

FED. ROAD DIST. NO.	STATE	F.A.S. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	4A (I)	1	

Revised 9-14-38 R.J.W.

COLORADO STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED FEDERAL AID SECONDARY PROJECT NO. F.A.S. - 4A (I)

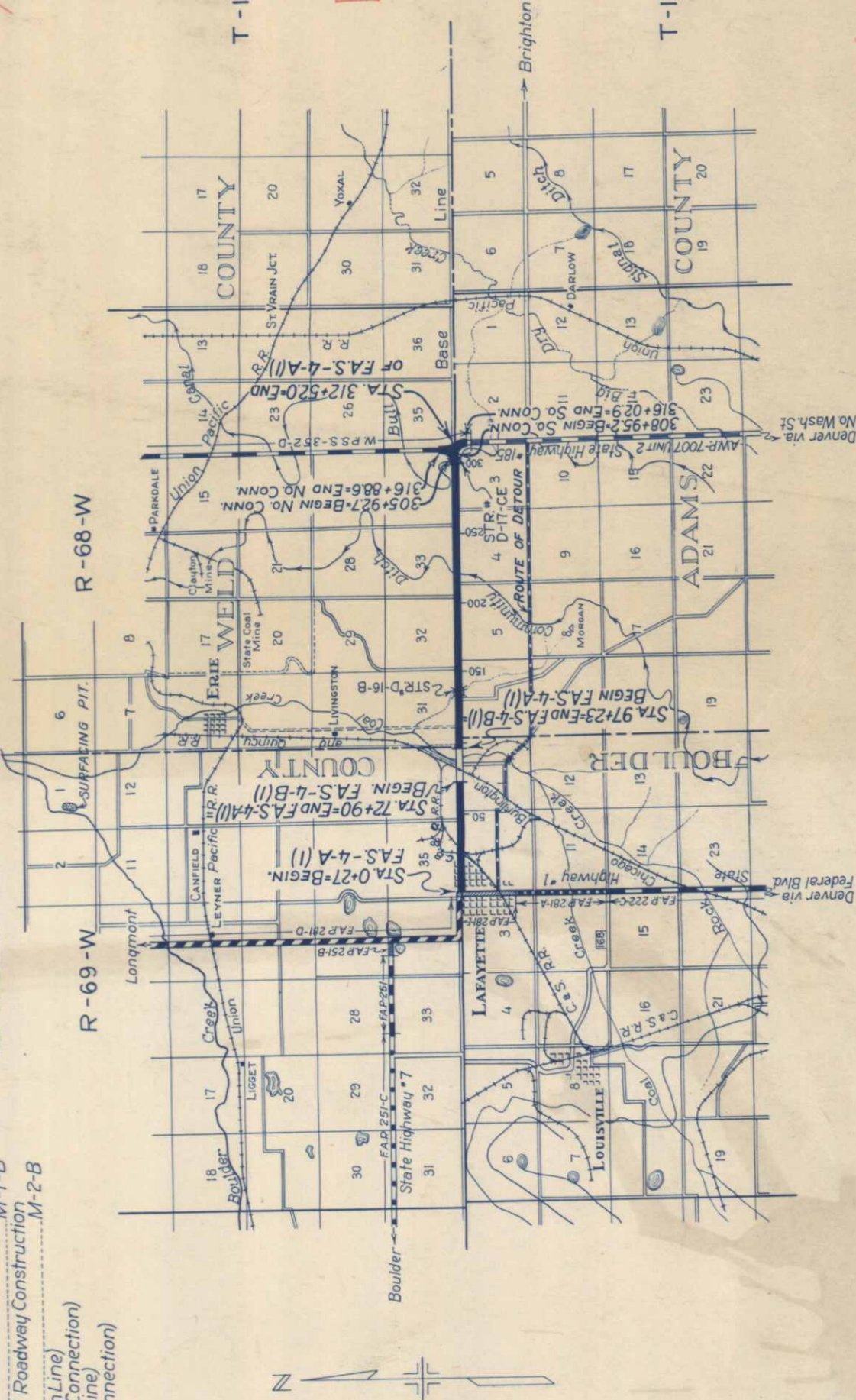
STATE HIGHWAY NO. 7 BOULDER - WELD - ADAMS COUNTIES

INDEX OF SHEETS

- Sheet No. 1 Title Sheet
 " 2 Typical Cross Section and Summary of Quantities
 " 3-4 List of Structures and Surfacing Plan
 " 5 List of Fencing, Right-of-Way Markers and Guard Posts
 " 6 " " Sta. 135+
 " 7-8 " " Sta. 302+
 " 9 " " of Special 10'x10' Concrete Box Culv-Sta. 101+
 " 10 " " Timber Ditch Checks, Sta. 66 to 72+ and Details
 " 11 Standard Name Plate
 " 12 " Headwalls for C.M.P. Culverts
 " 13 " Concrete Box Culverts
 " 14 " Siphon, Corrugated Galvanized Iron Pipe
 " 15 Standard Timber Guard Post
 " 16 " with Concrete Inlet and Outlet Boxes
 " 17 Standard Wire Fences with Steel Posts and
 " 18 " Marker Posts
 " 19 Standard Structure Number Lettering
 " 20 " Methods for Superelevation and
 " 21 " Widening of Curves
 " 22 Typical Side Approach Roads and Roadway Construction
 " 23 Plan and Profile Sheets (Main Line)
 " 24 " " ("Y" Connection)
 " 25 " " ("Y" Connection)
 " 26 " " ("Y" Connection)
 " 27 " " ("Y" Connection)
 " 28 " " ("Y" Connection)
 " 29 " " ("Y" Connection)
 " 30 " " ("Y" Connection)
 " 31 " " ("Y" Connection)
 " 32-35 Cross Section Sheets ("Y" Connection)
 " 36-40 " " ("Y" Connection)
 " 41-45 " " ("Y" Connection)
 " 46-50 " " ("Y" Connection)
 " 51-55 " " ("Y" Connection)
 " 56-60 " " ("Y" Connection)
 " 61-65 " " ("Y" Connection)
 " 66-70 " " ("Y" Connection)
 " 71-75 " " ("Y" Connection)
 " 76-82 " " ("Y" Connection)

SCALES OF ORIGINAL TRACINGS
 ON PLAN, 1 IN. = 100 FT.
 ON PROFILE, 1 IN. = 100 FT. HORIZONTAL
 ON PROFILE, 1 IN. = 10 FT. VERTICAL

GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD
 MAIN LINE
 GROSS LENGTH OF PROJECT 31225.0 FT. = 5.914 MI.
 NET LENGTH OF PROJECT 28792.0 FT. = 5.453 MI.
 TOTAL
 GROSS LENGTH OF PROJECT 31225.0 FT. = 5.914 MI.
 NET LENGTH OF PROJECT 28792.0 FT. = 5.453 MI.
 TOTAL
 GROSS LENGTH OF PROJECT 31225.0 FT. = 5.914 MI.
 NET LENGTH OF PROJECT 28792.0 FT. = 5.453 MI.
 TOTAL



Scale in Miles

- CONVENTIONAL SIGNS
 Center Line
 Right-of-Way Line
 County Line
 Township or Range Line
 Section Line
 Quarter Section Line
 Property or Tract Line
 City Limits
 Rail Road
 Barbed Wire Fence
 Combination Fence
 Picket Fence
 Board Fence
 Telephone Line
 Power Line
 Water Main
 Detour

Please return
 Dist. No 4 Greeley
 Dave Moore
 10/9/54

AS CONSTRUCTED PLANS
 RETURN TO DIST. 4 DESIGN

It is recommended that bidders on this project
 go over the plan details with one of the following
 field representatives of this department:
 R.J. Randall, Division Engineer, Greeley
 H.J. Winters, Resident Engineer, Lyons

