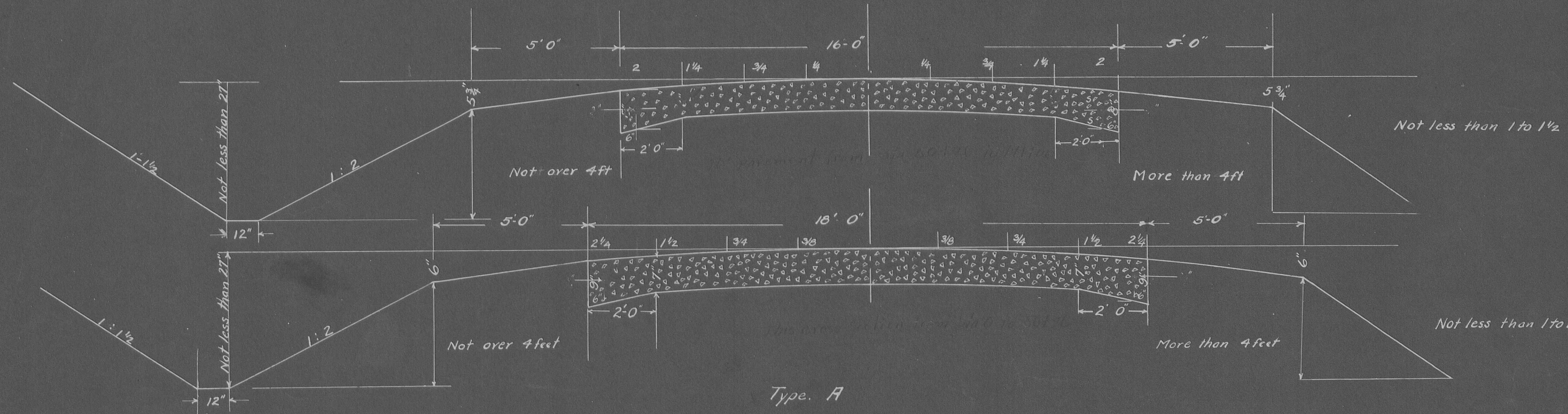


FED. RD. DIST. NO.	STATE	FED. AID PROJECT	FISCAL YEAR
10	OHIO		1924

IGH 236 SEC. A
LOGAN COUNTY

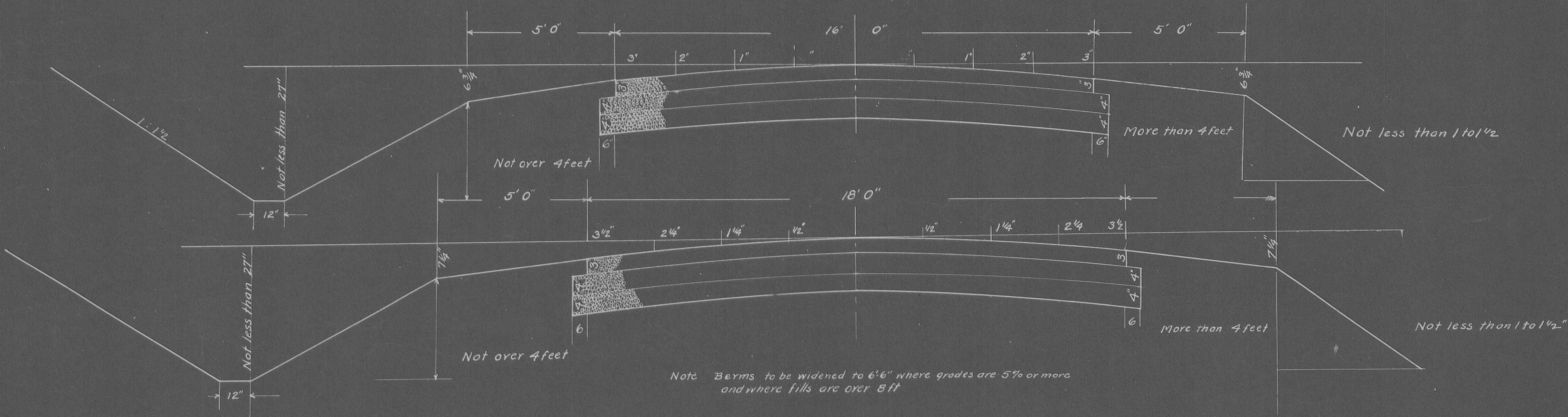


Type A

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

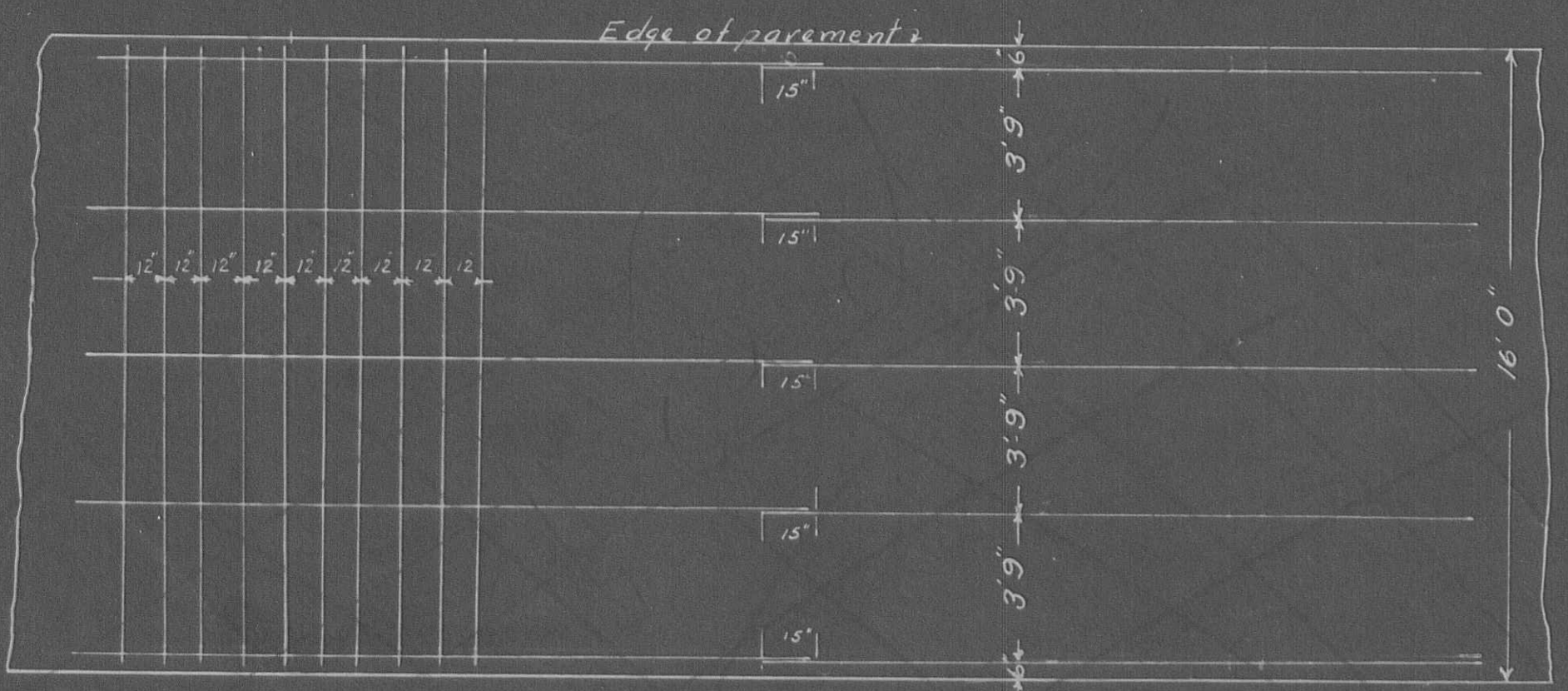
Note On Grades over 5% Berms to be widened to 6 1/2 feet.

Note Profile and Cross Sections worked up on type "B" pavement. If type "A" pavement is used the grade line will be lowered 0.25 feet on 18' pavement and 0.20 feet on 16' pavement.



Type B

Note Berms to be widened to 6'6" where grades are 5% or more and where fills are over 8 ft

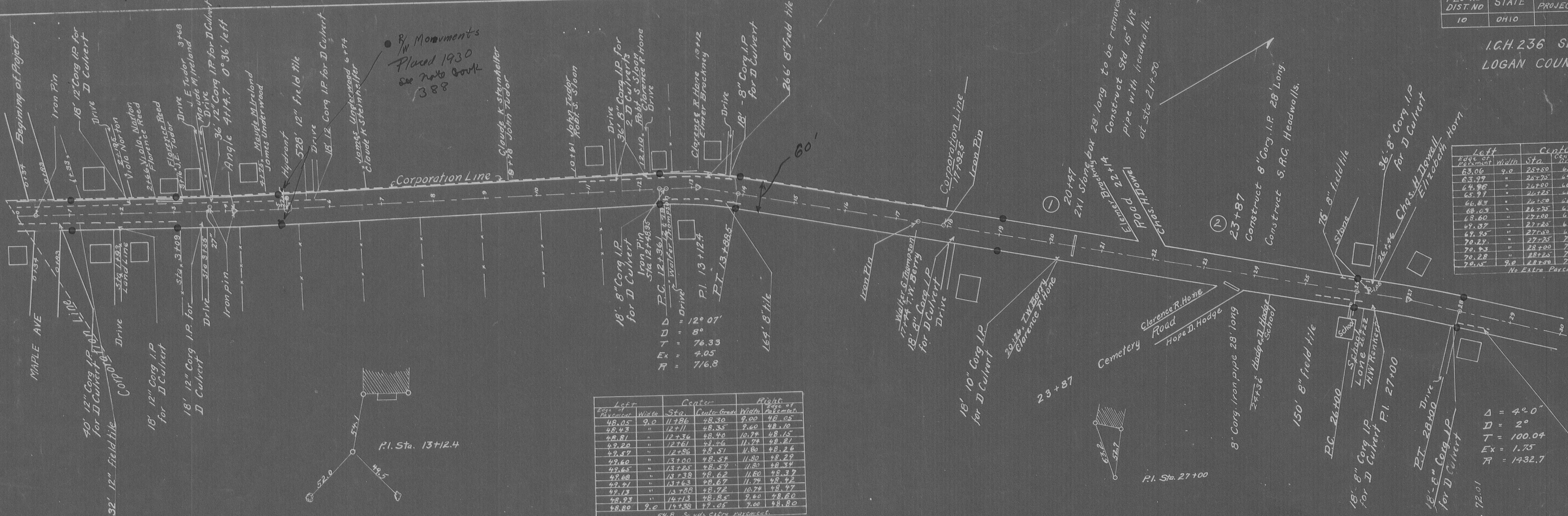


Note Reinforcing bars to be 1/2" or equivalent Cross Section
Longitudinal bars 30' long Transverse bars to be
4" less in length than width of pavement and to be
placed 12" C to C and shall require 7.6 lbs per sq. yd.

I.G.H. 236 SEC. A
LOGAN COUNTY

PLAN
SURVEYED
PLOTTER
NOTE BOOK
ALIGNMENT CHECKED
RT. OF WALL CHECKED

PROFILE
SURVEYED
PLOTTER
NOTE BOOK
GRADES CHECKED
STRUCTURE NOTATING CH.F.D.



