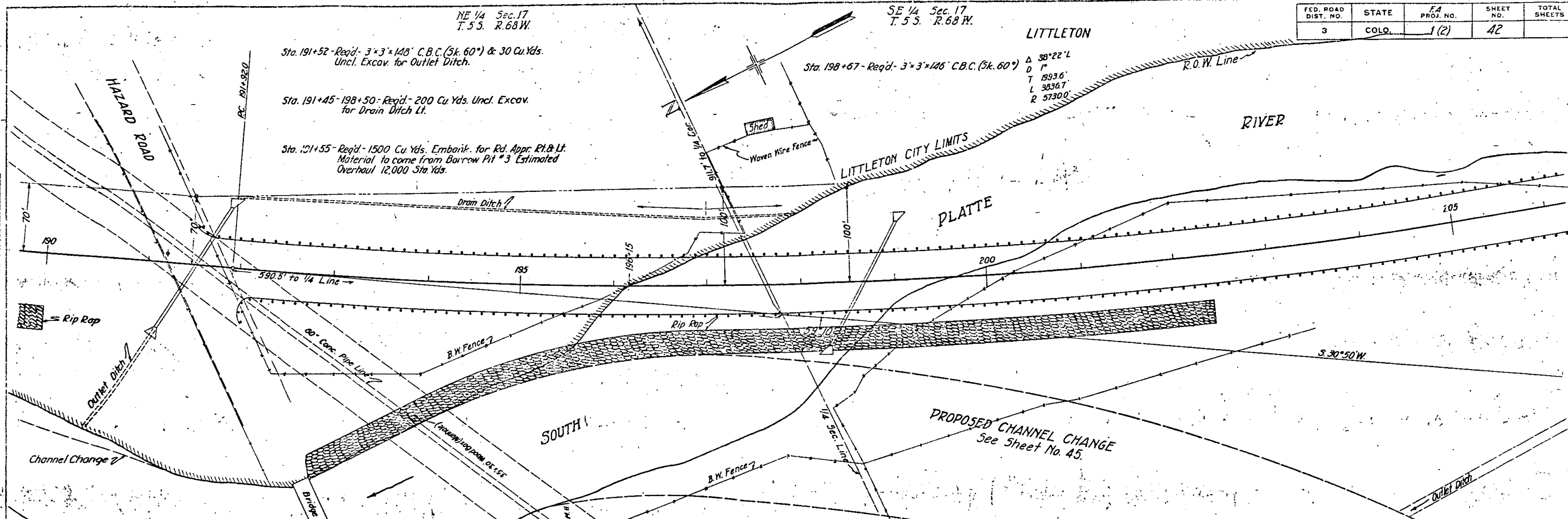
PROFILE	PLAN
NO. 1	NO. 1
NO. 2	NO. 2
NO. 3	NO. 3
NO. 4	NO. 4
NO. 5	NO. 5
NO. 6	NO. 6
NO. 7	NO. 7
NO. 8	NO. 8
NO. 9	NO. 9
NO. 10	NO. 10

MICROFILMED

PLAN	10
DATE	10/10/50
BY	W. H. H. H.
CHECKED	W. H. H. H.
APPROVED	W. H. H. H.

PROFILE	10
DATE	10/10/50
BY	W. H. H. H.
CHECKED	W. H. H. H.
APPROVED	W. H. H. H.

FED. ROAD DIST. NO.	STATE	FA PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	1 (2)	42	



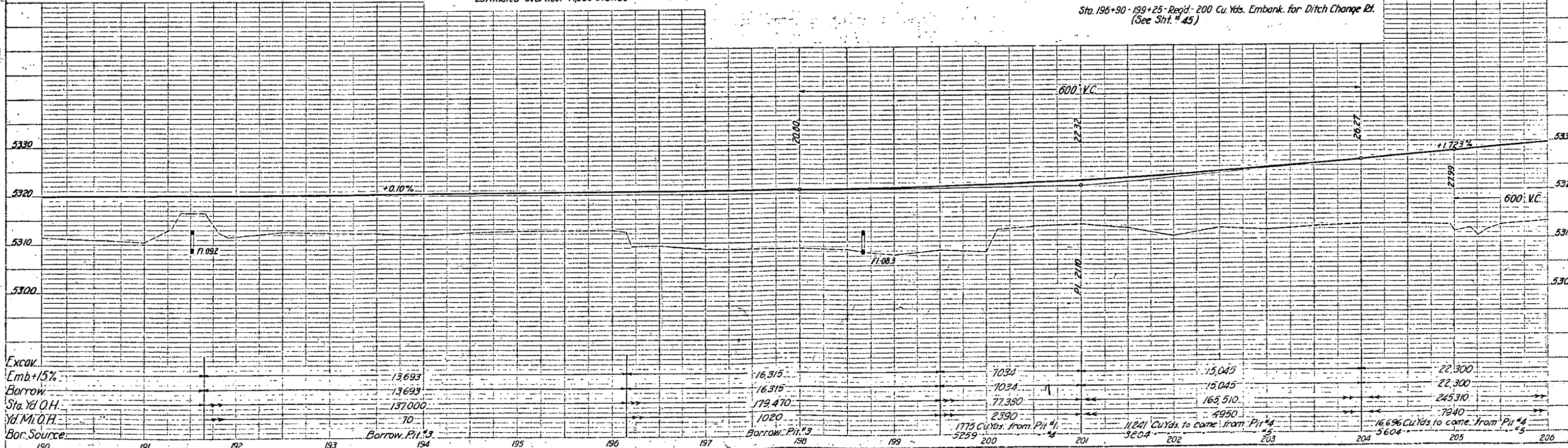
Sta. 189+00-193+20 - Req'd - 400 Cu. Yds. Heavy Rip Rap Rt. on West Bank of River (Outside City Limits of Littleton) See Sht. # 44

Sta. 192+90-195+20 - Req'd - 2300 Cu. Yds. Embank. & 490 Cu. Yds. Heavy Rip Rap Rt. Embank. Material to come from Borrow Pit #3 Estimated Overhaul 17000 Sta. Yds.

Sta. 192+90-212+30 - Req'd - 70000 Cu. Yds. Uncl. Excav. for Channel Changes Rt. (Material to be used for Roadway Embank. and is included for payment in Profile Quantities as Borrow Details on Shts. #44 & #45)

Sta. 195+20-202+40 - Req'd - 2900 Cu. Yds. Embank. & 1460 Cu. Yds. Heavy Rip Rap Rt. (Details on Shts. #44 & #45) Embank. Material to come from Borrow Pit #3 Estimated Overhaul 30000 Sta. Yds. & 100 Yd. Mi.

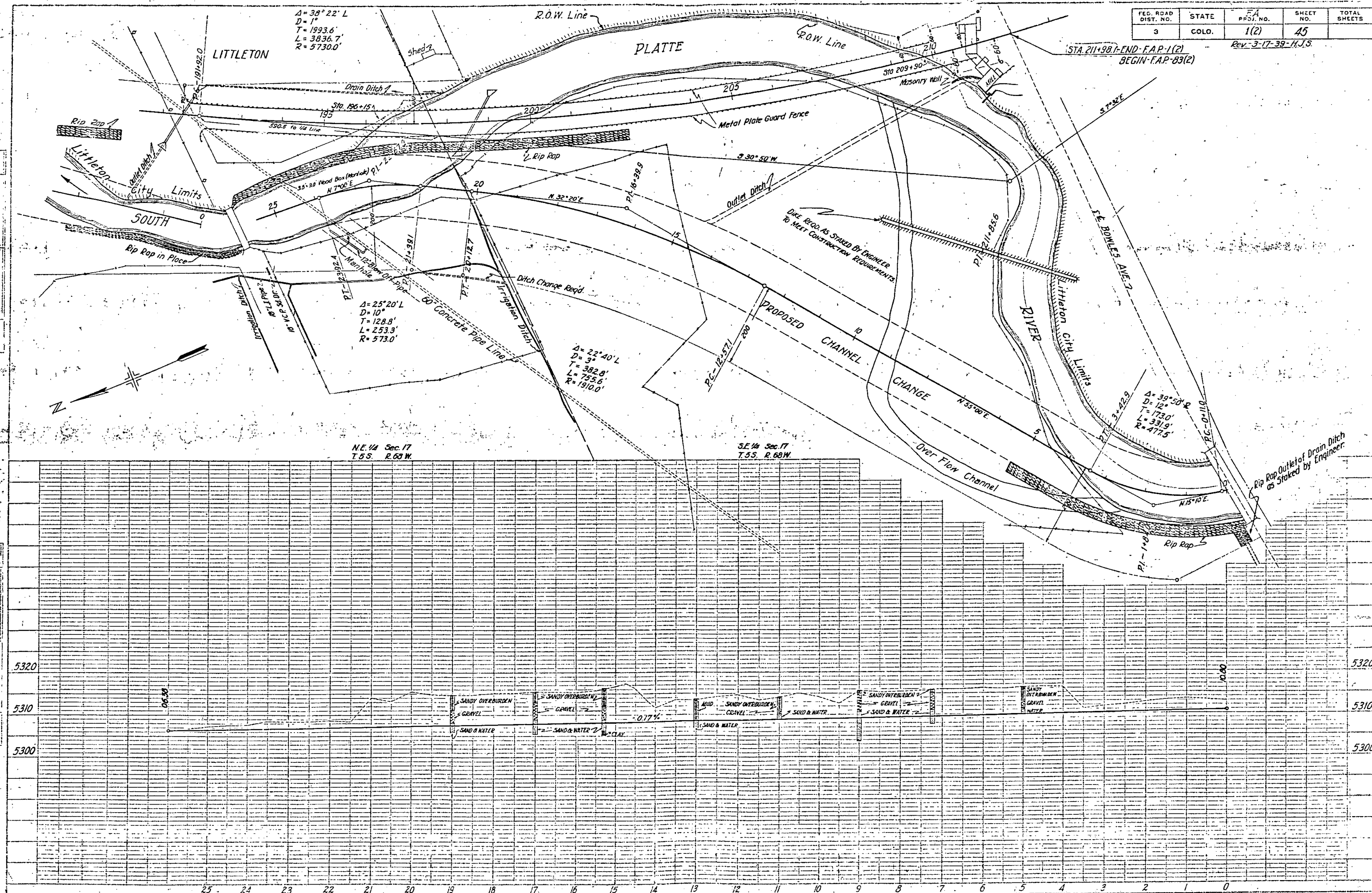
Sta. 196+90-199+25 - Req'd - 200 Cu. Yds. Embank. for Ditch Change Rt. (See Sht. # 45)