RECOMMENDED FOR APPROVAL
 J. Mulvey
 APPROVED
 Charles J. Sain
 STATE HIGHWAY ENGINEER

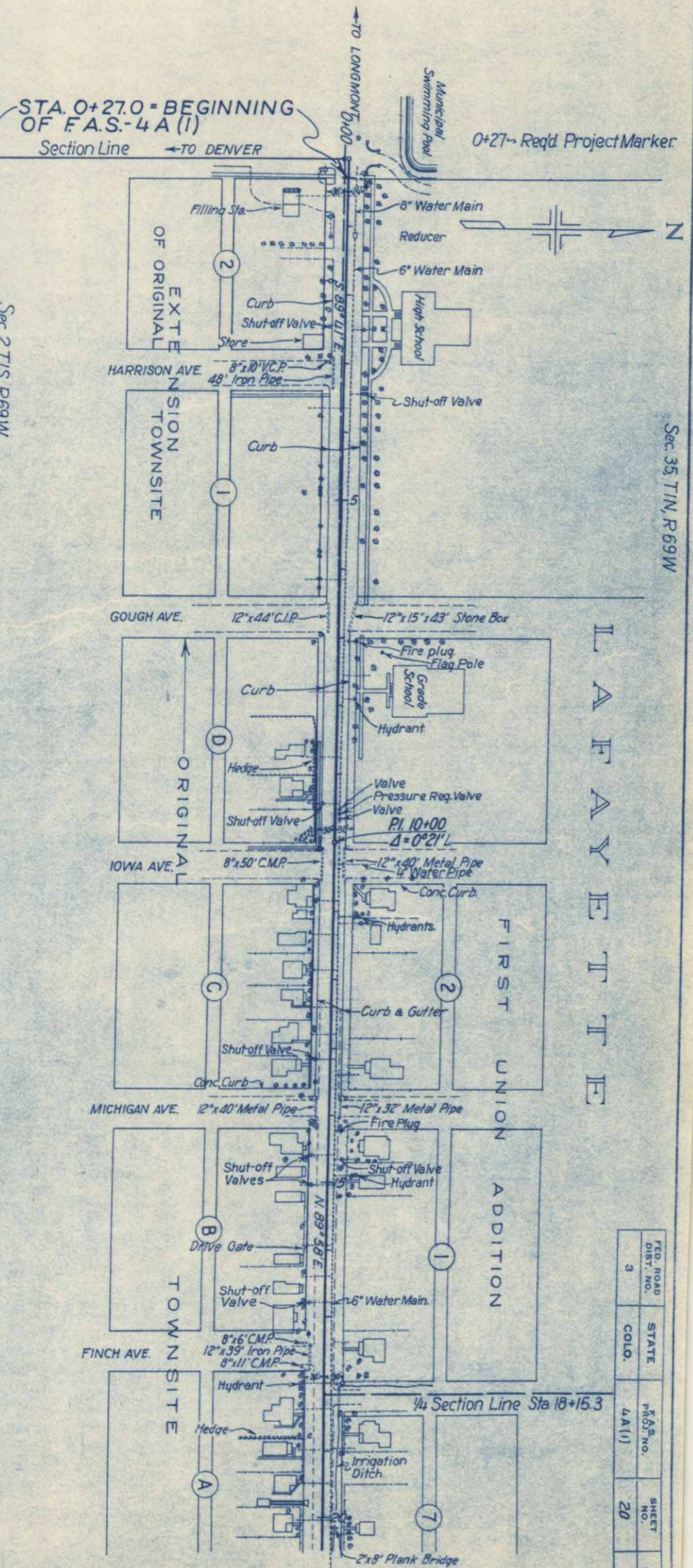
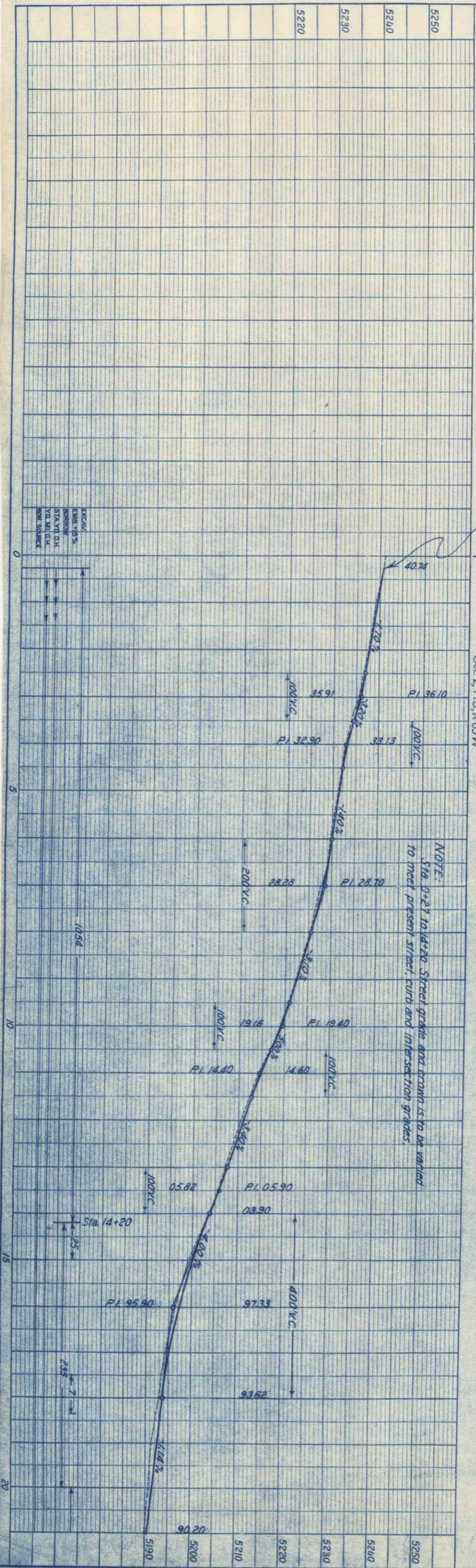
DIST. ENG. BUREAU PUBLIC ROADS
 RECOMMENDED FOR APPROVAL
 CHIEF ENG. BUREAU PUBLIC ROADS
 APPROVED
 DIRECTOR BUREAU PUBLIC ROADS

Sheets 7, 10 & 30

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	GRADES CHECKED		
	B. M.S. NOTED		
	STRUCTURE NOTATIONS CHECKED		

PLAN	SURVEYED	BY	DATE
NO.	PLOTTED		
	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		