Left	Center	Right
Station	Station	Station
48.05	11.286	48.30
48.43	12.711	48.35
48.81	12.736	48.40
49.20	12.761	48.45
49.57	12.786	48.50
49.95	13.000	48.55
50.33	13.214	48.60
50.71	13.428	48.65
51.09	13.642	48.70
51.47	13.856	48.75
51.85	14.070	48.80
52.23	14.284	48.85
52.61	14.498	48.90
52.99	14.712	48.95
53.37	14.926	49.00
53.75	15.140	49.05
54.13	15.354	49.10
54.51	15.568	49.15
54.89	15.782	49.20
55.27	15.996	49.25
55.65	16.210	49.30
56.03	16.424	49.35
56.41	16.638	49.40
56.79	16.852	49.45
57.17	17.066	49.50
57.55	17.280	49.55
57.93	17.494	49.60
58.31	17.708	49.65
58.69	17.922	49.70
59.07	18.136	49.75
59.45	18.350	49.80
59.83	18.564	49.85
60.21	18.778	49.90
60.59	18.992	49.95
60.97	19.206	50.00
61.35	19.420	50.05
61.73	19.634	50.10
62.11	19.848	50.15
62.49	20.062	50.20
62.87	20.276	50.25
63.25	20.490	50.30
63.63	20.704	50.35
64.01	20.918	50.40
64.39	21.132	50.45
64.77	21.346	50.50
65.15	21.560	50.55
65.53	21.774	50.60
65.91	21.988	50.65
66.29	22.202	50.70
66.67	22.416	50.75
67.05	22.630	50.80
67.43	22.844	50.85
67.81	23.058	50.90
68.19	23.272	50.95
68.57	23.486	51.00
68.95	23.700	51.05
69.33	23.914	51.10
69.71	24.128	51.15
70.09	24.342	51.20
70.47	24.556	51.25
70.85	24.770	51.30
71.23	24.984	51.35
71.61	25.198	51.40
71.99	25.412	51.45
72.37	25.626	51.50
72.75	25.840	51.55
73.13	26.054	51.60
73.51	26.268	51.65
73.89	26.482	51.70
74.27	26.696	51.75
74.65	26.910	51.80
75.03	27.124	51.85
75.41	27.338	51.90
75.79	27.552	51.95
76.17	27.766	52.00
76.55	27.980	52.05
76.93	28.194	52.10
77.31	28.408	52.15
77.69	28.622	52.20
78.07	28.836	52.25
78.45	29.050	52.30
78.83	29.264	52.35
79.21	29.478	52.40
79.59	29.692	52.45
79.97	29.906	52.50
80.35	30.120	52.55
80.73	30.334	52.60
81.11	30.548	52.65
81.49	30.762	52.70
81.87	30.976	52.75
82.25	31.190	52.80
82.63	31.404	52.85
83.01	31.618	52.90
83.39	31.832	52.95
83.77	32.046	53.00
84.15	32.260	53.05
84.53	32.474	53.10
84.91	32.688	53.15
85.29	32.902	53.20
85.67	33.116	53.25
86.05	33.330	53.30
86.43	33.544	53.35
86.81	33.758	53.40
87.19	33.972	53.45
87.57	34.186	53.50
87.95	34.400	53.55
88.33	34.614	53.60
88.71	34.828	53.65
89.09	35.042	53.70
89.47	35.256	53.75
89.85	35.470	53.80
90.23	35.684	53.85
90.61	35.898	53.90
90.99	36.112	53.95
91.37	36.326	54.00
91.75	36.540	54.05
92.13	36.754	54.10
92.51	36.968	54.15
92.89	37.182	54.20
93.27	37.396	54.25
93.65	37.610	54.30
94.03	37.824	54.35
94.41	38.038	54.40
94.79	38.252	54.45
95.17	38.466	54.50
95.55	38.680	54.55
95.93	38.894	54.60
96.31	39.108	54.65
96.69	39.322	54.70
97.07	39.536	54.75
97.45	39.750	54.80
97.83	39.964	54.85
98.21	40.178	54.90
98.59	40.392	54.95
98.97	40.606	55.00
99.35	40.820	55.05
99.73	41.034	55.10
100.11	41.248	55.15
100.49	41.462	55.20
100.87	41.676	55.25
101.25	41.890	55.30
101.63	42.104	55.35
102.01	42.318	55.40
102.39	42.532	55.45
102.77	42.746	55.50
103.15	42.960	55.55
103.53	43.174	55.60
103.91	43.388	55.65
104.29	43.602	55.70
104.67	43.816	55.75
105.05	44.030	55.80
105.43	44.244	55.85
105.81	44.458	55.90
106.19	44.672	55.95
106.57	44.886	56.00
106.95	45.100	56.05
107.33	45.314	56.10
107.71	45.528	56.15
108.09	45.742	56.20
108.47	45.956	56.25
108.85	46.170	56.30
109.23	46.384	56.35
109.61	46.598	56.40
109.99	46.812	56.45
110.37	47.026	56.50
110.75	47.240	56.55
111.13	47.454	56.60
111.51	47.668	56.65
111.89	47.882	56.70
112.27	48.096	56.75
112.65	48.310	56.80
113.03	48.524	56.85
113.41	48.738	56.90
113.79	48.952	56.95
114.17	49.166	57.00
114.55	49.380	57.05
114.93	49.594	57.10
115.31	49.808	57.15
115.69	50.022	57.20
116.07	50.236	57.25
116.45	50.450	57.30
116.83	50.664	57.35
117.21	50.878	57.40
117.59	51.092	57.45
117.97	51.306	57.50
118.35	51.520	57.55
118.73	51.734	57.60
119.11	51.948	57.65
119.49	52.162	57.70
119.87	52.376	57.75
120.25	52.590	57.80
120.63	52.804	57.85
121.01	53.018	57.90
121.39	53.232	57.95
121.77	53.446	58.00
122.15	53.660	58.05
122.53	53.874	58.10
122.91	54.088	58.15
123.29	54.302	58.20
123.67	54.516	58.25
124.05	54.730	58.30
124.43	54.944	58.35
124.81	55.158	58.40
125.19	55.372	58.45
125.57	55.586	58.50
125.95	55.800	58.55
126.33	56.014	58.60
126.71	56.228	58.65
127.09	56.442	58.70
127.47	56.656	58.75
127.85	56.870	58.80
128.23	57.084	58.85
128.61	57.298	58.90
128.99	57.512	58.95
129.37	57.726	59.00
129.75	57.940	59.05
130.13	58.154	59.10
130.51	58.368	59.15
130.89	58.582	59.20
131.27	58.796	59.25
131.65	59.010	59.30
132.03	59.224	59.35
132.41	59.438	59.40
132.79	59.652	59.45
133.17	59.866	59.50
133.55	60.080	59.55
133.93	60.294	59.60
134.31	60.508	59.65
134.69	60.722	59.70
135.07	60.936	59.75
135.45	61.150	59.80
135.83	61.364	59.85
136.21	61.578	59.90
136.59	61.792	59.95
136.97	62.006	60.00
137.35	62.220	60.05
137.73	62.434	60.10
138.11	62.648	60.15
138.49	62.862	60.20
138.87	63.076	60.25
139.25	63.290	60.30
139.63	63.504	60.35
140.01	63.718	60.40
140.39	63.932	60.45
140.77	64.146	60.50
141.15	64.360	60.55
141.53	64.574	60.60
141.91	64.788	60.65
142.29	65.002	60.70
142.67	65.216	60.75
143.05	65.430	60.80
143.43	65.644	60.85
143.81	65.858	60.90
144.19	66.072	60.95
144.57	66.286	61.00
144.95	66.500	61.05
145.33	66.714	61.10
145.71	66.928	61.15
146.09	67.142	61.20
146.47	67.356	61.25
146.85	67.570	61.30
147.23	67.784	61.35
147.61	68.000	61.40
147.99	68.214	61.45
148.37	68.428	61.50
148.75	68.642	61.55
149.13	68.856	61.60
149.51	69.070	61.65
149.89	69.284	61.70
150.27	69.498	61.75
150.65	69.712	61.80
151.03	69.926	61.85
151.41	70.140	61.90
151.79	70.354	61.95
152.17	70.568	62.00
152.55	70.782	62.05
152.93	70.996	62.10
153.31	71.210	62.15

Left	Center	Right
Station	Station	Station
23.06	25.60	28.31
23.37	25.75	28.48
23.90	25.90	28.65
24.21	26.05	28.82
24.52	26.20	28.99
24.83	26.35	29.16
25.14	26.50	29.33
25.45	26.65	29.50
25.76	26.80	29.67
26.07	26.95	29.84
26.38	27.10	30.01
26.69	27.25	30.18
27.00	27.40	30.35
27.31	27.55	30.52
27.62	27.70	30.69
27.93	27.85	30.86
28.24	28.00	31.03
28.55	28.15	31.20
28.86	28.30	31.37
29.17	28.45	31.54
29.48	28.60	31.71
29.79	28.75	31.88
30.10	28.90	32.05
30.41	29.05	32.22
30.72	29.20	32.39
31.03	29.35	32.56
31.34	29.50	32.73
31.65	29.65	32.90
31.96	29.80	33.07
32.27	29.95	33.24
32.58	30.10	33.41
32.89	30.25	33.58
33.20	30.40	33.75
33.51	30.55	33.92
33.82	30.70	34.09
34.13	30.85	34.26
34.44	31.00	34.43
34.75	31.15	34.60
35.06	31.30	34.77
35.37	31.45	34.94
35.68	31.60	35.11
35.99	31.75	35.28
36.30	31.90	35.45
36.61	32.05	35.62

I.C.H. 236 SEC. A.
LOGAN COUNTY

Left	Center	Right
Edge of Pavement	Width Sta. Centerline	Width Pavement
94.06	10.00 62.108	94.37
94.47	8.55 62.133	94.67
93.82	9.30 62.158	95.07
95.40	10.07 62.183	95.65
96.10	10.40 62.208	96.35
96.65	10.50 62.225	96.90
97.57	10.40 62.150	97.87
98.58	10.40 62.175	98.63
99.53	10.40 62.198	99.78
100.57	10.07 62.223	100.82
01.60	9.30 62.148	01.85
02.63	8.55 62.173	02.88
03.66	8.00 62.198	03.91

52.59 yds. Extra pavement
Mail post box

Left	Center	Right
Edge of Pavement	Width Sta. Centerline	Width Pavement
08.49	8.00 76.166	08.75
01.62	9.50 76.191	01.87
06.36	12.33 76.146	06.61
05.63	13.85 76.171	05.88
04.57	16.00 76.166	04.84
03.16	16.00 77.000	03.41
02.07	16.00 77.253	02.34
00.46	16.00 77.152	01.21
99.92	14.85 77.177	00.17
98.88	12.33 78.102	99.13
97.74	9.50 78.127	98.19
97.18	8.00 78.152	97.43

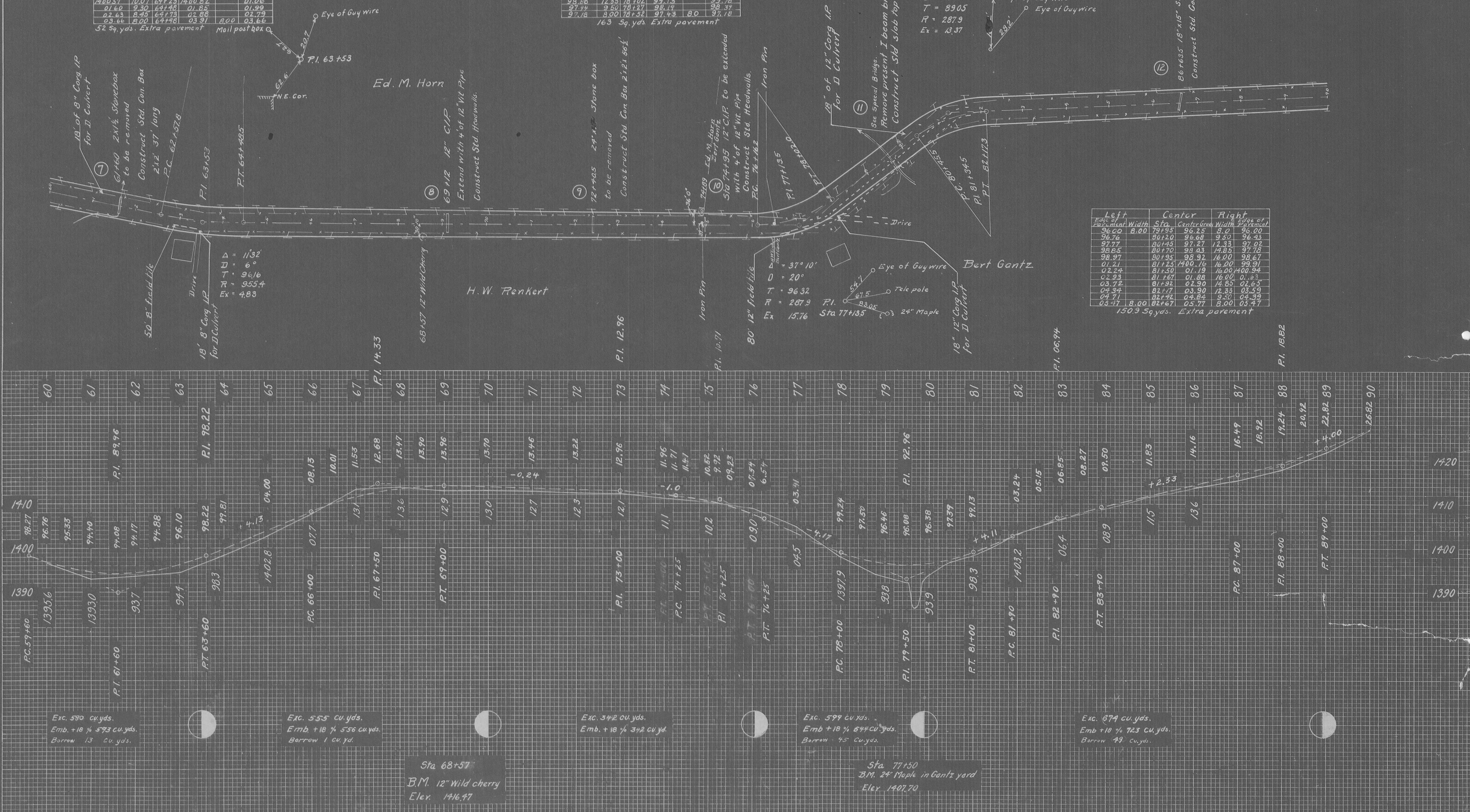
163.59 yds. Extra pavement

Left	Center	Right
Edge of Pavement	Width Sta. Centerline	Width Pavement
96.00	8.00 79.195	96.25
96.76	8.00 79.220	96.68
97.77	8.00 79.145	97.27
98.85	8.00 79.070	98.03
98.97	8.00 79.195	98.97
01.21	8.10 79.125	01.16
02.24	8.10 79.150	01.19
02.93	8.10 79.175	01.88
03.72	8.10 79.200	02.30
04.34	8.10 79.225	02.33
04.77	8.10 79.250	02.88
05.17	8.00 82.167	05.77

150.95 yds. Extra pavement

FINAL SURVEY
SURVEYED, PLOTTED, AND CHECKED
DATE: _____
BY: _____
NOTE BOOK NO. _____
AREAS CHECKED: _____

ORIGINAL SURVEY
SURVEYED, PLOTTED, AND CHECKED
DATE: _____
BY: _____
NOTE BOOK NO. _____
AREAS CHECKED: _____



Exc. 580 cu. yds.
Emb. + 18% 573 cu. yds.
Borrow 13 cu. yds.

Exc. 555 cu. yds.
Emb. + 18% 558 cu. yds.
Borrow 1 cu. yd.

Exc. 342 cu. yds.
Emb. + 18% 342 cu. yd.

Exc. 599 cu. yds.
Emb. + 18% 544 cu. yds.
Borrow 45 cu. yds.