FED. ROAD DIST. NO.	STATE	F.A. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	1(2)	45	

Rev. 3-17-39-H.J.S.

STA. 211+98.1-END F.A.P. 1(2)
BEGIN F.A.P. 83(2)



FED. ROAD DIST. NO.	STATE	F.A. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	83 (2)	46	

REV. 6-17-38-H.J.S. REV. 5-17-39-H.J.S.

NOTES:
All poles encroaching on construction are to be moved by owners.
Right of Way Markers are tabulated on Sheet No. 4 Fencing and Gates

Δ 33° 22' L
D 1"
T 1993.6'
L 3036.7'
R 5730.0'

S.E. 1/4 Sec. 17
T.55. R.68 W.

LITTLETON

Sta. 212+75 to 218+50 - Reqd. 575 ft. Metal Plate Guard Fence Rt. Lt.
Sta. 216+00 to 217+25 - Reqd. 125

Sta. 222+65 - Reqd. Rem. Sid. Dr. Lt. (12" x 20")
Sta. 222+80 - Reqd. Rem. Conc. Curbing Lt. to be classified & paid for as removal of structure.

Sta. 214+00 - 216+00 - Reqd. 5 Timber Gd. Posts Lt. (50' C to C)
Sta. 217+50 - 231+50 - Reqd. 29
Sta. 219+00 - 244+50 - Reqd. 52 Rt. (" " ")

Sta. 212+31 - Reqd. Rem. 207 Lin. Ft. Conc. Curb & Gutter.
Sta. 212+36 - Reqd. Rem. 200 Lin. Ft. Sidewalk.
Sta. 212+ - 213+ - Reqd. Rem. Old Conc. Swimming Pool.
Sta. 212+70 - Reqd. Rem. 34' of 8" Tile Rt.

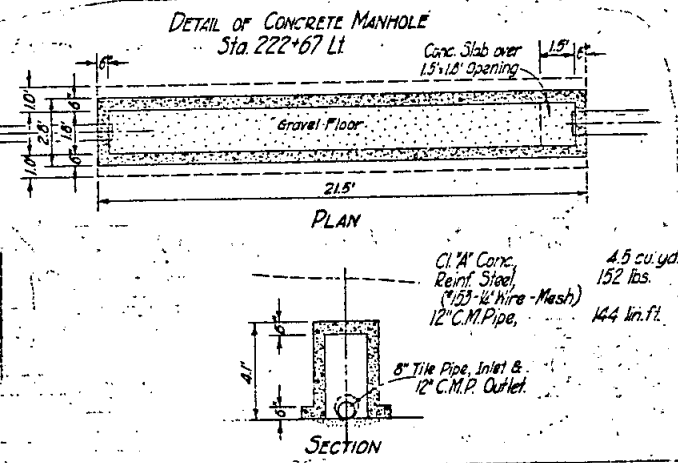
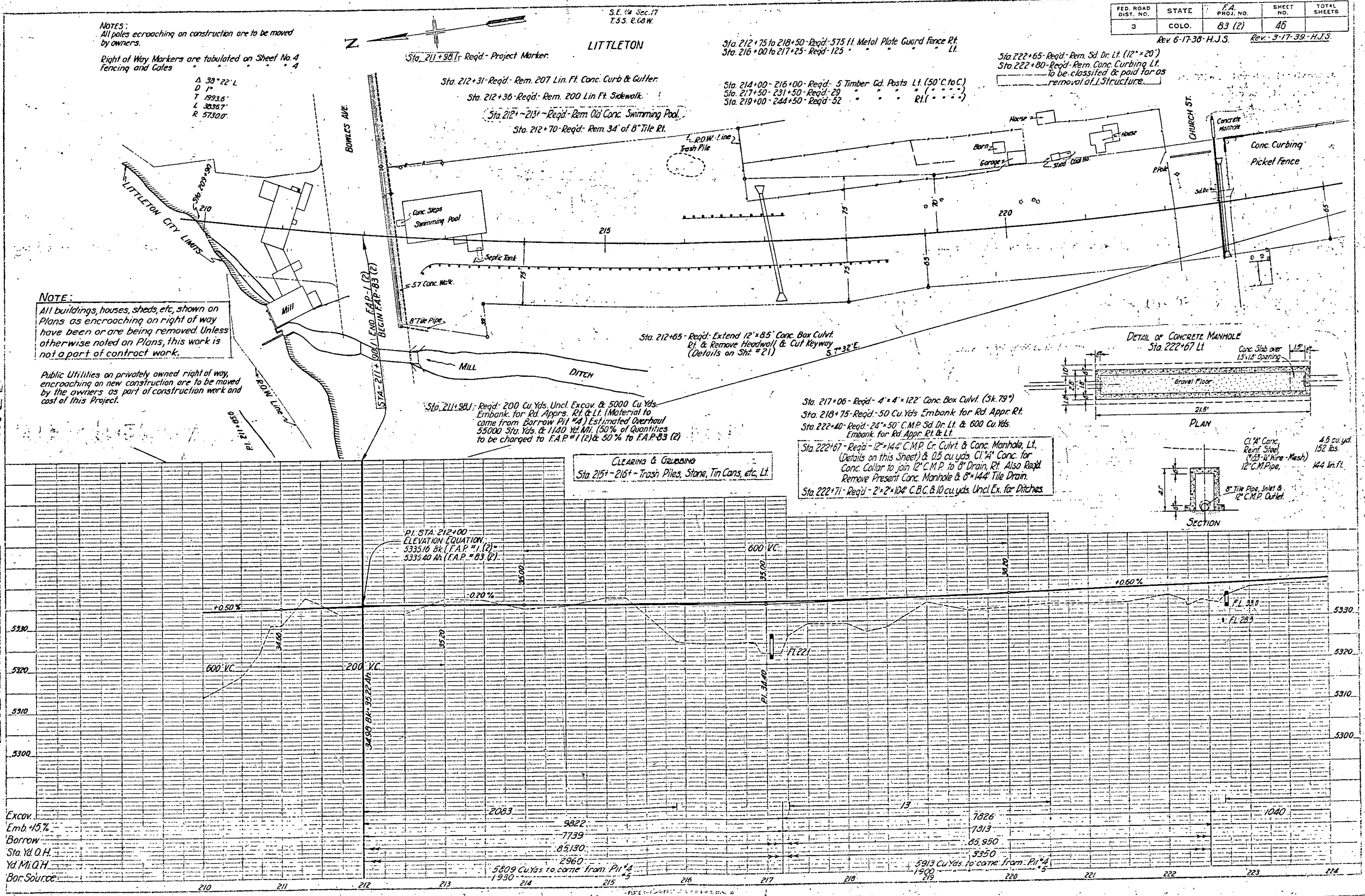
NOTE:
All buildings, houses, sheds, etc, shown on Plans as encroaching on right of way have been or are being removed. Unless otherwise noted on Plans, this work is not a part of contract work.

