

COUNTY HIGHWAY
 BUREAU OF CONSTRUCTION
KILLBUCK - SHREVE ROAD
 ROAD NO. 311-316-318-354 SEC. "D" BY RES.
HOLMES COUNTY
RIPLEY TOWNSHIP **MARCH 1924**

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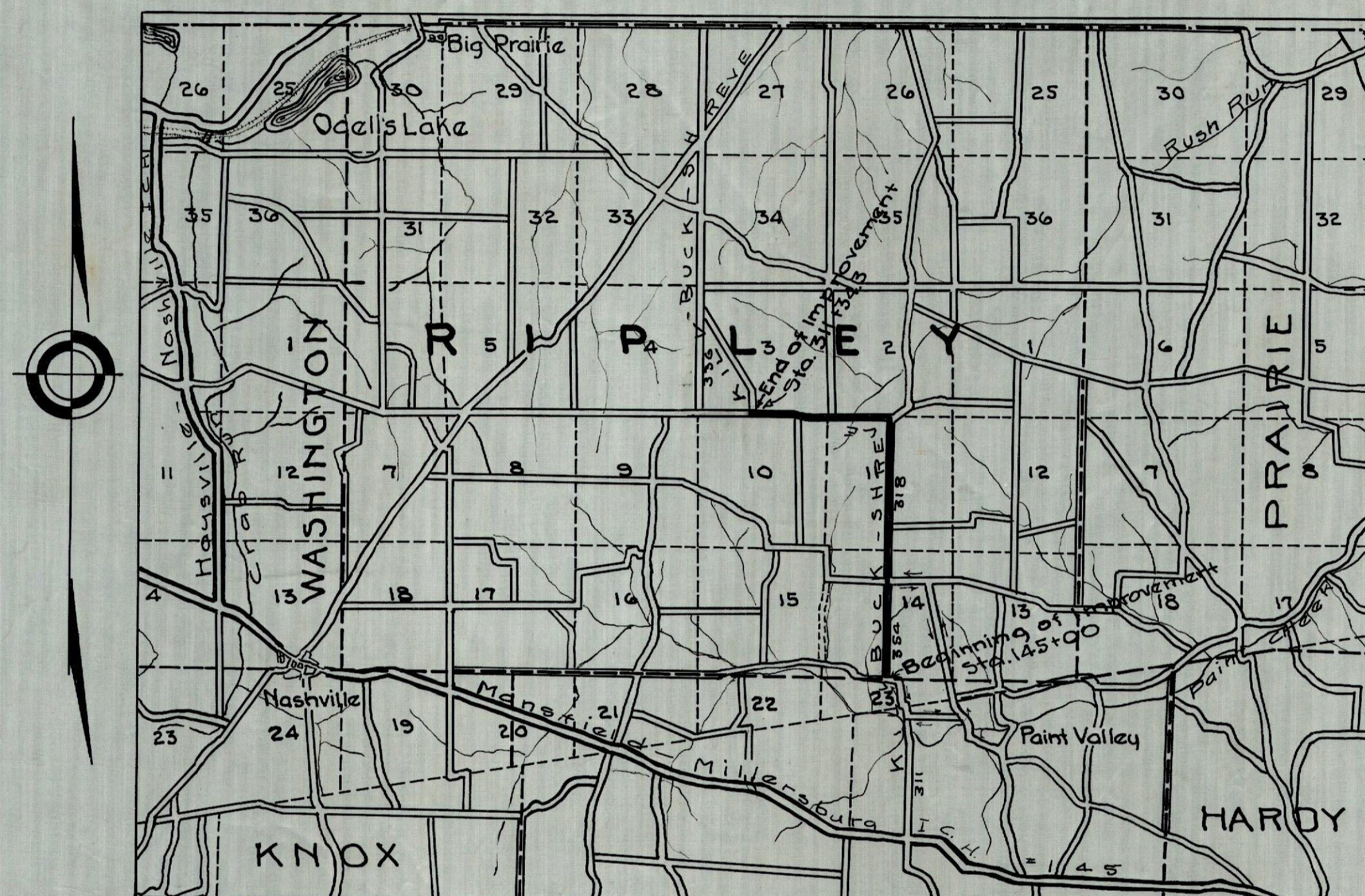
The Standard Specifications of the State of Ohio, Division of Highways, in force on date of contract will govern this improvement.

