

FED. RD. DIST. NO.	STATE	FED. AID PROJECT	FISCAL YEAR
10	OHIO		1922

19

I.C.H. 145 SEC. L-2  
HOLMES COUNTY

STATE OF OHIO  
DEPARTMENT OF HIGHWAYS AND PUBLIC WORKS  
DIVISION OF HIGHWAYS  
BUREAU OF CONSTRUCTION

MANSFIELD-MILLERSBURG ROAD

I.C.H. No. 145 SEC. L-2 PET. NO. 4266

HOLMES COUNTY

WASHINGTON TWP.

MAR. 1922

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The Standard Specifications of the State of Ohio, Division of Highways in force on date of contract will govern this improvement.

I hereby approve these plans and declare that the making of this improvement will require the closing to traffic of the highway and that detours will be provided as shown on the plan and estimates.

Approved: *W. W. Purdy*  
Date, 3-13-22 Resident Engineer

Approved: *Walter G. Smith*  
Date, 4-6-22 Division Engineer

Approved: *E. H. Brown*  
Date, 11-5-22 State Highway Engineer

Approved: *Leon C. Henick*  
Date, 11-5-22 Director of Highways and Public Works.

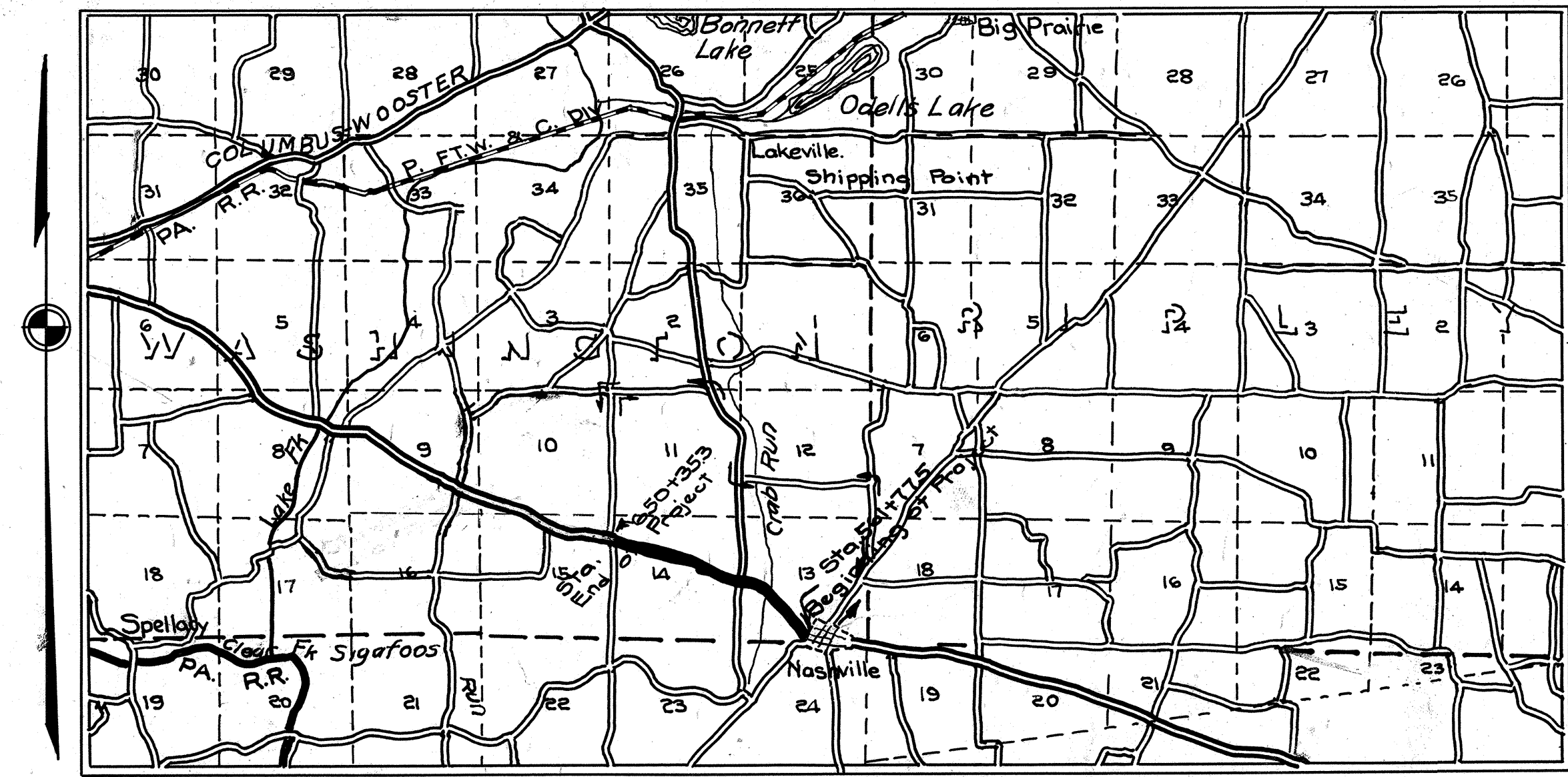
Recommended for Approval: \_\_\_\_\_  
Date, \_\_\_\_\_ District Engineer  
Bureau of Public Roads

Recommended for Approval: \_\_\_\_\_  
Date, \_\_\_\_\_ Chief Engineer  
Bureau of Public Roads

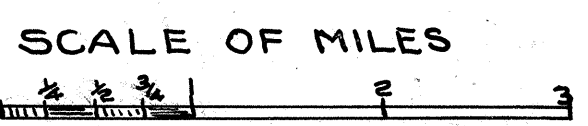
Approved: \_\_\_\_\_  
Date, \_\_\_\_\_ Chief of Bureau.

CONVENTIONAL SIGNS

- State line \_\_\_\_\_
- County line \_\_\_\_\_
- Township line \_\_\_\_\_
- Section line \_\_\_\_\_
- Property line not fenced. \_\_\_\_\_
- Center line \_\_\_\_\_
- City or village line \_\_\_\_\_
- Fence x x x
- Telephone or Telegraph T T T T T T T T
- Steam railroad \_\_\_\_\_



LOCATION PLAN



PORTION TO BE IMPROVED \_\_\_\_\_  
DETOURS SHOWN THUS \_\_\_\_\_

SCALES

- Plan 1"=100'
- Profile (Vertical) 1"=10'
- Profile (Horizontal) 1"=100'
- Cross Sections 1"=5'

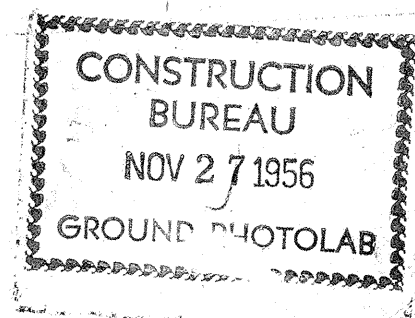
We, the Commissioners of Holmes County hereby approve these plans and certify that the right-of-way, 60 feet wide, is available for the construction, maintenance and repair of the highway.

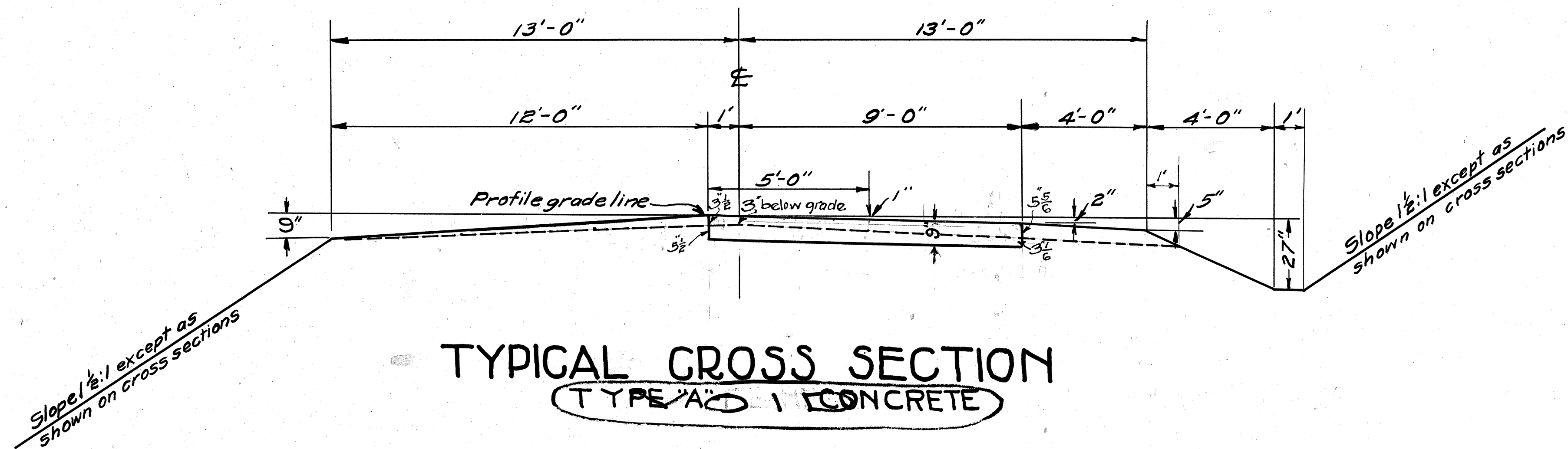
\_\_\_\_\_  
*D. J. Miller*

\_\_\_\_\_  
*W. H. Callahan*

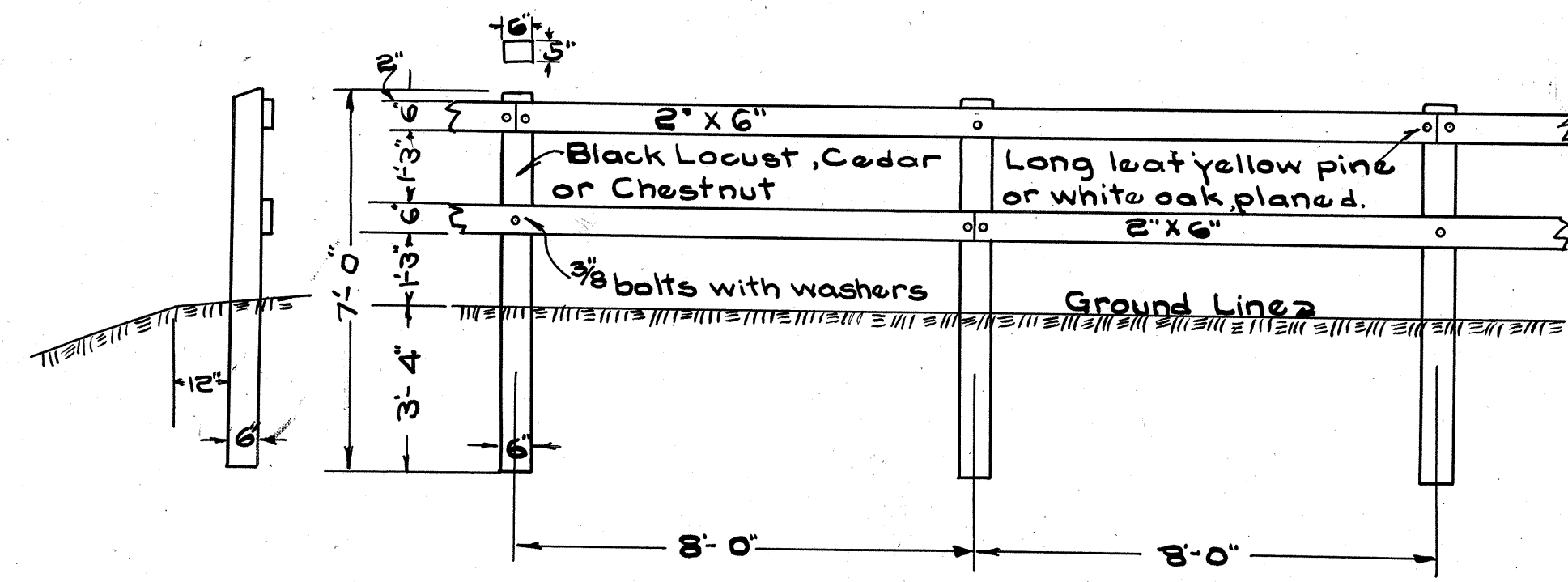
\_\_\_\_\_  
*H. A. Snyder*

Date, 3-13-22 County Commissioners





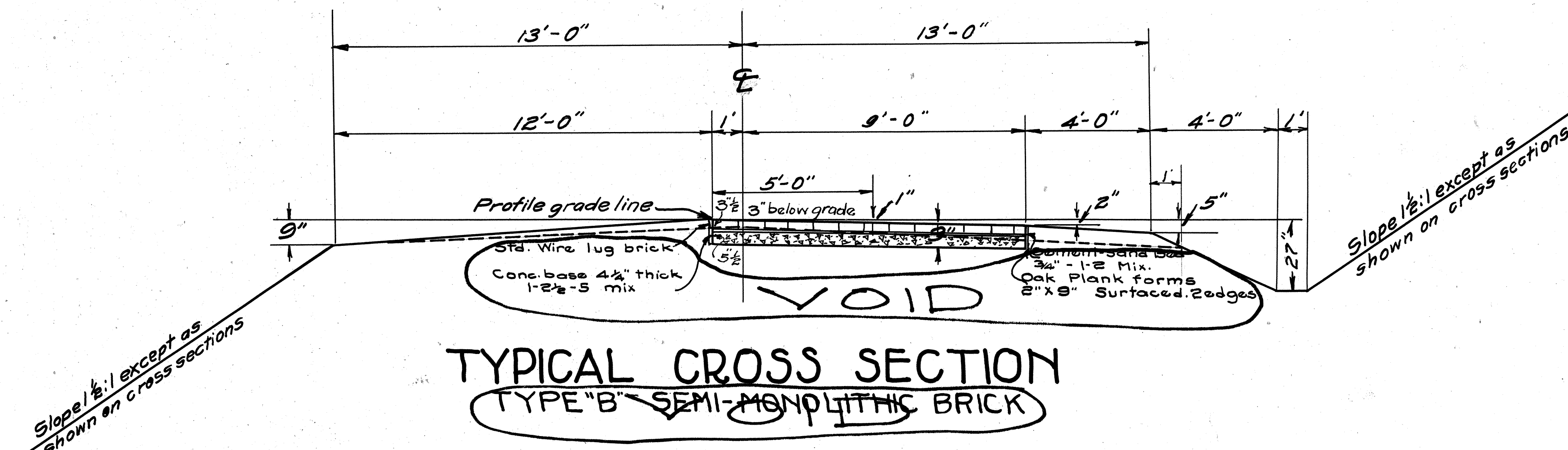
TYPICAL CROSS SECTION  
TYPE "A" CONCRETE



TYPICAL SECTION  
TYPE "E" GUARD RAIL

Note: All surfaces in contact to be painted before assembling, and all exposed surfaces to have two (2) coats of white lead and linseed oil paint. Posts to be set vertical, in line parallel to grade line. Posts to be cut at top as shown on plan. Rails to be secured to posts as shown, without splitting.

Note: In order to secure proper alignment and grade bolt holes shall be bored and the top of posts trimmed after the posts are set and the rails nailed to them. Note: Posts to be treated 1 foot below and 8 inches above ground with Carbolignum or Carbosota.



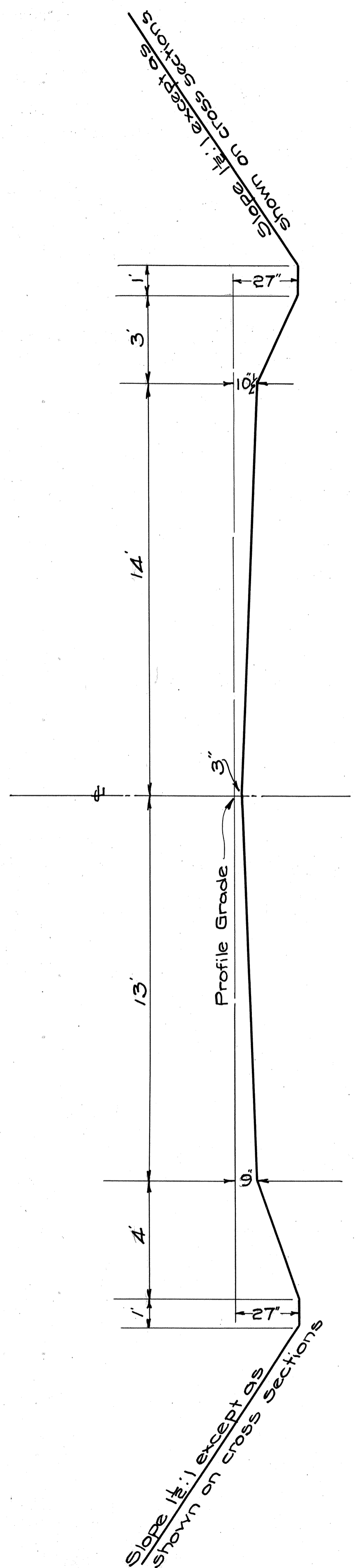
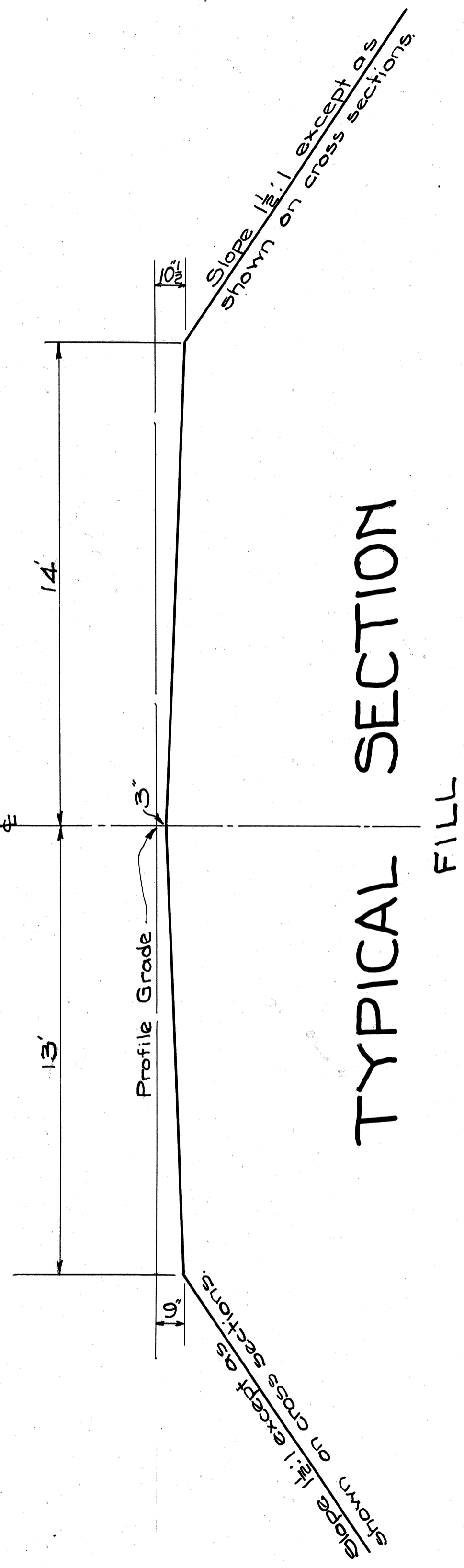
TYPICAL CROSS SECTION  
TYPE "B" SEMI-MONOLITHIC BRICK

Note: Details of pavement will be completed in accordance with specific instructions for the type determined upon for the specific project.

Note: Pavement on curves will be super elevated as shown by cross sections. See tables on alignment sheets.

Note: Special notes regarding pavement and foundation will be shown on this sheet.

BILL OF MATERIALS FOR TWO PANELS			
2	Wood Rails	2" 6"	16'
2	Posts	5" 6"	7'
6	Carriage Belts	3/8"	8"
6	Washers	7/16"	
0.716	Spikes		5"



Finished Grade shall not vary more than 2" from established grade.