Public Utilities on privately owned right of way, encroaching on new construction are to be moved by the owners as part of construction work and cost of this Project.

PLAN
CHECKED
DATE
BY

ENCROACHMENT

PHYSICAL
CHECKED
DATE
BY



CLEARING & GRUBBING
Sta. 215+ - 216+ - Trash Piles, Stone, Tin Cans, etc, Lt.

PI. STA. 212+00
ELEVATION EQUATION
5335.16 Bk. (F.A.P. #1 (2))
5335.40 Aft. (F.A.P. #83 (2))

Excav.
Emb. +15%
Borrow
Sta. Yd. O.H.
Yd. M.O.H.
Bor. Source

2083	9822	7826	1040
7739	7913		
65130	65950		
2960	3350		
5809 Cu.Yds to come from Pit #4	5913 Cu.Yds to come from Pit #4		
1930	1900		

APPROVED

S.E. 1/4 Sec. 17
T.5S. R.68W.

Δ 38°22' L
D 1"
T 1993.6'
L 3836.7'
R 5730.0'

Sta. 224+95-Reqd. Rem. 12'-4" Tile Pipe Lt.

LITTLETON

N.E. 1/4 Sec. 20
T.5S. R.68W.

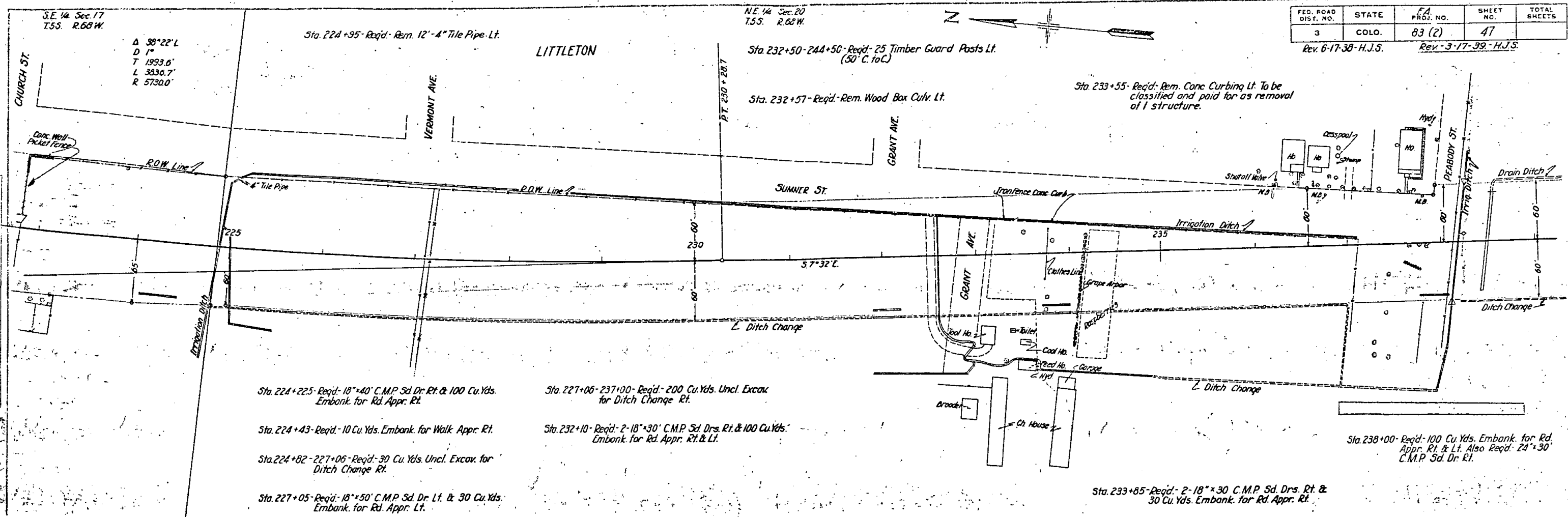
Sta. 232+50-244+50-Reqd. 25 Timber Guard Posts Lt.
(50' C. to C.)

Sta. 232+57-Reqd. Rem. Wood Box Culv. Lt.

Sta. 233+55-Reqd. Rem. Conc. Curbing Lt. To be
classified and paid for as removal
of 1 structure.

FED. ROAD DIST. NO.	STATE	FA PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	83 (2)	47	

Rev. 6-17-30-H.J.S. Rev. 3-17-39-H.J.S.



Sta. 224+225-Reqd. 18" x 40" C.M.P. Sd. Dr. Rt. & 100 Cu. Yds.
Embank. for Rd. Appr. Rt.

Sta. 227+06-237+00-Reqd. 200 Cu. Yds. Uncl. Excav.
for Ditch Change Rt.

Sta. 224+43-Reqd. 10 Cu. Yds. Embank. for Walk Appr. Rt.

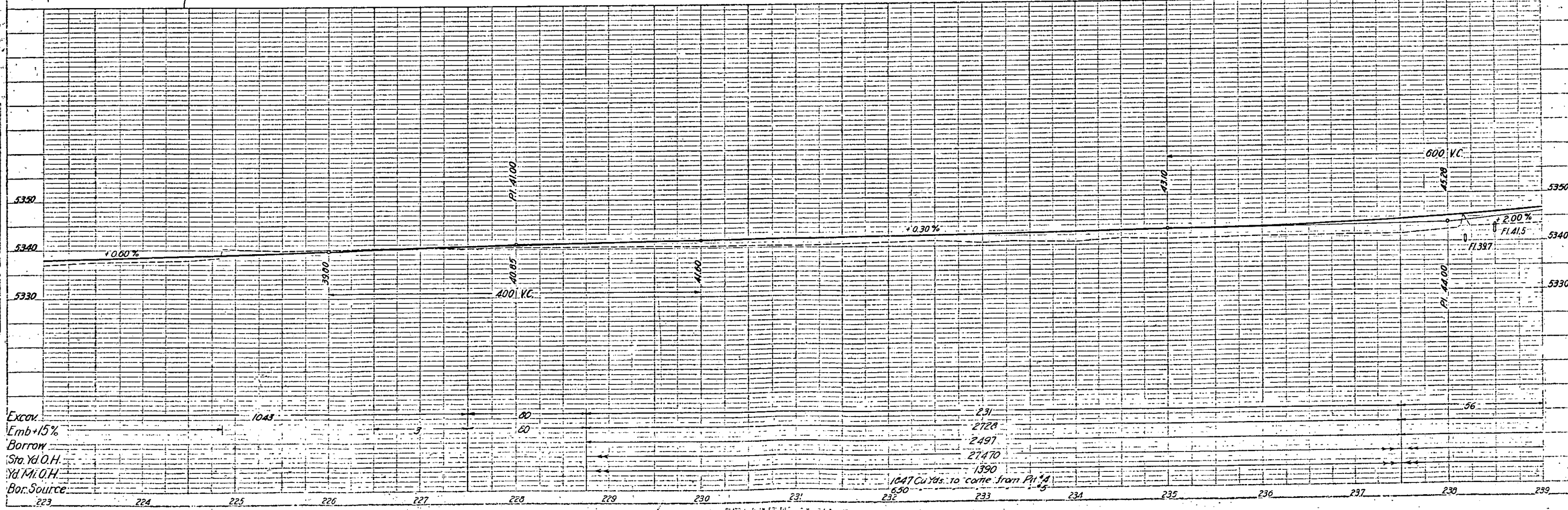
Sta. 232+10-Reqd. 2-18" x 30" C.M.P. Sd. Drs. Rt. & 100 Cu. Yds.
Embank. for Rd. Appr. Rt. & Lt.

Sta. 224+82-227+06-Reqd. 30 Cu. Yds. Uncl. Excav. for
Ditch Change Rt.

Sta. 227+05-Reqd. 18" x 50" C.M.P. Sd. Dr. Lt. & 30 Cu. Yds.
Embank. for Rd. Appr. Lt.

Sta. 238+00-Reqd. 100 Cu. Yds. Embank. for Rd.
Appr. Rt. & Lt. Also Reqd. 24' x 30"
C.M.P. Sd. Dr. Rt.

Sta. 233+85-Reqd. 2-18" x 30" C.M.P. Sd. Drs. Rt. &
30 Cu. Yds. Embank. for Rd. Appr. Rt.