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

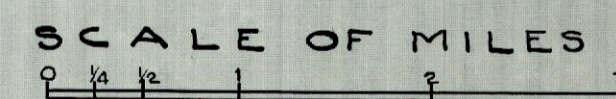
Approved: P. K. Foutman
 Date: 5-10-24 County Surveyor.

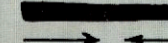
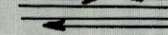
We the Commissioners of Holmes County hereby approve these plans and certify that the necessary right of way is available for the construction, maintenance and repair of highway.

Date: _____ County Commissioners.



LOCATION PLAN



PORTION TO BE IMPROVED 
 DETOURS SHOW THUS 

SCALES

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

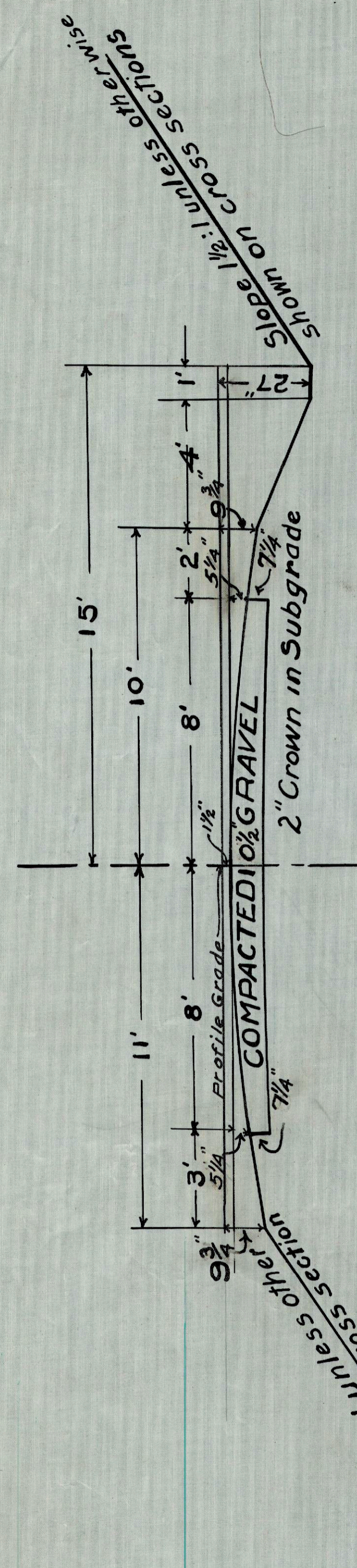
SUMMARY OF QUANTITIES

ROADWAY STA. 145+00 TO 311+343

EXCAVATION (Unclassified) -----	15679	Cu.Yds.
" DITCH -----	82	" "
PAVEMENT GRAVEL 7 1/4" Sides 10 1/2" Center Compacted -----	29899	Sq.Yds.
GUARD RAIL TYPE "E" -----	1288	Lin.Ft.
FINISHING SHOULDERS DITCHES & SLOPES (Both sides) -----	16760	" "
GRAVEL Loose for approaches -----	68	Cu.Yds.
PIPE For drives RELAID 8" V.S.P. -----	70	Lin. Ft.
" " " " " 10" CORR. -----	68	" "
" " " " " 12" " -----	46	" "
" " " " " 15" " -----	36	" "
" " " " " 18" " -----	48	" "
" " " " " LAID (New) 12" V.S.P. -----	8	" "
" " " " " 10" Corrg. -----	98	" "
" " " " " 12" " -----	52	" "
CLEARING & GRUBBING -----		
BORROW -----	42	Cu.Yds.