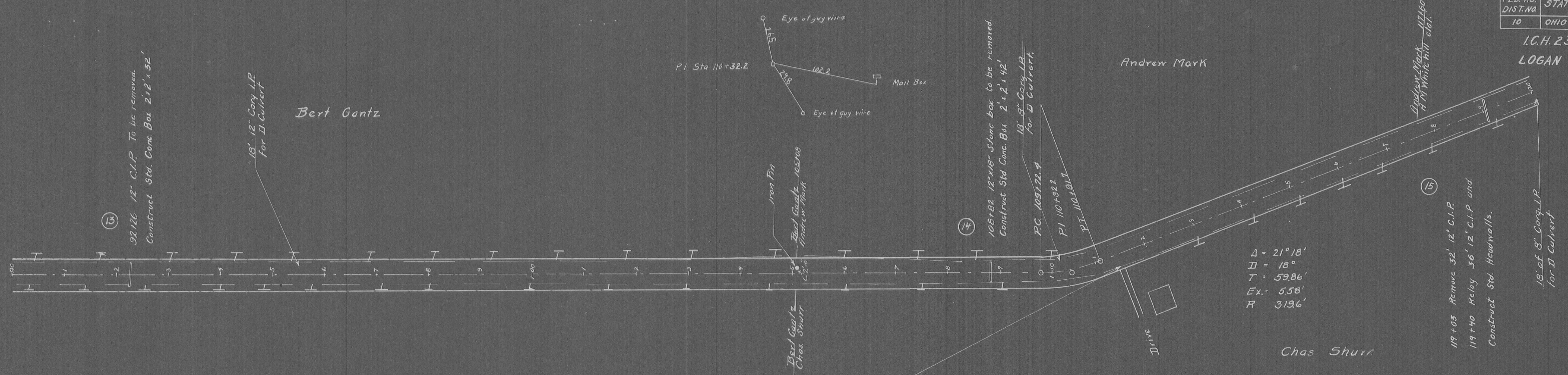
Exc. 674 cu. yds.
Emb. + 18% 723 cu. yds.
Borrow 49 cu. yds.

Sta 68+57
B.M. 12" Wild cherry
Elev. 1416.47

Sta 77+50
B.M. 24" Maple in Gantz yard
Elev. 1407.70

FINAL SURVEY
NO. 1000
DATE

ORIGINAL SURVEY
NO. 1000
DATE

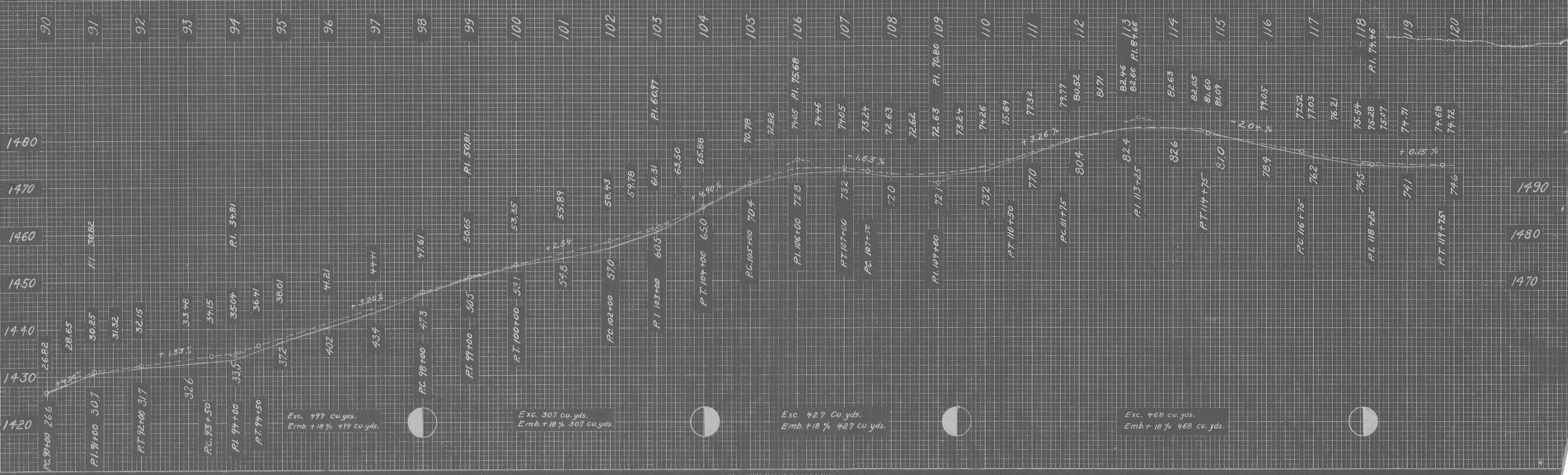


Left	Center	Right
74.53	8.0	103.12
72.96	9.35	103.27
73.38	11.90	103.72
73.98	14.16	103.97
74.57	15.20	110.122
75.15	15.20	110.142
75.99	14.16	110.67
76.81	11.90	110.92
77.62	9.35	111.17
78.53	8.0	111.42
95.8 sq yds Extra pavement		

Δ = 21° 18'
D = 18°
T = 59.86'
Ex = 5.58'
R = 3196'

B.M.
Sta. 96 + 70
Double Elm + 0.5' Right
Elev. 1440.47

B.M.
Sta. 112 + 40
Boulder 100' Right
Elev. 1472.47



Exc. 499 cu. yds.
Emb. + 18% 499 cu. yds.

Exc. 307 cu. yds.
Emb. + 18% 307 cu. yds.

Exc. 427 cu. yds.
Emb. + 18% 427 cu. yds.

Exc. 468 cu. yds.
Emb. + 18% 468 cu. yds.

I.C.H. 236 SEC. A
LOGAN COUNTY

Right	Center	Left
Edge of Pavement	Sta. Center	Edge of Pavement
50.92	8.00	140.74
50.89	9.50	140.99
50.06	12.33	141.24
49.65	15.85	141.49
49.27	16.00	141.74
48.93	16.00	142.00
48.65	16.00	142.25
48.54	16.00	142.50
48.79	15.85	142.75
49.04	12.33	143.00
47.80	9.50	143.25
47.55	8.00	143.50

142.34 yds. pavement

Alfred Whitney

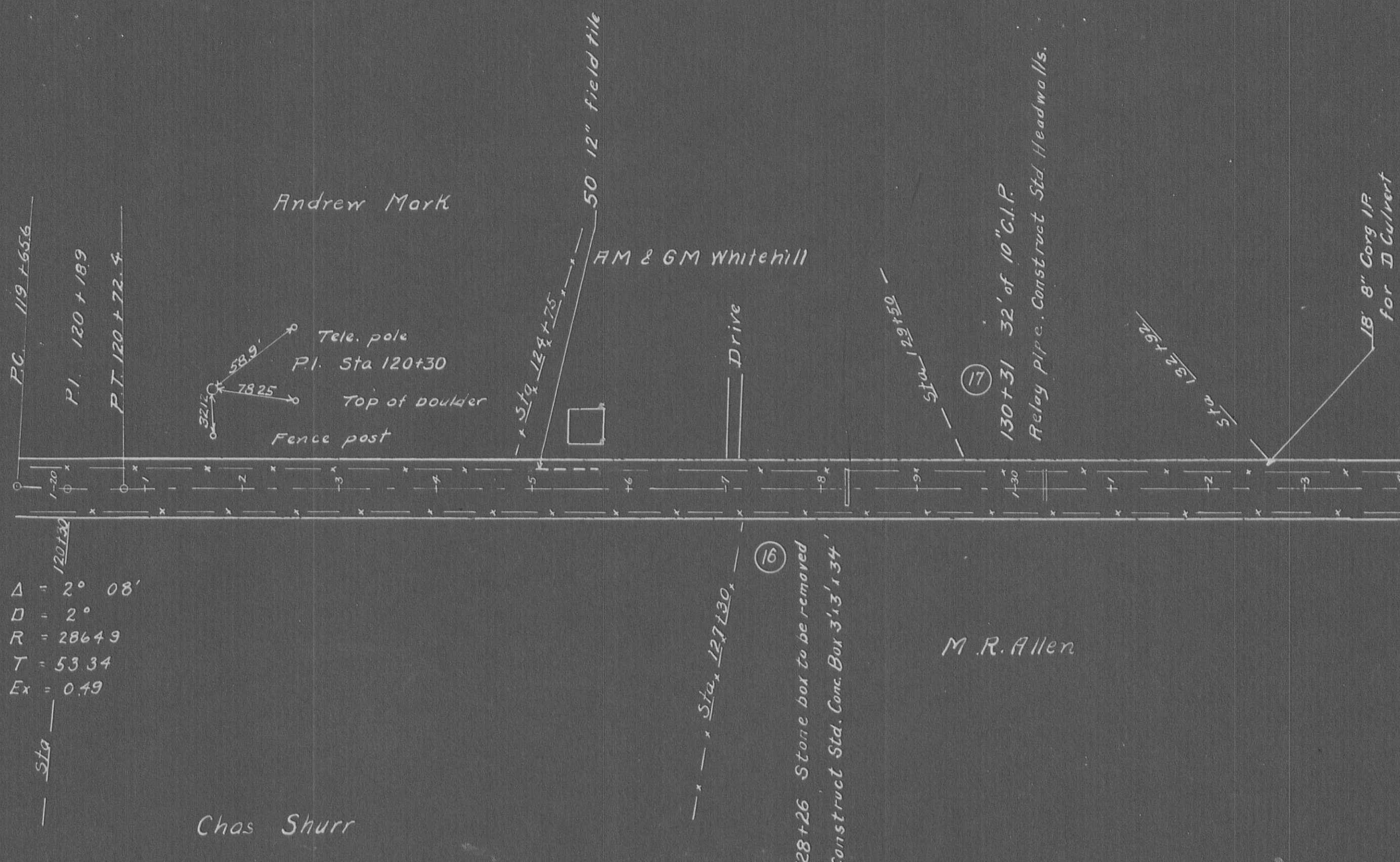
Frank E Shockey

Left	Center	Right
Edge of Pavement	Sta. Center	Edge of Pavement
41.23	8.0	143.42
40.30	9.5	143.67
39.70	12.33	143.92
38.88	15.85	144.17
38.05	16.00	144.42
36.82	16.00	144.79
36.00	14.85	150.04
35.17	12.33	150.29
34.34	9.5	150.54
33.51	8.0	150.79

122.34 yds. pavement

Δ = 32° 15'
D = 20'
R = 287.9
T = 83.23
Ex = 11.78

Δ = 22° 14'
D = 20'
R = 287.9
T = 83.23
Ex = 6.83

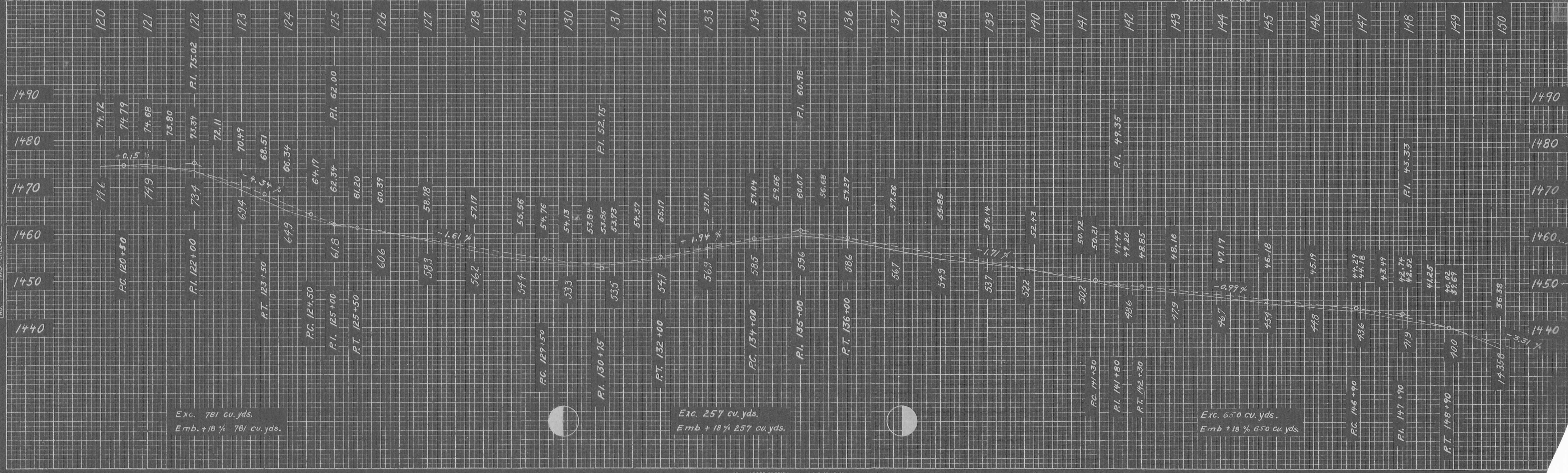


Δ = 2° 08'
D = 2'
R = 2864.9
T = 53.34
Ex = 0.49

B.M.
Sta 120+80
Large boulder
Elev 1477.29

B.M.
Sta 130+84
White Oak
Elev 1455.32

B.M.
Sta 144+50
S.W. Corner of barn
foundation
Elev 1450.30



Exc. 781 cu. yds.
Emb. +18% 781 cu. yds.

Exc. 257 cu. yds.
Emb. +18% 257 cu. yds.

Exc. 650 cu. yds.
Emb. +18% 650 cu. yds.