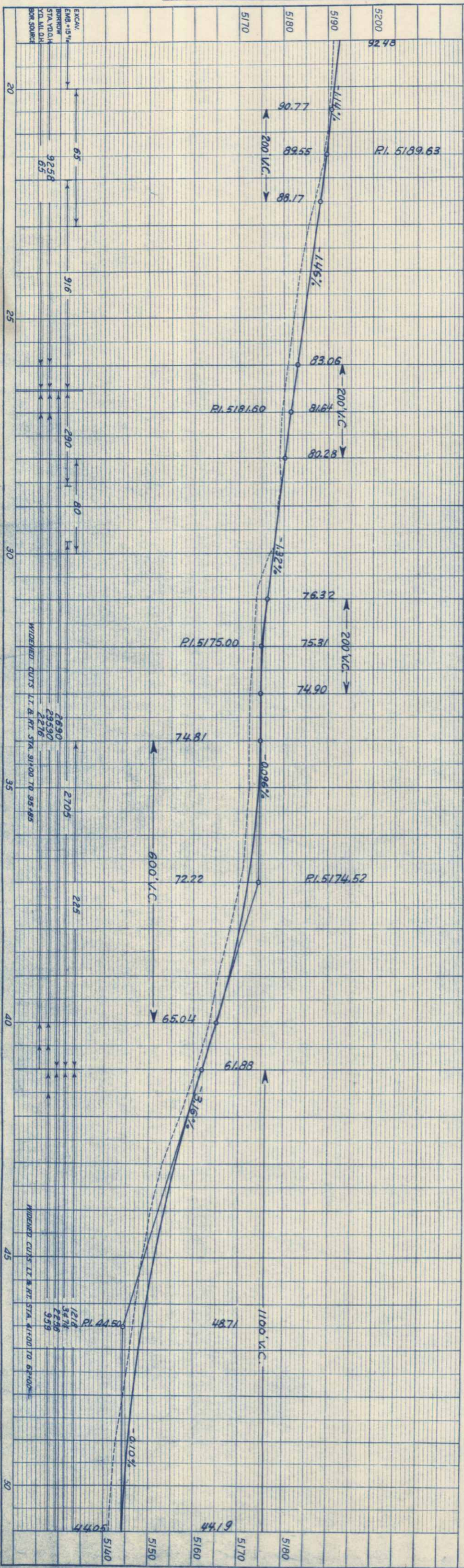
Fencing & Right-of-Way marker requirements are tabulated on sheet #5
Alignment and Grades as hereon shown, are subject to change during construction, only after approval by the Denver Office
Poles encroaching on R.O.W. are to be moved by owners.



REF. ROAD DIST. NO.	STATE	F&S No.	SHEET NO.	TOTAL SHEETS
3	COLO.	4A (1)	20	

PROFILE		DATE
SURVEYED	BY	
NOTE BOOK	GRADES CHECKED	
NO.	BY	
STRUCTURE NOTATIONS CHKD.		

PLAN		DATE
SURVEYED	BY	
NOTE BOOK	ALIGNMENT CHECKED	
NO.	BY	
PT. OF WAY CHECKED		



Sec. 2, T1S, R69W

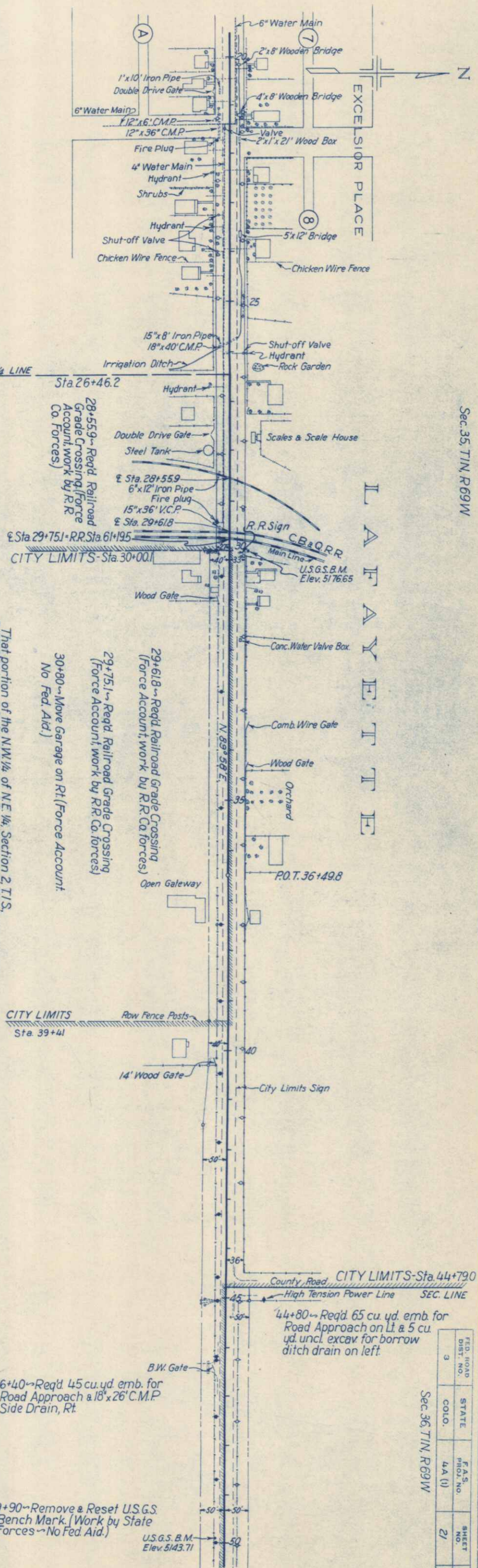
That portion of the NW 1/4 of N.E. 1/4, Section 2, T1S, R69W lying east of the R.O.W. of the main line of the CB&Q.R.R. is excluded from the town of Lafayette.

29+75.1~Req'd. Railroad Grade Crossing (Force Account; work by R.R. Co. forces)

30+80~Move Garage on Rt. (Force Account; No Fed. Aid)

46+40~Req'd. 45 cu. yd. emb. for Road Approach & 18"x26" C.M.P. Side Drain, Rt.

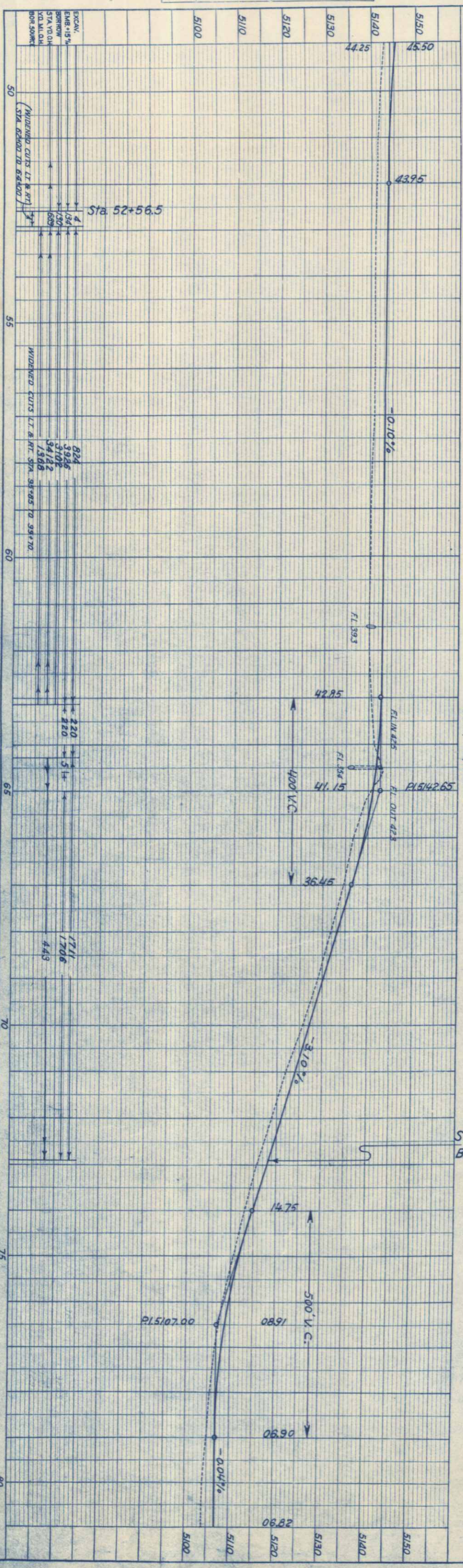
49+90~Remove & Reset U.S.G.S. Bench Mark. (Work by State Forces~No Fed. Aid.)