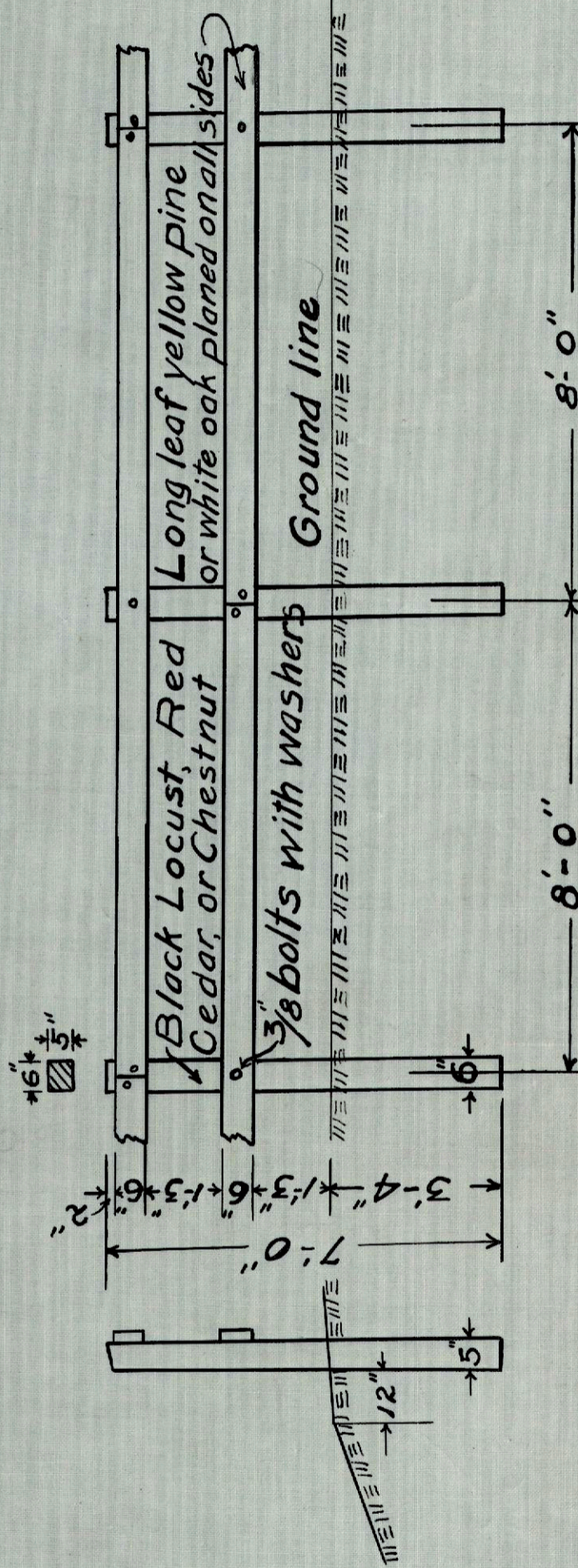
CULVERTS

EXCAVATION -----	227	Cu.Yds.
" (WET) -----	8	" "
CONCRETE 1-2-4 MIX -----	63.3	" "
STONE (FIELD) -----	5.8	" "
REINFORCING STEEL -----	2103	Lbs.
12 INCH CAST IRON PIPE (Solid) -----	148	Lin.Ft.
14 " " " " " " -----	152	" "
16 " " " " " " -----	32	" "
18 " " " " " " -----	38	" "
20 " " " " " " -----	69	" "
24 " " " " " " -----	63	" "
30 " " " " " " -----	63	" "



TYPICAL CROSS SECTION

This plan contemplates placing 13" of loose gravel at center of pavement and 9" of loose gravel at the outer edge of pavement and it is assumed that the 13" in the center will compact to 10 1/2" and the 9" will compact to 7 1/4" and will be accepted as such. The gravel shall be placed as follows: Plank 9" wide shall be staked along edge of pavement with a clearance of 16" with the top edge 5" below profile grade. Narrow planks, with blocks nailed on, or set on blocks in order to make 9" will not be permitted. Where ruts form in subgrade same shall be leveled off before placing gravel. The gravel shall then be placed between plank forms 9" at the sides and 13" deep at the centerline making 1" above profile grade and making a crown of 6" in the loose gravel. The gravel shall conform to a parabolic curve. The contractor shall provide a suitable template having this crown and shall check the gravel as spread. The berms shall be built up or dressed off as may be required, to 1/4" below the top of the 9" side forms.