FINAL SURVEY PLOTTED
NOTE BOOK NO. _____
DATE _____

ORIGINAL SURVEY PLOTTED
NOTE BOOK NO. _____
DATE _____

I.C.H. 236 SEC. A
LOGAN COUNTY

$\Delta = 25^{\circ} 09'$
 $D = 10'$
 $R = 573.7$
 $T = 117.37$
 $Ex = 11.89$



Left	Sta	Center	Right	Width	Area
07.51	161+33	01.76	8.00	07.51	0.51
06.47	161+38	06.51	8.75	06.26	0.21
05.31	161+53	05.14	10.16	04.89	0.17
04.06	162+08	03.68	11.43	03.43	0.12
02.78	162+33	02.14	12.00	01.94	0.07
01.76	162+50	01.17	12.00	00.94	0.03
14.00	162+75	02.68	12.00	09.68	0.81
98.78	163+00	08.14	12.00	87.44	9.89
97.29	163+25	06.70	12.00	86.45	9.78
94.83	163+50	05.24	12.00	83.99	9.48
93.40	163+75	03.82	11.43	82.77	9.33
92.20	164+00	02.43	10.16	81.28	9.14
91.21	164+25	01.25	8.75	80.00	8.96
90.47	164+50	00.72	8.00	80.47	8.88

104.3 Sq yds Extra pavement

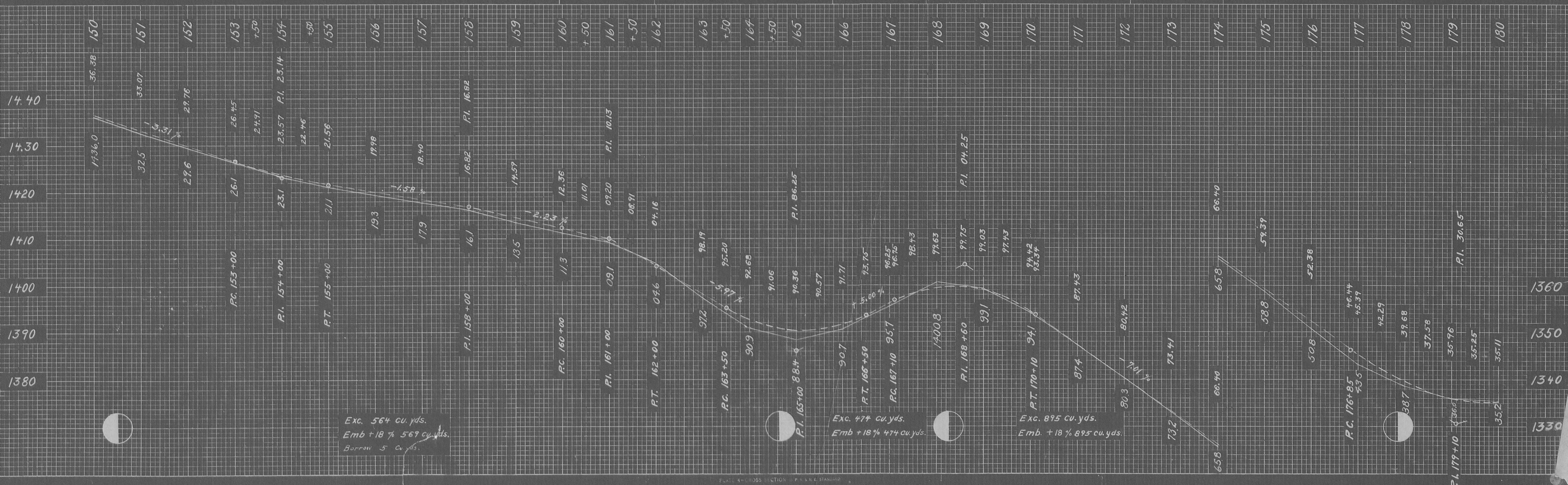
B.M.
Sta. 160+96
Ash 100' Right
Elev. 1413.41

B.M.
Sta. 166+60
S.E. Cor. Barn Fd.
Elev. 1397.31

B.M.
Sta. 173+00
Elm 283' Right
Elev. 1376.85

FINAL SURVEY
DRAWN BY
CHECKED BY
DATE

ORIGINAL SURVEY
DRAWN BY
CHECKED BY
DATE



Exc. 564 cu. yds.
Emb + 18% 567 cu. yds.
Borrow 5 cu. yds.

Exc. 474 cu. yds.
Emb + 18% 474 cu. yds.

Exc. 895 cu. yds.
Emb + 18% 895 cu. yds.

FINAL SURVEY
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(21) 180 +24 18" x 24" Stone box to be removed. Construct Std. Cur. Box 2' x 2' x 46"

Sta. 182+29

Iron Pin

James Duff

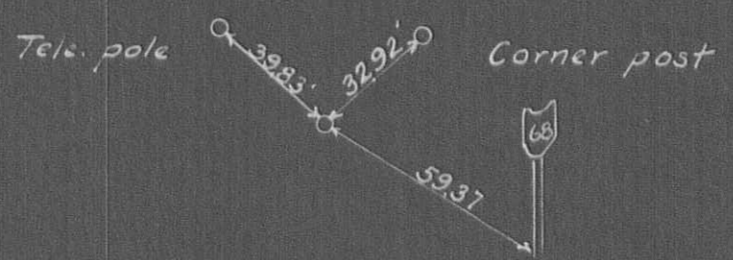
Elisha Stephens

50' 8" Field tile

To Harper

Sta. 194+00 End of Sec.

To Zanesfield



B.M.
Sta. 182+20
Iron wood
Elev 1339.39

B.M.
75' NE Sta. 194+00
Forked Elm
Elev 1336.86



Exc. 512 Cu Yds.
Emb + 18% 489 Cu Yds.
Waste 23 Cu Yds.

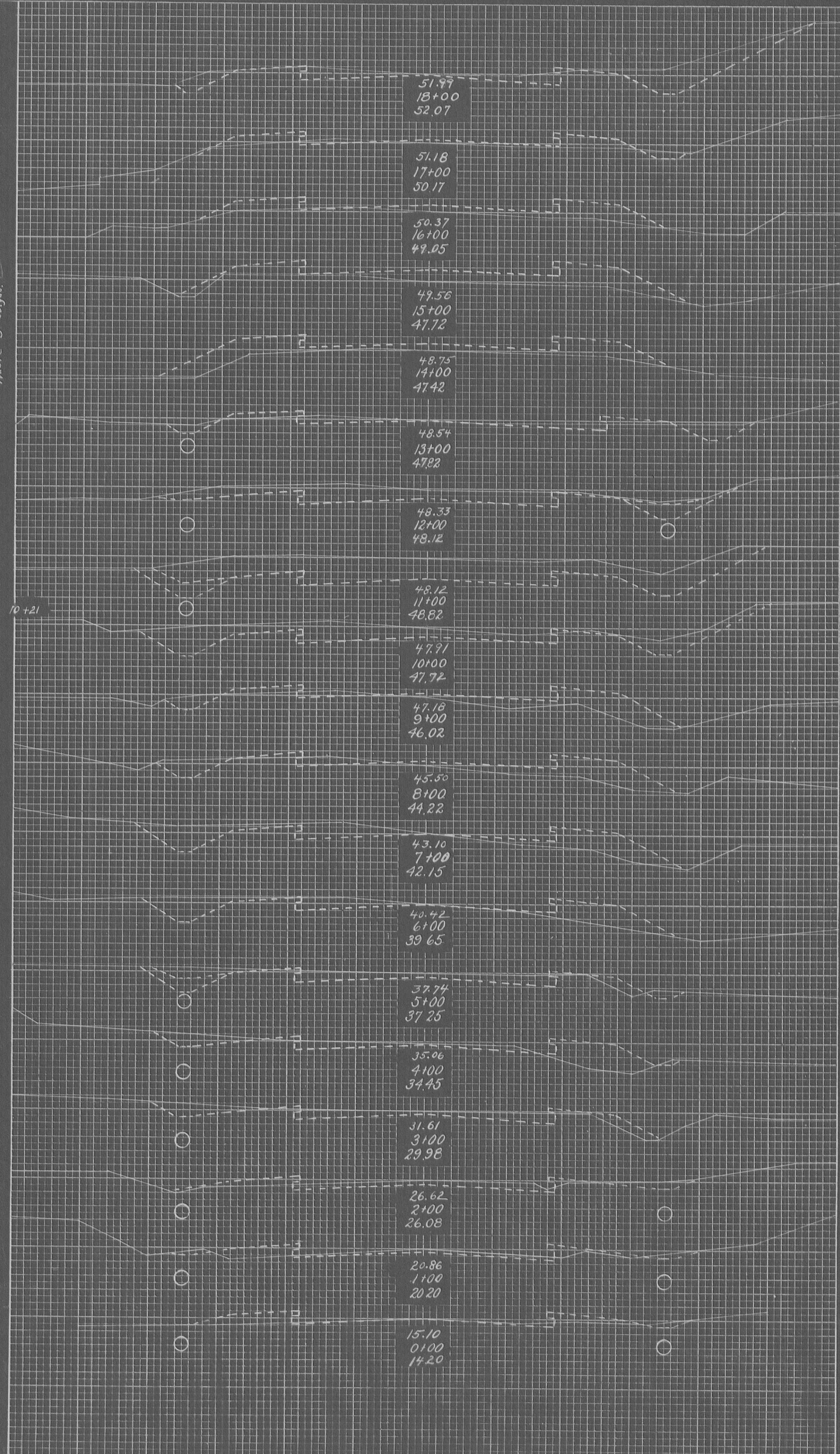
Exc. 457 Cu Yds.
Emb + 18% 438 Cu Yds.
Waste 19 Cu Yds.

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End Area		Cu. Yds.	
Cut	Fill	Cut	Fill
32	0		
		65	13
3	7		
		6	48
0	19		
		0	91
0	30		
		0	109
0	29		
		17	59
9	3		
		56	6
27	0		
		170	0
71	0		
		189	2
31	1		
		67	33
5	17		
		20	61
6	16		
		39	57
15	15		
		50	59
12	17		
		57	35
12	2		
		39	24
9	11		
		37	26
11	3		
		35	13
8	4		
		22	20
4	7		
		15	26
4	7		

Excavation 536 Cu. yds.
Embankment +18% 533 Cu. yds.
Waste 3 Cu. yds.

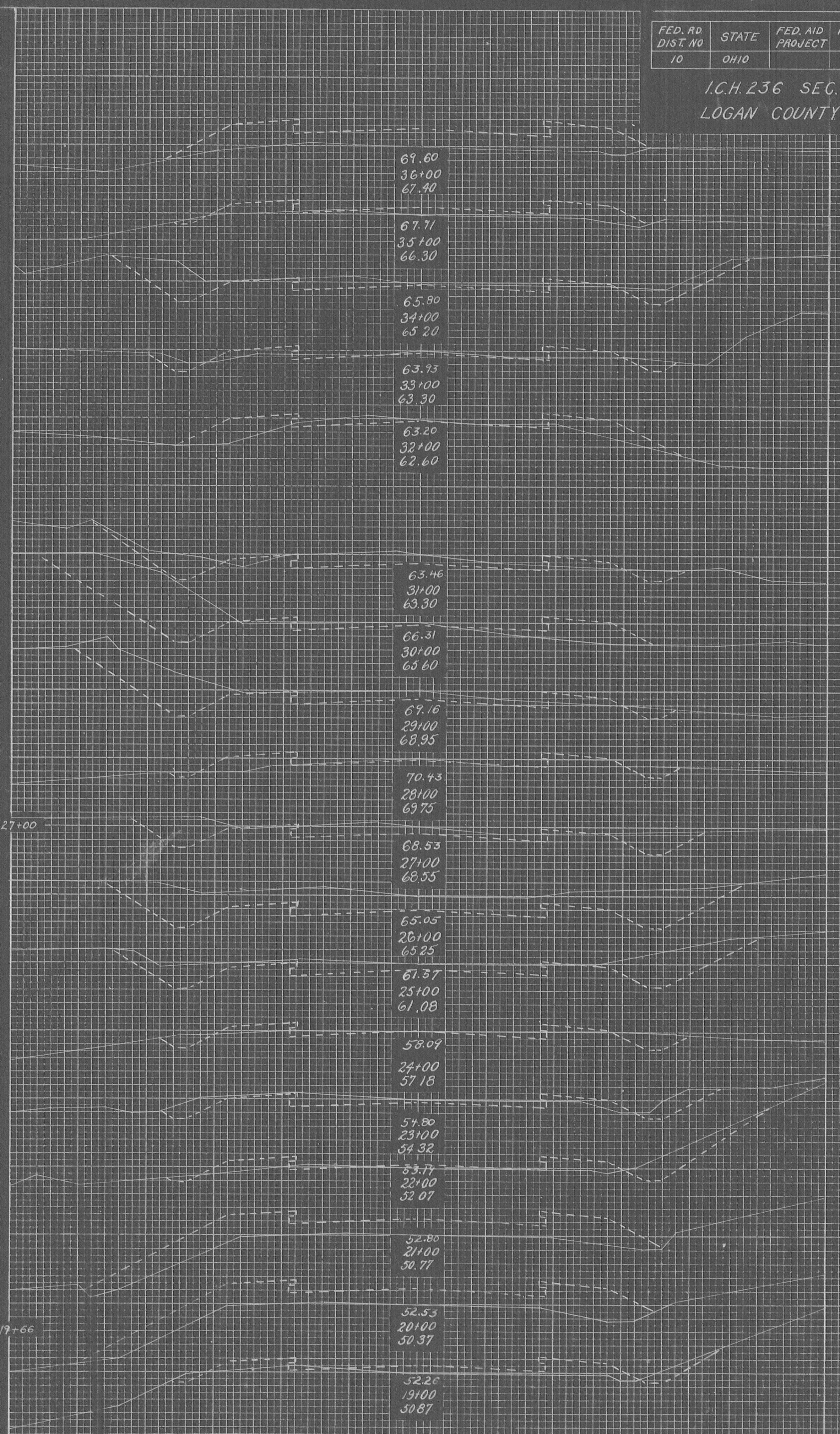
Excavation 421 Cu. yds.
Embankment +18% 421 Cu. yds.



End Area		Cu. Yds.	
Cut	Fill	Cut	Fill
0	46		
		2	126
1	22		
		61	44
32	2		
		72	15
7	6		
		22	37
5	14		
		56	37
25	6		
		128	41
44	16		
		150	35
37	3		
		74	26
3	11		
		57	24
28	2		
		200	4
70	0		
		207	2
42	1		
		102	11
13	5		
		54	15
16	3		
		56	24
14	10		
		26	119
0	54		
		0	202
0	55		
		9	133
5	17		
		67	32

Excavation 659 Cu. yds.
Embankment +18% 639 Cu. yds.

Excavation 648 Cu. yds.
Embankment +18% 642 Cu. yds.
Waste 156 Cu. yds. for road approach.



FINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED

ORIGINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED

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FINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED BY DATE

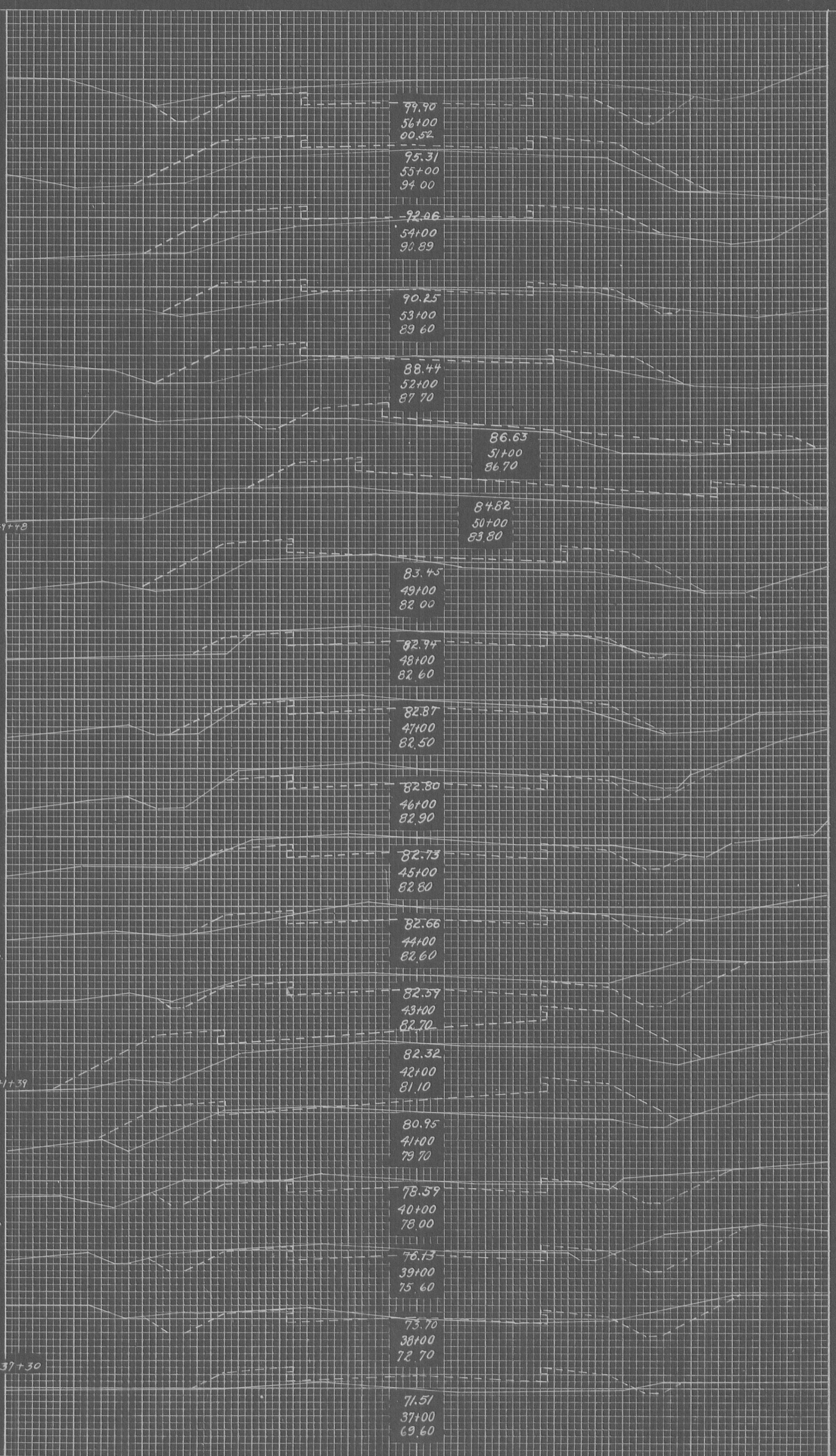
ORIGINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED BY DATE

End Area		Cu. Yds.	
Cut	Fill	Cut	Fill
52	0		
		96	78
0	42		
		0	137
0	32		
		2	91
2	17		
		11	72
4	22		
		13	96
3	30		
		6	159
0	56		
		0	182
0	42		
		32	83
17	3		
		59	22
15	9		
		83	17
30	0		
		111	0
30	0		
		96	9
22	5		
		124	9
45	0		
		83	144
0	78		
		2	239
1	51		
		56	96
29	1		
		109	7
30	3		
		94	11
21	3		
		43	61
2	30		
		4	141

Excavation 857 Cu. yds.
Embankment + 18% 857 Cu. yds.

Excavation 619 Cu. yds.
Embankment + 18% 619 Cu. yds.

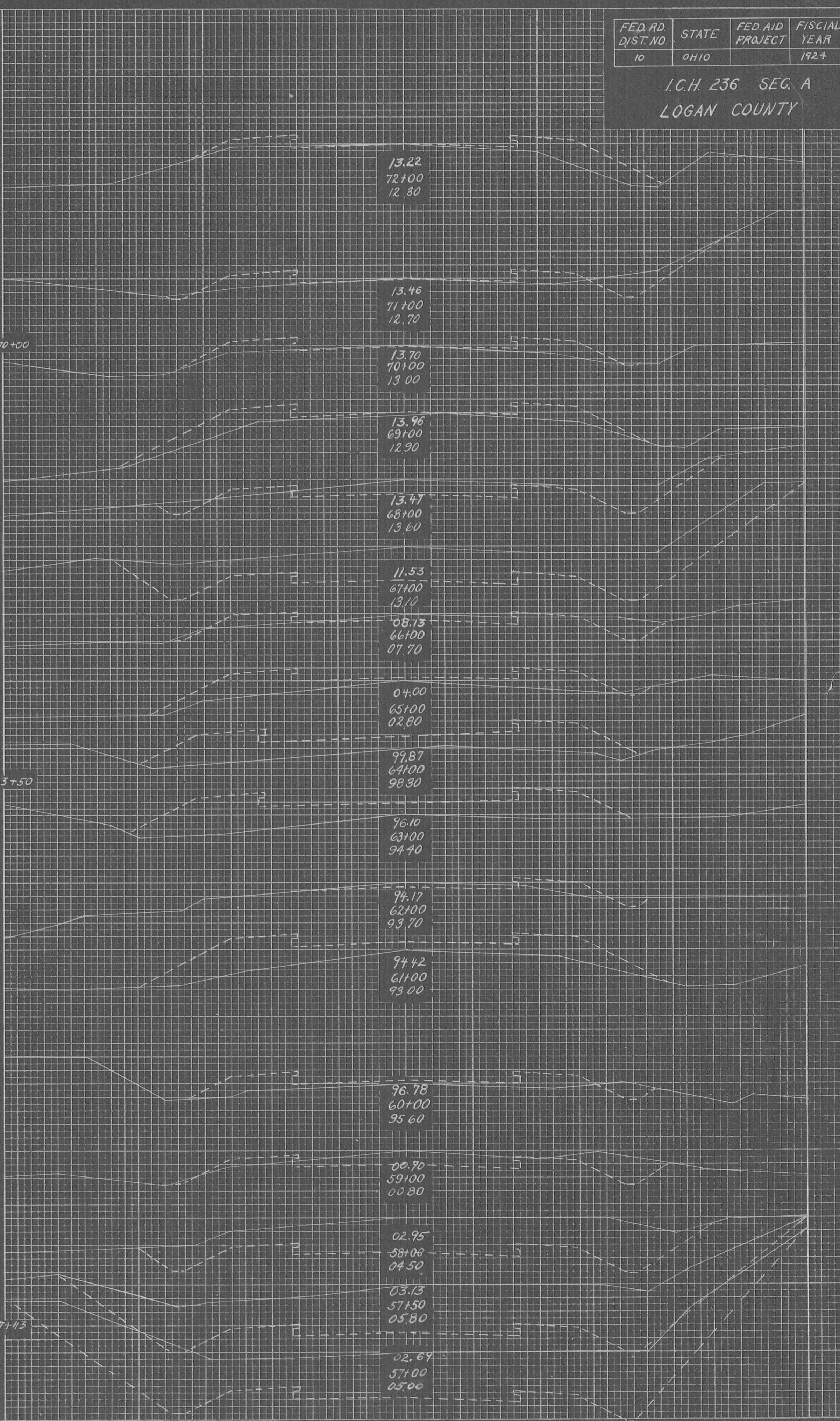
Excavation 290 Cu. yds.
Embankment + 18% 290 Cu. yds.
Borrow 1 Cu. yds.



End Area		Cu. Yds.	
Cut	Fill	Cut	Fill
0	21		
		15	61
8	12		
		15	50
0	15		
		0	72
0	24		
		52	50
28	3		
		255	6
110	0		
		224	11
11	6		
		22	70
1	32		
		2	159
0	54		
		0	206
0	57		
		9	119
5	5		
		9	104
0	51		
		7	130
4	19		
		56	41
26	3		
		222	6
94	0		
		233	0
158	0		
		323	0
141	0		
		450	0

Excavation 555 Cu. yds.
Embankment + 18% 555 Cu. yds.
Borrow 1 Cu. yds.

Excavation 580 Cu. yds.
Embankment + 18% 580 Cu. yds.
Borrow 13 Cu. yds.



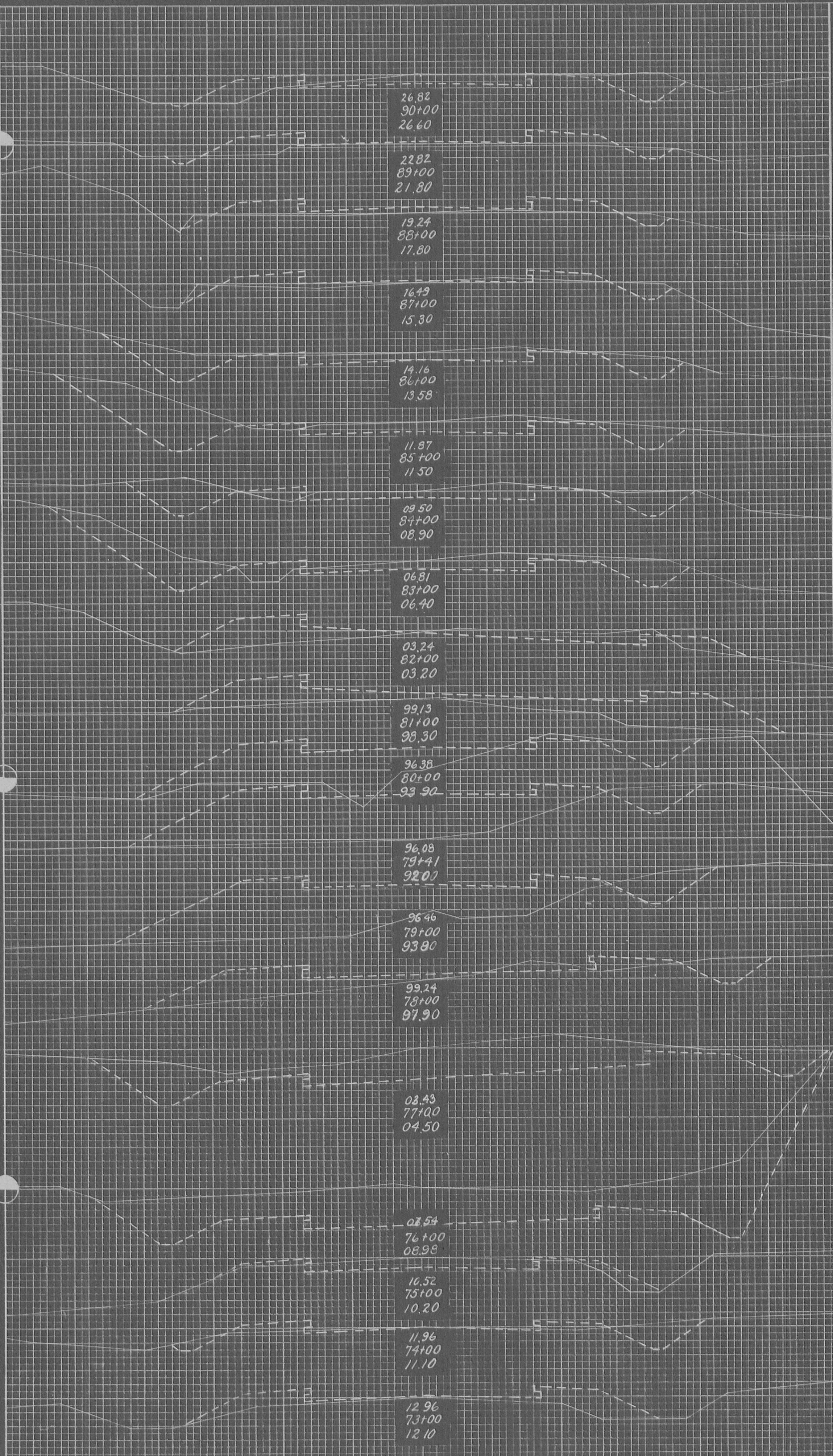
I.C.H. 236 SEG. A.
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End Area		Cu. Yds.	
Cut	Fill	Cut	Fill
20	8		
		43	57
3	23		
		18	85
4	23		
		20	67
7	13		
		72	26
32	1		
		157	7
53	3		
		157	11
32	3		
		140	15
43	5		
		94	57
8	24		
		15	141
0	52		
		19	193
10	52		
		19	157
3	92		
		12	135
8	90		
		32	219
9	28		
		165	52
80	0		
		385	0
128	0		
		246	22
12	5		
		32	33
12	6		
		22	48
0	20		
		0	76

Excavation 674 Cu. Yds.
Embankment +18% 723 Cu. Yds.
Borrow 49 Cu. Yds.

Excavation 599 Cu. Yds.
Embankments +18% 699 Cu. Yds.
Borrow 45 Cu. Yds.

Excavation 342 Cu. Yds.
Embankments +18% 342 Cu. Yds.