	Left			Right		
STANDARD	Shoulder	Edge Pav.	Station	Grade Elev.	Edge Pav.	Station
		1124.46	570+492	1124.46	1124.29	
		1122.81	570+742	1122.77	1122.60	
		1121.25	570+992	1121.17	1121.00	
		1119.77	571+242	1119.66	1119.49	
		1118.38	571+492	1118.23	1118.06	
		1116.75	572+00	1115.60	1115.43	
		1115.35	572+50	1113.20	1113.03	
		1110.91	573+009	1110.76	1110.59	
		1109.67	573+259	1109.36	1109.39	
		1108.44	573+509	1108.36	1108.19	
		1107.20	573+759	1107.16	1106.99	
		1105.96	574+009	1105.96	1105.79	
			Max. Elevation:			

BY DATE  
 SURVEYED  
 SURVEY  
 NOTE BOOK  
 TEMPLATE  
 AREAS CHECKED

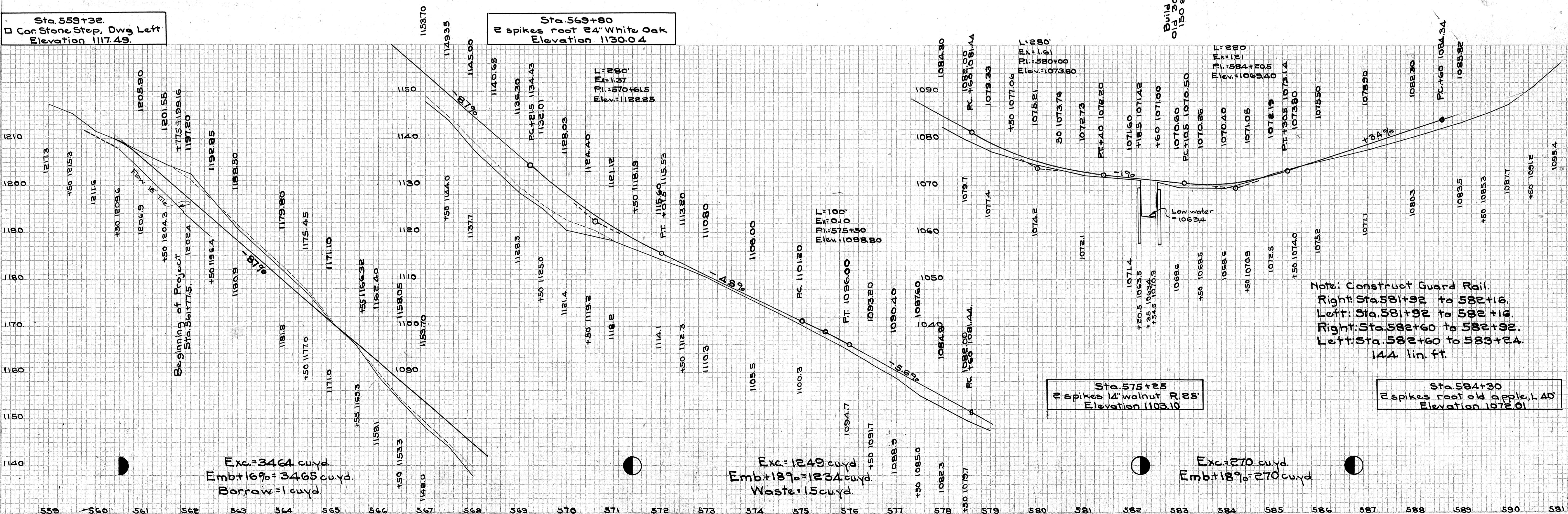
A=10°44'  
 D=10°  
 T=53.8  
 Ex=6.5  
 L=107.3

Sta. 559+32  
 Car Stone Step, Dwg Left  
 Elevation 1117.49

Sta. 569+80  
 2 spikes root 24" White Oak  
 Elevation 1130.04

Sta. 575+25  
 2 spikes 14" walnut R. 25'  
 Elevation 1103.10

Sta. 584+30  
 2 spikes root old apple, L. 40'  
 Elevation 1072.01



Note: Grade line shows edge of top surface of pavement left to left of F.

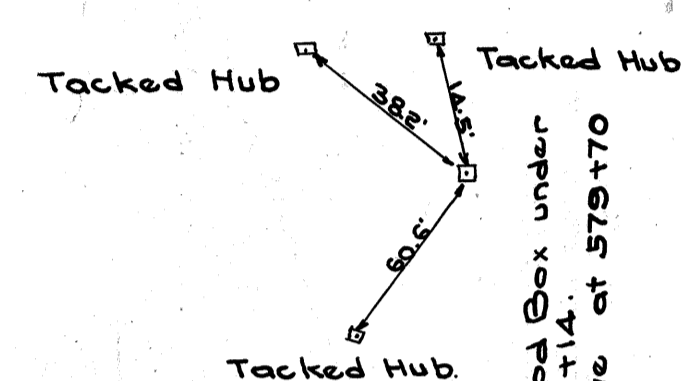
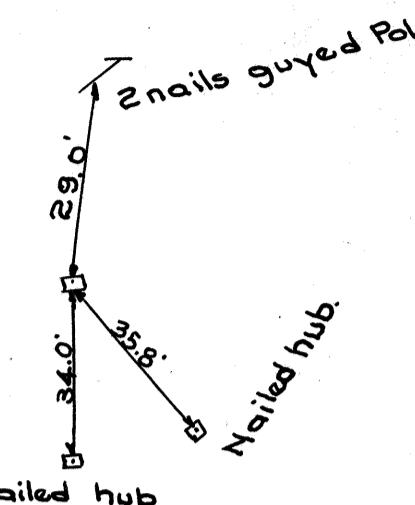
Build 25' x 20' 5" bridge to be abandoned 0.150 sq. ft. on 10' x 10' 5" structural sheet.

Note: Construct Guard Rail.  
 Right: Sta. 581+92 to 582+16.  
 Left: Sta. 581+92 to 582+16.  
 Right: Sta. 582+60 to 582+92.  
 Left: Sta. 582+60 to 583+24.  
 144 lin. ft.

Exc.=3464 cu yd.  
 Emb+16%=3465 cu yd.  
 Borrow=1 cu yd.

Exc.=1249 cu yd.  
 Emb+18%=1234 cu yd.  
 Waste=15 cu yd.

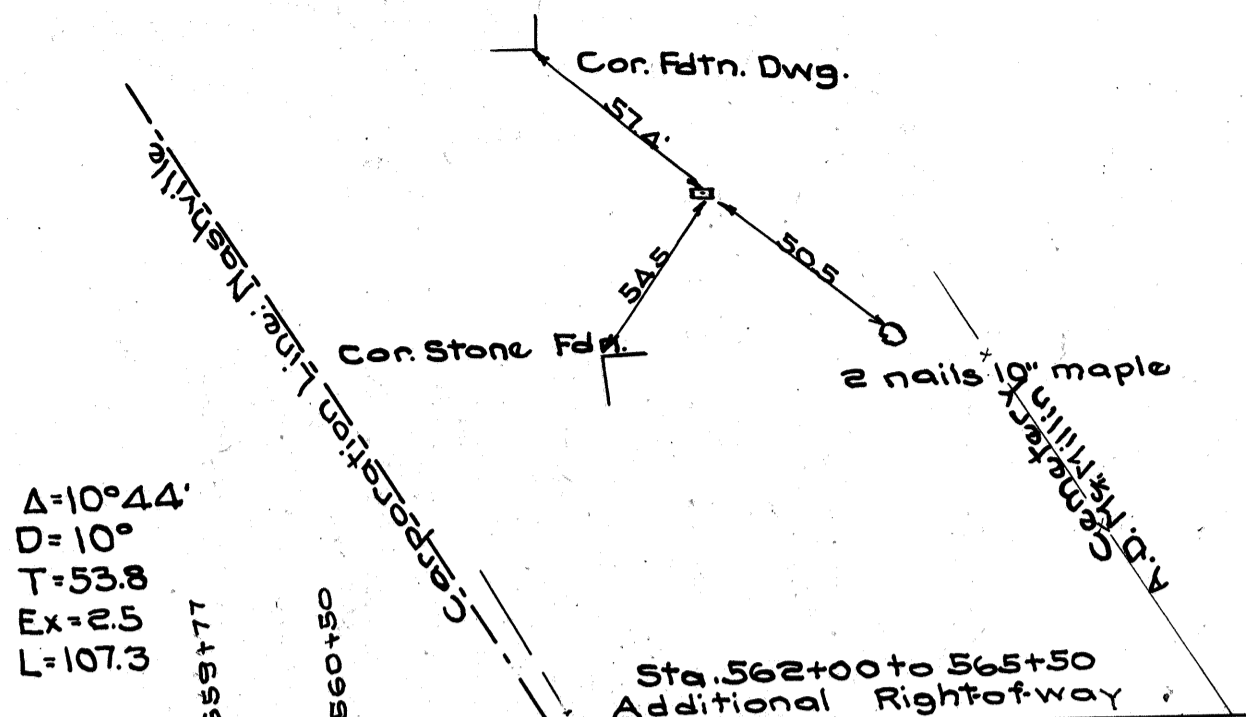
Exc.=270 cu yd.  
 Emb+18%=270 cu yd.



Remove present 18" V.S.P. and relay. Build 2 inlets and connect with 42 lin. ft. 18" solid C.I.P. & 1 joint 18" V.S.P. Relay to 18" V.S.P. from Sta. 560+15 to Sta. 562+14.5 Right to outlet from Sta. 562+14.5 Right. For details see sheet No. 13.

Remove Wood Box under drive Rt. 570+14. Make drive at 579+70

A=7°33'  
 D=3°  
 T=126.0  
 Ex=4.2  
 L=251.7



Sta. 579+72 Left  
 Lay 10' of 12" V.S.P. for approach

Sta. 579+70 Right  
 Lay 10' of 12" V.S.P. for approach

Sta. 584+09 Left  
 Lay 10' of 12" V.S.P.  
 Sta. 584+50  
 Lay 10' of 12" V.S.P.  
 Sta. 585+88  
 Lay 10' of 12" V.S.P.

A=11°00'  
 D=5°  
 T=110.3  
 Ex=5.3  
 L=220.0

2 nails guyed Pole

Nailed hub

CRAB RUN

FC. 581+99.0

PT. 584+18.0

FC. 584+18.0

PT. 584+18.0

FC. 584+18.0

PT. 584+18.0

FC. 584+18.0

PT. 584+18.0

FC. 584+18.0

PT. 584+18.0

FC. 584+18.0

PT. 584+18.0

FC. 584+18.0

PT. 584+18.0

FC. 584+18.0

PT. 584+18.0

FC. 584+18.0

PT. 584+18.0

FC. 584+18.0

PT. 584+18.0

FC. 584+18.0

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PT. 584+18.0

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PT. 584+18.0

FC. 584+18.0

PT. 584+18.0

FC. 584+18.0

PT. 584+18.0

FC. 584+18.0

PT. 584+18.0

FC. 584+18.0

PT. 584+18.0

FC. 584+18.0

PT. 584+18.0

FC. 584+18.0

PT. 584+18.0

FC. 584+18.0

PT. 584+18.0

FC. 584+18.0

PT. 584+18.0

FC. 584+18.0

PT. 584+18.0

FC. 584+18.0

PT. 584+18.0

FC. 584+18.0

PT. 584+18.0

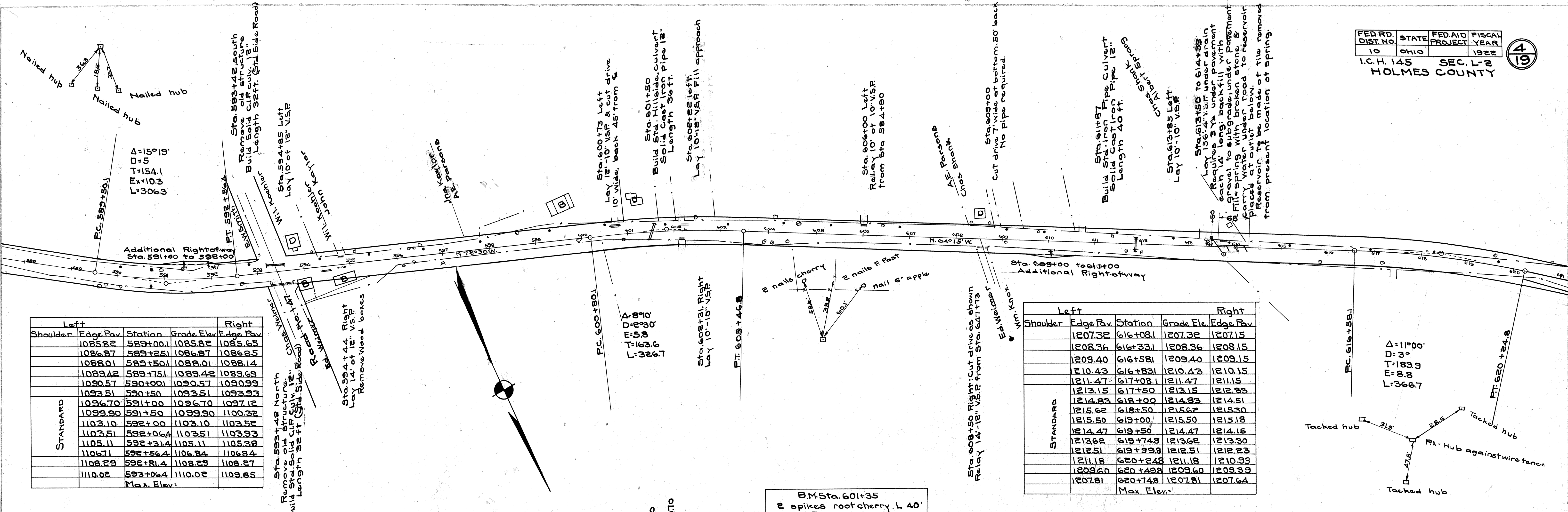
FC. 584+18.0

PT. 584+18.0

FC. 584+18.0

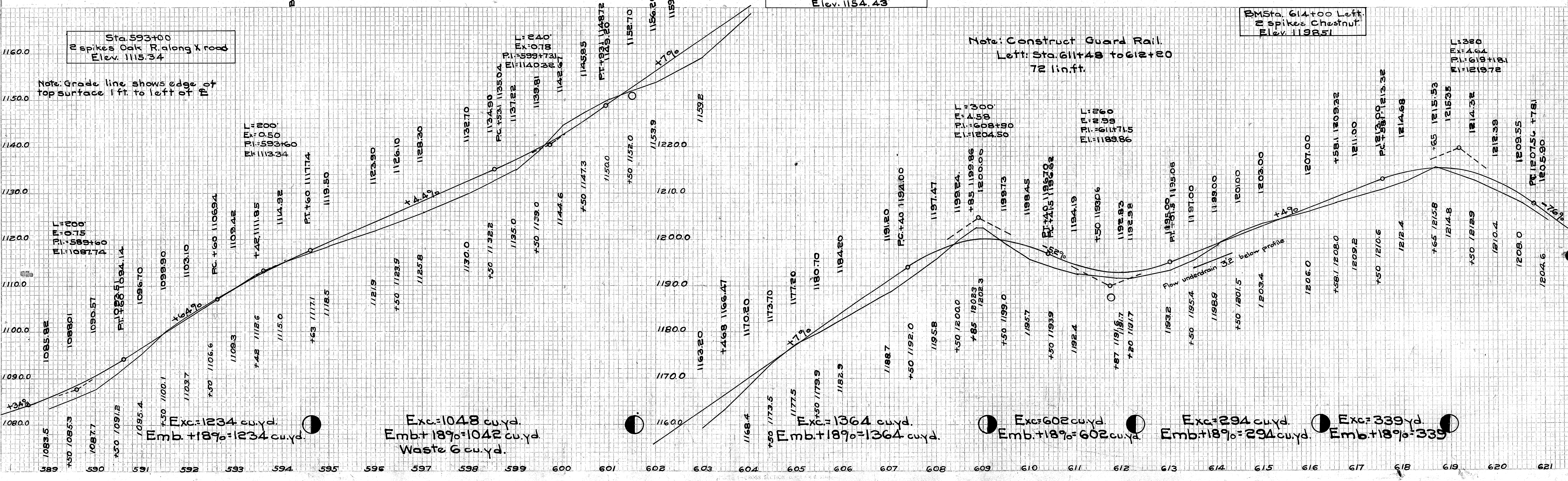
PT. 584+18.0

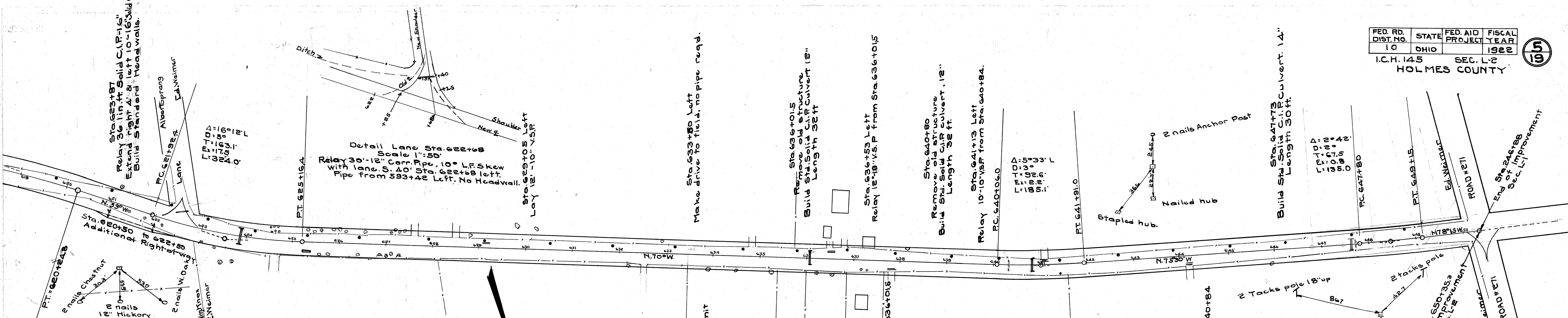
FINAL SURVEY  
NOTE BOOK  
DATE



	Left	Right		
Shoulder	Edge Pav.	Station	Grade Elev.	Edge Pav.
	1085.82	589+00.1	1085.82	1085.65
	1086.87	589+25.1	1086.87	1086.85
	1088.01	589+50.1	1088.01	1088.14
	1089.42	589+75.1	1089.42	1089.69
	1090.57	590+00.1	1090.57	1090.99
	1093.51	590+50	1093.51	1093.93
	1096.70	591+00	1096.70	1097.12
	1099.90	591+50	1099.90	1100.32
	1103.10	592+00	1103.10	1103.52
	1103.51	592+06.4	1103.51	1103.93
	1105.11	592+31.4	1105.11	1105.38
	1106.71	592+56.4	1106.84	1106.84
	1108.29	592+81.4	1108.29	1108.27
	1110.02	593+06.4	1110.02	1109.85
		Max. Elev.		

	Left	Right		
Shoulder	Edge Pav.	Station	Grade Elev.	Edge Pav.
	1207.32	616+08.1	1207.32	1207.15
	1208.36	616+33.1	1208.36	1208.15
	1209.40	616+58.1	1209.40	1209.15
	1210.43	616+83.1	1210.43	1210.15
	1211.47	617+08.1	1211.47	1211.15
	1213.15	617+50	1213.15	1212.83
	1214.83	618+00	1214.83	1214.51
	1215.62	618+50	1215.62	1215.30
	1215.50	619+00	1215.50	1215.18
	1214.47	619+50	1214.47	1214.16
	1213.62	619+74.8	1213.62	1213.30
	1212.51	619+99.8	1212.51	1212.63
	1211.18	620+24.8	1211.18	1210.33
	1209.60	620+49.8	1209.60	1209.39
	1207.81	620+74.8	1207.81	1207.64
		Max. Elev.		