TYPE "E" GUARD RAIL
STATE HIGHWAY DEPARTMENT

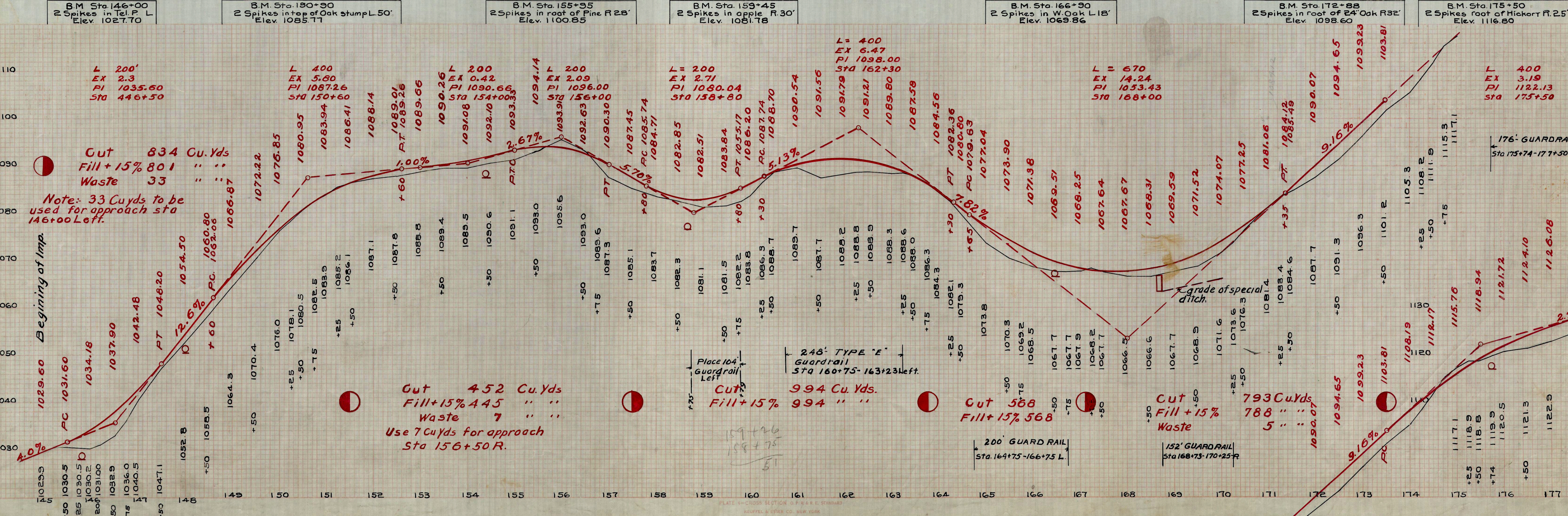
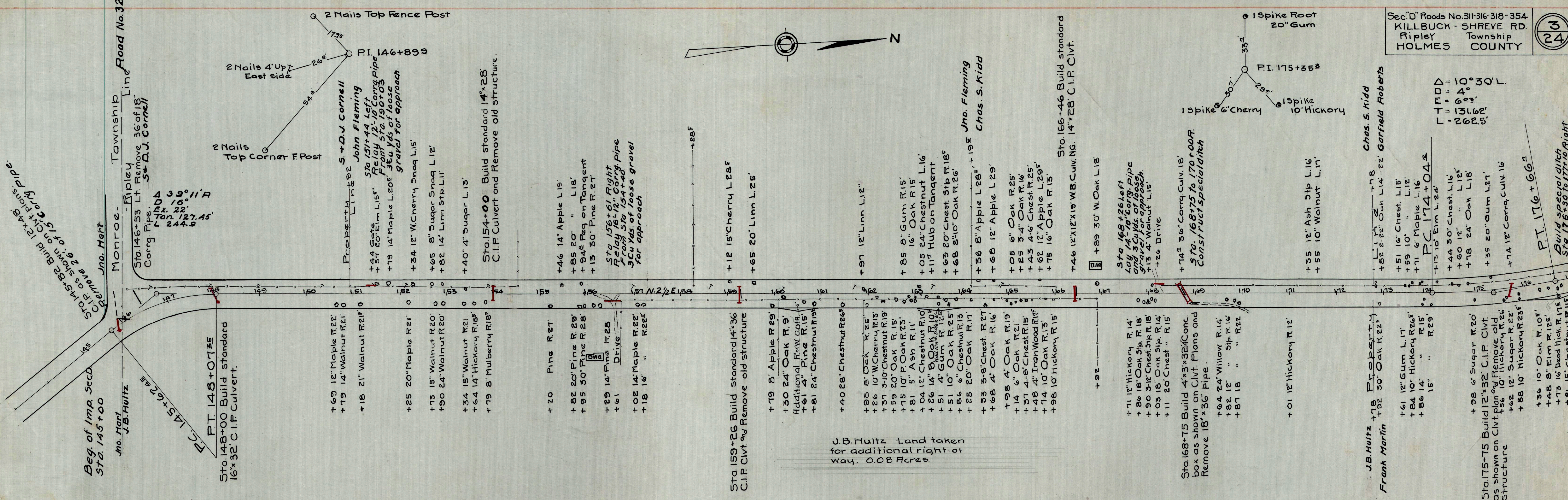
All surfaces in contact to be painted before assembling, and all exposed surfaces to have two (2) coats of white lead and linseed oil paint. Posts to be set vertical in line, parallel to grade line. Rails to be secured to posts without splitting. In order to secure proper alignment and grade, bolt holes shall be bored and the top of the post trimmed after the posts are set and the rails nailed to them. Posts shall be treated with carbolineum from a point one foot above ground to a point one foot below ground line.