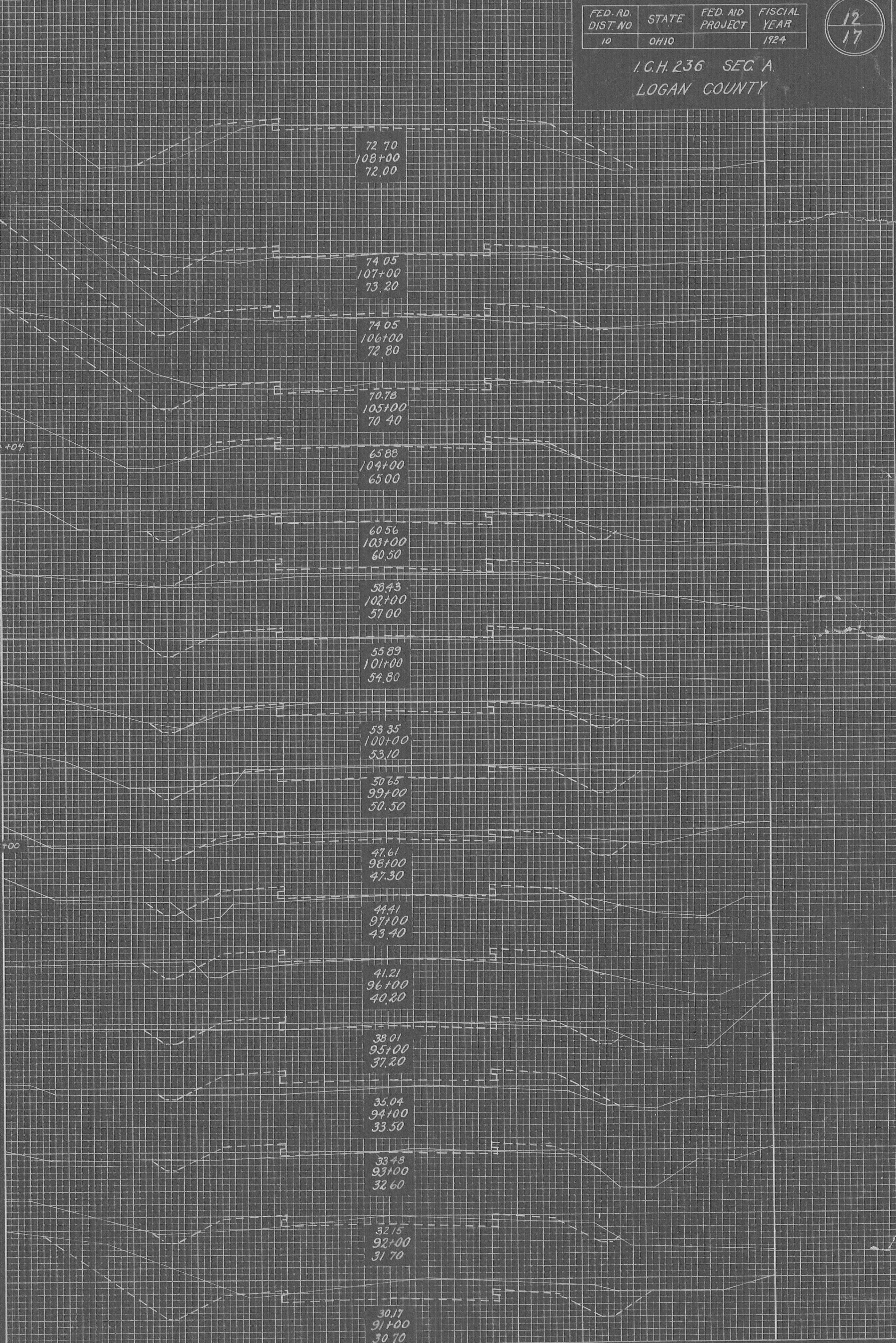


End Area		Cu. Yds.	
Cut	Fill	Cut	Fill
7	26		
		30	67
9	10		
		83	69
36	27		
		172	56
57	3		
		113	17
4	6		
		48	15
22	2		
		41	65
0	33		
		7	107
4	23		
		39	46
17	2		
		82	9
27	3		
		85	17
19	6		
		43	43
4	17		
		13	63
3	17		
		22	44
9	7		
		19	70
1	31		
		9	74
4	9		
		30	30
12	7		
		152	17
70	2		
		167	19

Excavation 427 Cu. Yds.
Embankment +18% 427 Cu. Yds.

Excavation 307 Cu. Yds.
Embankment +16% 307 Cu. Yds.

Excavation 499 Cu. Yds.
Embankment +18% 499 Cu. Yds.



FINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED

ORIGINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED

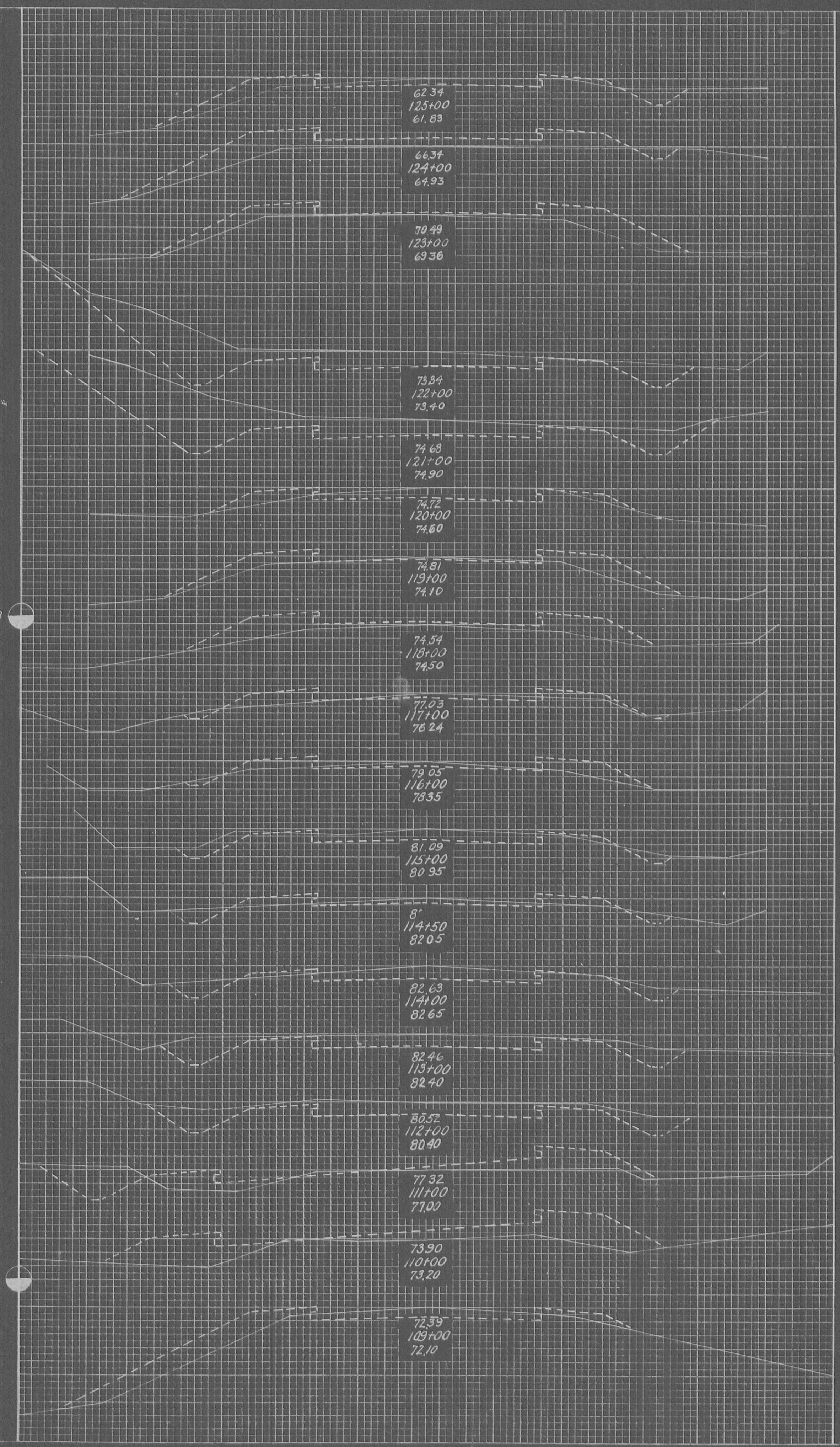
FINAL SURVEY NOTE BOOK NO. BY DATE

ORIGINAL SURVEY NOTE BOOK NO. BY DATE

End Area		Cu. Yds.	
Cut	Fill	Cut	Fill
13	10		
		28	89
2	38		
		4	30
0	32		
		119	59
64	0		
		270	0
82	0		
		174	15
12	8		
		22	52
0	20		
		0	85
0	26		
		7	69
4	11		
		17	41
5	11		
		43	22
18	1		
		26	7
10	7		
		31	8
23	2		
		102	4
32	0		
		122	0
34	0		
		87	44
13	24		
		24	132
0	47		
		15	137
8	27		
		28	98

Excavation 781 Cu. yds.
Embankment +18% 781 Cu. yds.

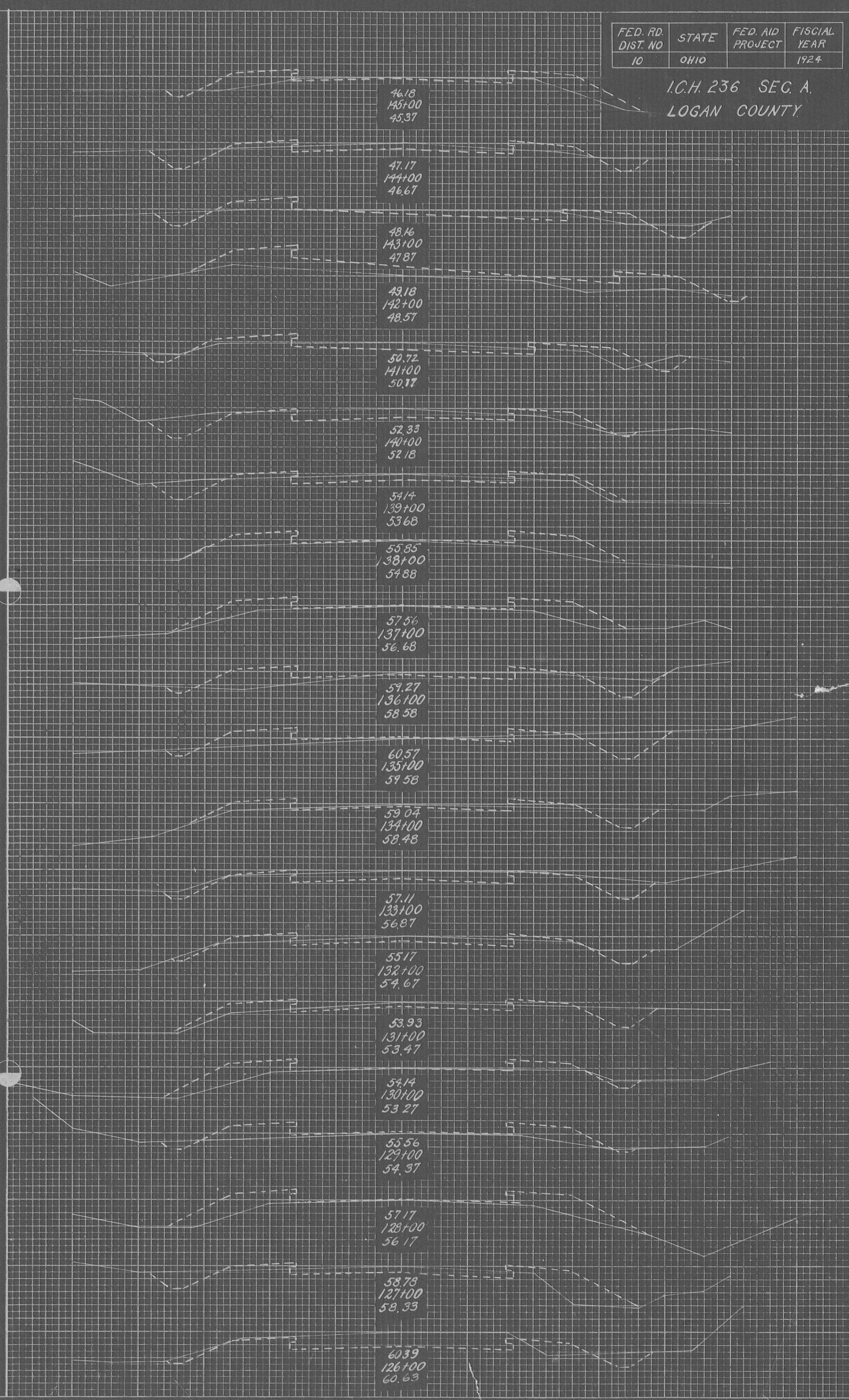
Excavation 468 Cu. yds.
Embankment +18% 468 Cu. yds.



End Area		Cu. Yds.	
Cut	Fill	Cut	Fill
3	18		
		37	43
17	5		
		57	24
14	8		
		26	87
0	39		
		24	91
13	10		
		59	28
19	5		
		57	20
12	6		
		22	39
0	15		
		0	59
0	17		
		15	54
8	12		
		35	41
11	10		
		37	30
9	6		
		56	11
21	0		
		57	7
10	4		
		37	20
10	7		
		20	39
1	14		
		4	50
1	13		
		2	65
0	22		
		24	69
13	15		
		67	30
23	4		
		67	26

Excavation 650 Cu. yds.
Embankment +18% 650 Cu. yds.

Excavation 257 Cu. yds.
Embankment +18% 257 Cu. yds.