	Left	Right
Shoulder	1202.68	1202.51
Edge Pav	1200.78	1200.76
Station	621+42.4	621+42.4
Grade	+67.4	+67.4
Edge Pav	1198.88	1199.01
Station	622+17.4	622+17.4
Grade	+122.4	+122.4
Edge Pav	1195.34	1195.76
Station	623+00	623+00
Grade	+50	+50
Edge Pav	1192.71	1193.13
Station	623+50	623+50
Grade	+50	+50
Edge Pav	1191.74	1192.16
Station	624+00	624+00
Grade	+50	+50
Edge Pav	1193.48	1193.90
Station	624+50	624+50
Grade	+66.4	+66.4
Edge Pav	1194.23	1194.65
Station	625+16.4	625+16.4
Grade	+91.4	+91.4
Edge Pav	1197.34	1197.76
Station	625+66.4	625+66.4
Grade	+141.4	+141.4
Edge Pav	1201.51	1201.93

Sta. 625+30 Right  
Lay 12-10" V.S.P. for drive

B.M. Sta. 628+70 Left 20' Spike 12" Walnut Elevation 1224.29

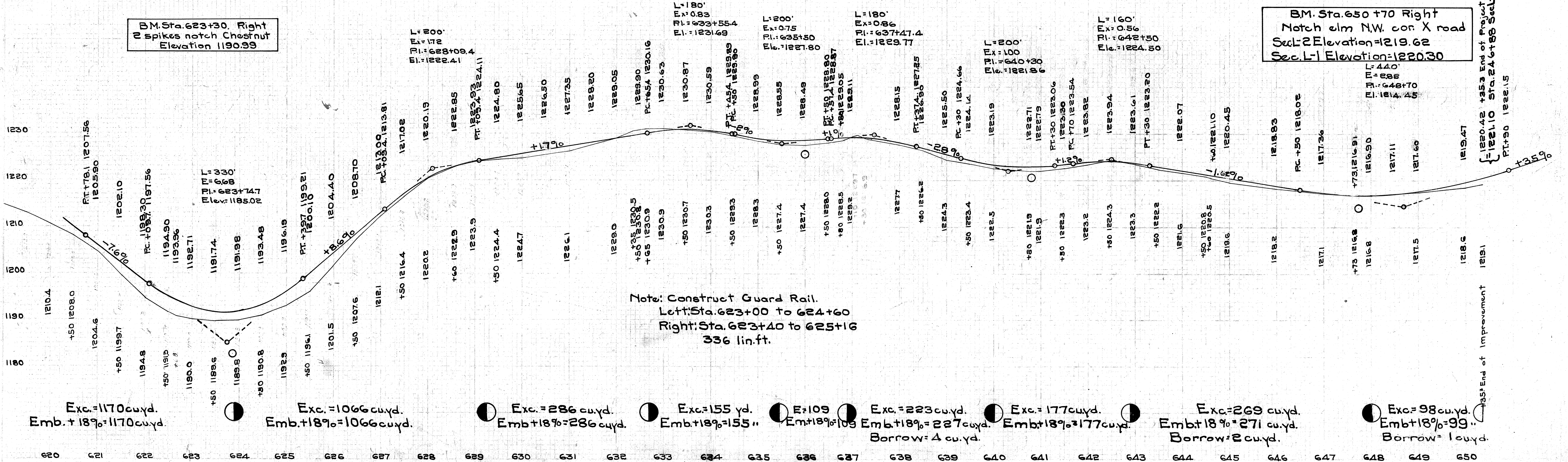
B.M. Sta. 637+65 Right 2 spikes 12" maple, R. 23' Elevation 1229.93

	Left	Right
Shoulder	1224.00	1224.00
Edge Pav	1223.49	1223.49
Station	640+00	640+00
Grade	+50	+50
Edge Pav	1223.11	1223.19
Station	640+50	640+50
Grade	+50	+50
Edge Pav	1222.85	1223.05
Station	641+00	641+00
Grade	+50	+50
Edge Pav	1222.72	1223.04
Station	641+50	641+50
Grade	+50	+50
Edge Pav	1223.19	1223.51
Station	642+00	642+00
Grade	+50	+50
Edge Pav	1223.75	1223.83
Station	642+50	642+50
Grade	+50	+50
Edge Pav	1223.95	1223.78

Sta. 644+18 Right  
Relay 10-10" V.S.P. from Sta. 640+84

	Left	Right
Shoulder	1217.09	1216.92
Edge Pav	1216.95	1216.87
Station	647+30	647+30
Grade	+55	+55
Edge Pav	1216.90	1216.92
Station	648+05	648+05
Grade	+50	+50
Edge Pav	1216.99	1217.02
Station	648+50	648+50
Grade	+50	+50
Edge Pav	1217.11	1217.32
Station	649+15	649+15
Grade	+50	+50
Edge Pav	1217.23	1217.44
Station	649+50	649+50
Grade	+50	+50
Edge Pav	1217.48	1217.60
Station	650+00	650+00
Grade	+50	+50
Edge Pav	1218.21	1218.13
Station	650+50	650+50
Grade	+50	+50
Edge Pav	1218.68	1218.51

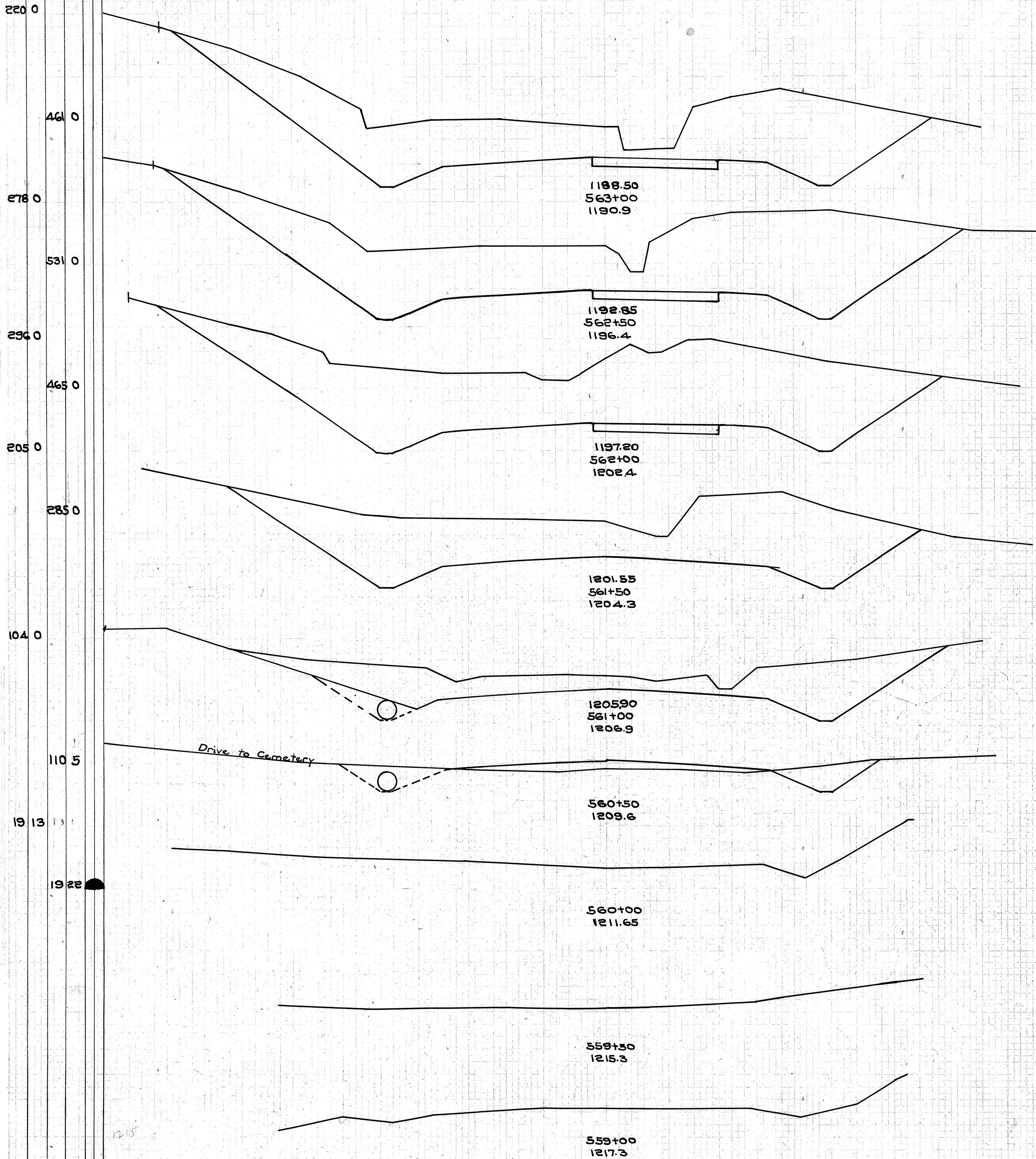
B.M. Sta. 650+70 Right  
Notch elm N.W. cor. X road  
Sec. 2 Elevation = 1219.62  
Sec. L-1 Elevation = 1220.30



Note: Construct Guard Rail.  
Left: Sta. 623+00 to 624+60  
Right: Sta. 623+40 to 625+16  
336 lin. ft.

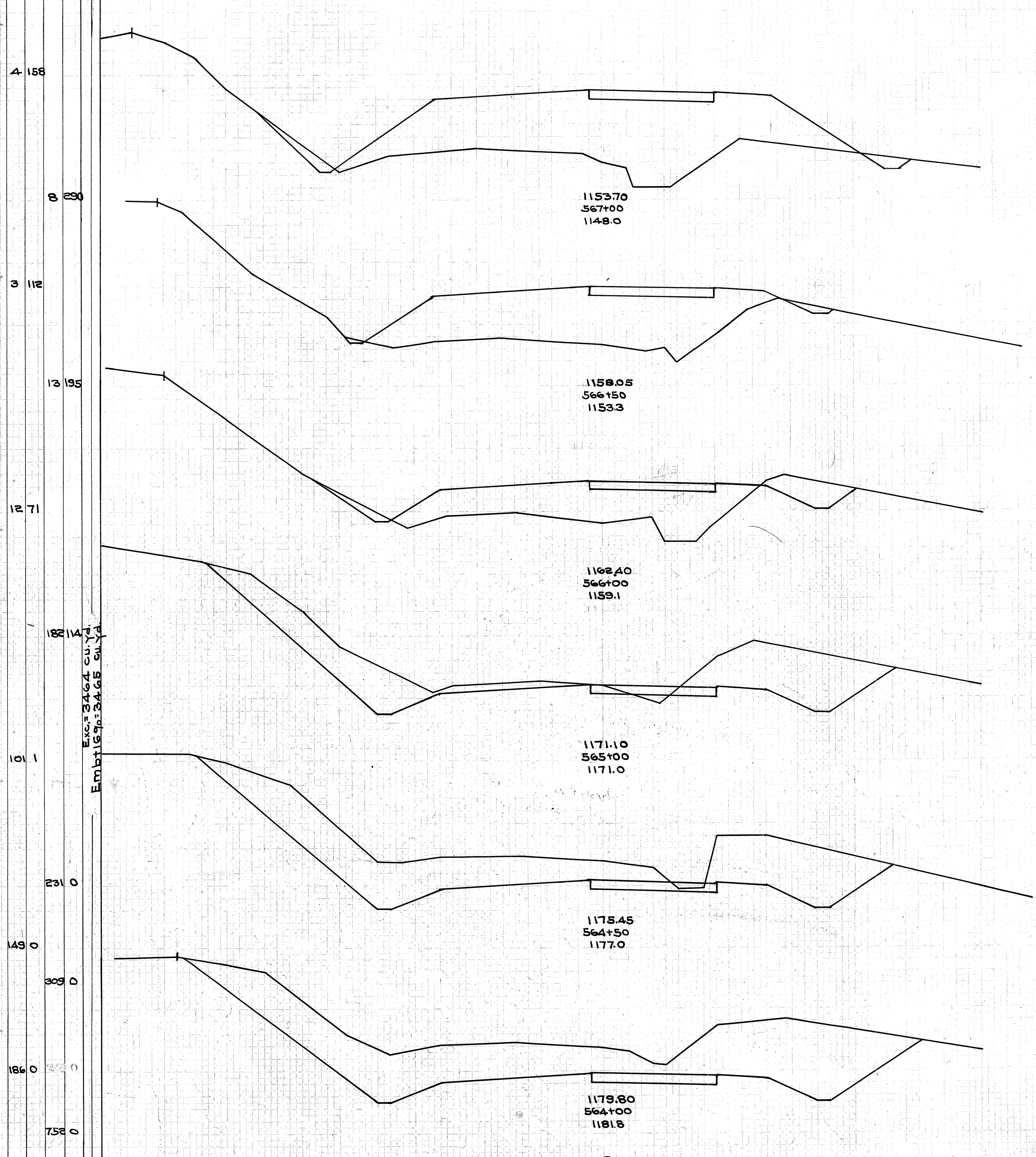
Exc. = 1170 cu. yd. Emb. + 18% = 1170 cu. yd.  
Exc. = 1066 cu. yd. Emb. + 18% = 1066 cu. yd.  
Exc. = 286 cu. yd. Emb. + 18% = 286 cu. yd.  
Exc. = 155 yd. Emb. + 18% = 155 yd.  
Exc. = 109 yd. Emb. + 18% = 109 yd.  
Exc. = 223 cu. yd. Emb. + 18% = 227 cu. yd. Borrow = 4 cu. yd.  
Exc. = 177 cu. yd. Emb. + 18% = 177 cu. yd.  
Exc. = 269 cu. yd. Emb. + 18% = 271 cu. yd. Borrow = 2 cu. yd.  
Exc. = 98 cu. yd. Emb. + 18% = 99 yd. Borrow = 1 cu. yd.

Emb Area Cu Yds  
Cut/Fill Cut/Fill



2

Emb Area Cu Yds  
Cut/Fill Cut/Fill



2

2

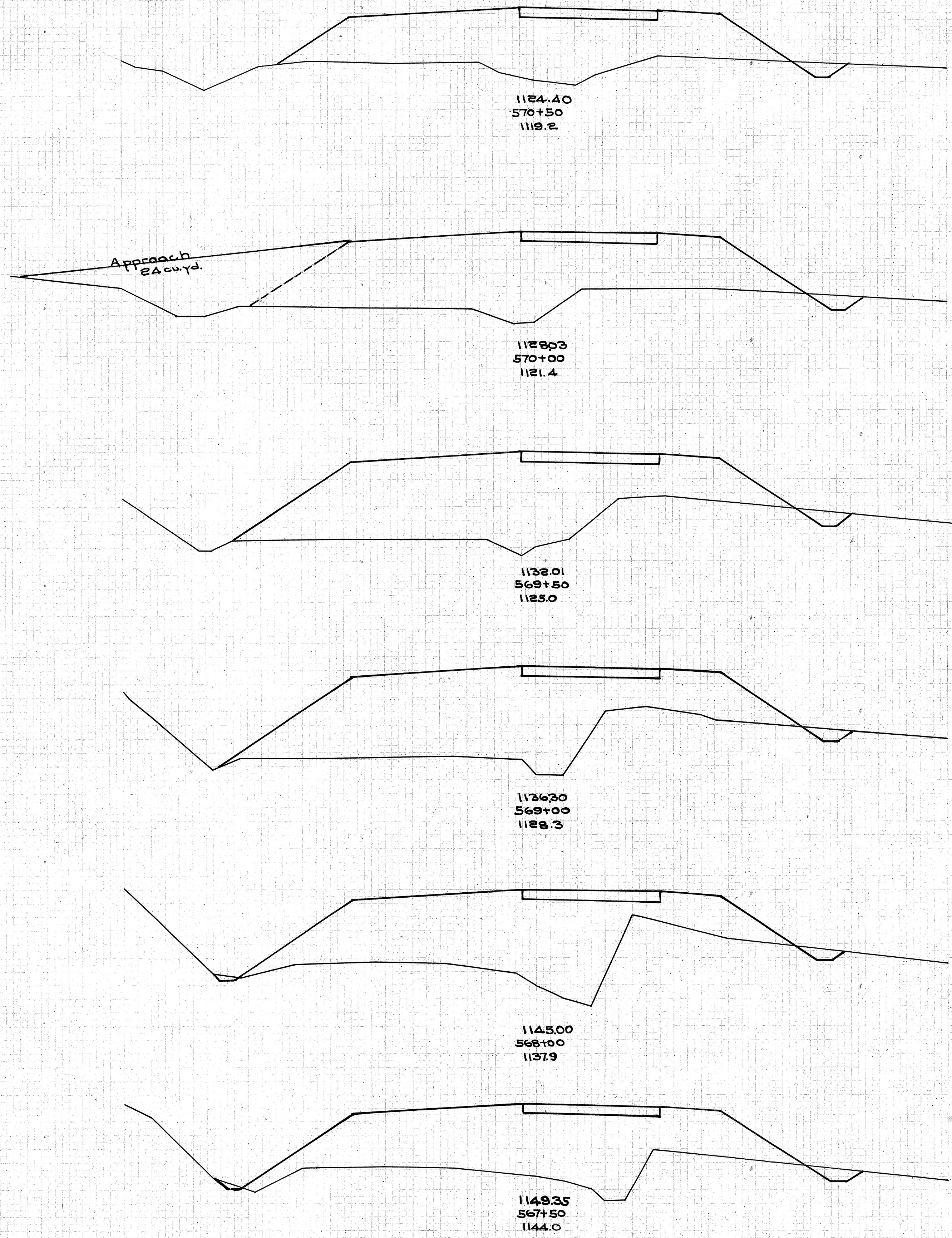
FED. RD. DIST. NO.	STATE	FED. AID PROJECT	FISCAL YEAR
10	OHIO	SEC. L-2	1922

I.C.H. 145 HOLMES COUNTY

6  
19

End Area  
Cu. Yd.  
Cu. Fill Cu. Fill

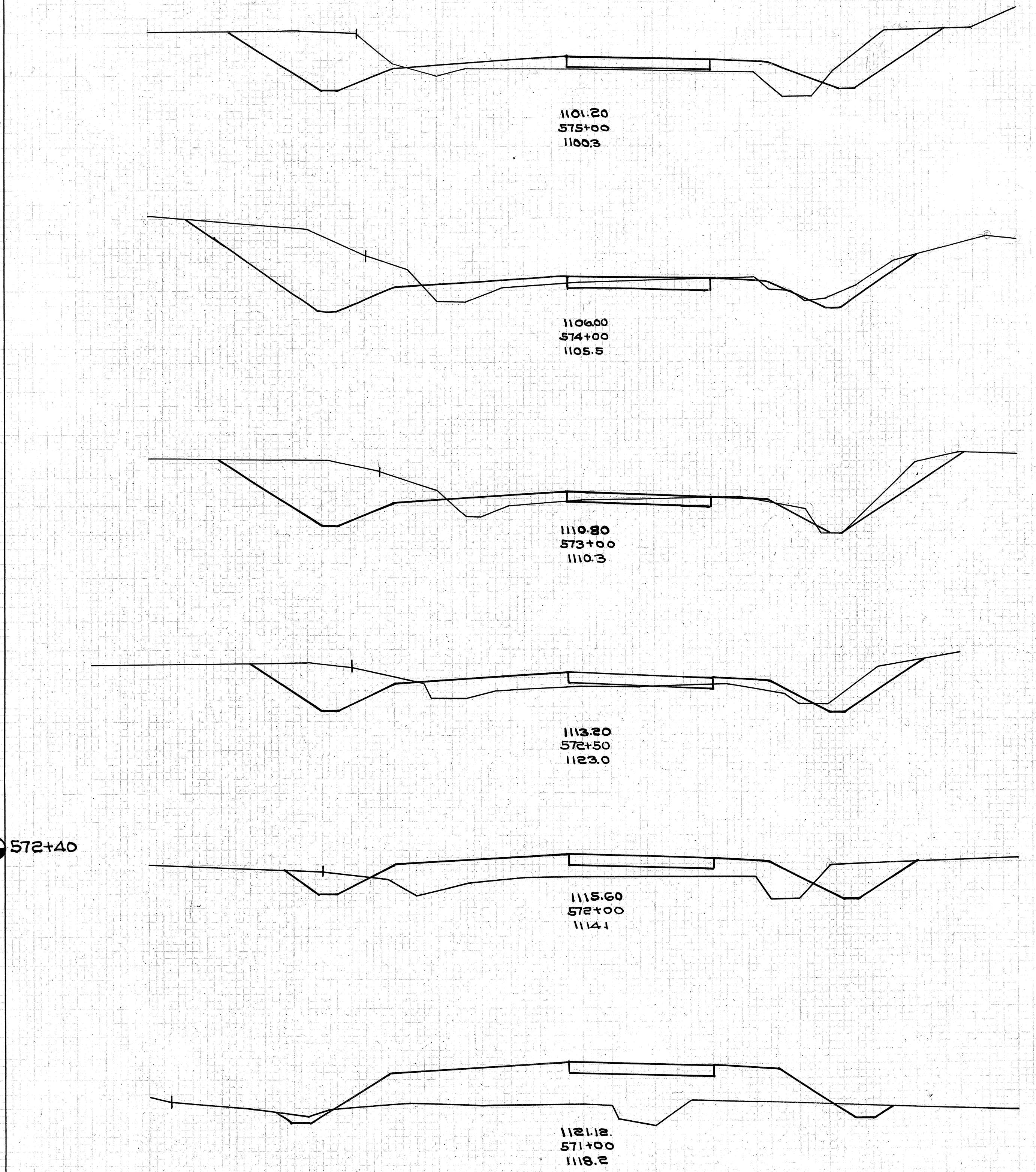
2 117  
4 292  
2 155  
2 4  
4 341  
2 163  
4 354  
2 170  
9 682  
3 150  
6 316  
3 144  
6 324



E

End Area  
Cu. Yd.  
Cu. Fill Cu. Fill

42 14  
174 48  
52 9  
181 35  
46 7  
65 24  
25 15  
39 58  
16 39  
33 24  
2 76  
3 206



E

Emb Area Cu Yds  
Cut/Fill/Cut/Fill

621  
20149  
547  
15120  
1262  
37140  
2865  
85144  
6468  
128125  
7545  
14696  
8343  
13981  
6732  
20298

Exc = 1249 cu yd  
Emb = 188-1254 cu yd

E

1075.21  
580+00  
1074.2

1079.33  
579+00  
1077.4

1082.00  
578+50  
1079.7

1084.80  
578+00  
1082.3

1087.60  
577+50  
1085.0

1090.40  
577+00  
1088.8

1093.20  
576+50  
1091.7

1096.00  
576+00  
1094.7

E

Emb Area Cu Yds  
Cut/Fill/Cut/Fill

313  
3124  
420  
555  
230  
474  
138  
266  
136  
1327  
622  
427  
1979  
69  
2266