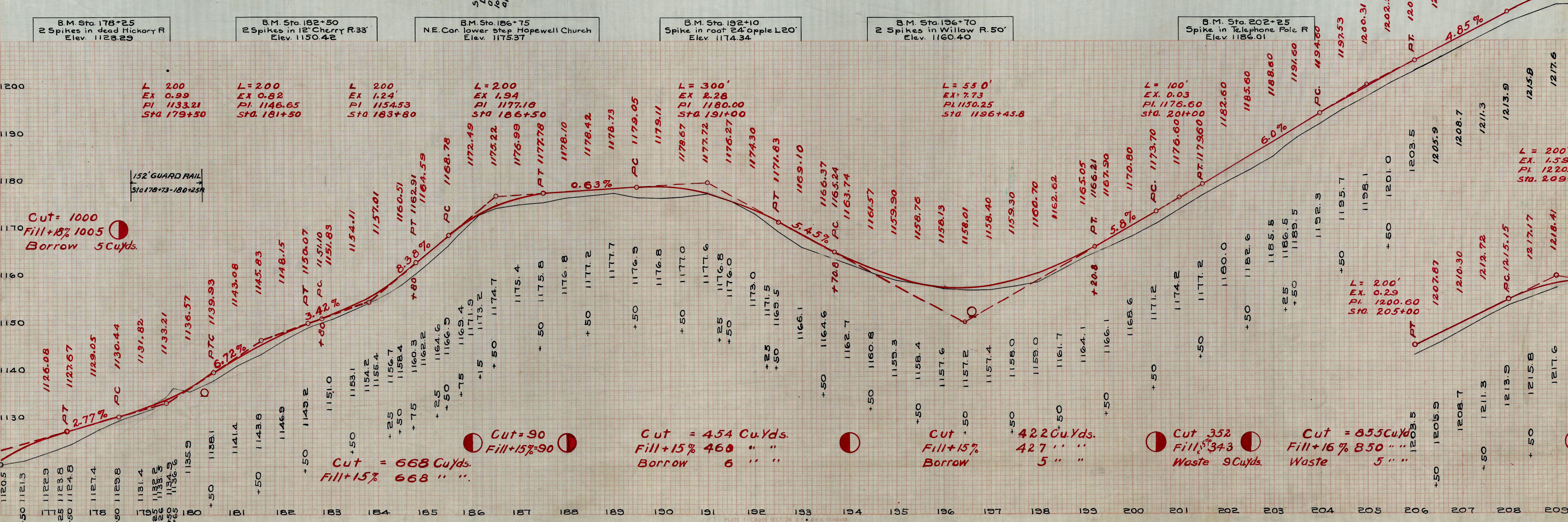
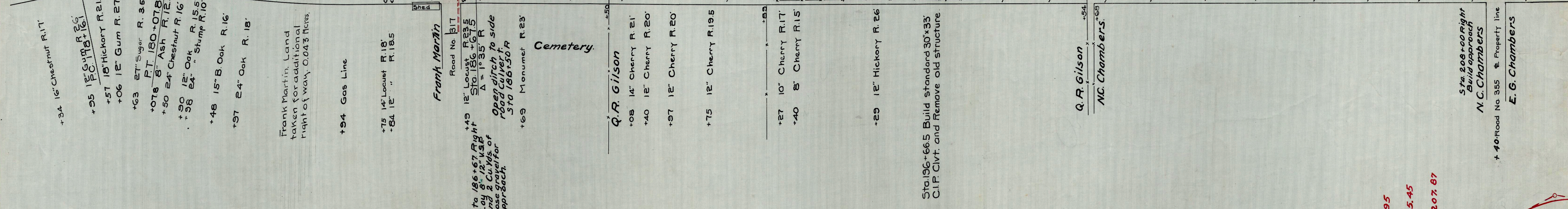
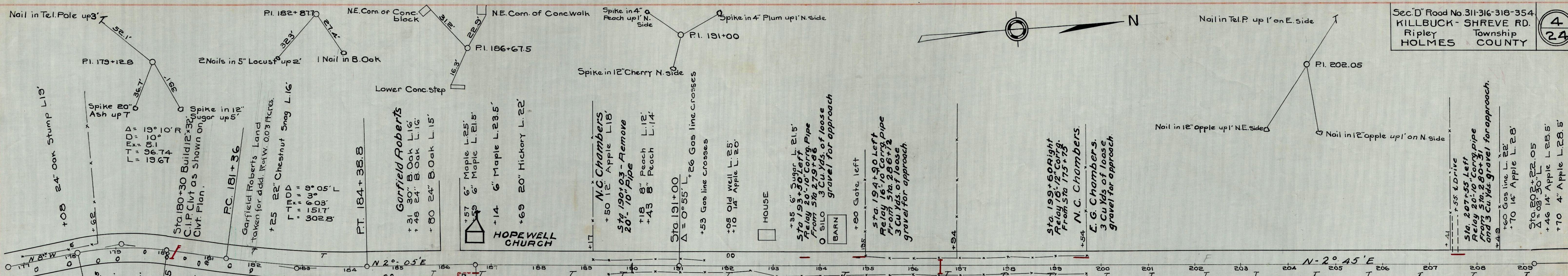
2 Wood Rails	2 6 1/6
2 Posts	3 6 7
6 Carriage bolts	3 3/4
6 Washers	3/4
76 lbs. Spikes 40d	5"