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FINAL SURVEY SURVEYED PLOTTED
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 AREAS CHECKED _____

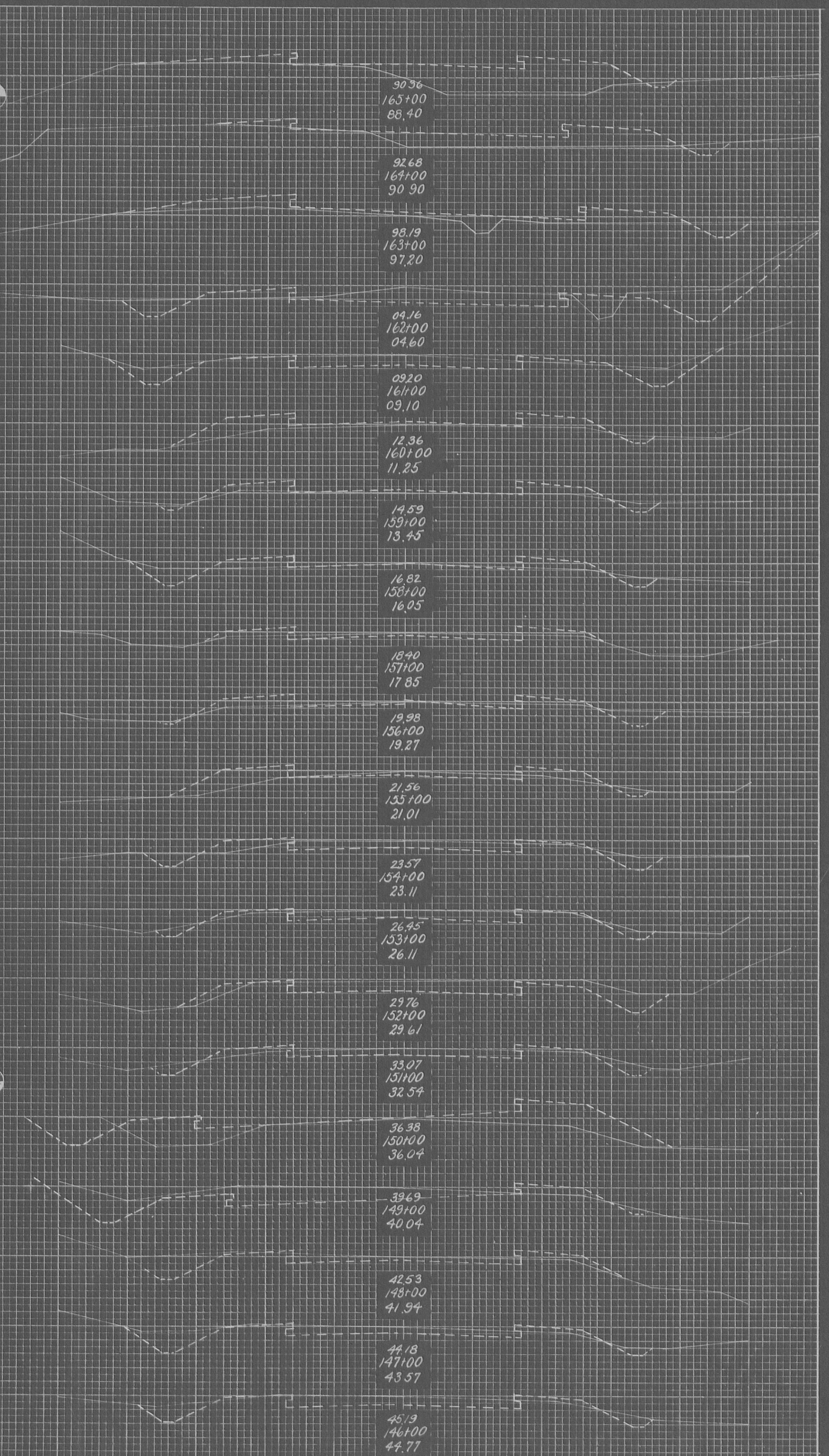
ORIGINAL SURVEY SURVEYED PLOTTED
 NOTE BOOK NO. _____
 AREAS CHECKED _____

Sta.	End Area		Cu. Yds.	
	Cut	Fill	Cut	Fill
1	42			
3	22			
3	16			
39	8			
22	2			
1	16			
2	7			
8	6			
4	4			
6	6			
6	12			
15	5			
13	2			
18	3			
13	4			
9	34			
34	3			
17	3			
19	3			
19	2			
37	37			

Excavation 564 Cu. yds.
 Embankment +18% 569 Cu. yds.
 Borrow 5 Cu. yds.

164+65

150+50



90.36
165+00
88.40

92.68
167+00
90.90

98.19
163+00
97.20

04.16
162+00
04.60

09.20
164+00
09.10

12.36
160+00
11.25

14.59
159+00
13.45

16.82
158+00
16.05

18.40
157+00
17.85

19.98
156+00
19.27

21.56
155+00
21.01

23.57
154+00
23.11

26.45
153+00
26.11

29.76
152+00
29.61

33.07
151+00
32.54

36.38
150+00
36.04

39.69
149+00
40.04

42.53
148+00
41.94

44.18
147+00
43.57

45.19
146+00
44.77

Sta.	End Area		Cu. Yds.	
	Cut	Fill	Cut	Fill
16	2			
2	21		33	43
0	31			
13	22			
20	5			
36	10			
0	37			
0	100			
0	53			
5	19			
20	8			
29	7			
25	1			
25	3			
12	7			
78	0			
157	0			
16	7			
2	67			
6	206			

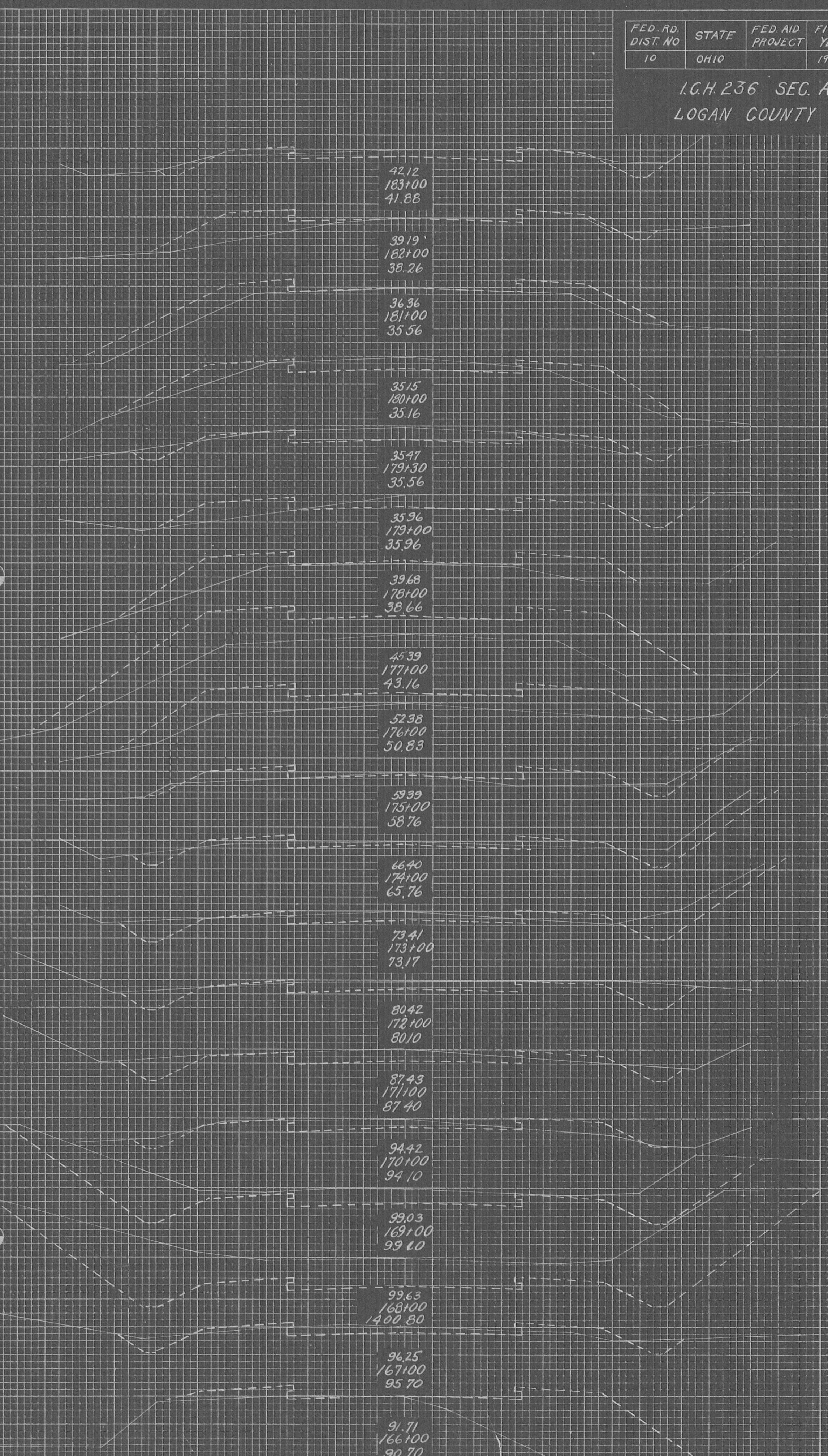
Excavation 512 Cu. yds.
 Embankment +18% 489 Cu. yds.
 Waste 21 Cu. yds.

Excavation 895 Cu. yds.
 Embankment +18% 895 Cu. yds.

Excavation 474 Cu. yds.
 Embankment +18% 474 Cu. yds.