582+18.5

F

1071.05  
584+50  
1070.9

1070.40  
584+00  
1069.6

1070.26  
583+50  
1069.5

1070.60  
583+00  
1069.6

1071.00  
582+60  
1070.3

1071.42  
582+18.5  
1071.0

1071.60  
582+00  
1071.4

1072.73  
581+00  
1072.1

F

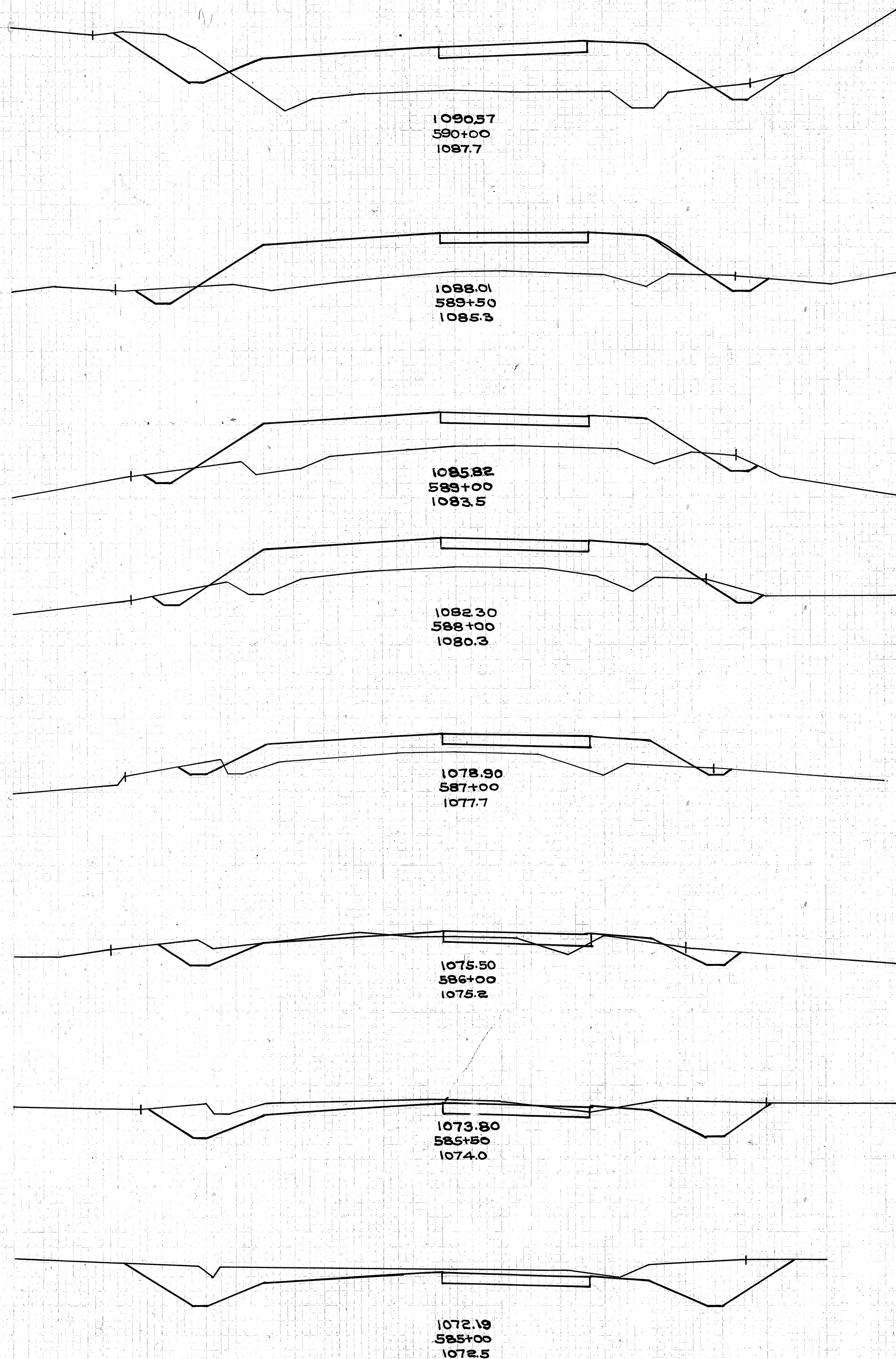
FED. RD. DIST. NO. 10  
STATE OHIO  
FED. AID PROJ. NO. I.C.H. 145  
FISCAL YEAR 1962  
SEC. L-2  
HOLMES COUNTY

8  
19

End Area Cu. Yd.  
Cut/Fill Cut/Fill

14 85  
17 173  
4 77  
8 160  
4 69  
15 280  
4 59  
11 203  
2 34  
24 79  
11 2  
44 5  
37 1  
85 0  
56 0  
81 4

Exc. 1834 cu. yd.  
Emb. 1834 cu. yd.



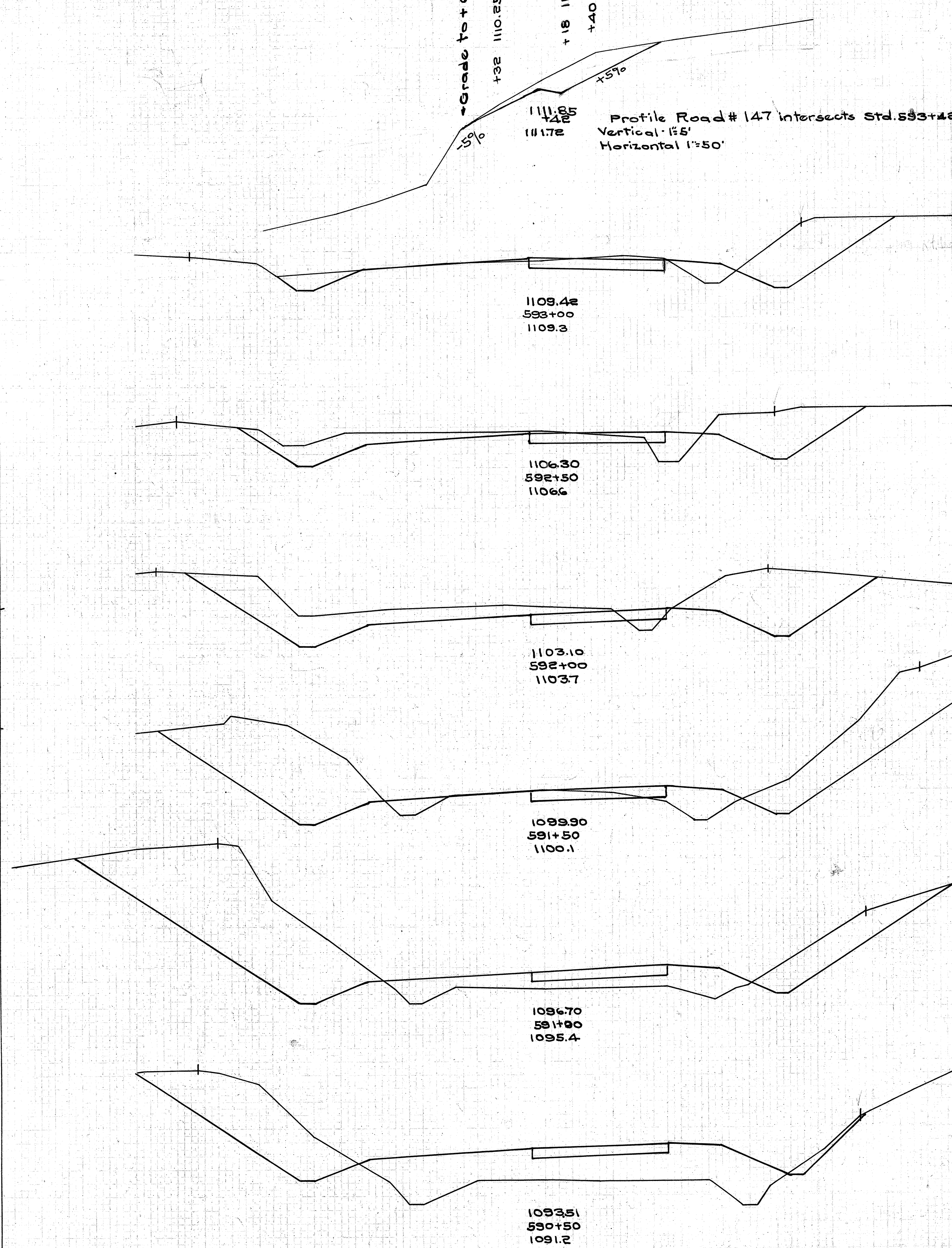
E

E

End Area Cu. Yd.  
Cut/Fill Cut/Fill

41 4  
81 9  
46 5  
122 7  
87 1  
198 13  
124 11  
237 44  
123 30  
167 114  
52 74  
61 173

Exc. 1834 cu. yd.  
Emb. 1834 cu. yd.



F

F

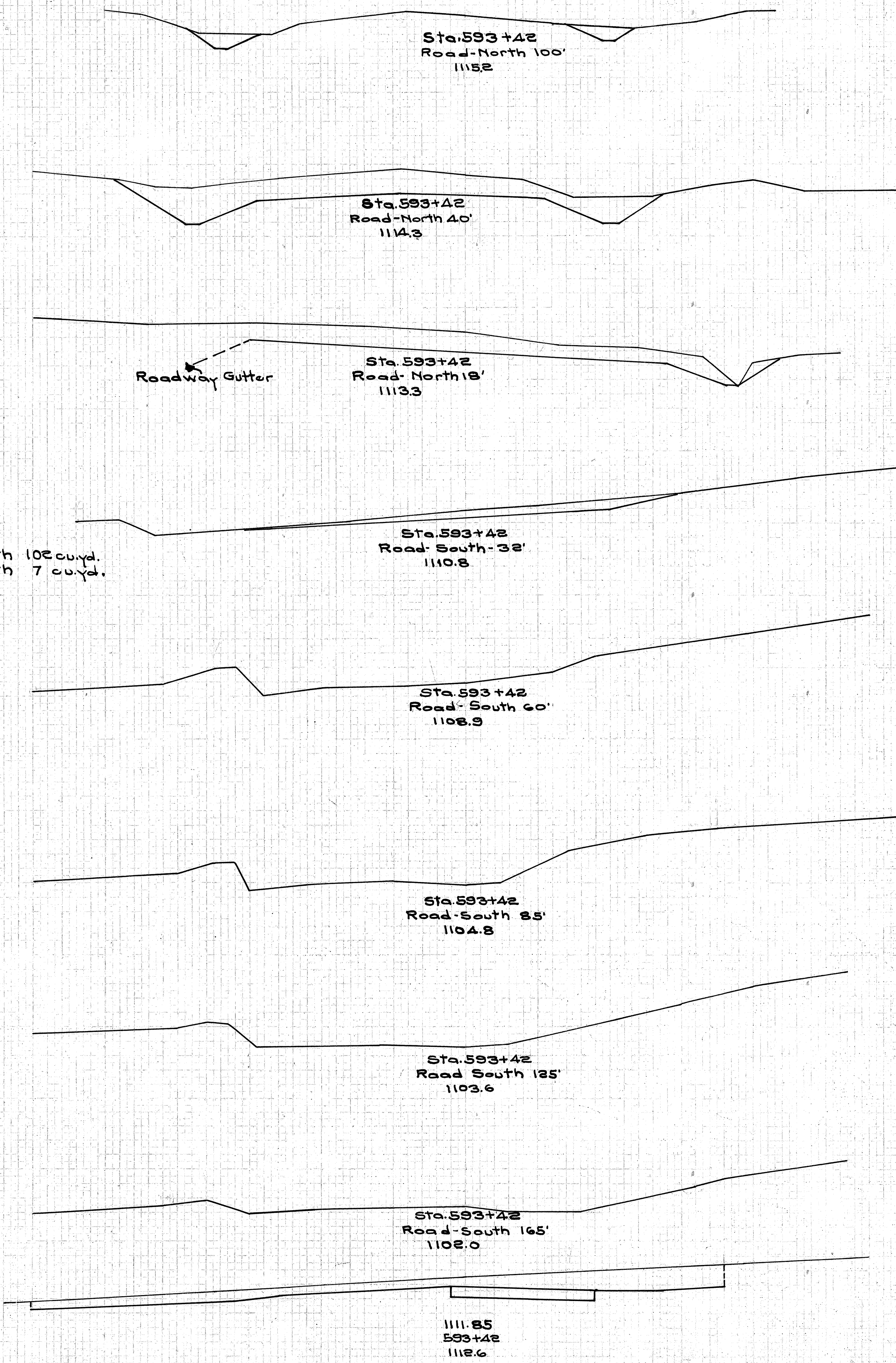
FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR
10	OHIO		1922
I.C.H. 145		SEC. L-2	
HOLMES COUNTY.			

9  
19

End Area	Cu Yd.
Cut	Fill

106	7
450	
672	

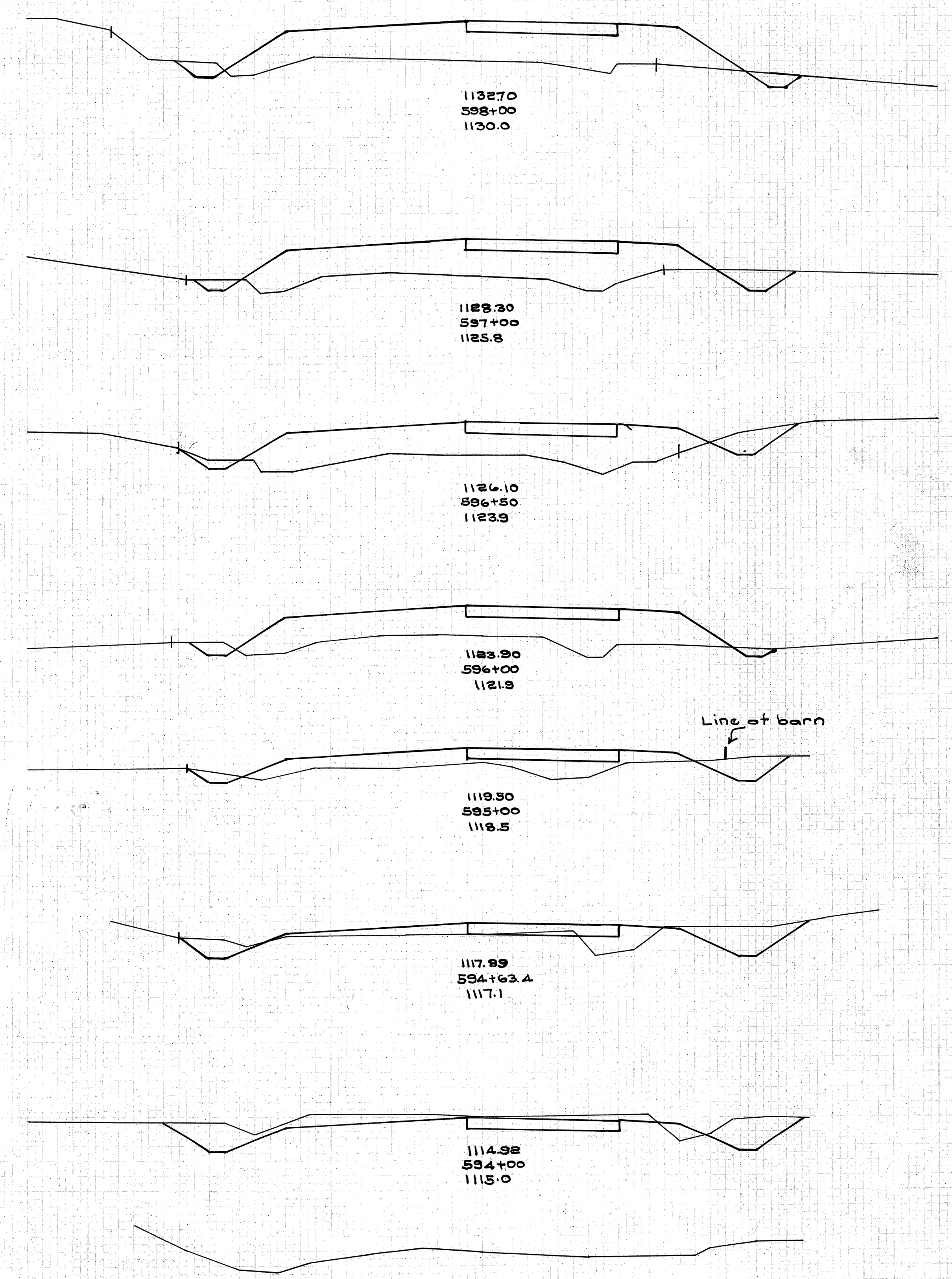
Road North 102 cu.yd.  
Road South 7 cu.yd.



End Area	Cu Yd.
Cut	Fill

4.68	
15.28	
4.61	
11.12	
7.58	
9.12	
3.56	
19.17	
7.26	
13.31	
12.11	
52.17	594+63
33.1	
83.2	

Road North 102 cu.yd.  
Road South 7 cu.yd.



FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR
10	OHIO		1922
I.C.H. 145		SEC. L-2	
HOLMES		COUNTY	

10  
19

19

19

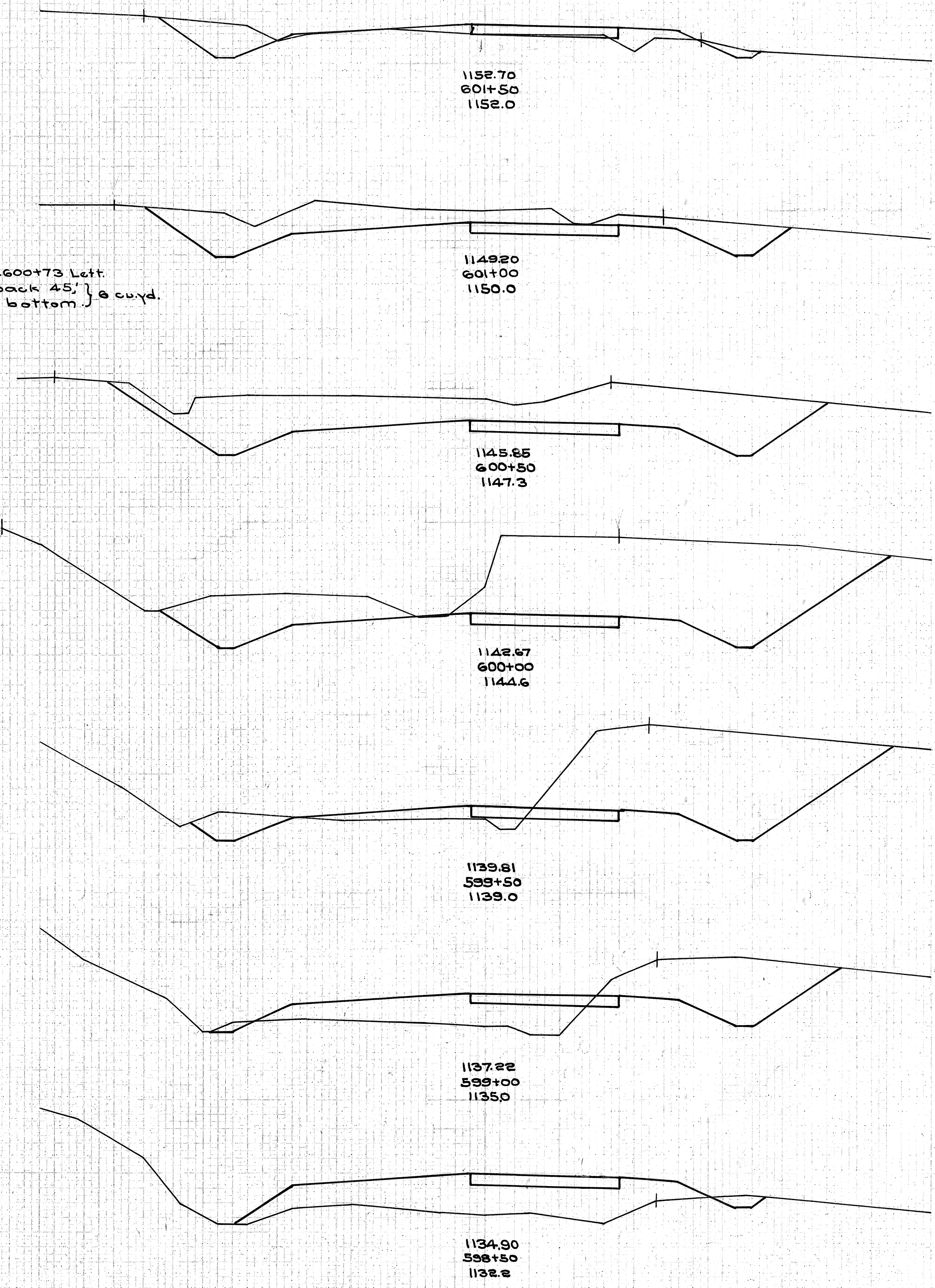
End Area Cu. Yd.  
Cut Fill Cut Fill

157  
69.7  
60.0  
158.0  
6  
113.0  
267.0  
175.0  
274.7  
120.7  
152.46  
453.4  
44.96  
2.55  
6.123

601+55

Sta. 600+73 Left.  
Cut drive back 45' } 8 cu. yd.  
10' wide at bottom

Exc. = 1048 cu. yd.  
Emb. = 1892.1048 cu. yd.