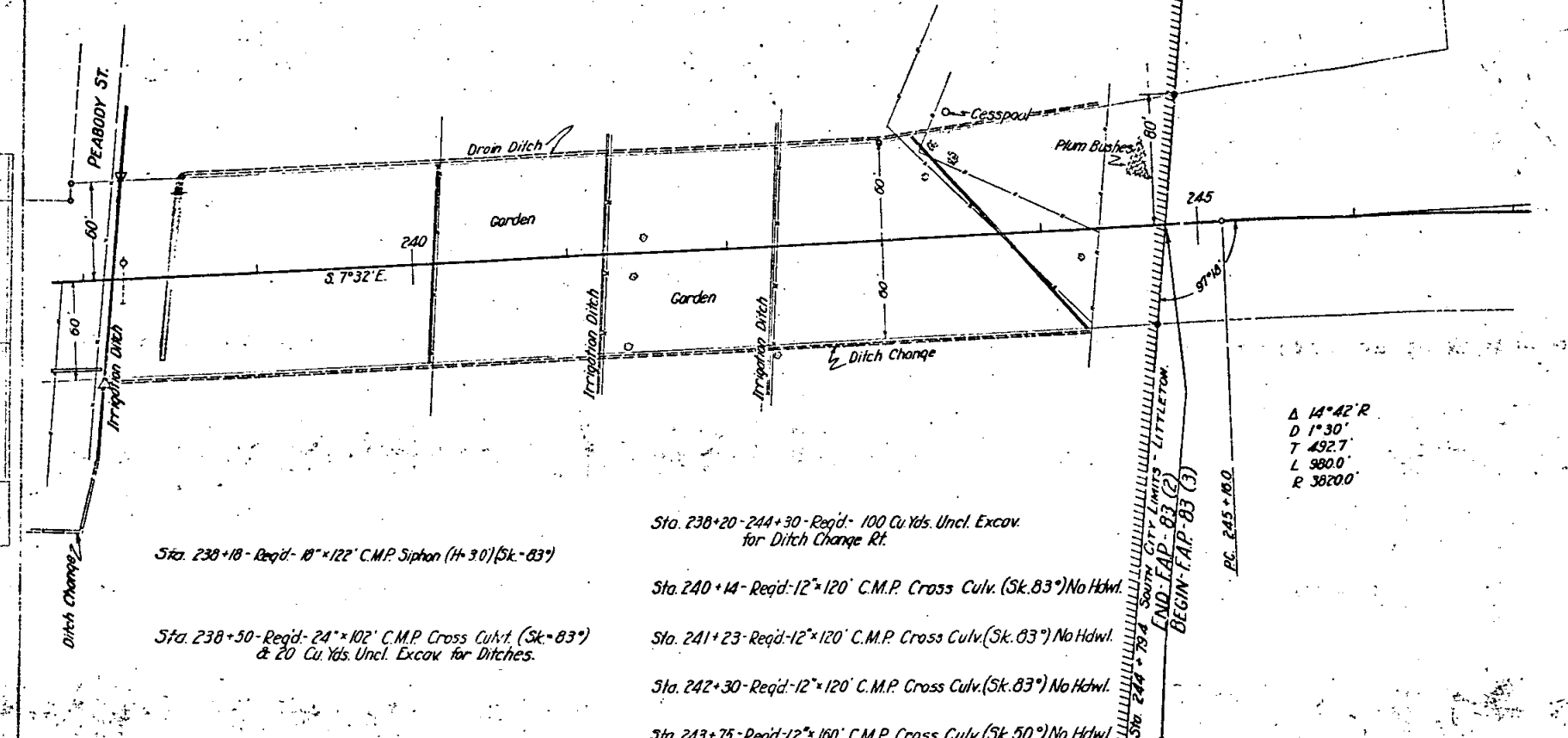
Excav.
Emb. +15%
Borrow
Sta. Yd. O.H.
Yd. M.O.H.
Bor. Source

231
2728
2497
27470
1390
1047 Cu. Yds. to come from P.I. 231

MICROFILMED

NE 1/4 Sec. 20
T.55. R.68W.
Sta. 238+50-244+40-Reqd. 100 Cu.Yds. Uncl. Excav. for
Drain Ditch Lt.

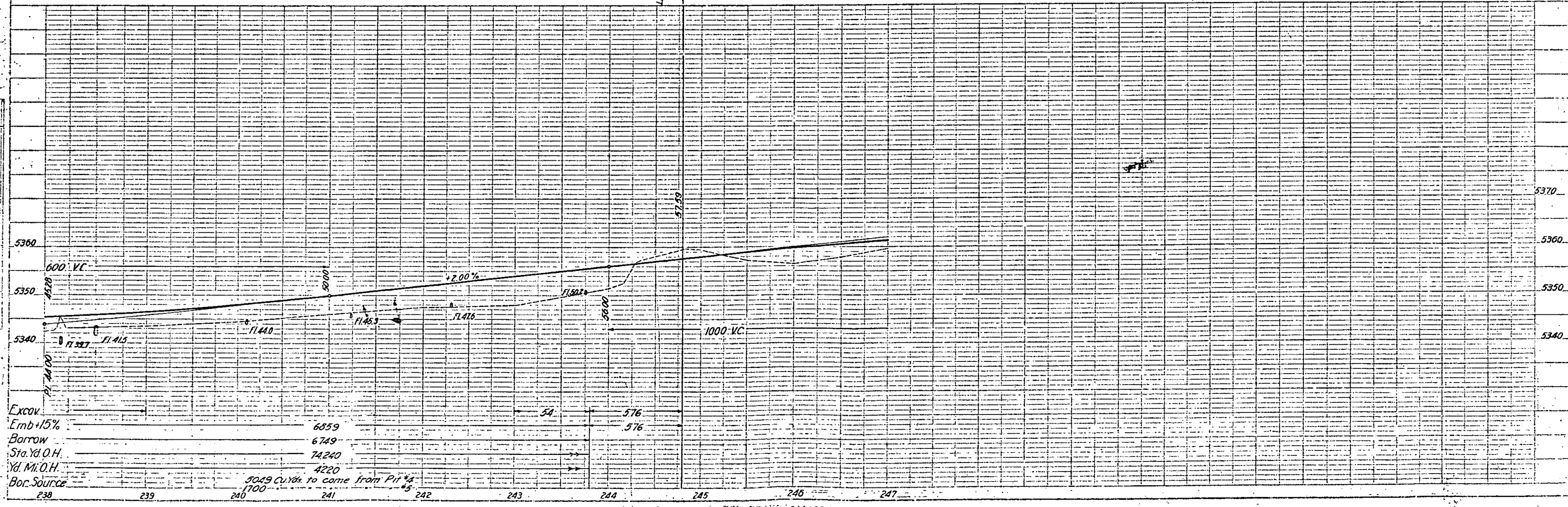
LITTLETON



FED. ROAD DIST. NO.	STATE	F.A. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	63 (2)	48	

Rev. 6-17-38-H.J.S.

- Sta. 238+18-Reqd. 18"x122" C.M.P. Siphon (H=30) (Sk.=83")
- Sta. 238+50-Reqd. 24"x102" C.M.P. Cross Culv. (Sk.=83") & 20 Cu.Yds. Uncl. Excav. for Ditches.
- Sta. 238+20-244+30-Reqd. 100 Cu.Yds. Uncl. Excav. for Ditch Change Rt.
- Sta. 240+14-Reqd. 12"x120" C.M.P. Cross Culv. (Sk.83") No Hdwl.
- Sta. 241+23-Reqd. 12"x120" C.M.P. Cross Culv. (Sk.83") No Hdwl.
- Sta. 242+30-Reqd. 12"x120" C.M.P. Cross Culv. (Sk.83") No Hdwl.
- Sta. 243+75-Reqd. 12"x160" C.M.P. Cross Culv. (Sk.50") No Hdwl.