Sec. 35, T1N, R69W

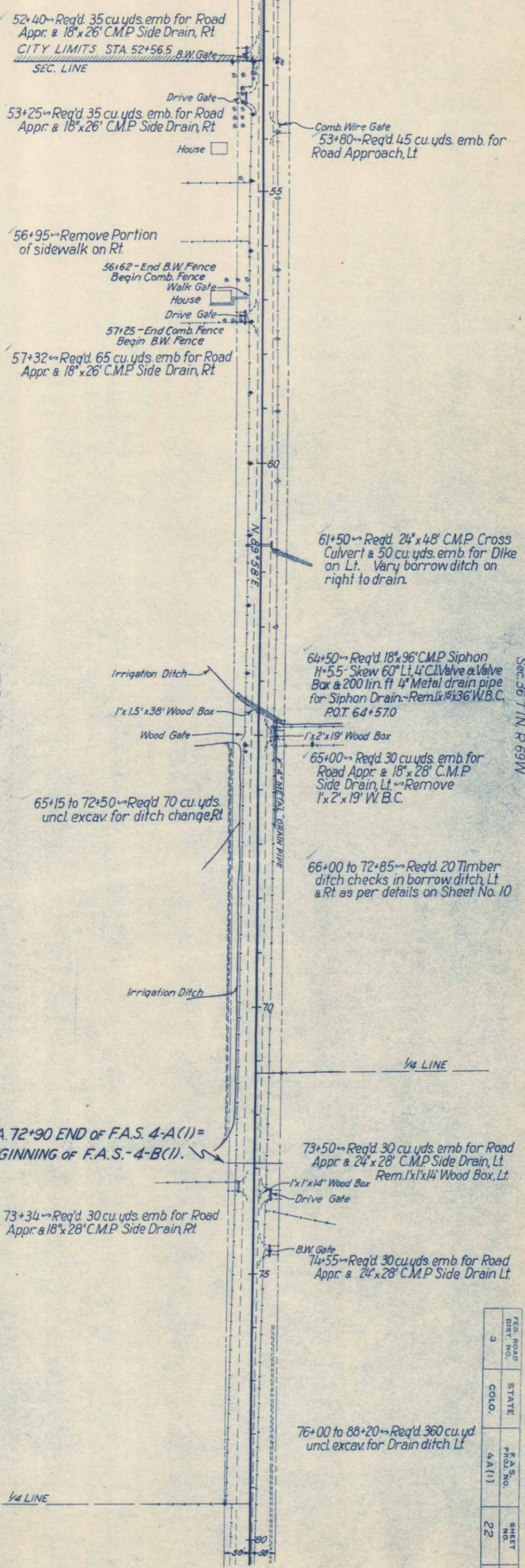
Sec. 36, T1N, R69W

FED. ROAD DIST. NO.	STATE	F.A.S. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	4A (1)	21	

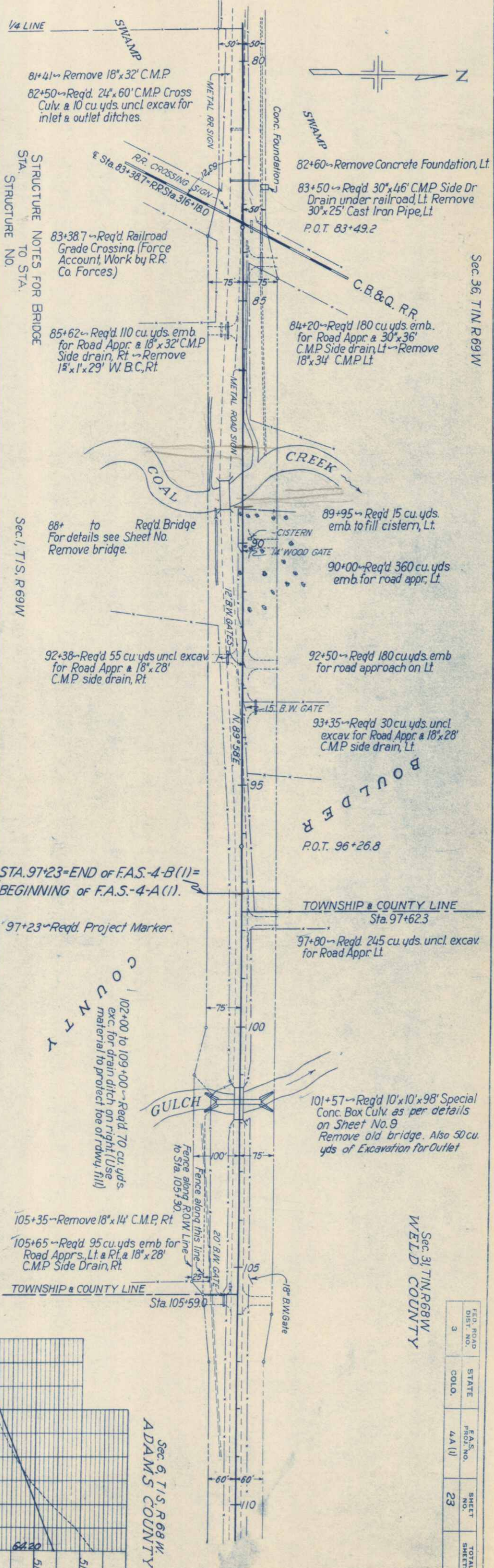
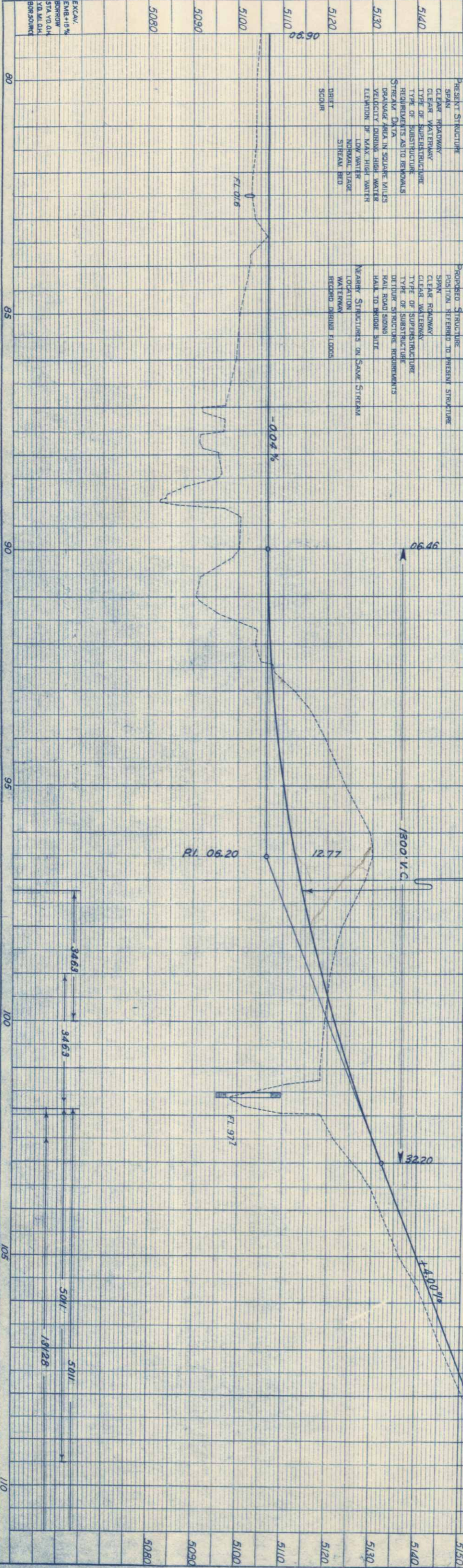


Sec. 1, T1S, R69W

Sec. 36 T1N, R69W



FEED ROAD DIST. NO.	STATE	F.A.S. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	4A(1)	22	



STRUCTURE NOTES FOR BRIDGE
STA. TO STA.
STRUCTURE NO.

Sec. 1, T. 1 S, R. 69 W

97+23 ~ Req'd. Project Marker.

105+35 ~ Remove 18'x14' C.M.P. Rt.
105+65 ~ Req'd. 95 cu. yds emb for Road Apprs., Lt. & Rt. & 18'x28' C.M.P. Side Drain, Rt.