FINISH SURVEY
 UNIMPROVED
 SURVEY
 NOTE BOOK
 NO. 100
 DATE
 AREA CHECKED

Sec. D' Roads No. 311-316-318-354
 KILLBUCK - SHREVE RD.
 Ripley Township
 HOLMES COUNTY

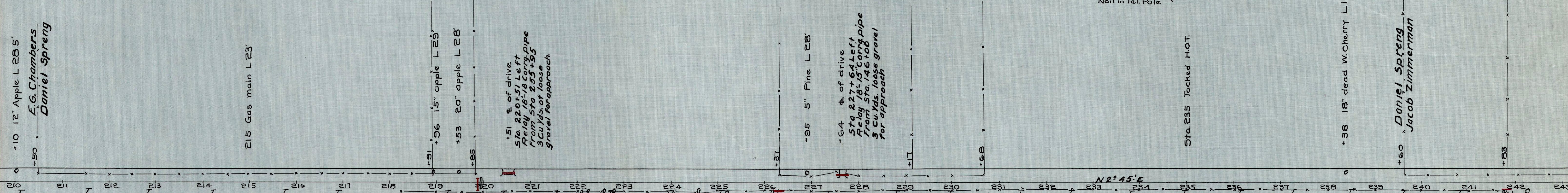
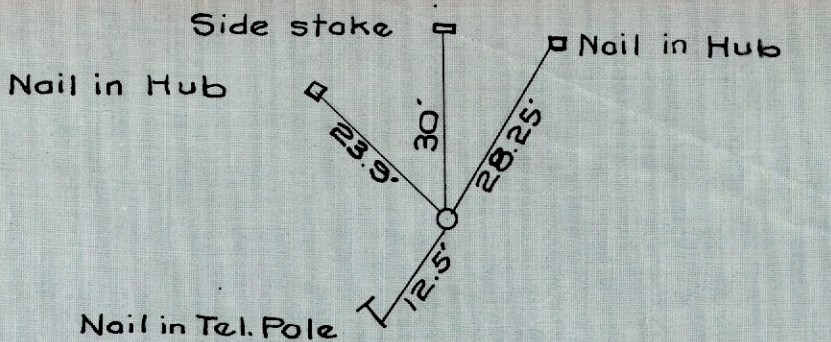
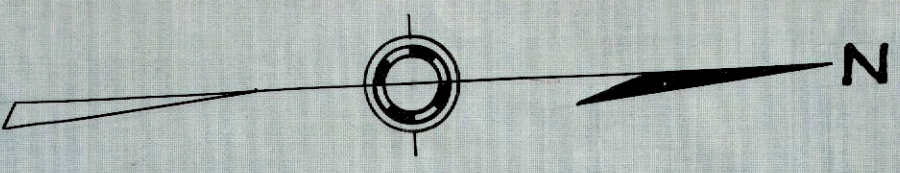
3
 24