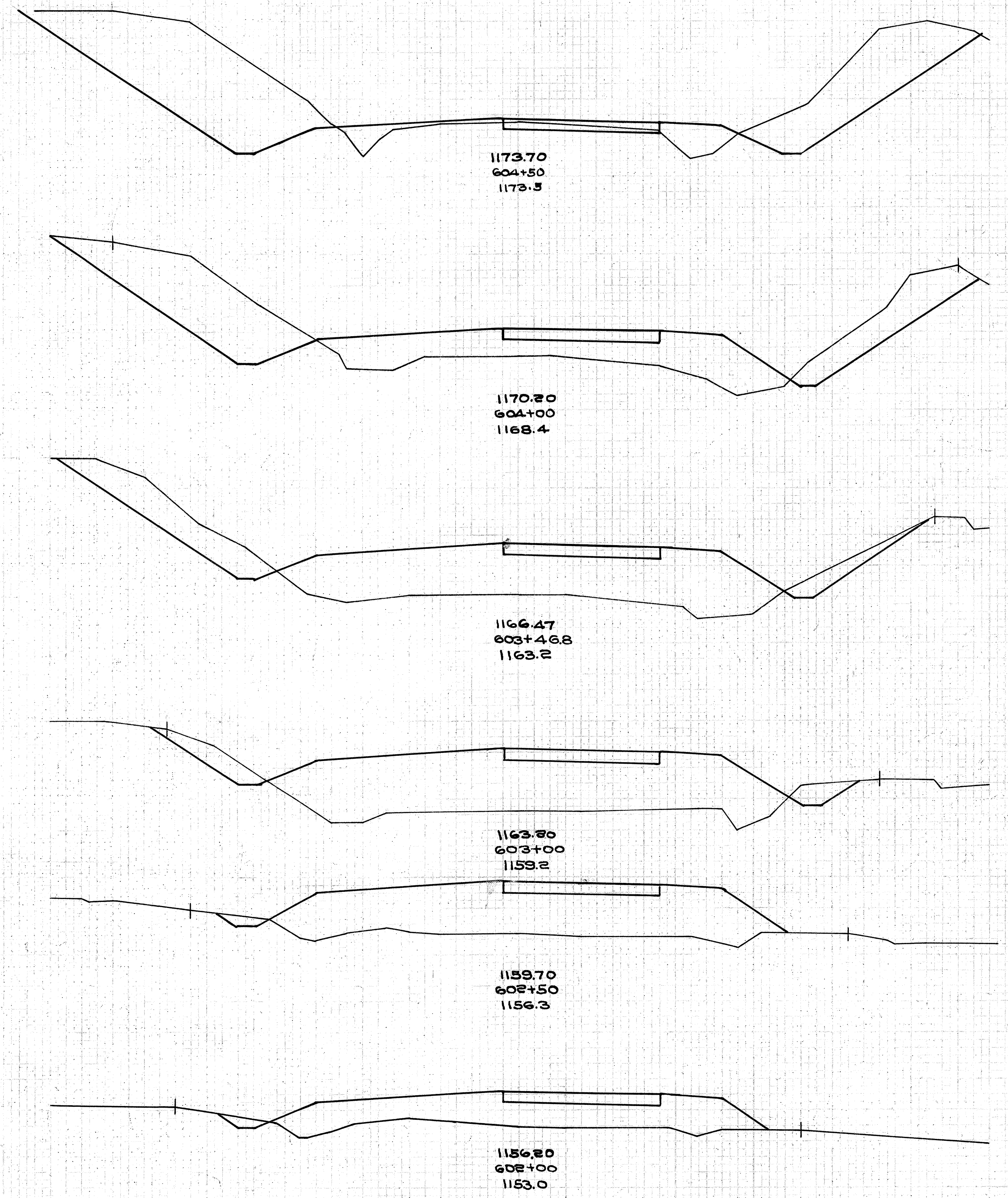
E

E

End Area Cu. Yd.  
Cut Fill Cut Fill

125.13  
188.67  
75.49  
106.162  
33.90  
37.200  
9.108  
9.213  
2.88  
4.151  
1.51  
15.64

Exc. = 1364 cu. yd.  
Emb. = 1364.1364 cu. yd.



FED. RD. DIST. NO. 10 STATE OHIO FED. AID PROJECT YEAR 1922  
I.C.H. 145 SEC. L'2 HOLMES COUNTY

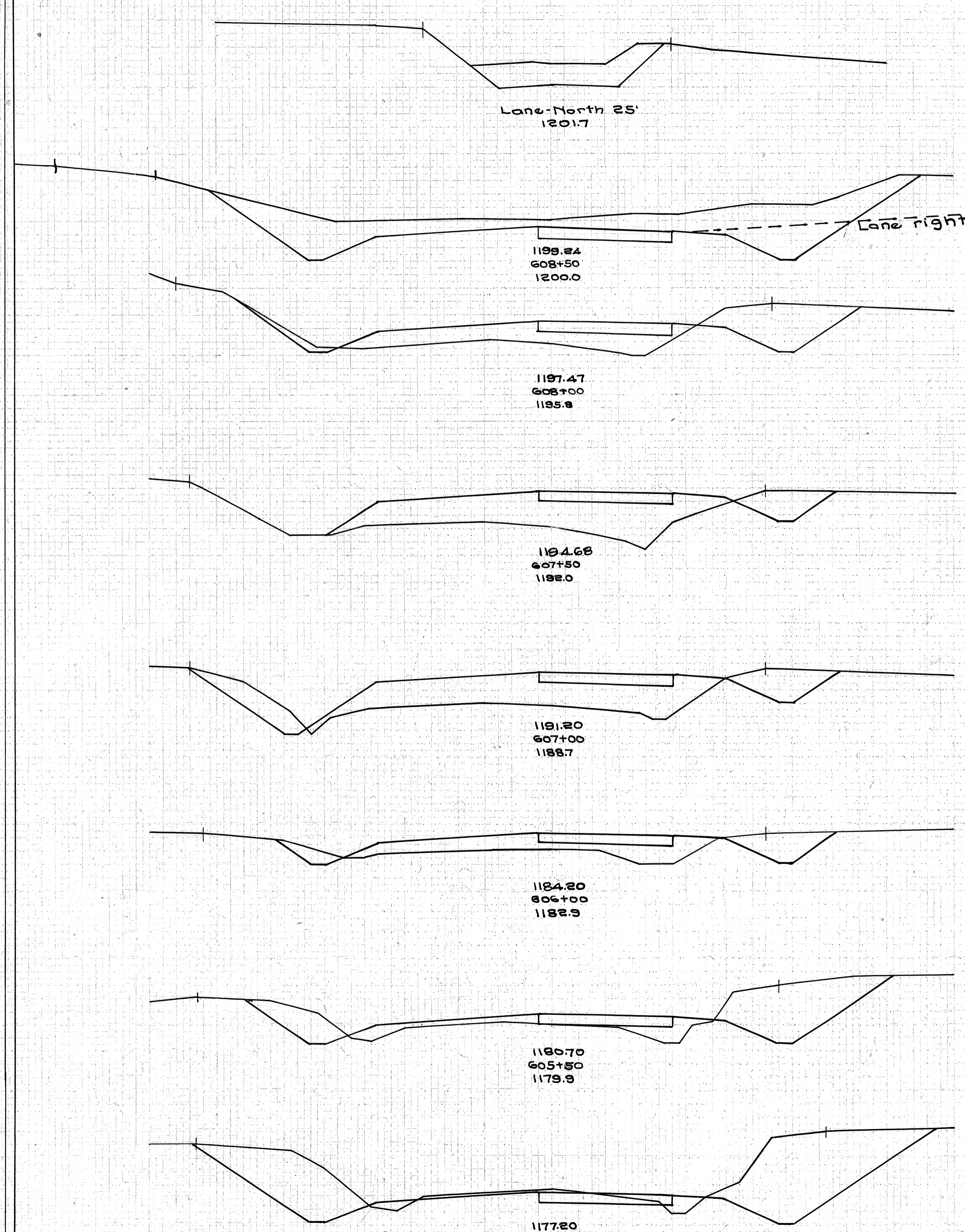
11  
19

E

E

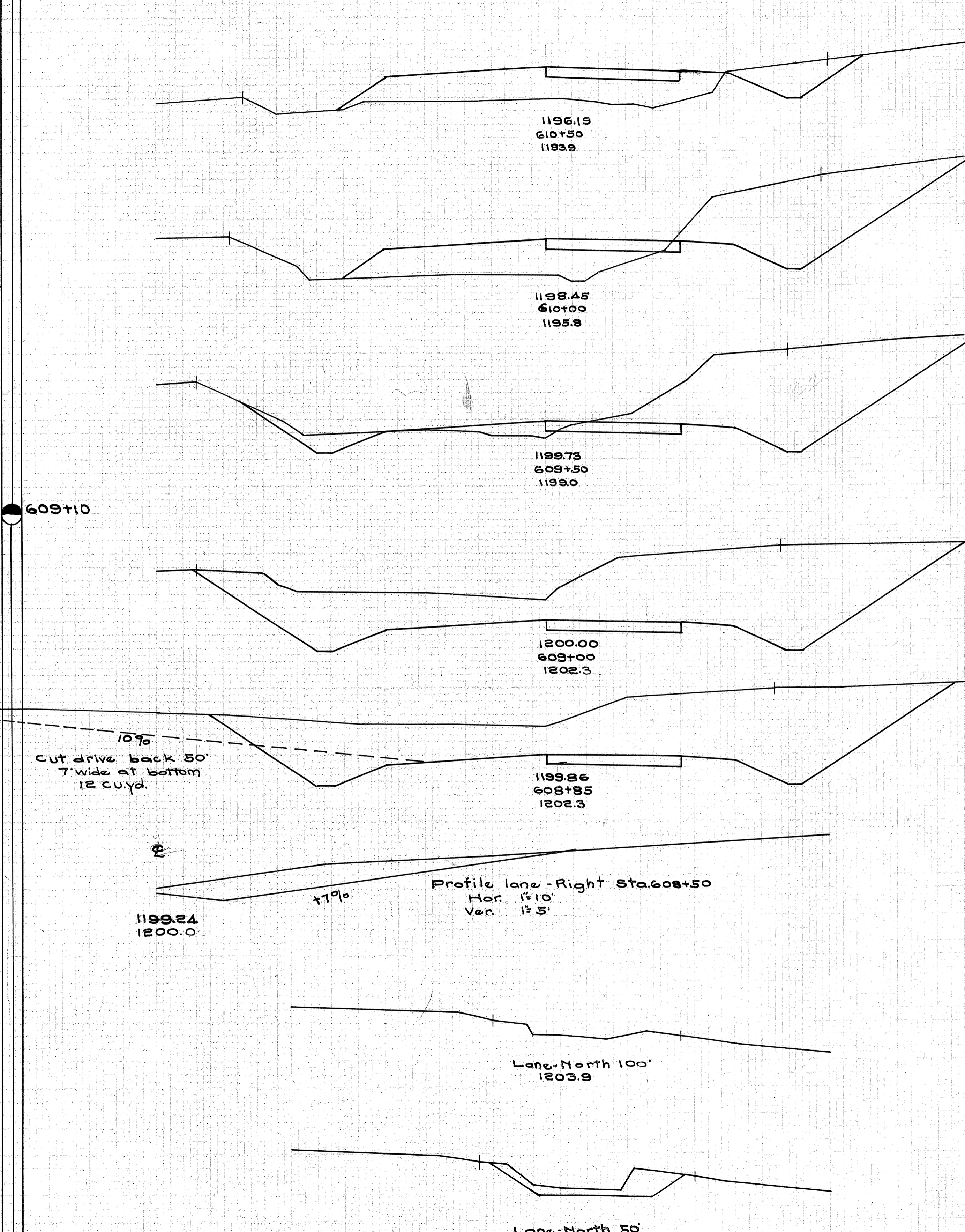
End Area Cu. Yd.  
Cut/Fill Cut/Fill

204 0  
198 0  
100 0  
112 20  
26 29  
33 98  
10 61  
31 129  
23 57  
69 184  
14 27  
53 44  
47 14  
132 20  
99 4  
207 20



End Area Cu. Yd.  
Cut/Fill Cut/Fill

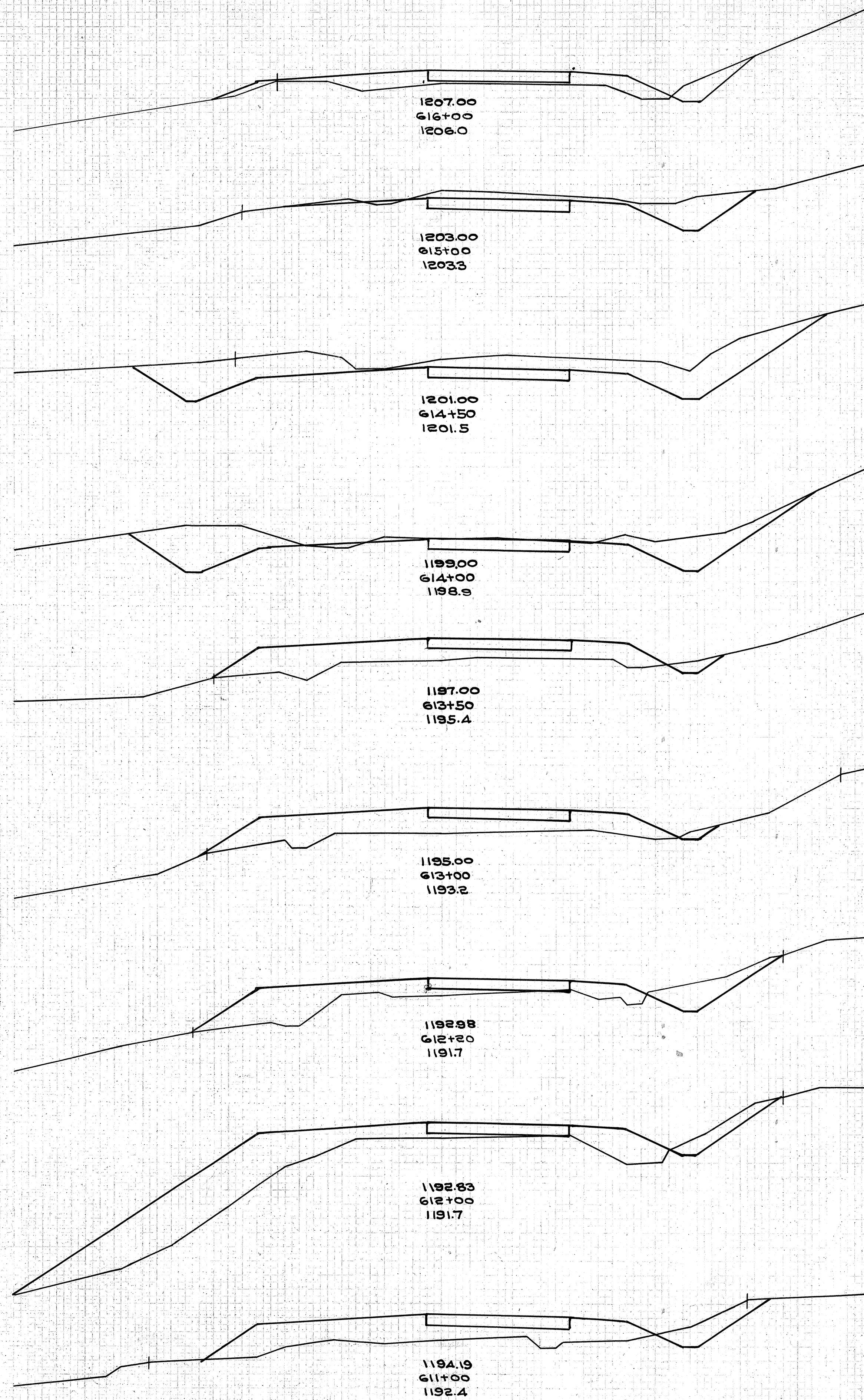
14 53  
84 102  
85 42  
197 46  
129 5  
220 5  
217 0  
117 0  
12



End Area  
Cut Fill

6 15  
48 22  
20 0  
80 0  
70 0  
107 0  
46 0  
40 39  
2 36  
4 90  
1 46  
15 140  
9 34  
6 54  
5 83  
22 27  
7 44  
19 107

Exc. = 294 cu yd.  
Emb. = 1438 cu yd.  
Exc. = 608 cu yd.  
Emb. = 1981 cu yd.



E

E

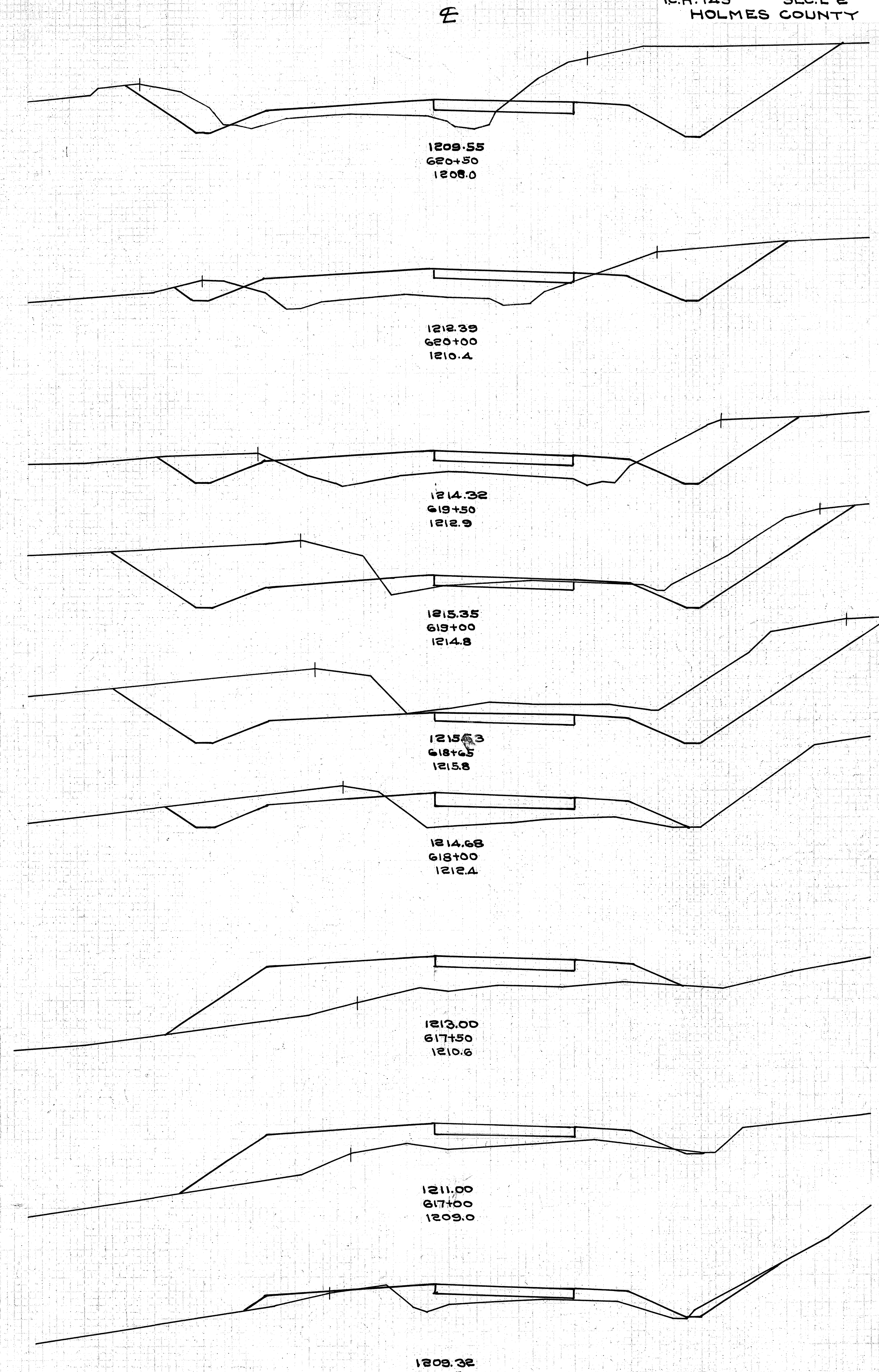
End Area  
Cut Fill

96 17  
119 57  
31 36  
61 74  
34 32  
109 41  
84 4  
143 2  
138 0  
181 26  
152 1  
13 92  
0 72  
0 134  
0 51  
11 61  
2 15  
9 37

Exc. = 239 cu yd.  
Emb. = 1833 cu yd.