Sec. 6, T. 1 S, R. 68 W.
ADAMS COUNTY

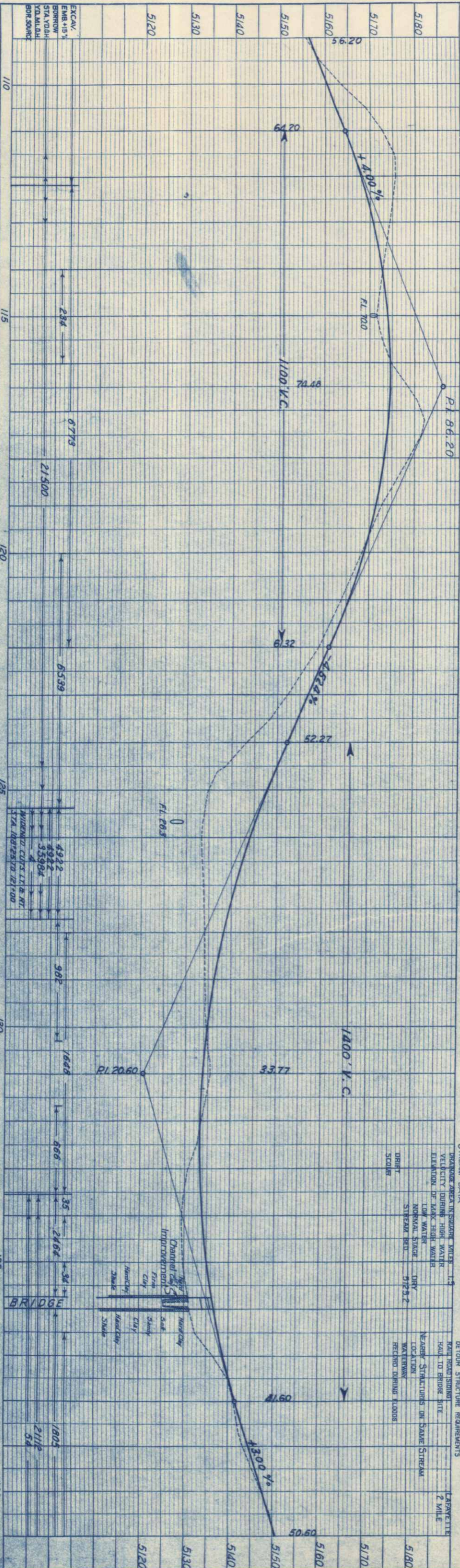
Sec. 36, T. 1 N, R. 69 W

FED. ROAD DIST. NO.	STATE	F.A.S. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	4A (1)	23	

Sec. 31, T. 1 N, R. 68 W.
WELD COUNTY

PROFILE
SURVEYED
PLOTTED
CHECKED
NO. 1
NO. 2
NO. 3
NO. 4
NO. 5
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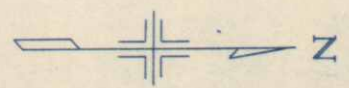
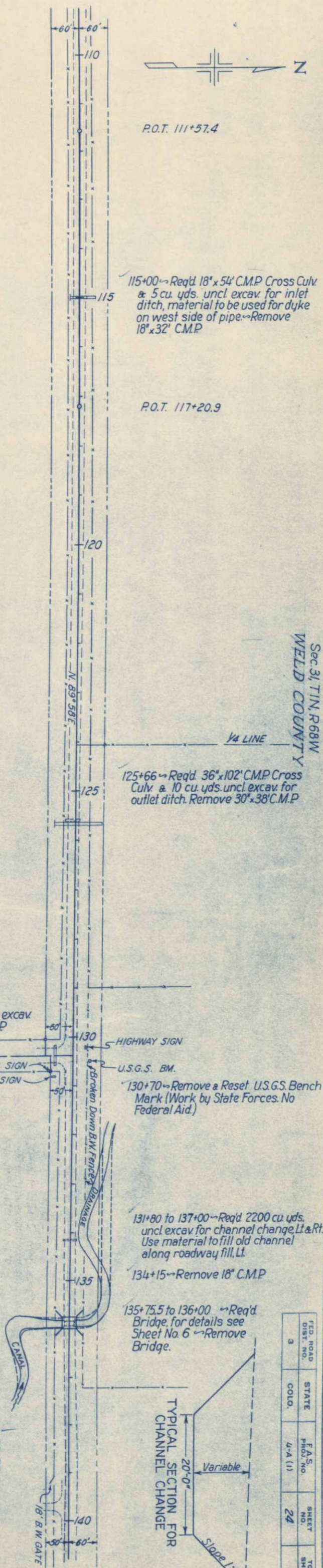
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NO. 100



ADAMS COUNTY
Sec 6, T1S, R68W

PRESENT STRUCTURE	PROPOSED STRUCTURE
SPAN	SPAN
CLEAR ROADWAY	CLEAR ROADWAY
CLEAR WATERWAY	CLEAR WATERWAY
TYPE OF SUPERSTRUCTURE	TYPE OF SUPERSTRUCTURE
REQUIREMENTS AS TO REMOVALS	REQUIREMENTS AS TO REMOVALS
STRENGTH DATA	STRENGTH DATA
VELOCITY DURING HIGH WATER	VELOCITY DURING HIGH WATER
ELEVATION OF MAX. HIGH WATER	ELEVATION OF MAX. HIGH WATER
LOW WATER	LOW WATER
NORMAL STAGE	NORMAL STAGE
STRENGTH DATA	STRENGTH DATA
DRIFT	DRIFT
SCOUR	SCOUR
NEARBY STRUCTURES OR SAME STREAM	NEARBY STRUCTURES OR SAME STREAM
LOCATION	LOCATION
WATERWAY	WATERWAY
REMOVED DURING FLOODS	REMOVED DURING FLOODS
TYPE OF SUPERSTRUCTURE	TYPE OF SUPERSTRUCTURE
TREATED TIMBER	TREATED TIMBER

STRUCTURE NOTES FOR BRIDGE
STA. 135+75.5 TO STA. 136+00.0
STRUCTURE NO. D-16-B



P.O.T. 111+57.4

P.O.T. 117+20.9

115+00 ~ Req'd 18" x 54" C.M.P. Cross Culv. & 5 cu. yds. uncl. excav. for inlet ditch, material to be used for dyke on west side of pipe. ~ Remove 18" x 32" C.M.P.

125+66 ~ Req'd 36" x 102" C.M.P. Cross Culv. & 10 cu. yds. uncl. excav. for outlet ditch. Remove 30" x 38" C.M.P.

130+37 ~ Req'd 50 cu. yds. uncl. excav. for Road Appr. & 18" x 40" C.M.P. Side Drain, Rt.

1/4 Section Line

HIGHWAY SIGN
PRIVATE SIGN

130+80 ~ Remove Sign, Rt.

130+70 ~ Remove & Reset U.S.G.S. Bench Mark (Work by State Forces. No Federal Aid.)