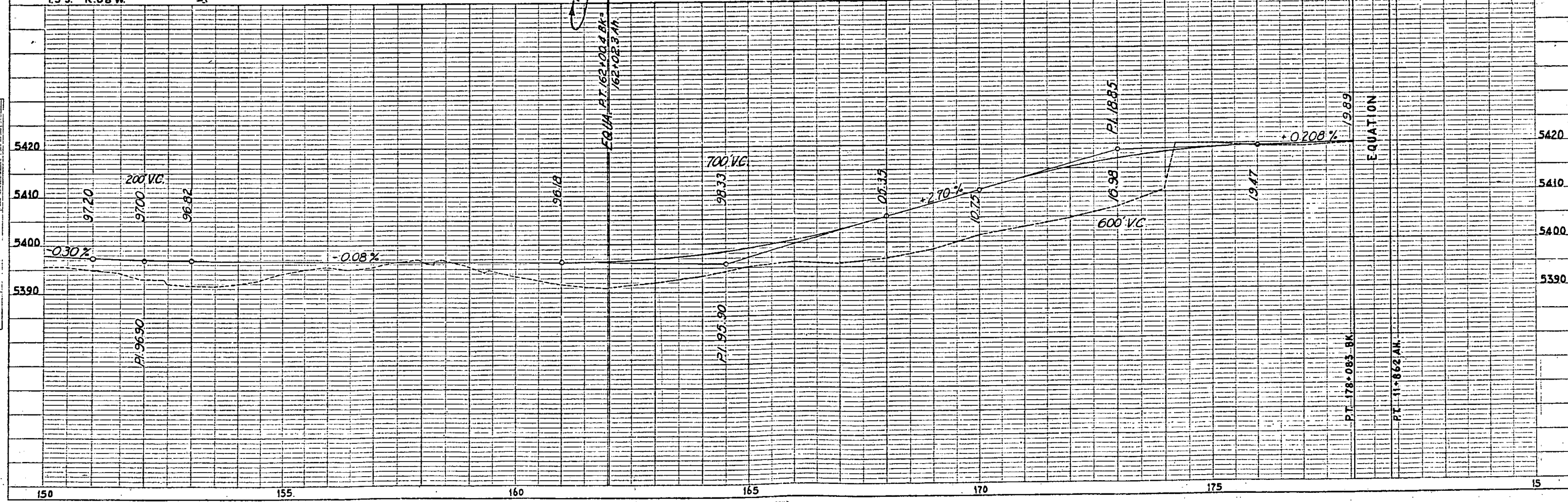
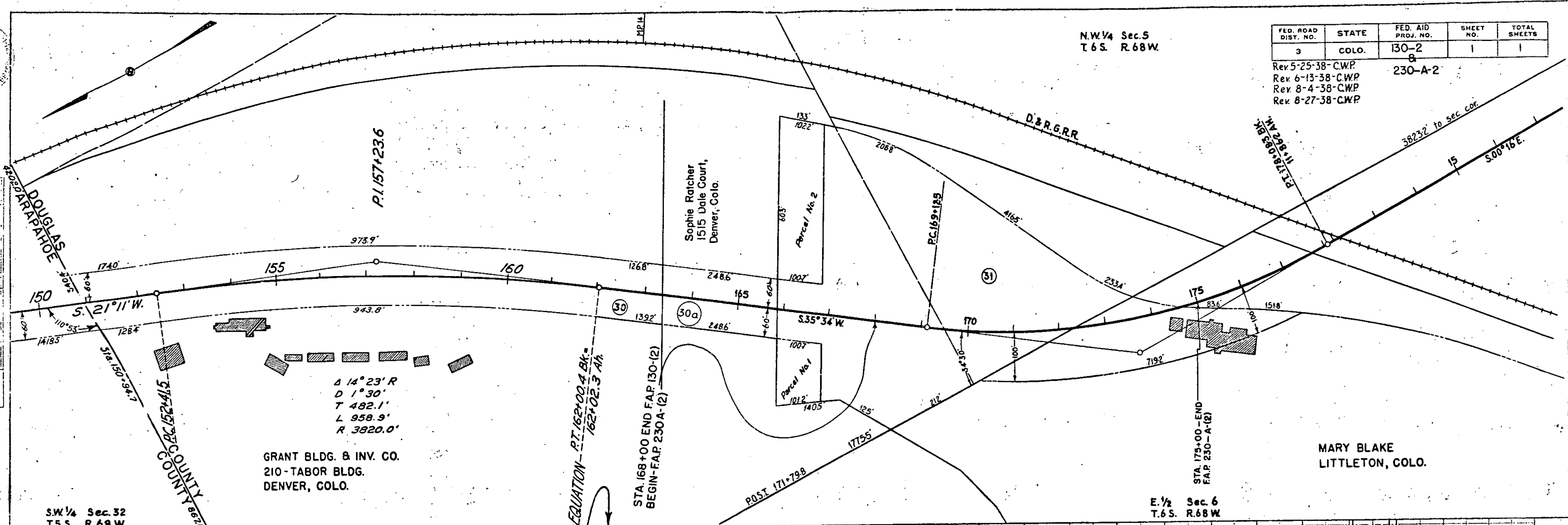
DATE	
BY	
CHKD	
APPROVED	
REVISIONS	
NO.	

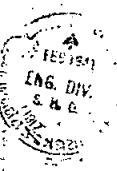
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BY	
CHKD	
APPROVED	
REVISIONS	
NO.	

N.W. 1/4 Sec. 5
T. 6 S. R. 68 W.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	130-2	1	1

Rev 5-25-38-CWP
Rev 6-15-38-CWP
Rev 8-4-38-CWP
Rev 8-27-38-CWP
230-A-2





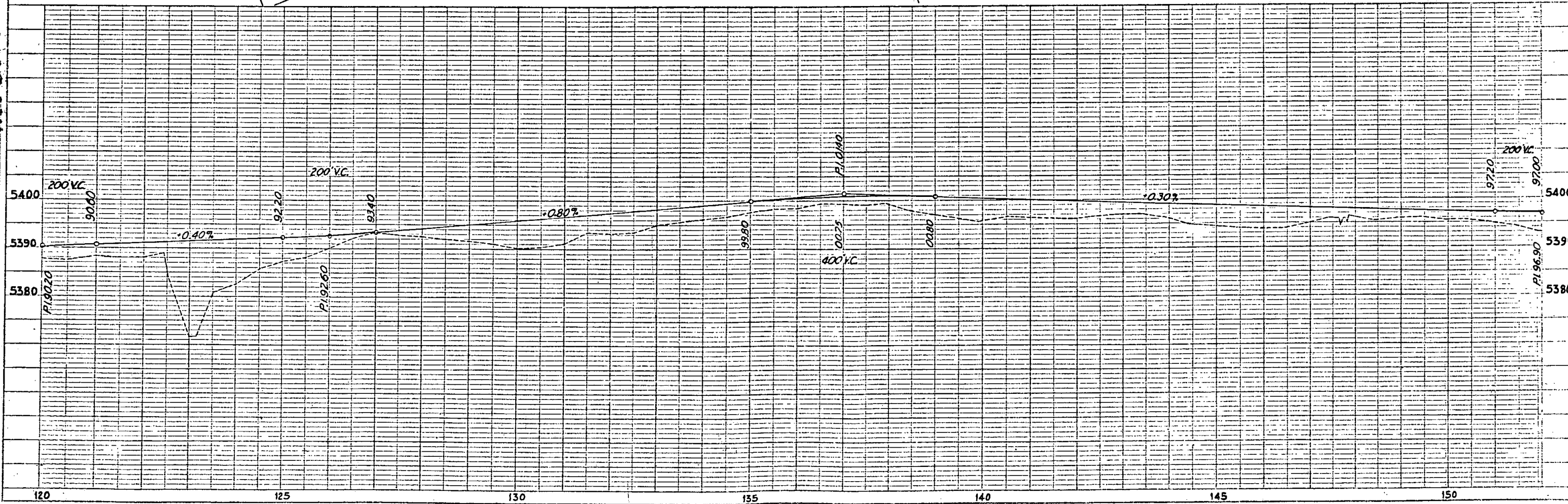
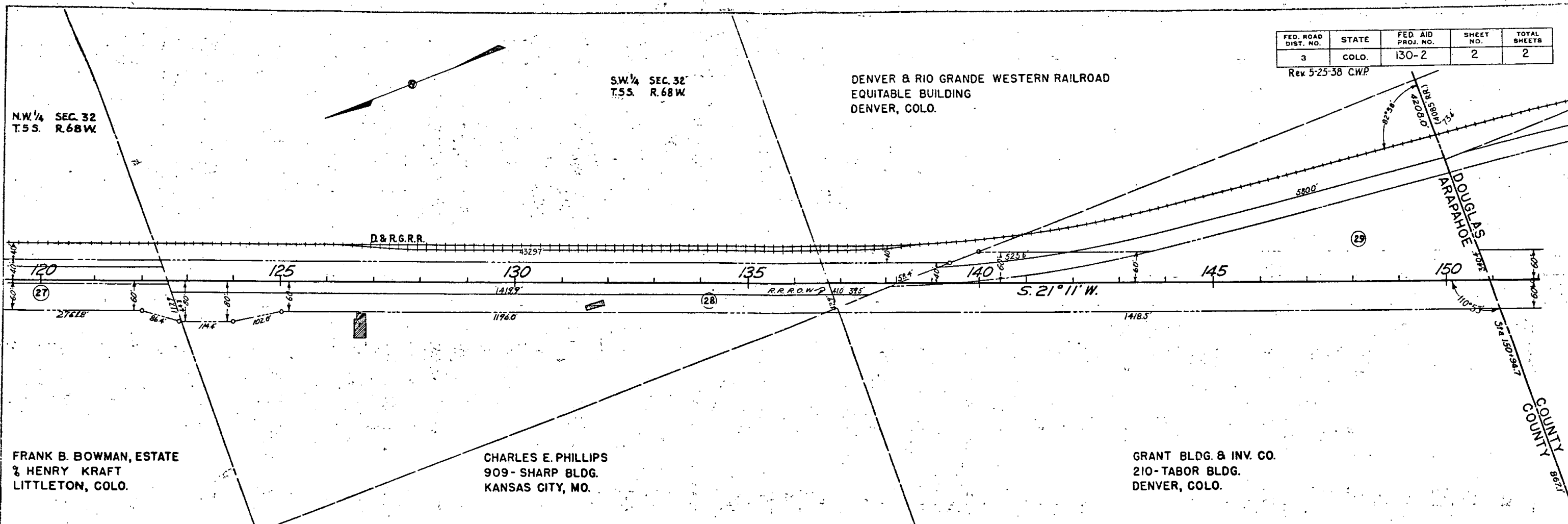
DATE	
BY	
REVIEWED	
PLAN	
NOTES	
NO.	