618+95

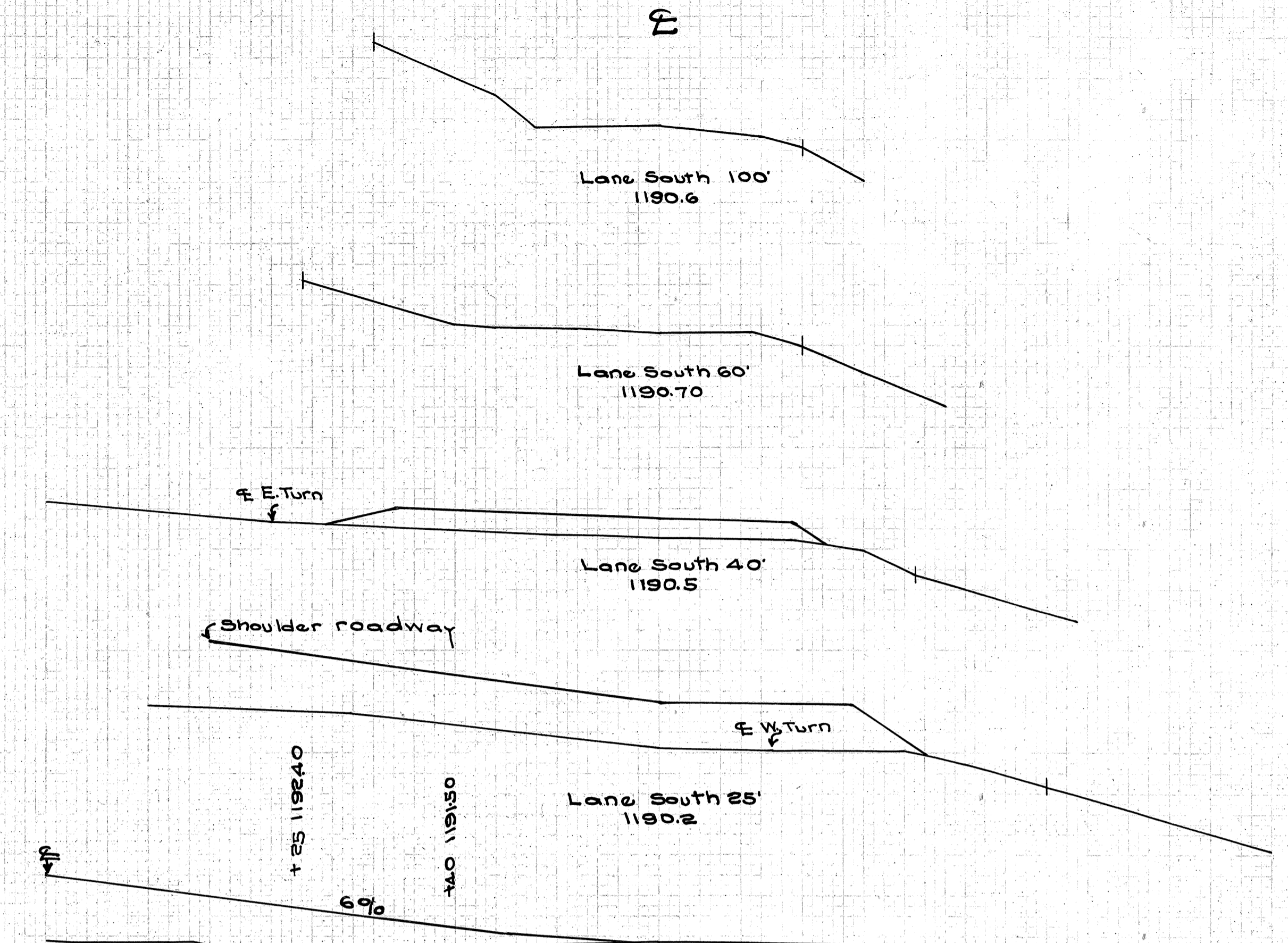
616+20



E

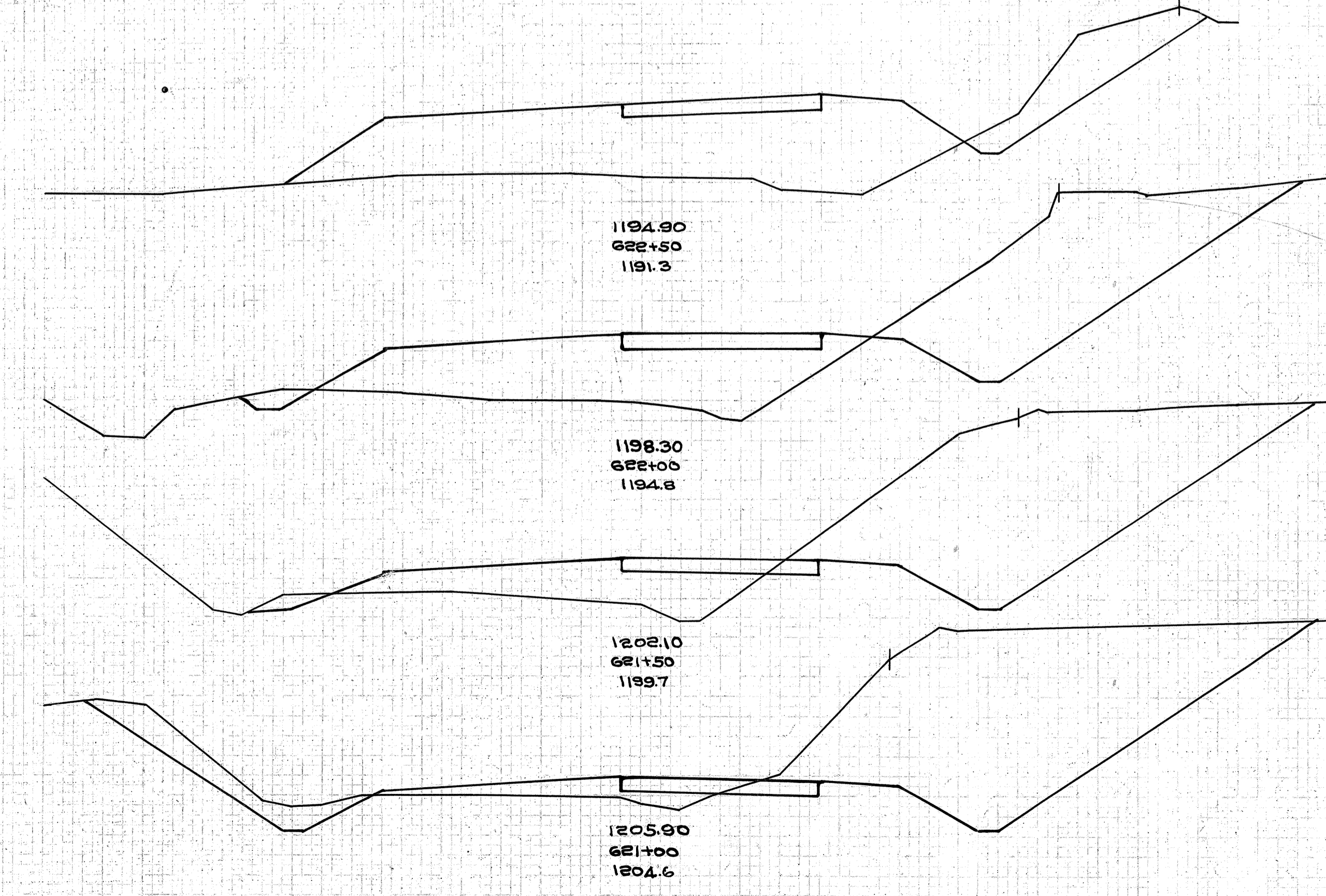
E

End Area Cu. Yd.  
Cut/Fill Cut/Fill



Embankment 78 cu. yd.  
Left  
Profile Lane Left  
Vertical - 1"=5'  
Horizontal - 1"=10'

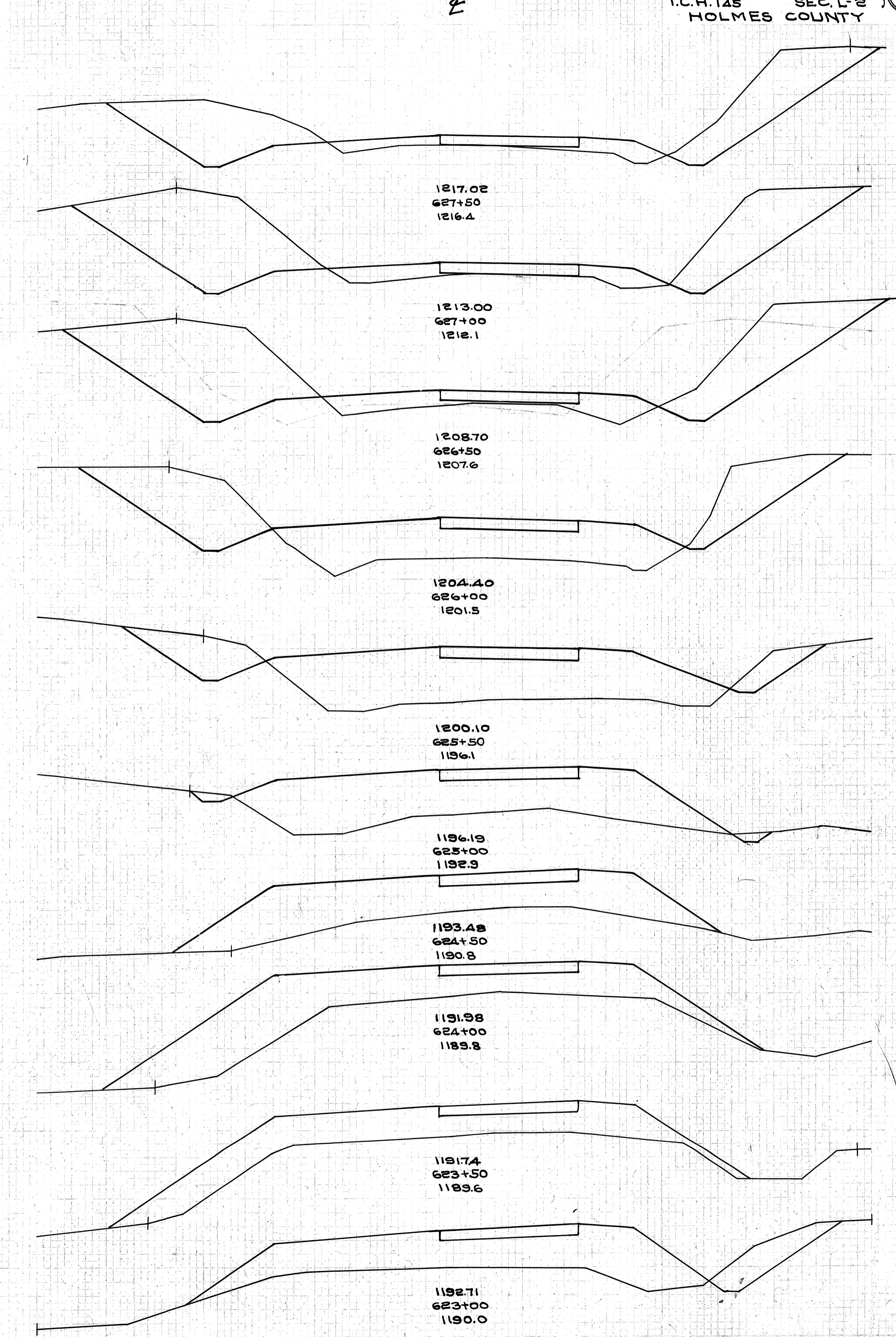
78  
23 103  
100 185  
86 67  
200 107  
122 22  
270 46  
163 10  
241 31



End Area Cu. Yd.  
Cut/Fill Cut/Fill

78 1  
178 15  
114 14  
218 37  
122 20  
178 103  
70 73  
83 192  
26 104  
26 218  
2 96  
2 205  
0 91  
0 218  
0 108  
0 208  
0 83  
17 185  
17 86  
37 208

623+90



78 1  
178 15  
114 14  
218 37  
122 20  
178 103  
70 73  
83 192  
26 104  
26 218  
2 96  
2 205  
0 91  
0 218  
0 108  
0 208  
0 83  
17 185  
17 86  
37 208

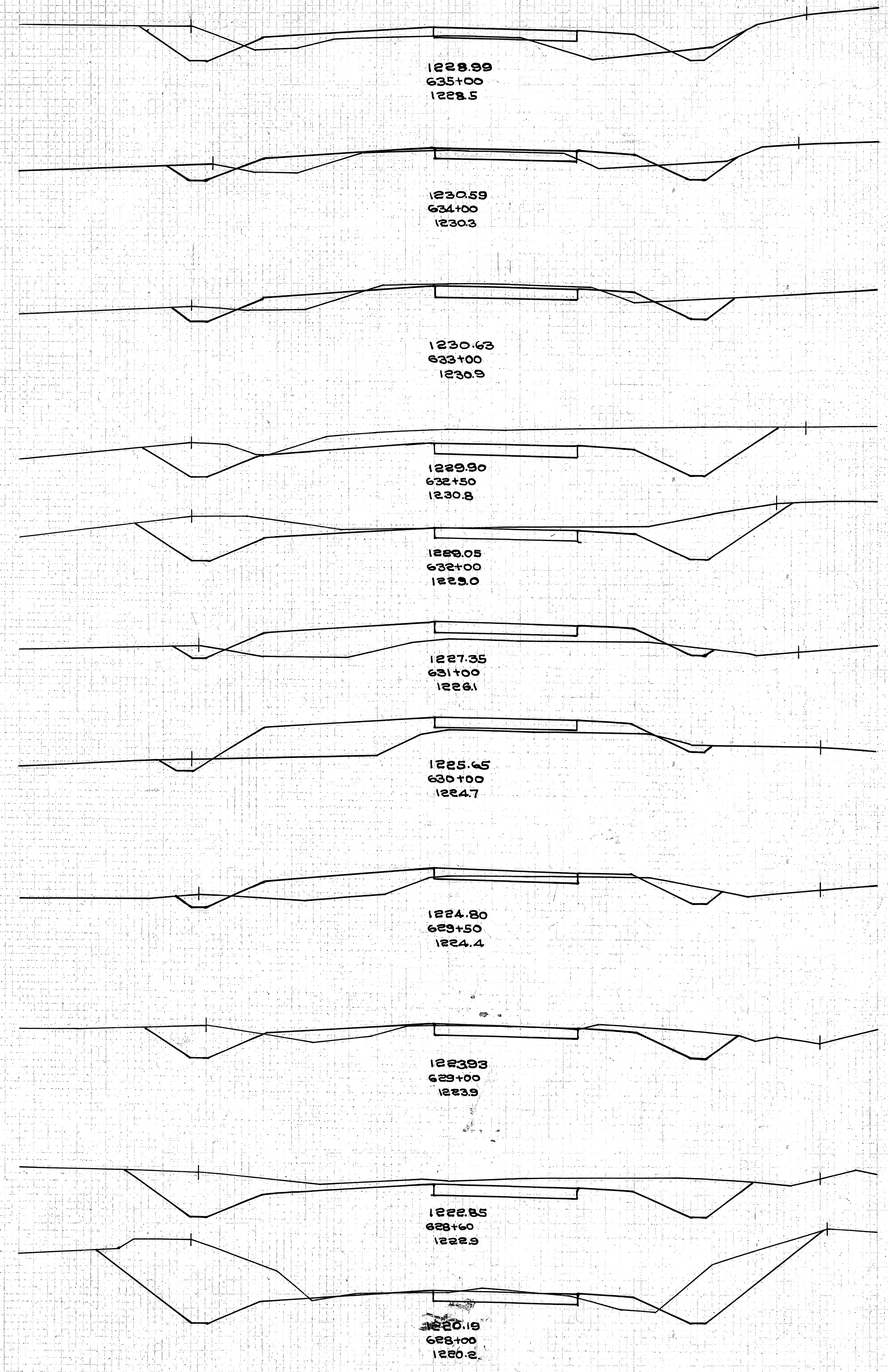
Exc. Area  
Cut Fill

11 18  
41 64  
11 11  
56 37  
19 6  
78 7  
65 0  
111 0  
54 0  
104 70  
2 32  
7 147  
2 36  
13 57  
12 16  
39 22  
28 4  
61 5  
54 0  
148 4  
80 4  
146 7

Exc.: 155 cu. yd.  
Emb.: 189 cu. yd.

Exc.: 28 cu. yd.  
Emb.: 28 cu. yd.

Exc.: 106 cu. yd.  
Emb.: 118 cu. yd.



E

E

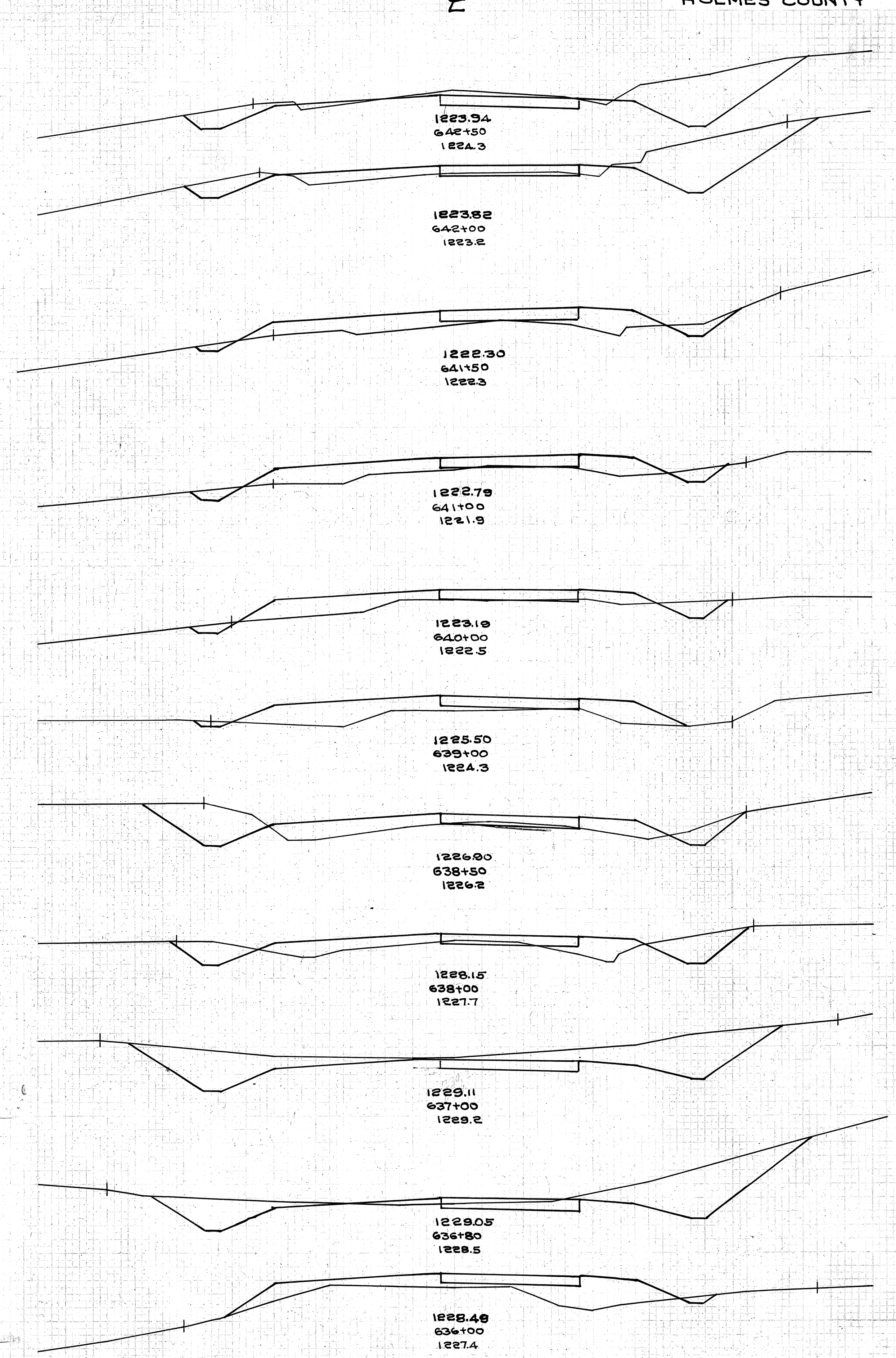
Exc. Area  
Cut Fill

44 2  
72 11  
35 8  
37 31  
4 20  
8 44  
5 21  
20 85  
6 18  
13 103  
1 23  
17 52  
17 18  
30 37  
16 16  
144 35  
63 0  
41 0  
49 2  
74 54  
1 23  
22 103

Exc.: 177 cu. yd.  
Emb.: 95 cu. yd.

Exc.: 223 cu. yd.  
Emb.: 183 cu. yd.

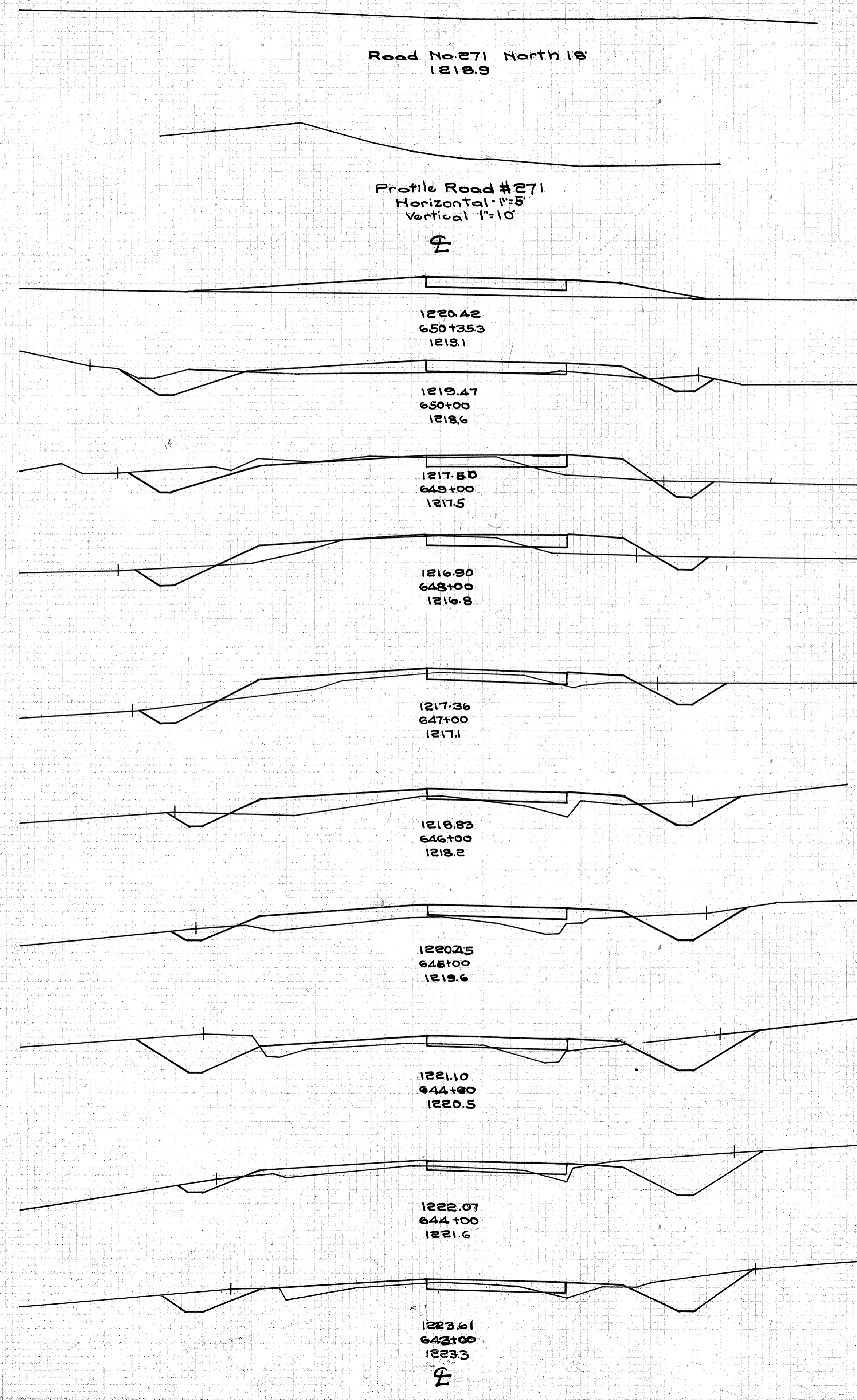
Exc.: 109 cu. yd.  
Emb.: 109 cu. yd.