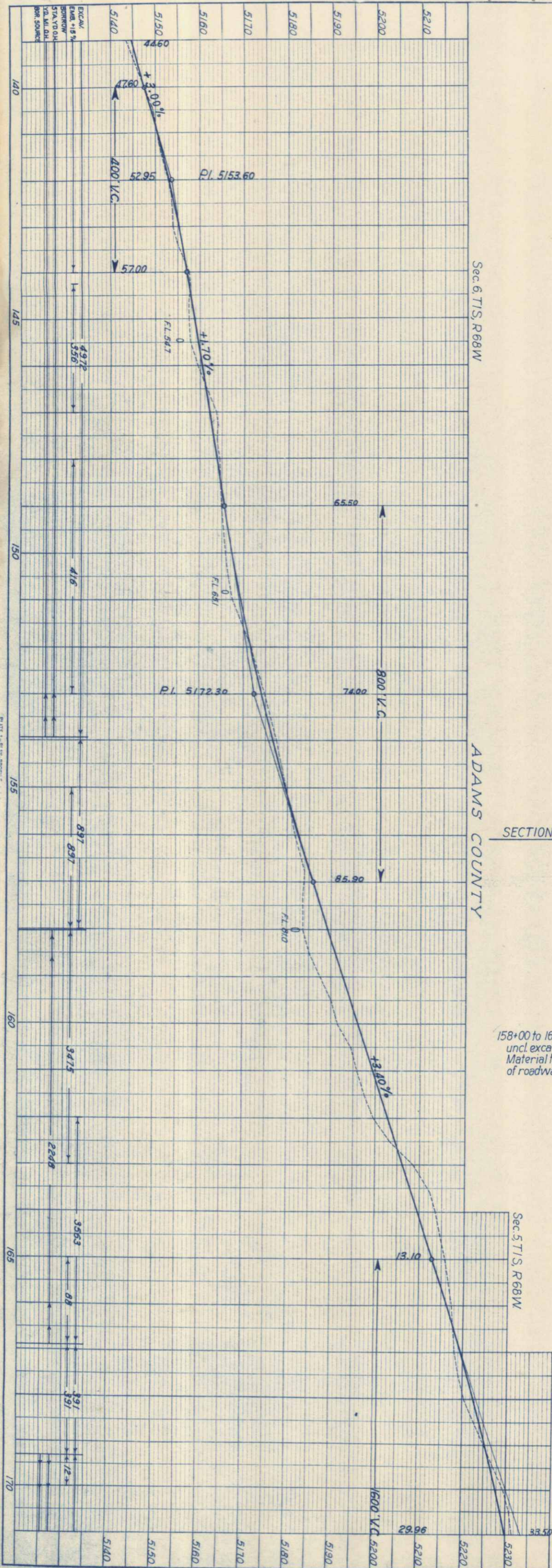
131+80 to 137+00 ~ Req'd 2200 cu. yds. uncl. excav. for channel change, Lt. & Rt. Use material to fill old channel along roadway fill, Lt.

134+15 ~ Remove 18" C.M.P.

135+75.5 to 136+00 ~ Req'd Bridge for details see Sheet No. 6 ~ Remove Bridge.

TYPICAL SECTION FOR CHANNEL CHANGE
Variable
20'-0"
Slope 1:1

FED. ROAD DIST. NO.	STATE	F.A.S. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	4-A (1)	24	



Sec 31, T1N, R68W

145+46~ Remove 15"x36' Metal Pipe.
Req'd 18"x48' C.M.P. Cross Culv.
& 5 cu. yds. uncl. excav. for inlet
ditch.

P.O.T. 147+12.4

150+50~Req'd 50 cu. yds. emb.
for road appr. on left.

SECTION LINE

150+85~Req'd 18"x52' C.M.P. Cross
Culvert & 35 cu. yds. uncl. excav.
for inlet ditch to extend north
along east side of road appr.

HIGHWAY SIGN

158+00~Req'd 24"x60' C.M.P. Cross
Culv. & 15 cu. yd. uncl. excav. for
outlet ditch.

158+00 to 162+50~Req'd 200 cu. yd.
uncl. excav. for drain ditch, Rt.
Material to be placed along toe
of roadway fill.

WELD COUNTY

Sec 32, T1N, R68W

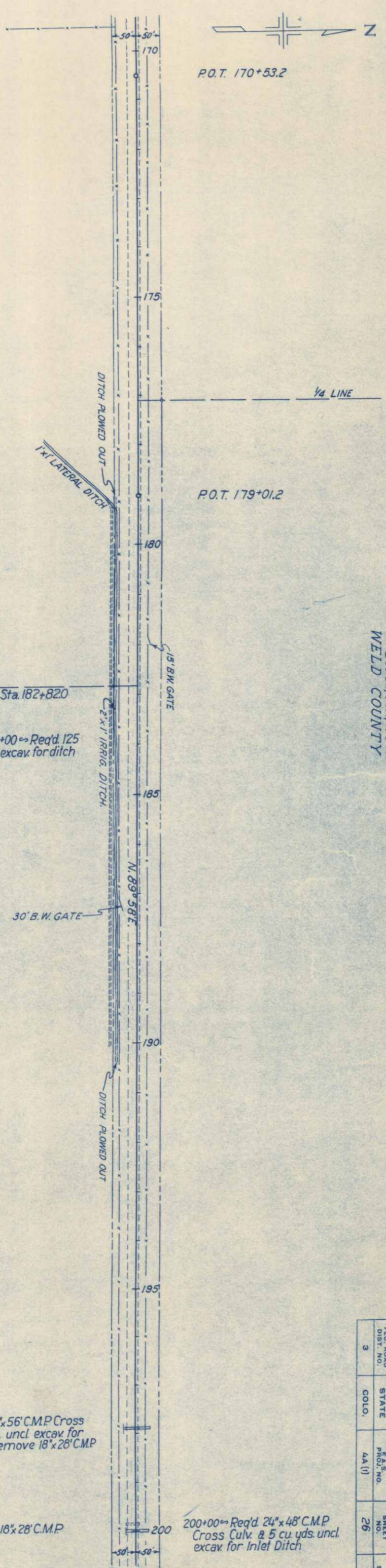
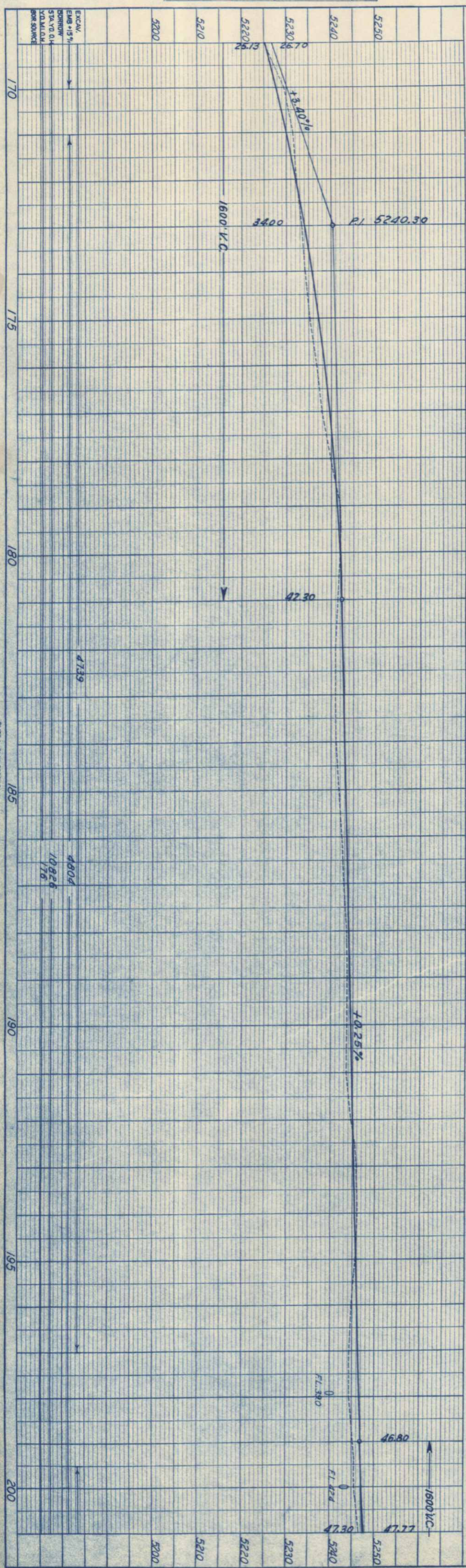
P.O.T. 163+59.5

P.O.T. 170+53.2

FED. ROAD DIST. NO.	STATE	F.A.S. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	4A (1)	25	

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	GRICES CHECKED		
	IS M.S. NOTED		
	STRUCTURE NOTATIONS CHKD.		