ORIGINAL SURVEY
 SURVEY PLOTTED
 NOTE BOOK
 AREAS CHECKED

ORIGINAL SURVEY
 SURVEY PLOTTED
 NOTE BOOK
 AREAS CHECKED



B.M. Sta. 212+00
 Spike in root of 24" Gum R 50'
 Elev. 1216.41

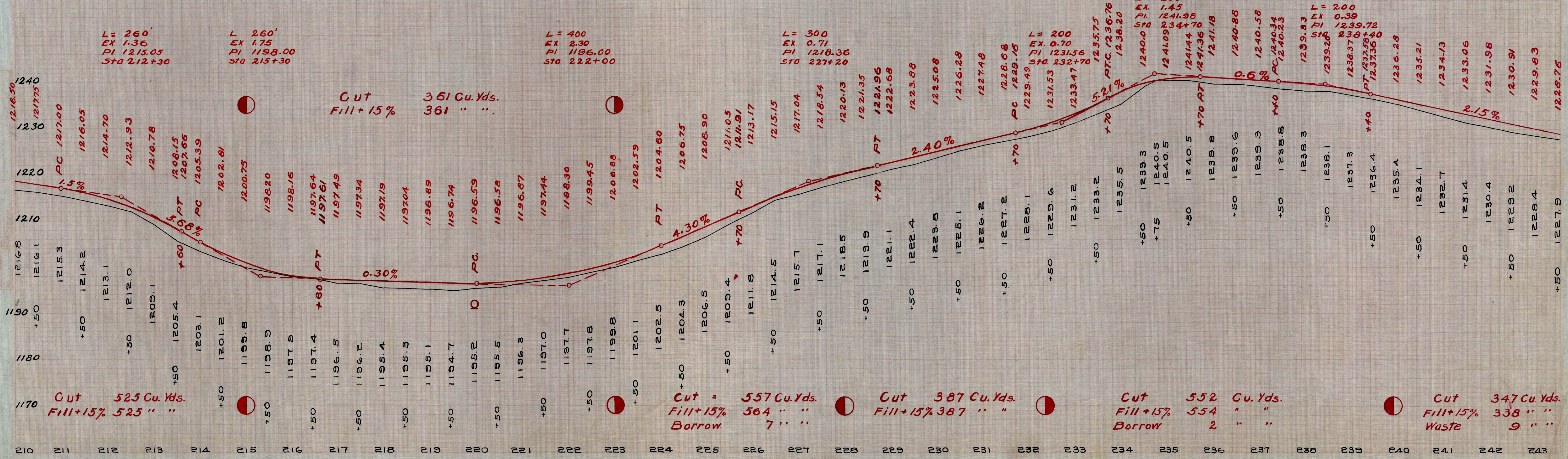
B.M. Sta. 215+50
 2 Spikes in 15" Hickory L 75'
 Elev. 1198.98