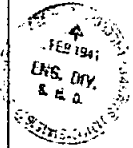
RECORDED

DATE	
BY	
REVIEWED	
PROFILE	
NOTES	
NO.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	130-2	2	2

Rev 5-25-38 CWP





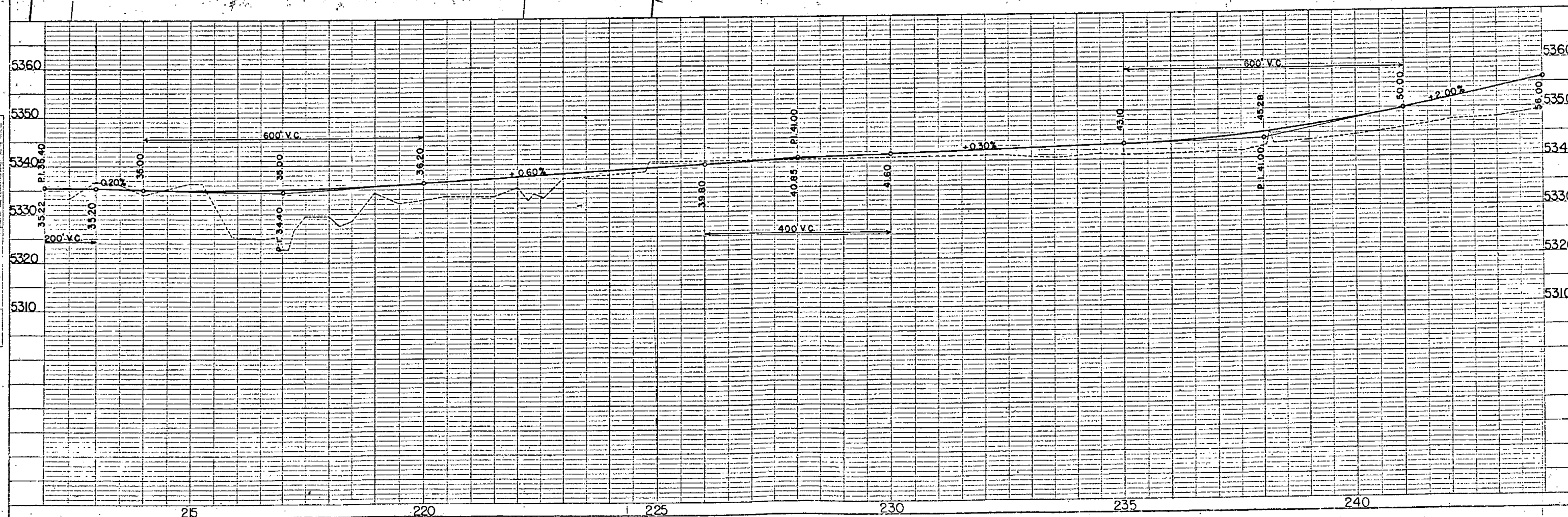
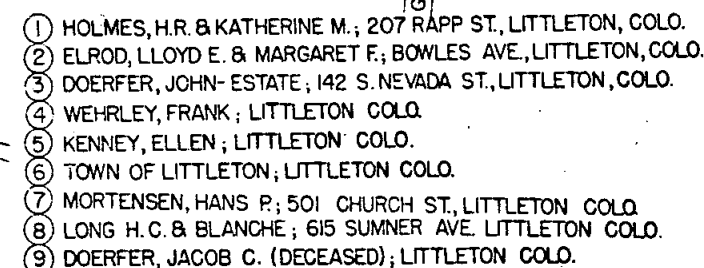
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	83-3	2	7

FEDERAL AID PROJECT 83-(3)

Rev 8-4-38 C.W.P. Rev 5-25-38 C.W.P. Rev 12-30-38 C.W.P.
Rev 8-16-38 C.W.P. Rev 6-10-38 C.W.P.

NO.	OWNER	LOCATION	AREA IN ACRES		ASSESSED VALUE			CONSTR. IMPR.		TREES & SHRUBS		OWNER'S DESIRE	ESTIMATED DAMAGE	COURT DEPOSIT REQUIRED	REMARKS
			TOTAL	REQ'D.	IMP'S.	LAND	PARCEL	REMOVE	REHABIL.	TRANSP.	DESTROY				
ARAPAHOE COUNTY															
16	Joseph A. Bixby - 1291 So. Gaylord - Denver	N.E. 1/4 Sec. 20, T.5 S. R.68 W.	19	1.83	720	2170	160								
17	Joseph A. & Edward Bixby, 1291 So. Gaylord St., Denver, Colorado	S.E. 1/4 Sec. 20, T.5 S. R.68 W.	5	0.21	None	660	28								
18	Alice J. W.C., & J. T. Cuthbert, Littleton, Colorado	S.E. 1/4 Sec. 20, T.5 S. R.68 W.	50	0.86	430	2780	48								
19	Harry F. Comstock, Route 1, Box 6, Littleton, Colorado	S.E. 1/4 Sec. 20, T.5 S. R.68 W.	6.26	0.20	770	590	19								
20	Ada E. Kraft, Littleton, Colorado	S.E. 1/4 Sec. 20, T.5 S. R.68 W.	6.40	0.64	990	330	33								
21	Georgia S. Stewart, 1080 Clarkson St., Denver, Colorado	S.E. 1/4 Sec. 20, T.5 S. R.68 W.	16.30	0.26	1800	910	15								
22	H.C. & Ella B. Ohlman, Route 1, Box 7-A, Littleton, Colorado	S.E. 1/4 Sec. 20, T.5 S. R.68 W.	6.1	0.19	1260	300	9								
23	Grant Bldg. & Inv. Co., 210 Tabor Bldg., Denver, Colorado	S.E. 1/4 Sec. 20, T.5 S. R.68 W. N.E. 1/4 Sec. 29, T.5 S. R.68 W.	11.5	0.35 1.92	None None	770 770	23 128								Parcel 1 Parcel 2
24	Robert's Nurseries Inc., Box 277, Englewood, Colorado	East 1/2 Sec. 29, T.5 S. R.68 W.	64.50	5.68	720	4750	418								
25	Mrs. W.W. Jones, Estate, 653 Williams St., Denver, Colorado	S.E. 1/4 Sec. 29, T.5 S. R.68 W.	0.08	0.02	None	30	7								
27	Frank B. Bowman, Estate, % Henry Kraft, Littleton, Colorado	N.E. 1/4 & NW 1/4 Sec. 32, T.5 S. R.68 W.	64.70	3.70	140	2920	167								
FEDERAL AID PROJECT 130-(2) ARAPAHOE COUNTY															
28	Charles E. Phillips, 909 Sharp Bldg., Kansas City, Missouri	N.E. 1/4, S.W. 1/4 Sec. 32, T.5 S. R.68 W.	11.17	1.38	None	860	106								
29	Grant Bldg. & Inv. Co., 210 Tabor Bldg., Denver, Colorado	S.W. 1/4 Sec. 32, T.5 S. R.68 W.	40.00	4.50	10800	2800	315								
FEDERAL AID PROJECT 130-(2) DOUGLAS COUNTY															
30	Grant Bldg. & Inv. Co., 210 Tabor Bldg., Denver, Colorado	NW 1/4, NW 1/4 Sec. 5, T.6 S. R.68 W.	265.65	3.29	10 000	8000	99								
FEDERAL AID PROJECT 230-A(2) DOUGLAS COUNTY															
31	Mary Blake, Littleton, Colorado	NW 1/4 Sec. 5 & NE 1/4 Sec. 6, T.6 S. R.68 W.	39.27	8.22	8700	2040	427								
FEDERAL AID PROJECT 130-(2) DOUGLAS COUNTY															
31a	Sophie Fatcher, 1515 Dale Court, Denver, Colorado	N.W. 1/4, NW 1/4 Sec. 5, T.5 S. R.68 W.	3.15	0.68	None	160	35								