E

E

Exc. 1.98 cu. yd. Emb. 18.49.9 cu. yd.  
Exc. 1.269 cu. yd. Emb. 18.271.5 cu. yd.

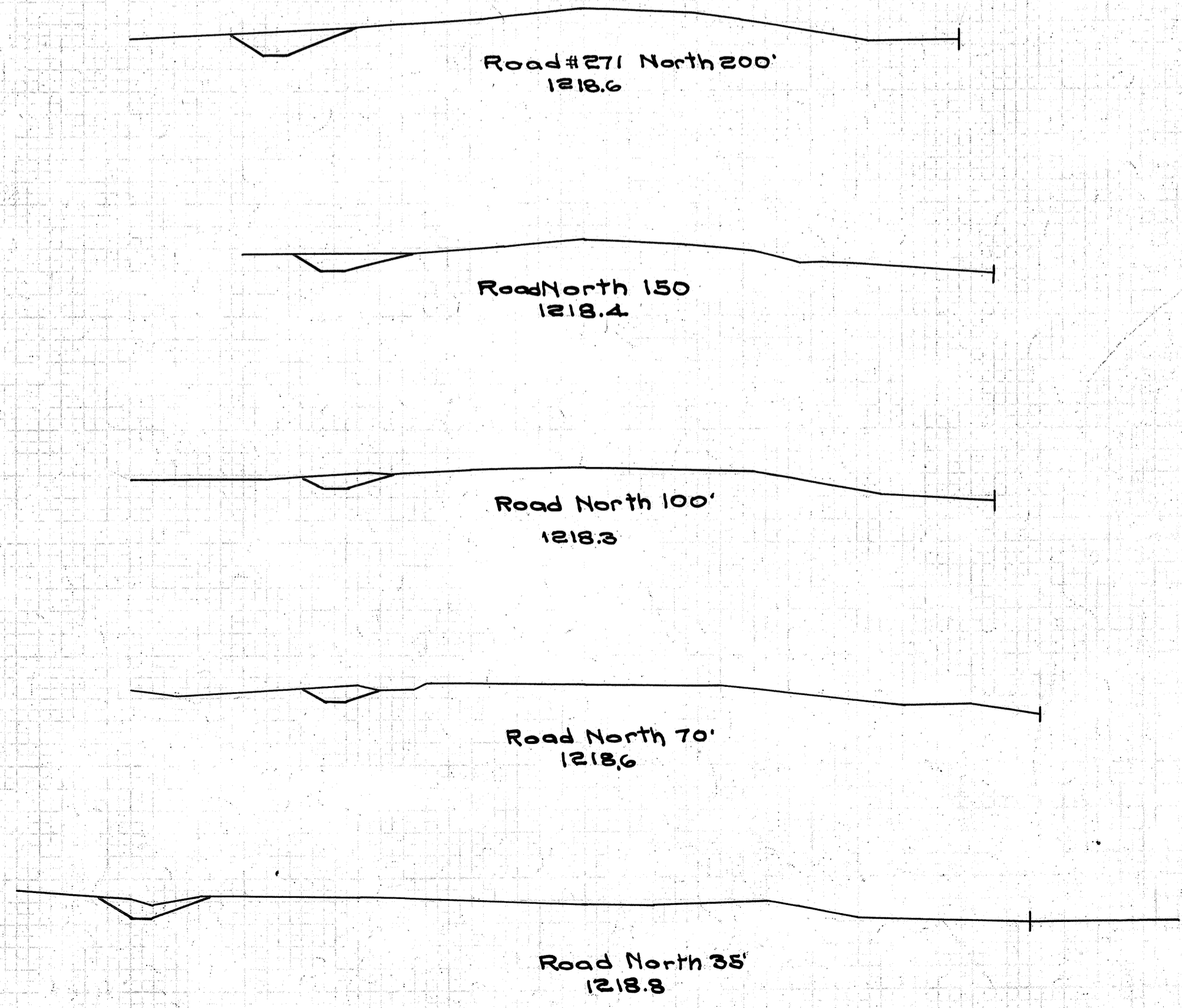


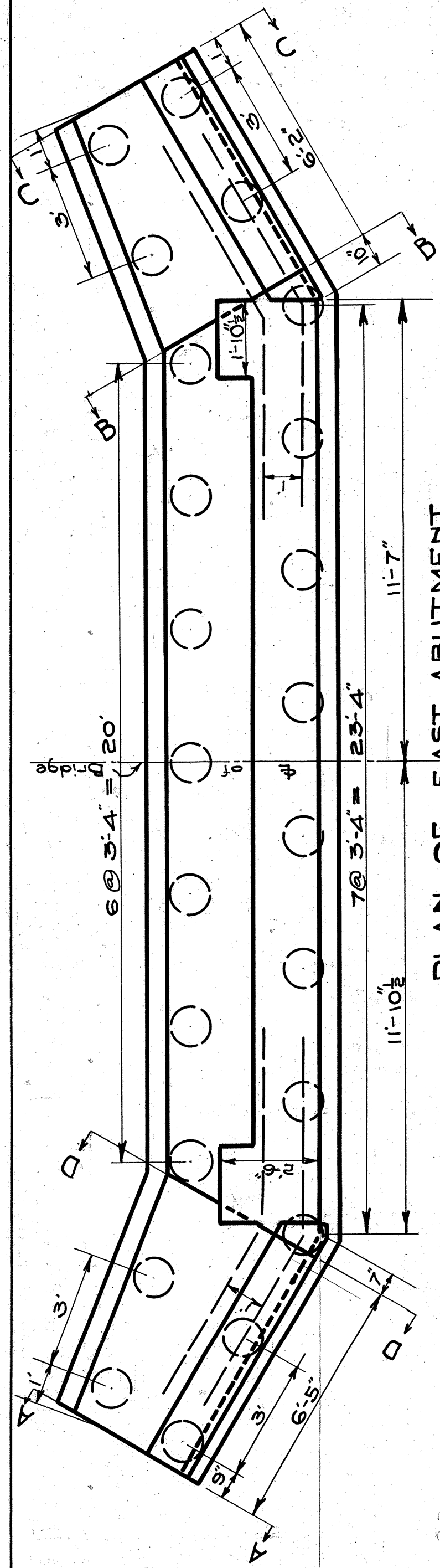
+18 1218.50  
+35 1218.28  
+70 1217.93  
+100 1217.44  
+150 1217.04  
+200 1216.64

-1.3%  
-0.8%

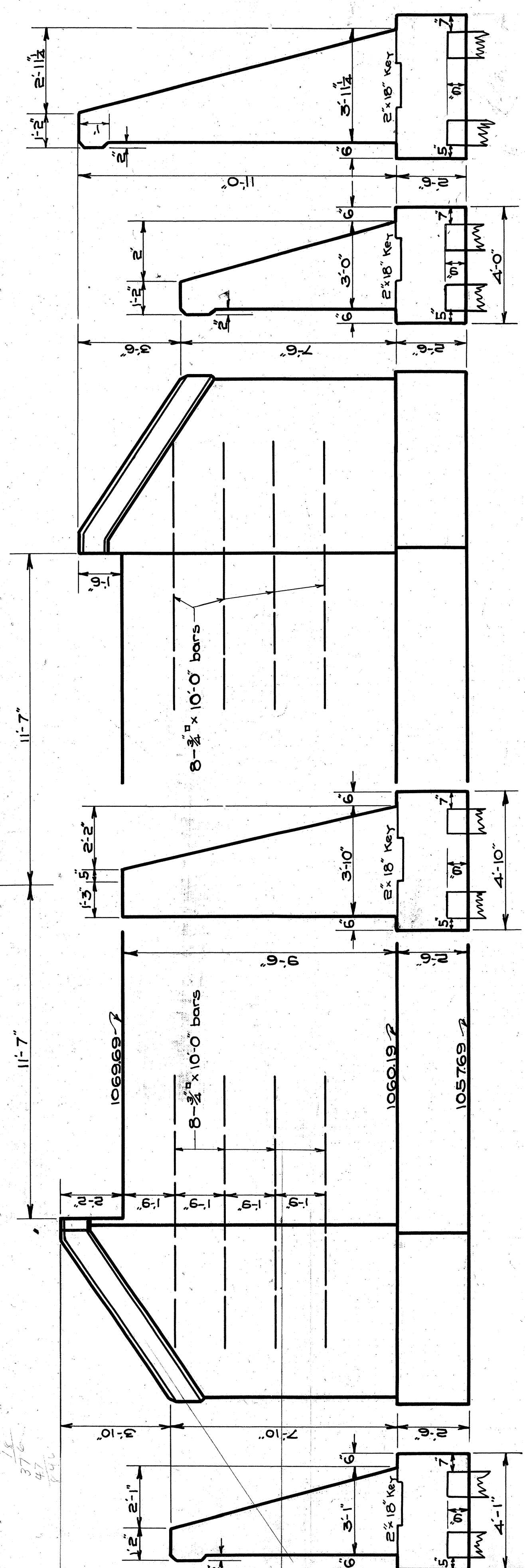
Profile bottom proposed ditch along West side Road #271

No Work Required.

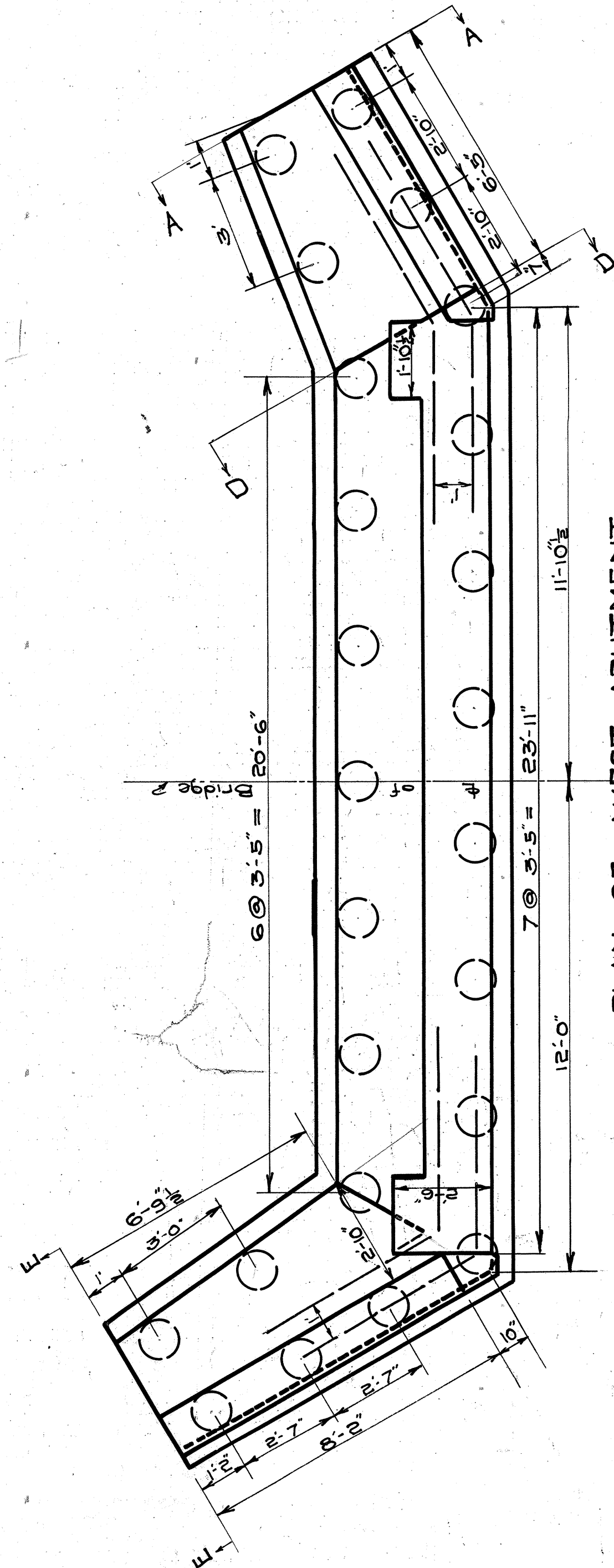




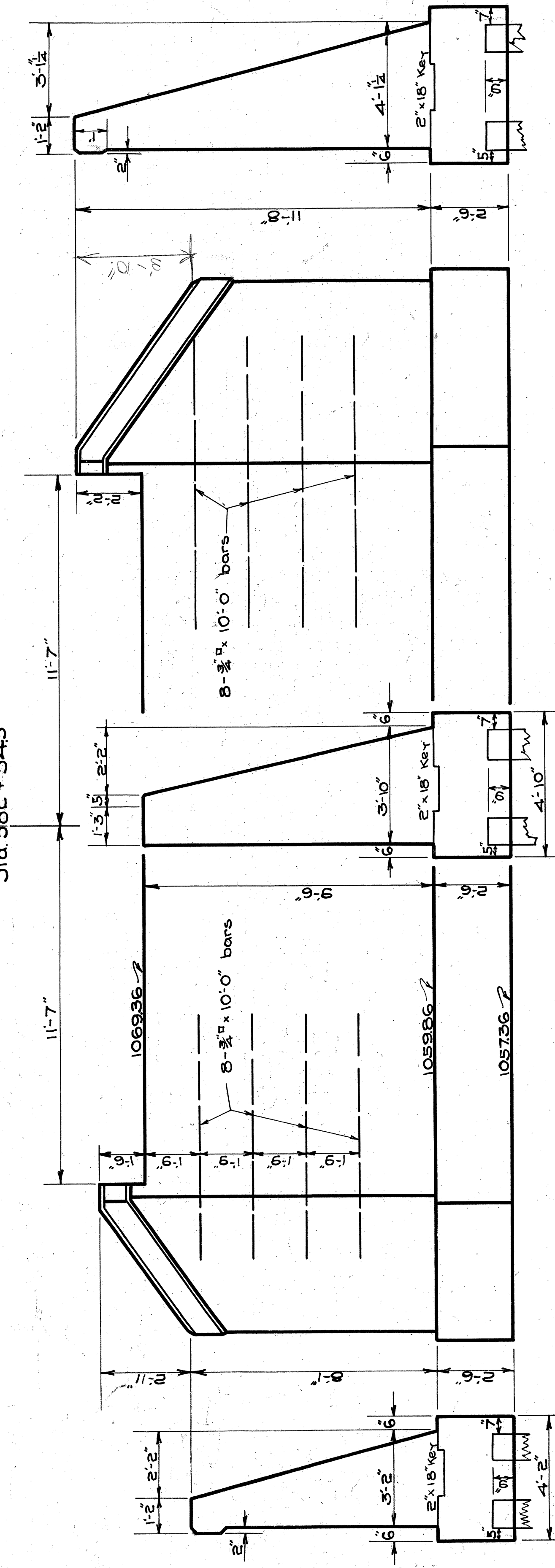
PLAN OF EAST ABUTMENT  
Sta. 582+195



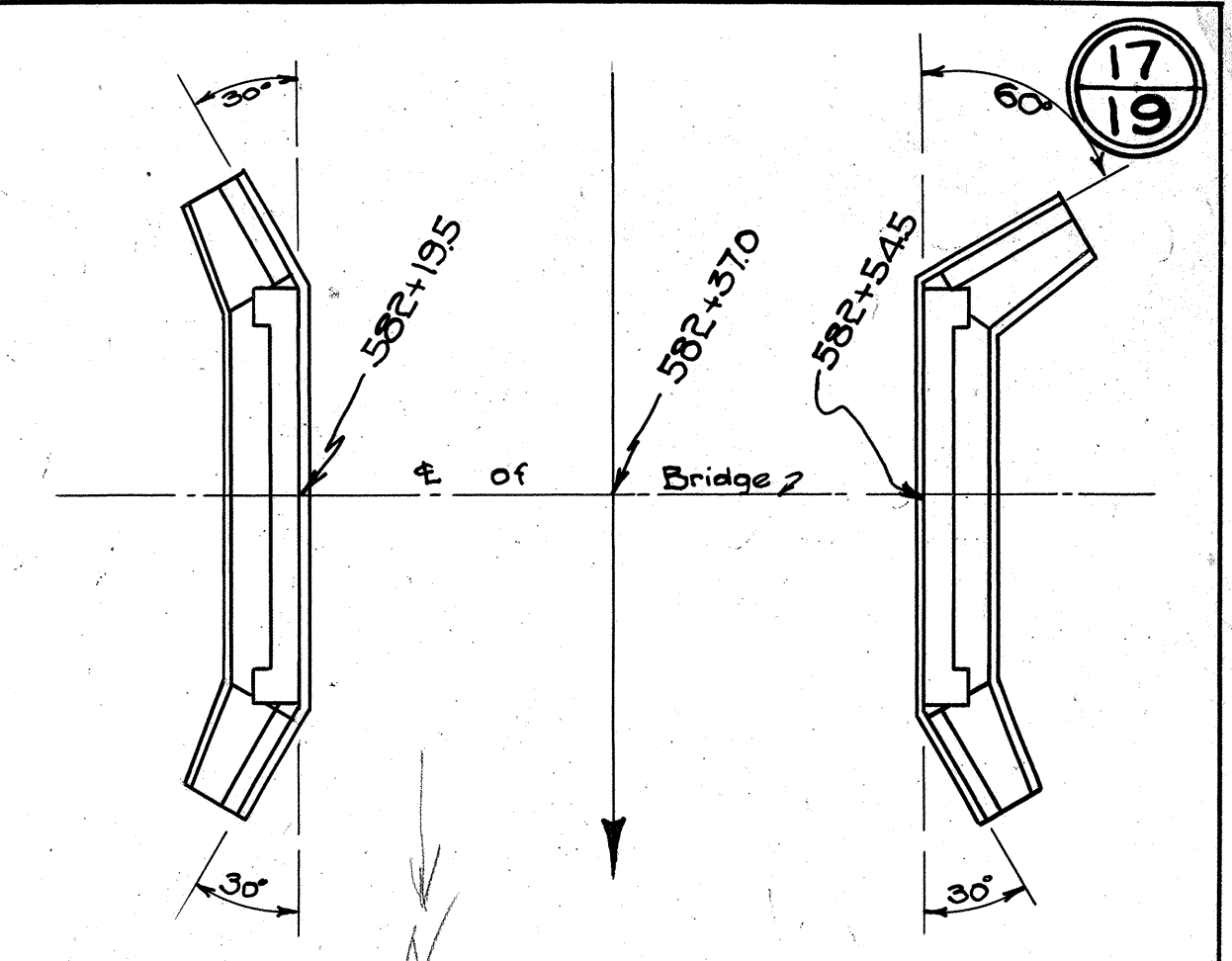
ELEVATION AND CROSS SECTION OF EAST ABUTMENT  
Sta. 582+195