	SURVEYED	
	PLOTTED	
	ALIGNMENT CHECKED	
	RT. OF WAY CHECKED	



ADAMS COUNTY
Sec. 5, T1S, R68W

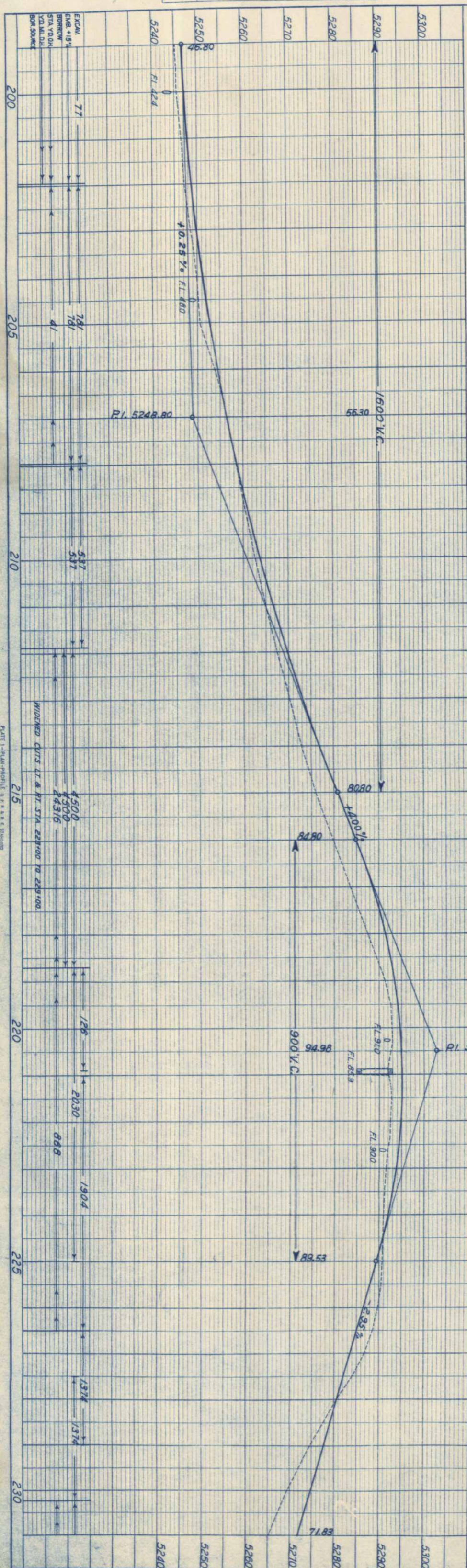
Sec. 32, T1N, R68W
WELD COUNTY

197+90 ~ Req'd. 24"x56" C.M.P. Cross
Culv. & 5 cu. yds. uncl. excav. for
inlet ditch. ~ Remove 18"x28" C.M.P.

199+84 ~ Remove 18"x28" C.M.P.

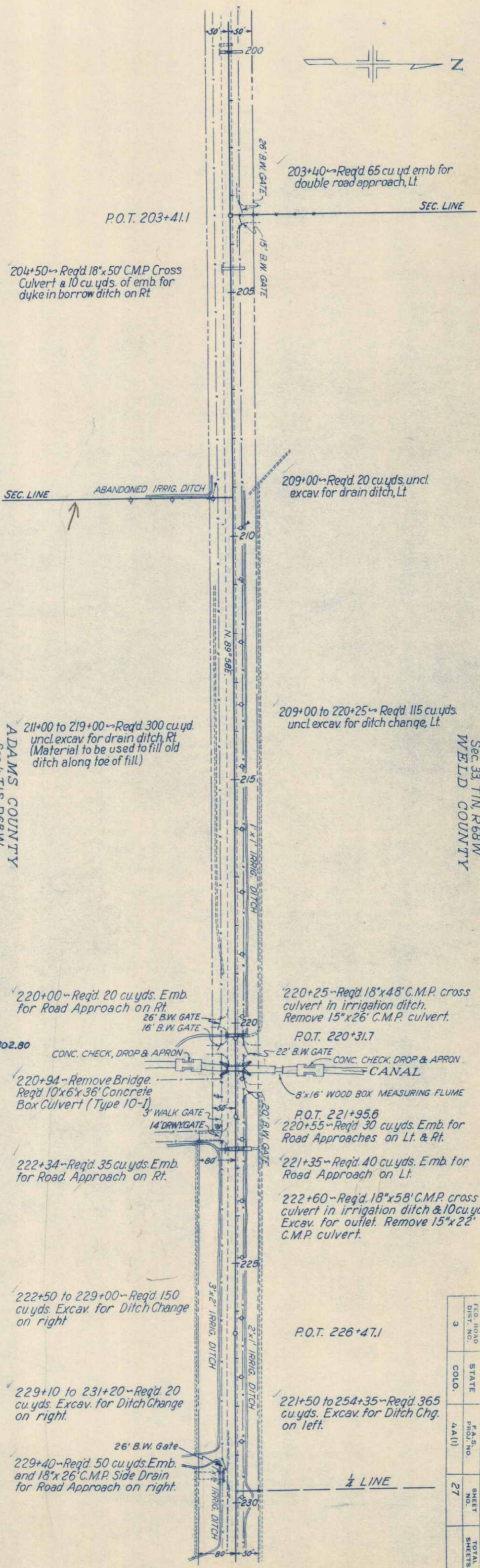
200+00 ~ Req'd. 24"x48" C.M.P.
Cross Culv. & 5 cu. yds. uncl.
excav. for Inlet Ditch