REPRODUCED FROM
MICROFILMED





NOT RECORDED

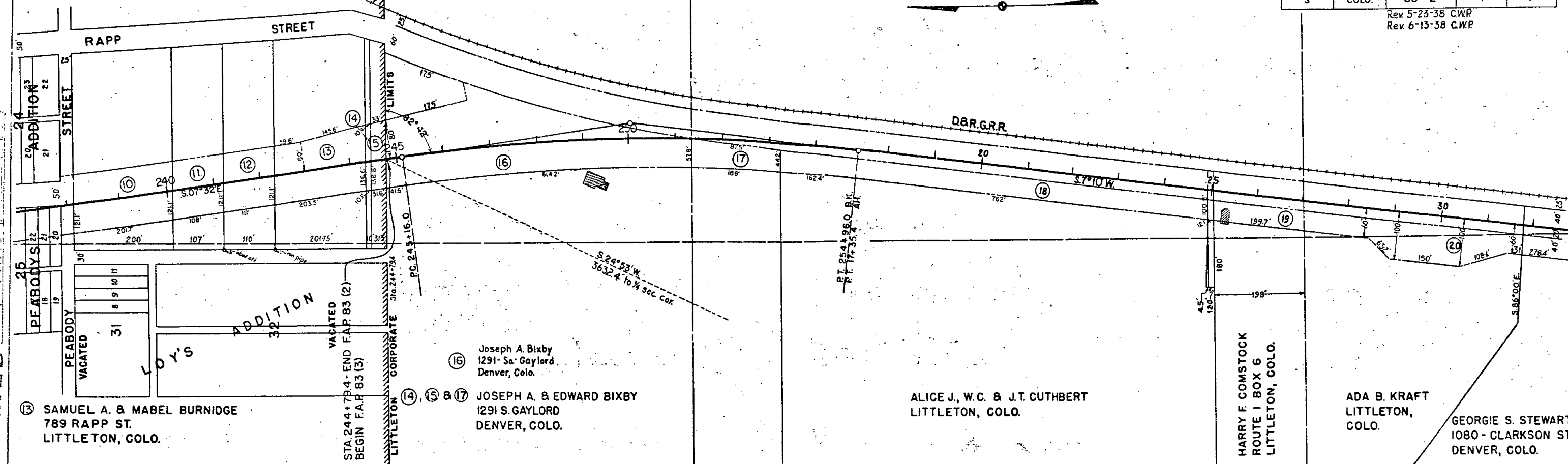
- ⑩ FRANCES LAPIN - 725 RAPP ST. LITTLETON, COLO.
- ⑪ ERNEST GUTHEIL - ROUTE 1 LITTLETON, COLO.
- ⑫ R.H. & CARRIE WILLIS - 5129 OSCEOLA ST. DENVER, COLO.

N.E. 1/4 SEC. 20
T.5S. R.68W.

S.E. 1/4 SEC. 20
T.5S. R.68W.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	83-2	4	7

Rev 5-23-38 CWP
Rev 6-13-38 CWP



APPROVED
FEB 15 1941
L.V.G. DIV.
S. & A. D.

SE 1/4 SEC. 20
T.5S. R.68W.

NE 1/4 SEC. 29
T.5S. R.68W.

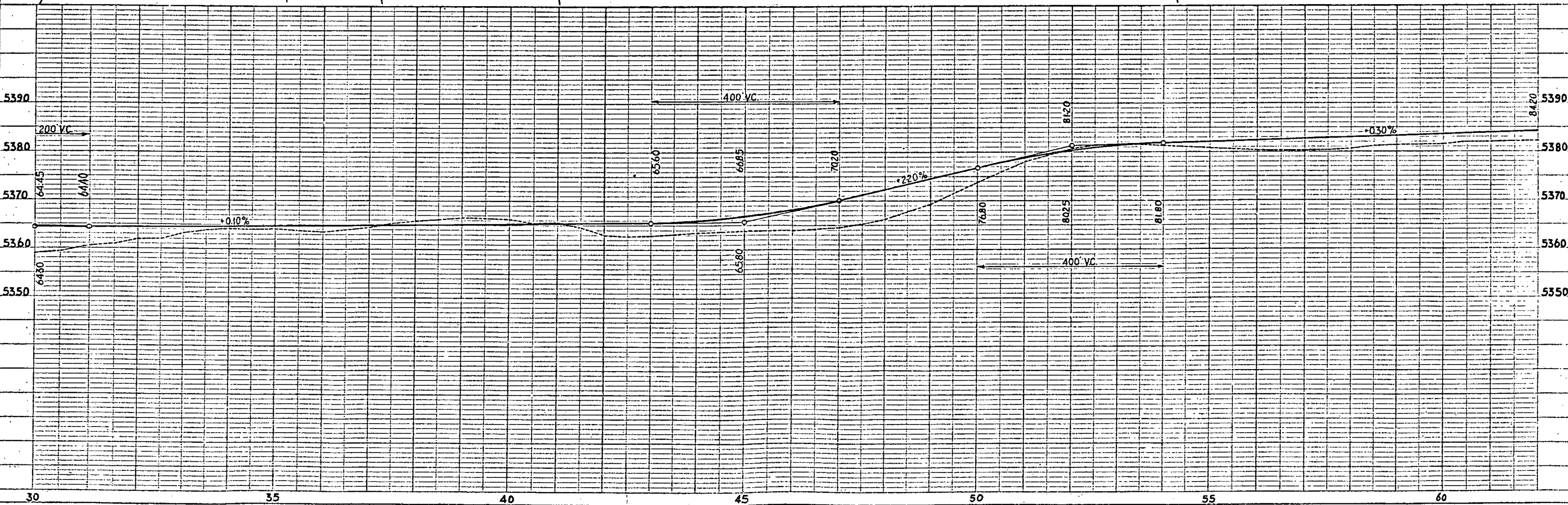
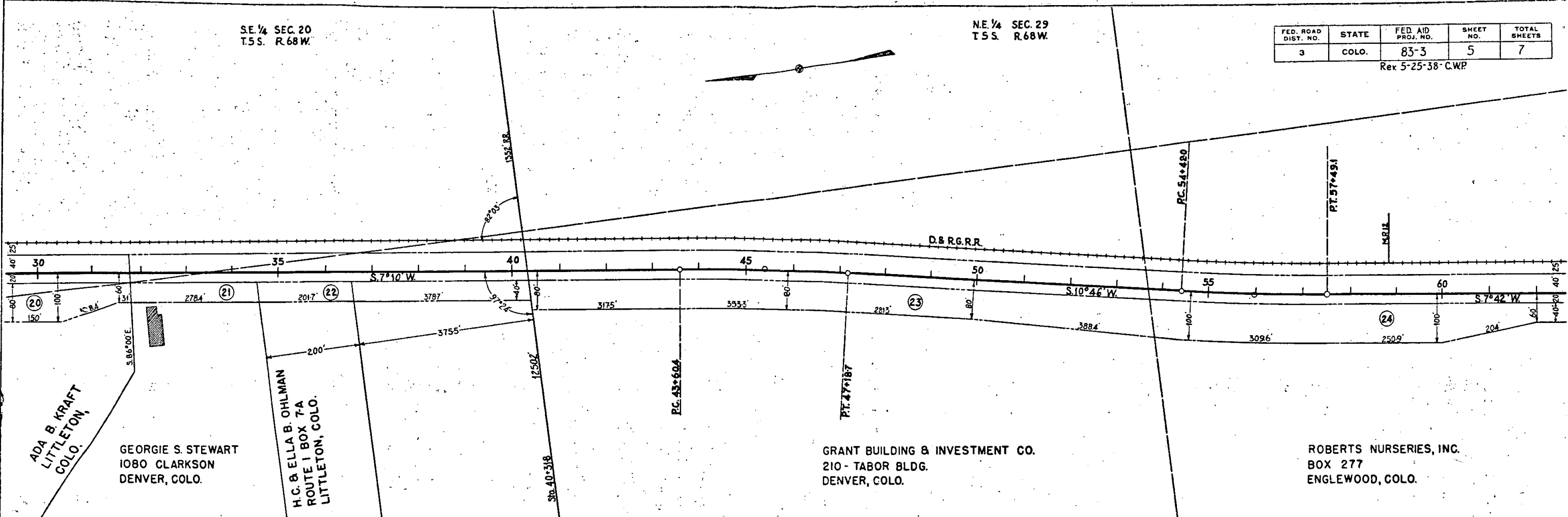
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	83-3	5	7