177+83

168+26



42.12
183+00
41.88

39.19
182+00
38.26

36.36
181+00
35.56

35.15
180+00
35.16

35.47
179+30
35.56

35.96
179+00
35.96

39.68
178+00
38.66

45.39
177+00
43.16

52.38
176+00
50.83

59.39
175+00
58.76

66.40
174+00
65.76

73.41
173+00
73.17

80.42
172+00
80.10

87.43
171+00
87.40

94.42
170+00
94.10

99.03
169+00
99.60

99.63
168+00
100.80

96.25
167+00
95.70

91.71
166+00
90.70

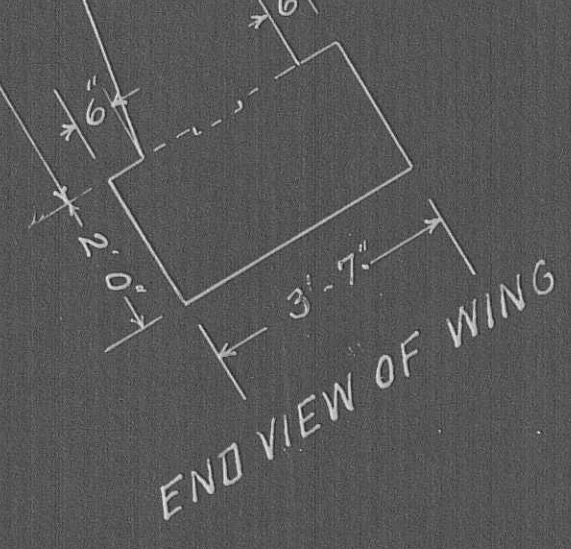
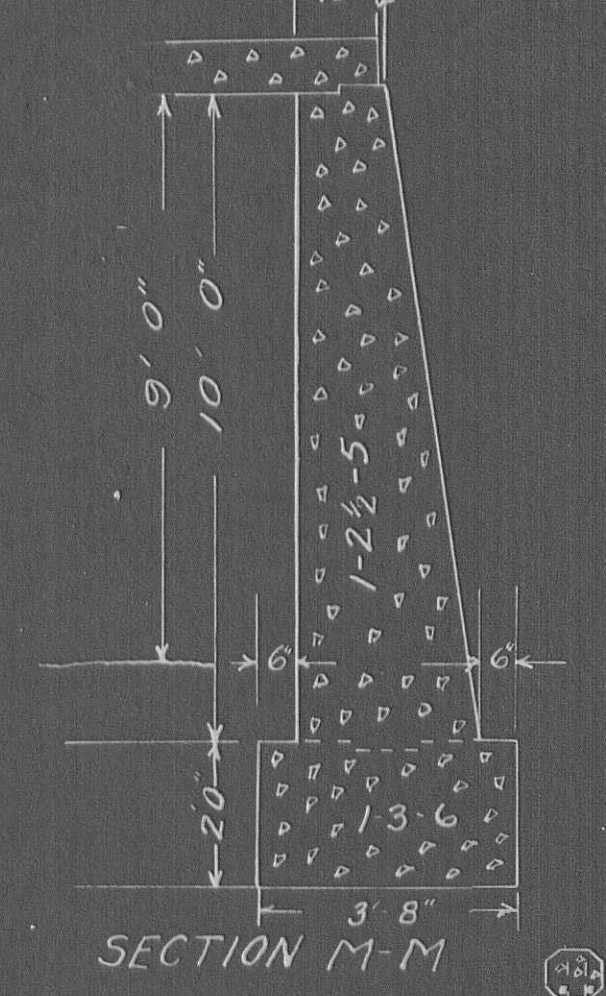
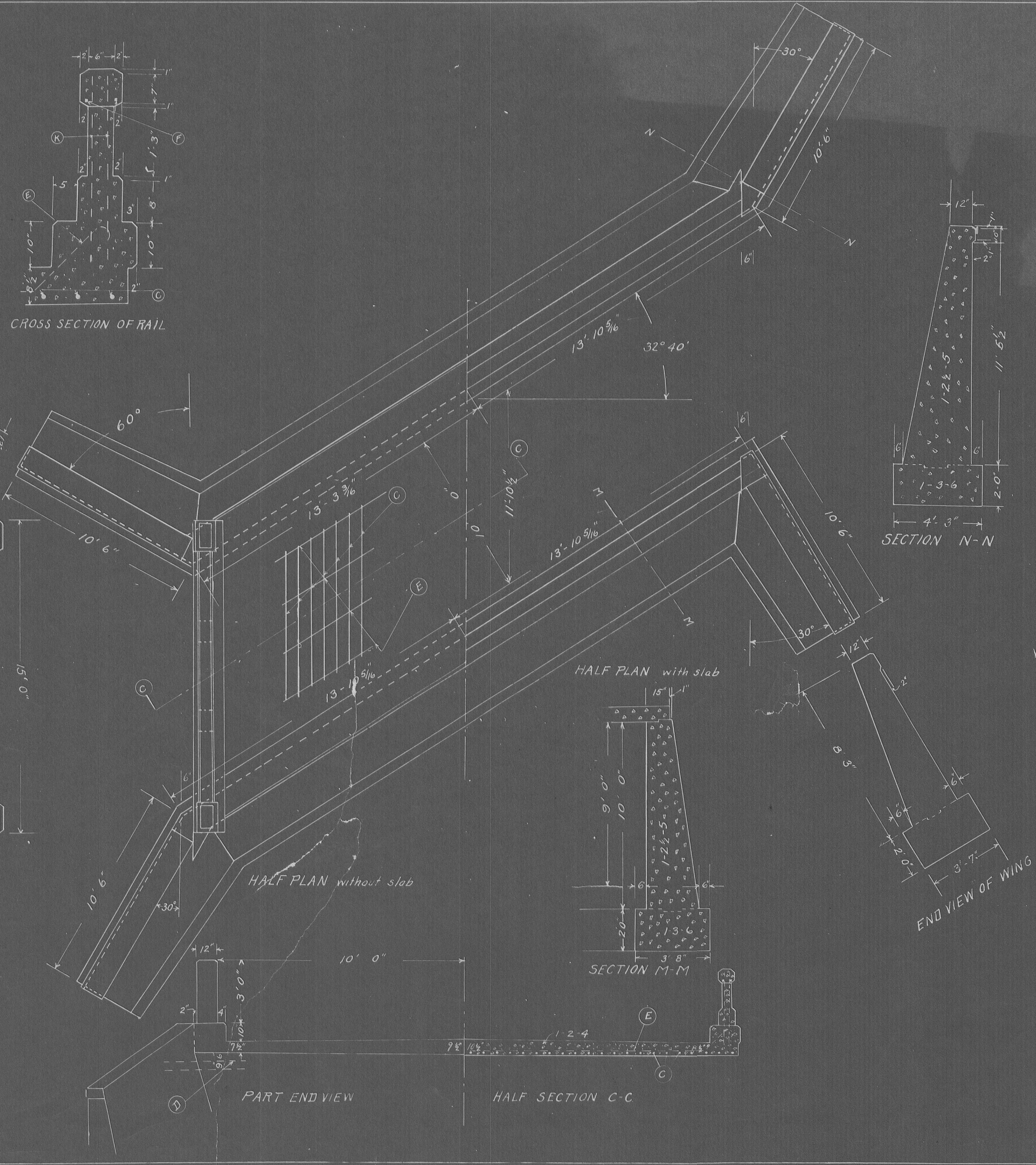
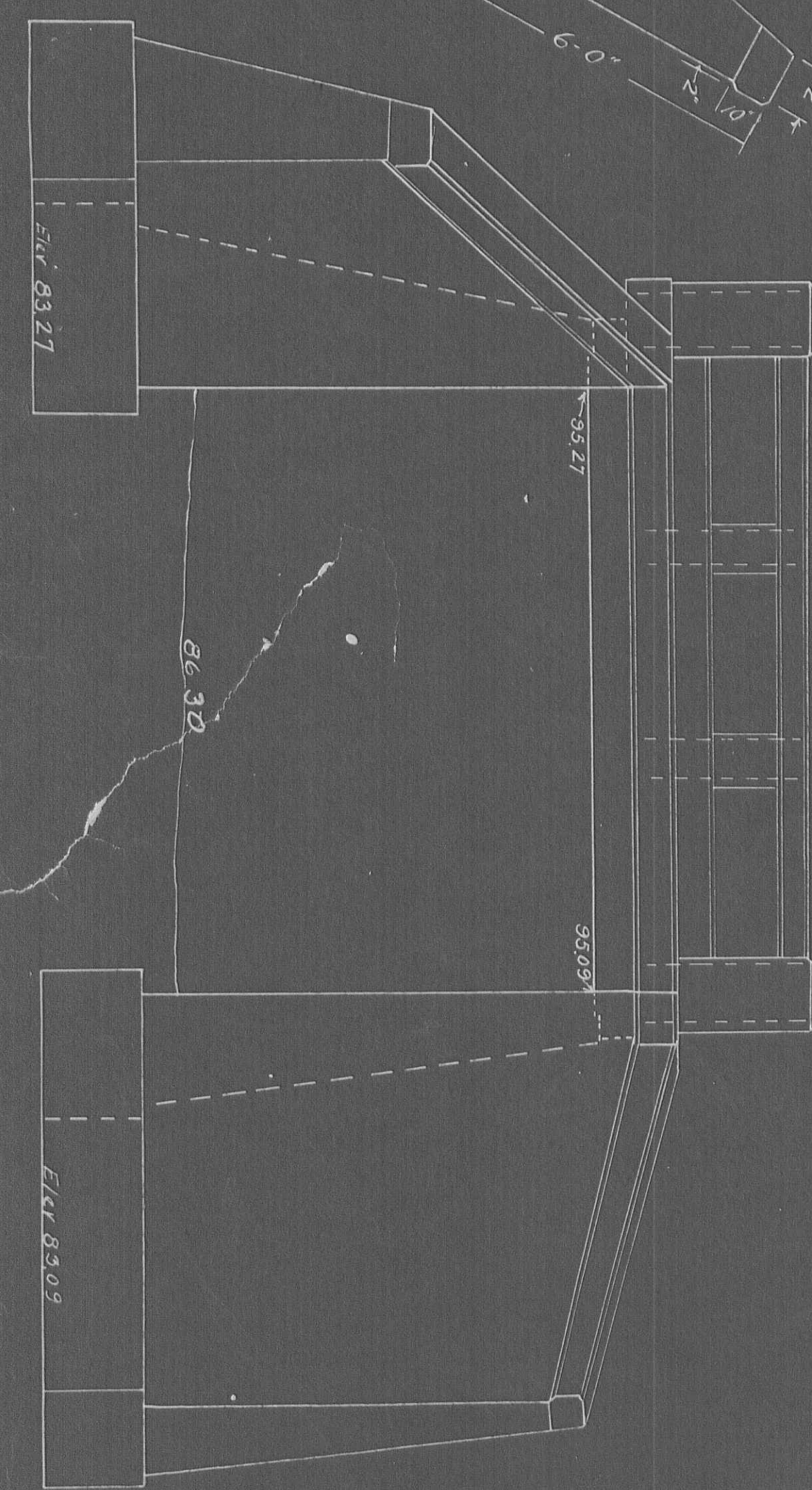
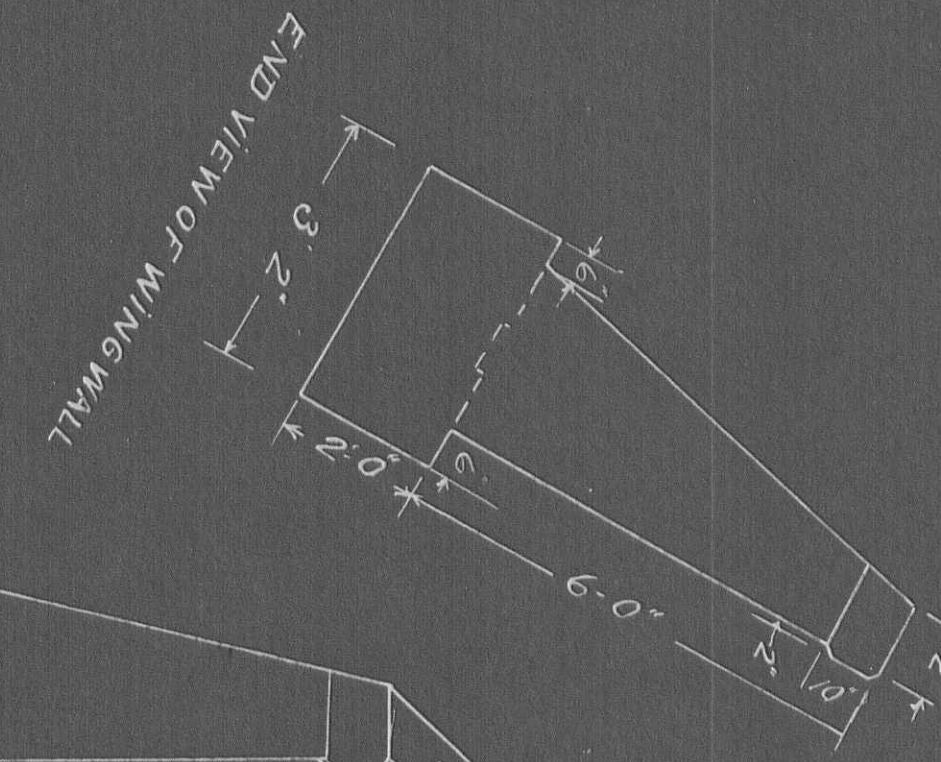
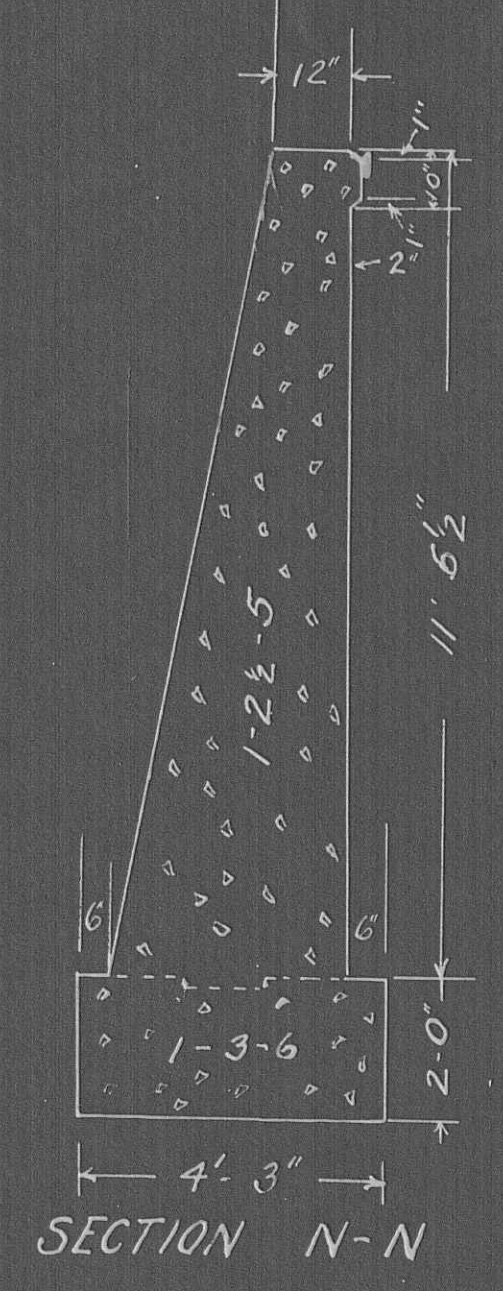
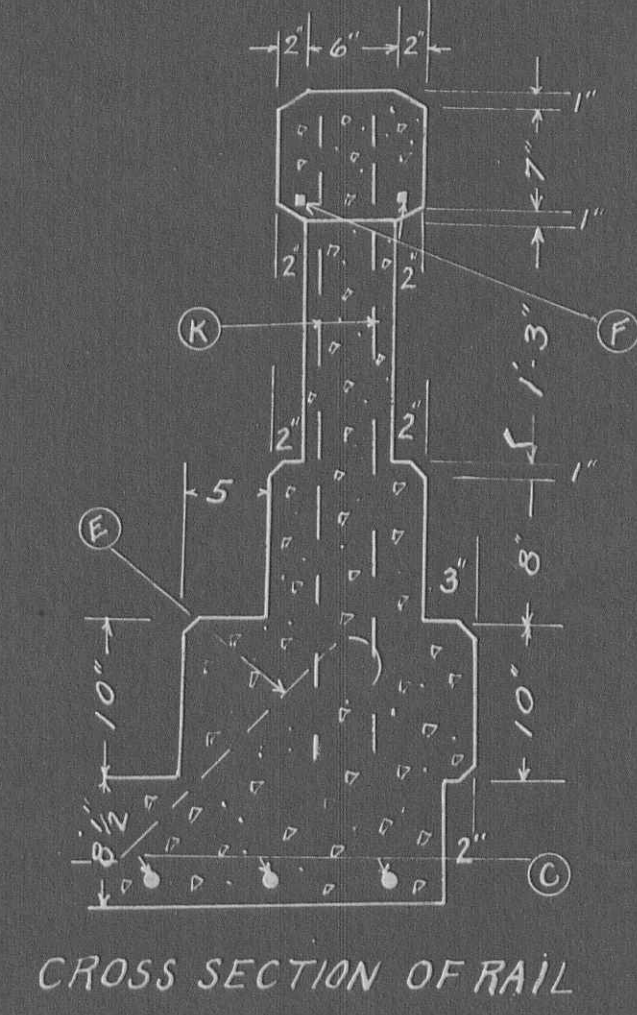
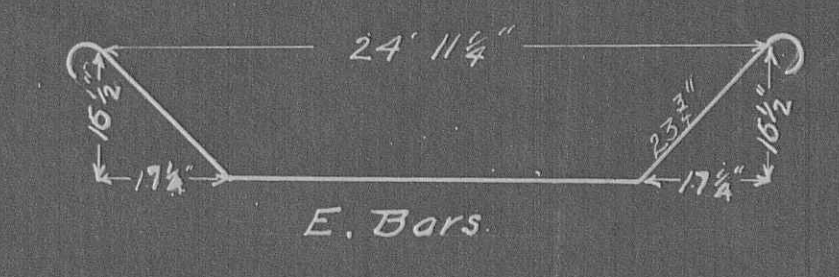
FED. RD. DIST. NO.	STATE	FED. AID PROJECT	FISCAL YEAR
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1.C.H 236 SEC A
LOGAN COUNTY

Steel					
Mark	No	Size	Length	Spacing Weight	
C	35	7/8"	14' 0"	7 1/2' c/c	1000
E	6	1/2"	27' 2 1/2"	2' c/c	109
J	8	3/4"	6' 6"		78
F	4	1/2"	13' 8"		
G		1/2"	3' 6"		
K		1/2"	4' 0"		116



Quantities

Excavation	300 cu.yds.
Concrete 1-2-4	10.7 Cu.yds.
Concrete 1-2 1/2-5	65.8 Cu.yds.
Concrete 1-3-6	24.3 Cu.yds.
Steel	1303 lbs
Type "G" Railing	28' 6" Ft

Station 79+85
Standard Slab Top Bridge Revised for
Skew 32° 40' Right ahead
H = 9'
S = 10'