FED. ROAD DIST. NO.	STATE COLO.	F&S NO. 4A (1)	SHEET NO.	TOTAL SHEETS
3			26	



ADAMS COUNTY
Sec. 4, T1S, R68W

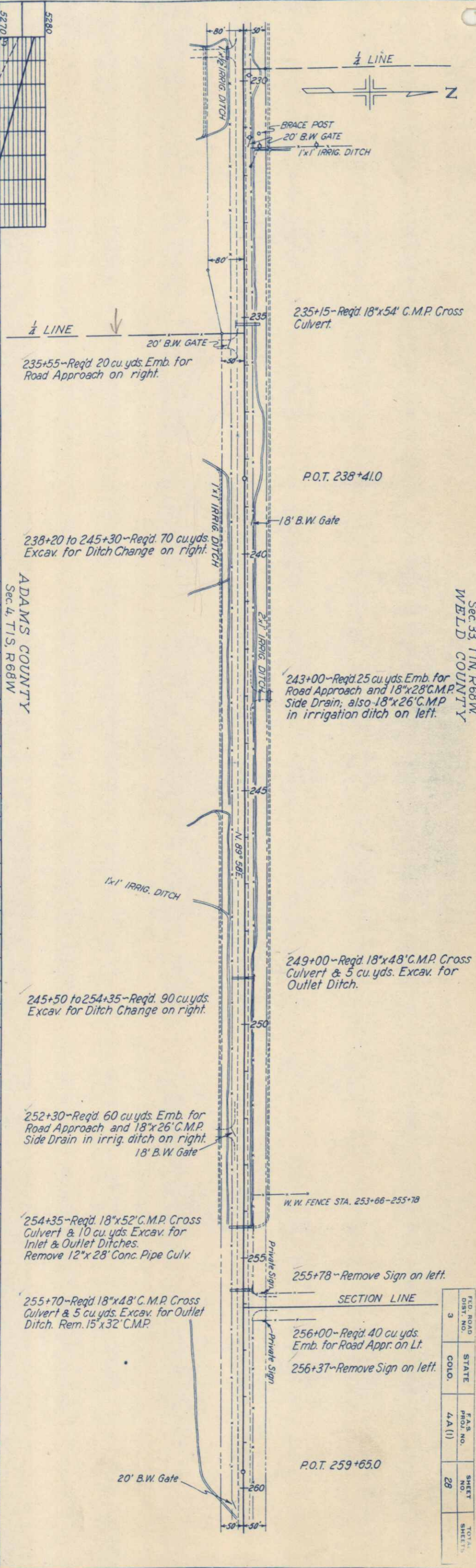
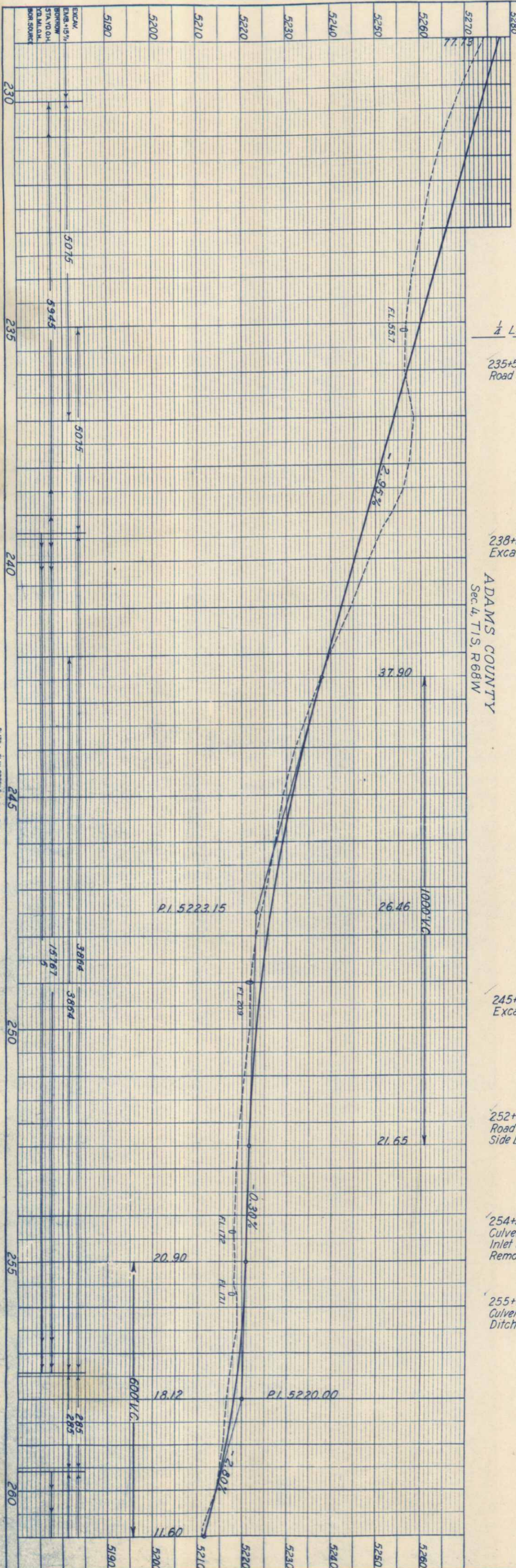
Sec. 33, T1N, R68W
WELD COUNTY



FED. ROAD DIST. NO.	STATE	F.A.S. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	4A(1)	27	

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	GRADES CHECKED		
	B. M. NOTED		
	STRUCTURE NOTED AS CHKD.		

PLAN	SURVEYED	BY	DATE
NOTE	PLOTTED		
NO.	LIGNMENT CHECKED		
	IT. OF WAY CHECKED		

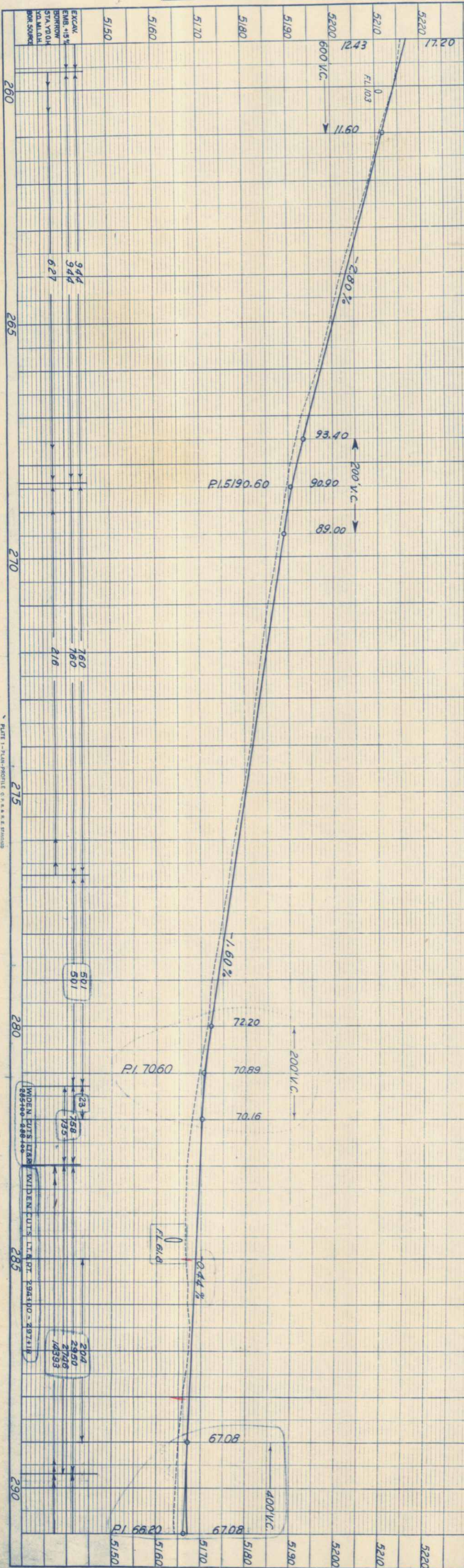


Sec. 33, T1N, R68W
WELD COUNTY

ADAMS COUNTY
Sec. 4, T1S, R68W

F.D. ROAD DIST. NO.	STATE	F.A.S. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	4A (1)	28	

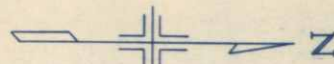
PLATE 1 - PLAN AND PROFILE - S. S. & E. T. 1910



ADAMS COUNTY
Sec. 3, T1S, R68W

260+10~Reqd. 18"x50' C.M.P. cross culvert and 50 cu. yds. uncl. excav. for ditch changes Lt. & Rt.
260+35~Reqd. 40 cu. yds. emb. for road approach Rt.
SEC. LINE
261+30~Reqd. 50 cu. yds. emb. for road approach. and 18"x40' C.M.P. culvert in irrig ditch Rt. Remove 1'x1'x24' W.B.C., Rt.
260+60 to 261+70~Reqd. 25 cu. yds. uncl. excav. for ditch change Rt.

P.O.T. 259+65



260+75~Remove 18"x38' C.M.P. culvert.

260+98~Remove sign Lt.

261+10~Reqd. 30 cu. yds. emb. for road approach Lt.

261+36~Remove & Reset U.S.G.S. bench mark (Work by State Forces. No Federal Aid.)

268+20~Reqd. 30 cu. yds. uncl. excav. for road approach and 18"x28' C.M.P. side drain Lt.

P.O.T. 282+47.2

284+60~Reqd. 48"x50' C.M.P. cross culvert and 25 cu. yds. uncl. excav. for outlet & inlet ditch. Remove 24"x32' C.M.P.

Sec. 34, T1N, R68W
WELD COUNTY

FILE NO.	STATE	F.A.S. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	4-A(1)	29	

REV. AS OF 9-14-38
E.H. & R.W.