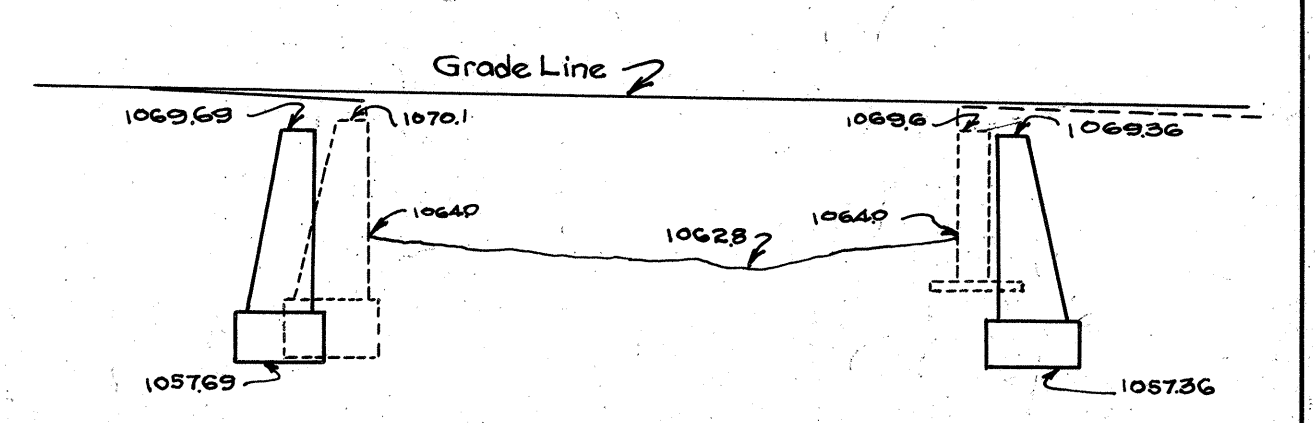
PLAN OF WEST ABUTMENT  
Sta. 582+545



ELEVATION AND CROSS SECTION OF WEST ABUTMENT  
Sta. 582+545



LOCATION SKETCH

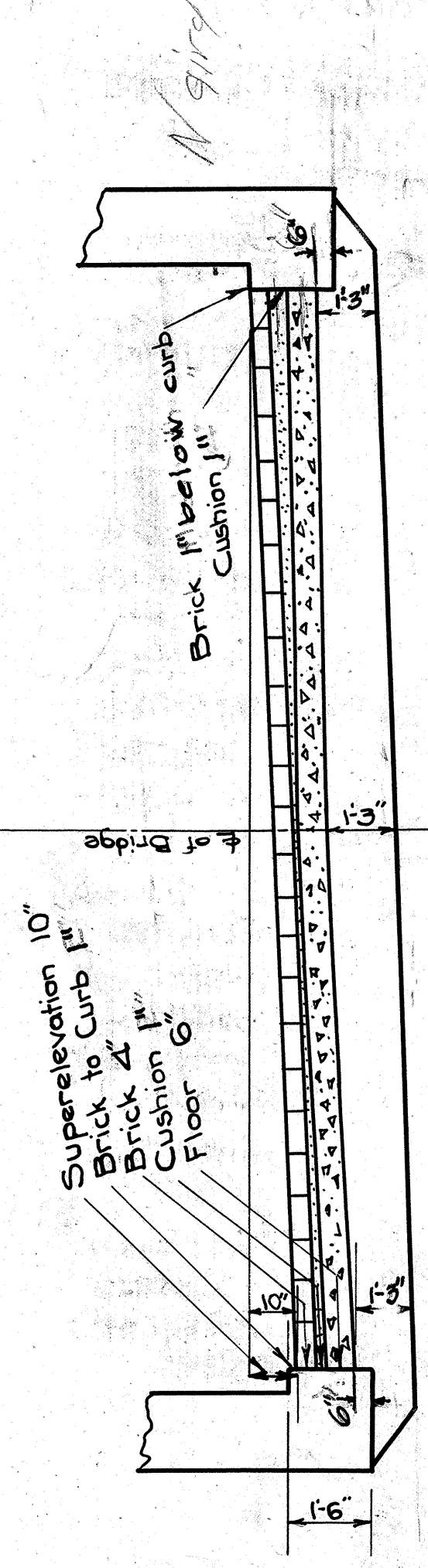


CROSS SECTION ON  $\pm$  OF BRIDGE

ESTIMATED QUANTITIES

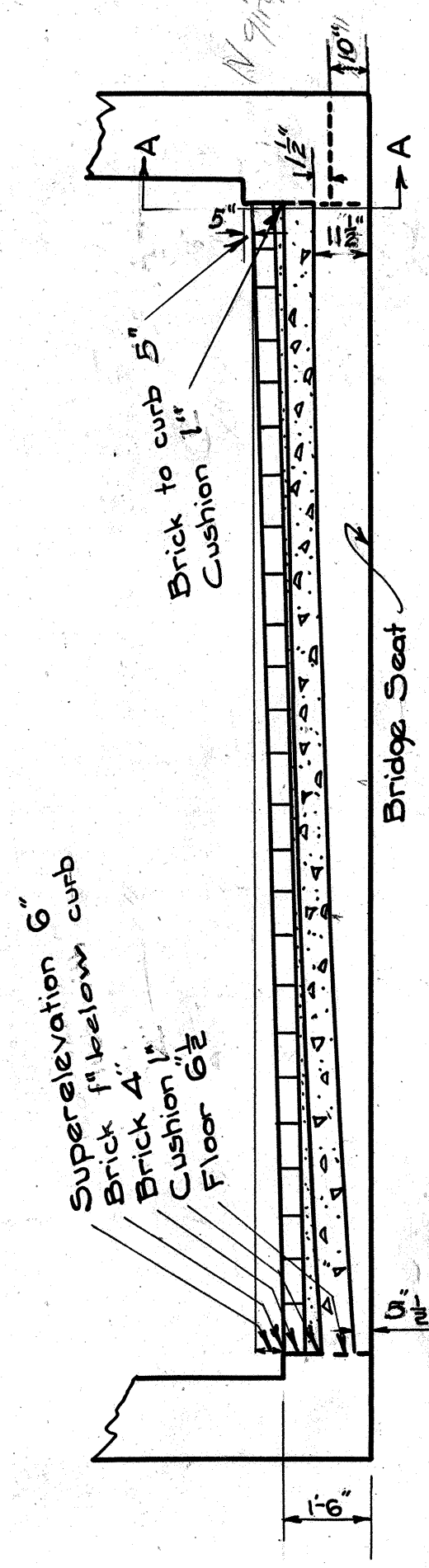
Excavation	250 cuyd.
1-3-6 Concrete	315
1-2 1/2-5 Concrete	67.5
Piling (assumed 18' long)	846 lin.ft.
Reinforcing Steel	612 lb.

PLAN OF  
SUBSTRUCTURE  
FOR 35' x 20'  
CONCRETE GIRDER BRIDGE  
OVER CRAB RUN  
ON I.C.H. No 145 SEC L2  
STA. 582+37



**TYPICAL SECTION**  
Sta. 582+490 to Sta. 582+545

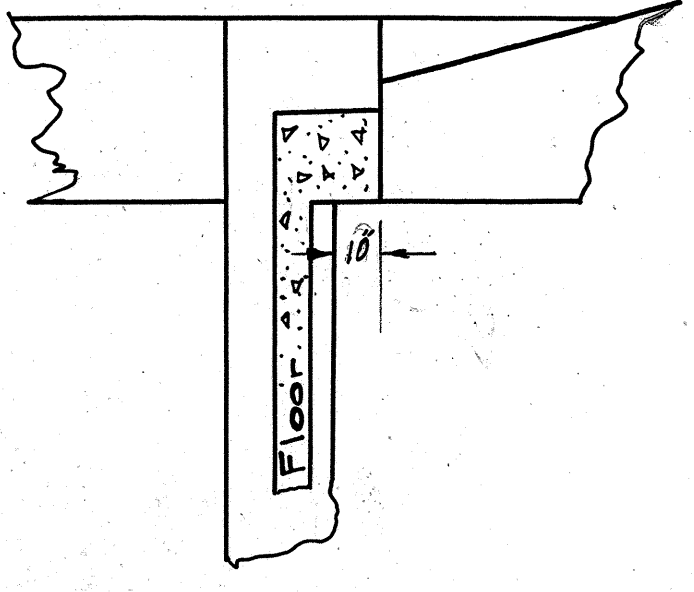
Showing super-elevation  
Center of floor beams same depth as at sides.  
Std. 25 x 20 girder to be used except that floor is not crowned. (See above detail for dimensions)



**SECTION STA 582+195**

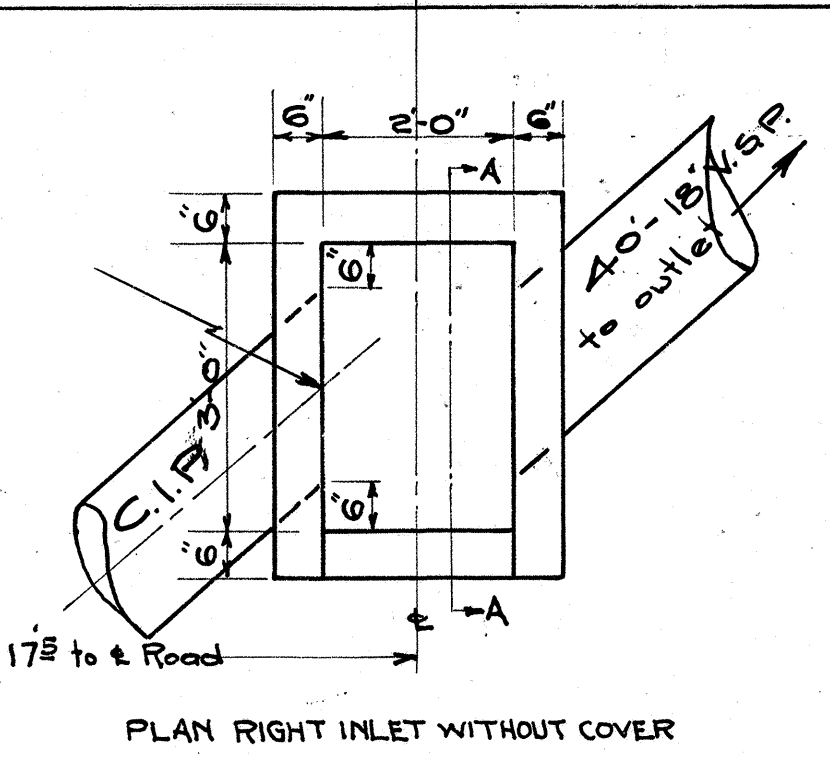
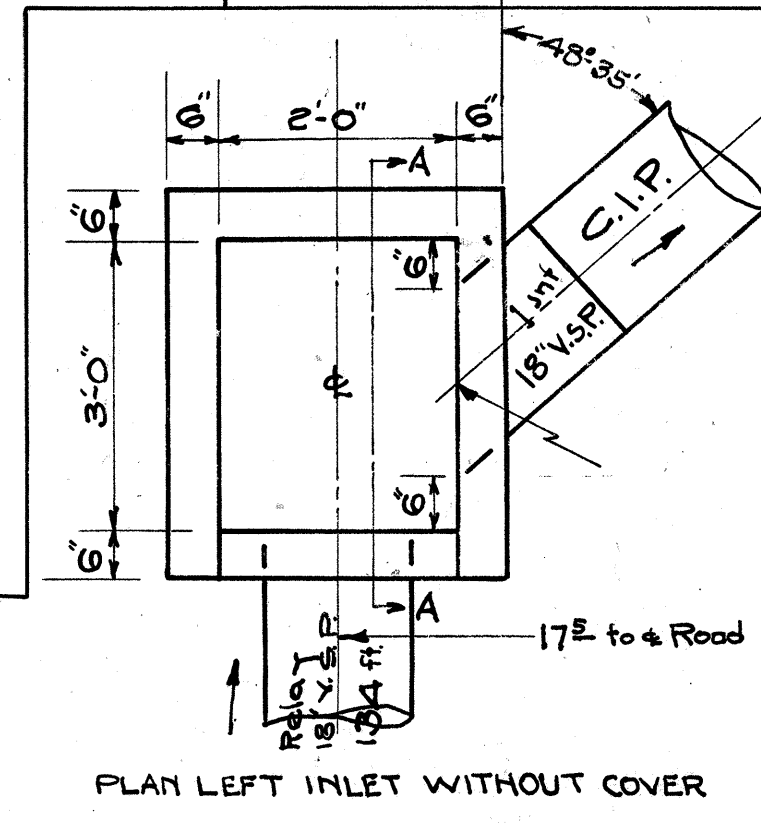
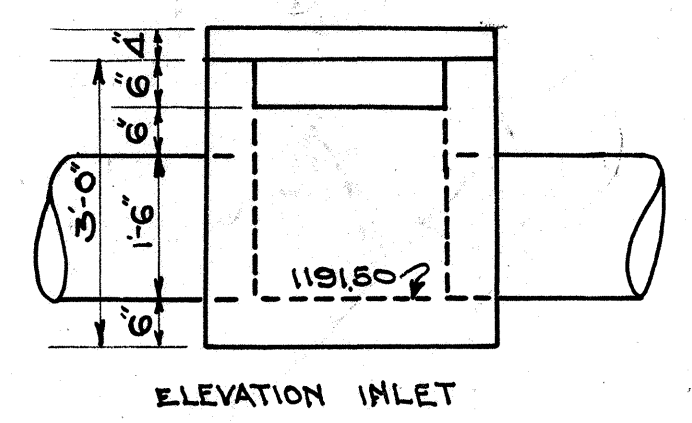
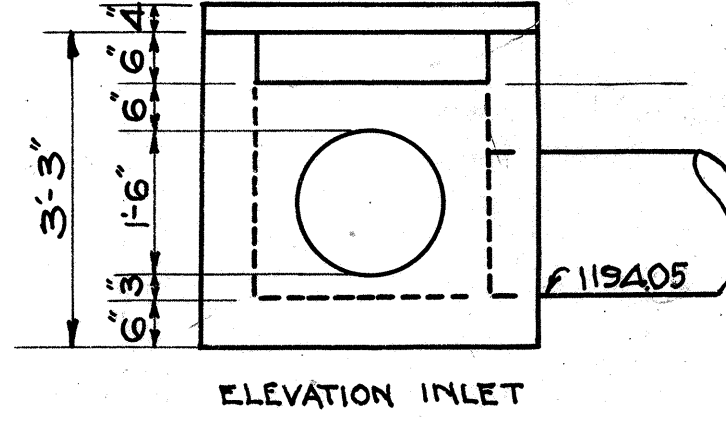
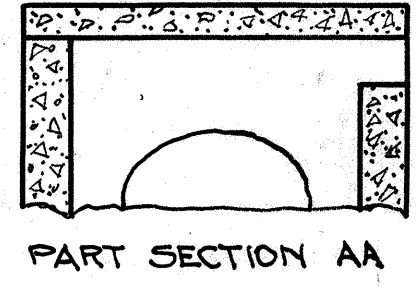
North Girder to be raised uniformly 10' above South Girder by placing a wedge shaped addition above Bridge Seat to the standard design.  
Floor & beams retain same relative position to girder as in standard design—using no crown in floor. (See above detail)  
Pavement super-elevated as shown.

**SECTION AA**



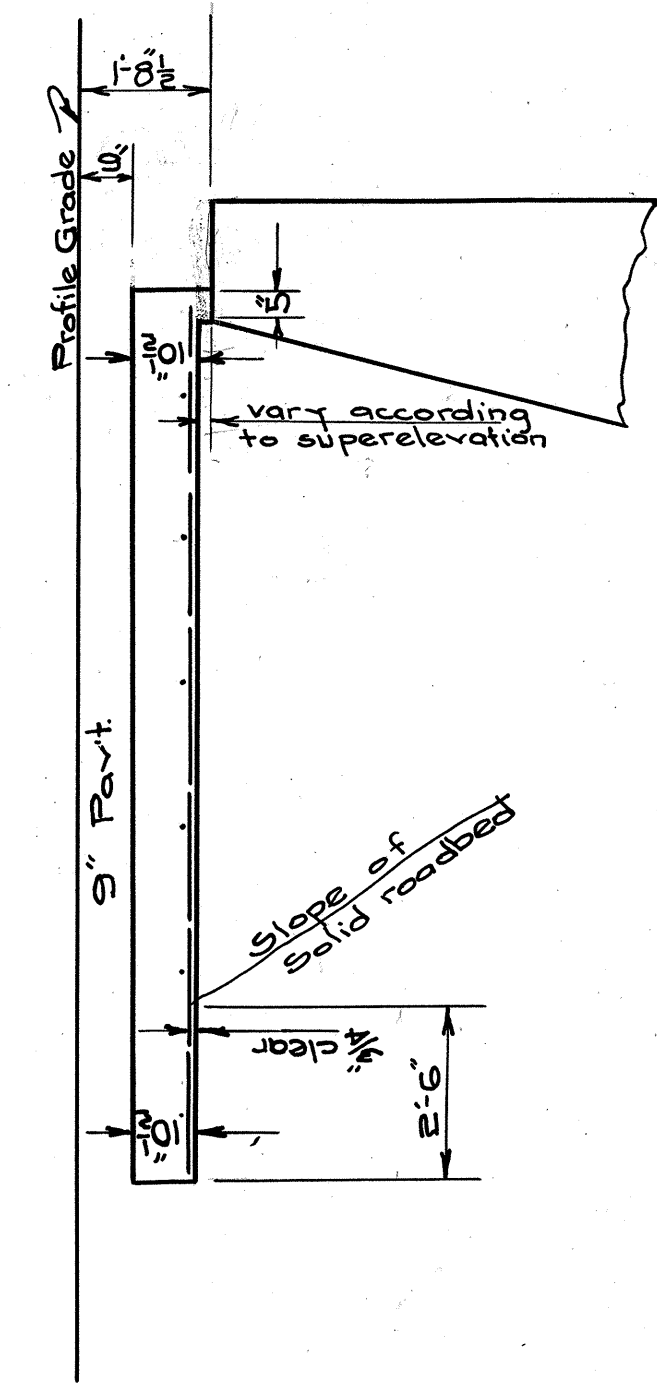
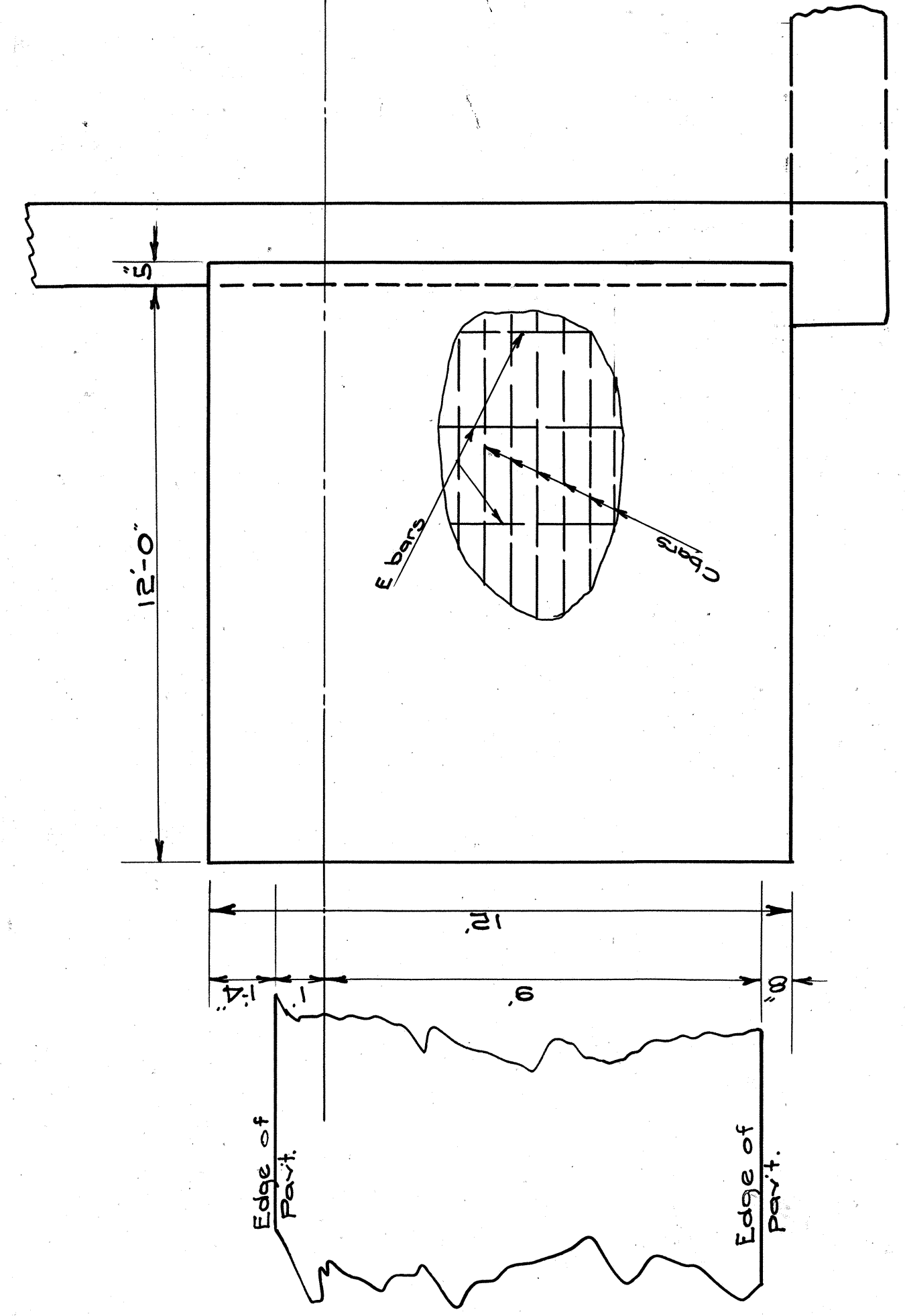
**SUPERSTRUCTURE OF 35 x 20' CONCRETE GIRDER BRIDGE OVER CRAB RUN STA. 582+370 I.C.H. NO 145 SEC. L-2**  
Standard except as shown above.

**ESTIMATED QUANTITIES**  
1-2-4 Concrete 413 cu.yd.  
Reinforcing Steel 8220 lb.



**PLAN & ELEVATION INLETS STA. 562+00**

**ESTIMATED QUANTITIES**  
Excavation 65 cu.yd.  
10 in. A Concrete 1.0 cu.yd.  
18\"/>



For each foot added to length of approach slab add  $\frac{1}{8}$  to its depth and space C bars  $\frac{1}{8}$  closer.

**STEEL LIST**  
22 C bars  $\frac{1}{2}$  12'-3\"/>

Build approach slab at each end of Bridge.

1-2-4 Concrete 9.7 cu.yd.  
Reinforcing Steel 1150 lb.

**PLAN & ELEVATION OF TWO APPROACH SLABS TO BRIDGE STA. 582+370 OVER CRAB RUN**

**SECTION**