Rev. 5-25-38-CWP

PLAN
NOTED BOOK PAYMENT CHECKED
PT. OF WAY CATERED

ADJUSTED
PLAN
NOTED BOOK PAYMENT CHECKED
PT. OF WAY CATERED

PROFILE
NOTED BOOK PAYMENT CHECKED
PT. OF WAY CATERED





FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	83-3	6	7

Rev 5-25-38 CWP

PLAN

DATE: _____

BY: _____

CHECKED: _____

NOTE: _____

RECORDED

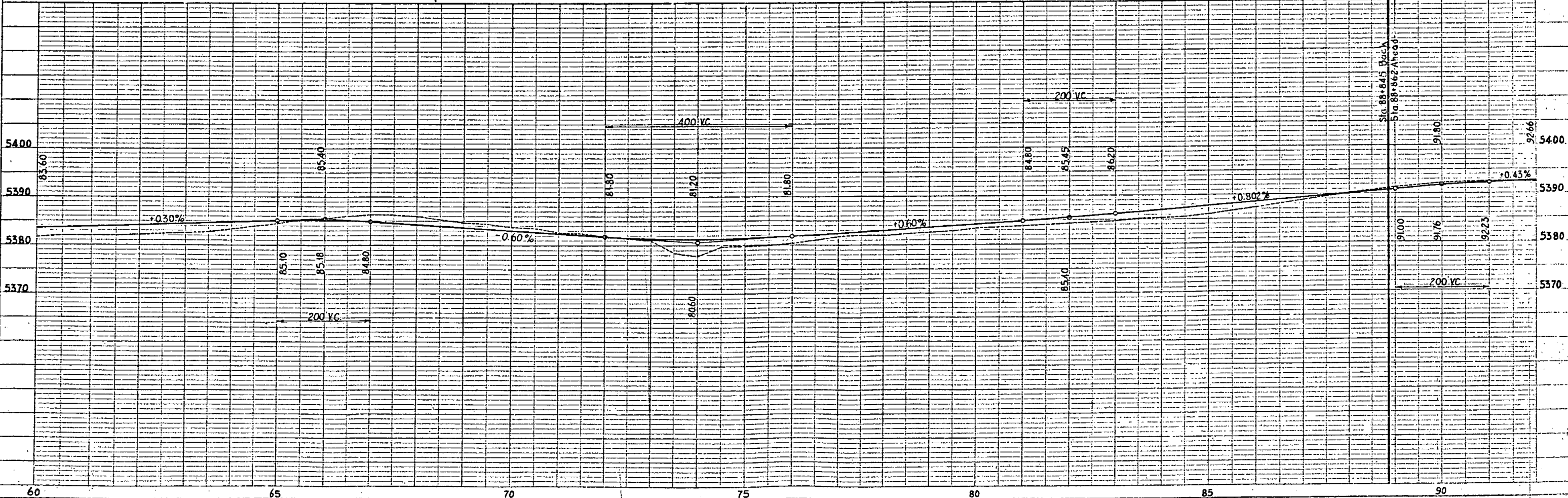
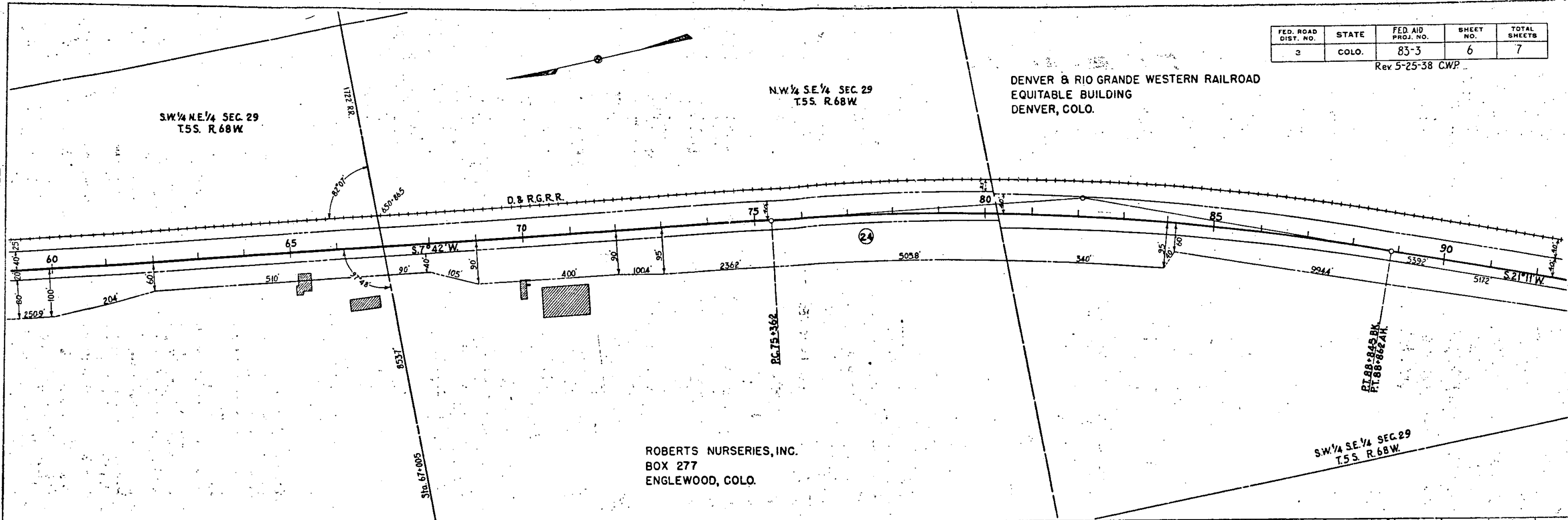
PROFILE

DATE: _____

BY: _____

CHECKED: _____

NOTE: _____



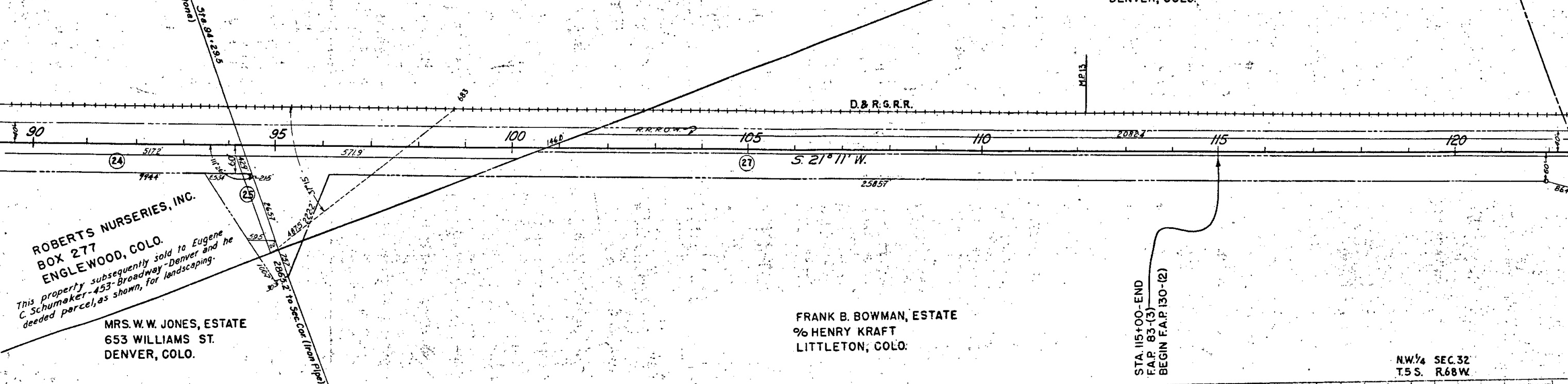
SE 1/4 SEC. 29
T5 S. R. 68 W.

NE 1/4 SEC. 32
T5 S. R. 68 W.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	83-3	7	7

Rev 5-25-38 CWP
Rev 6-13-38 CWP
Rev 12-30-38 CWP
Rev 2-11-41 CWP

DENVER & RIO GRANDE WESTERN RAILROAD
EQUITABLE BUILDING
DENVER, COLO.



NW 1/4 SEC. 32
T5 S. R. 68 W.