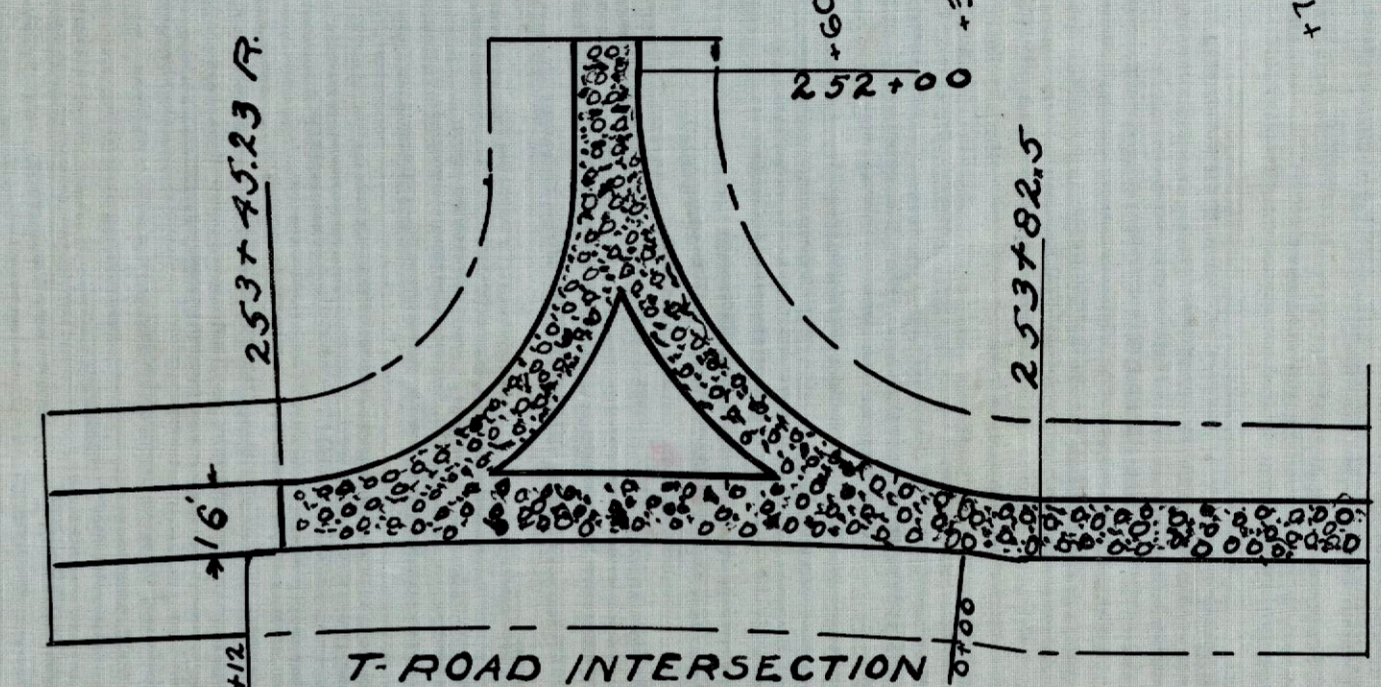
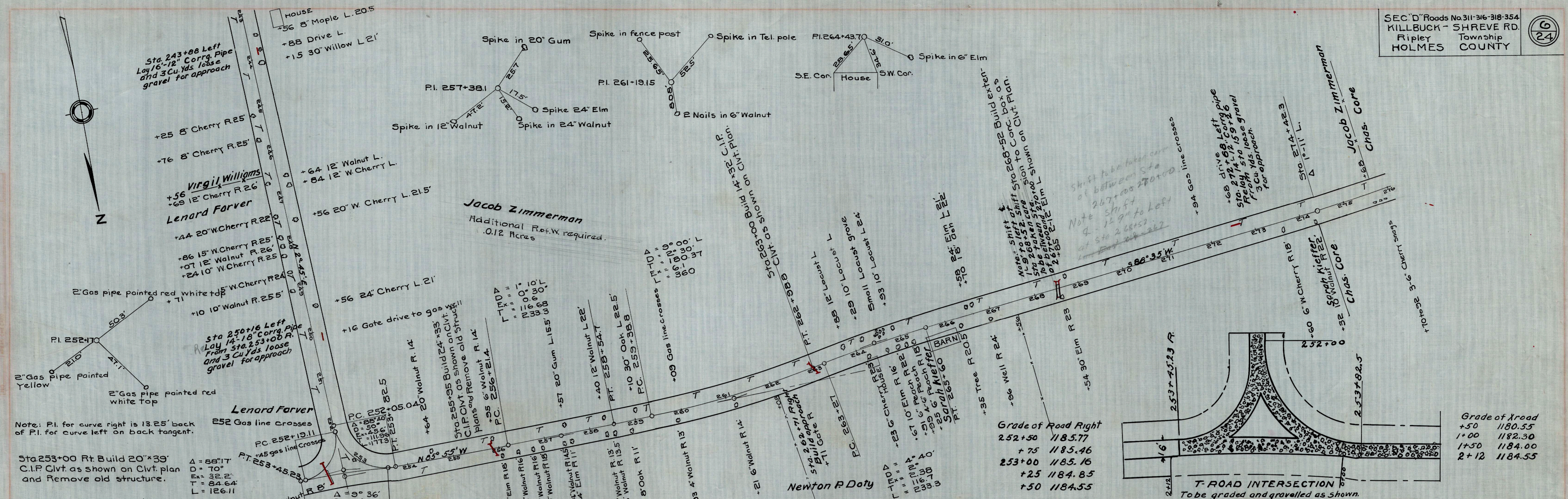
B.M. Sta. 219+50
 2 Spikes in 20" apple L 28'
 Elev. 1195.63

B.M. Sta. 227+90
 2 Spikes in 5" Plum L 30'
 Elev. 1222.80

B.M. Sta. 232+50
 2 Spikes in 24" Gum R 50'
 Elev. 1233.43

B.M. Sta. 238+45
 2 Spikes in root of dead W. Cherry L
 Elev. 1240.01





Grade of Road Right

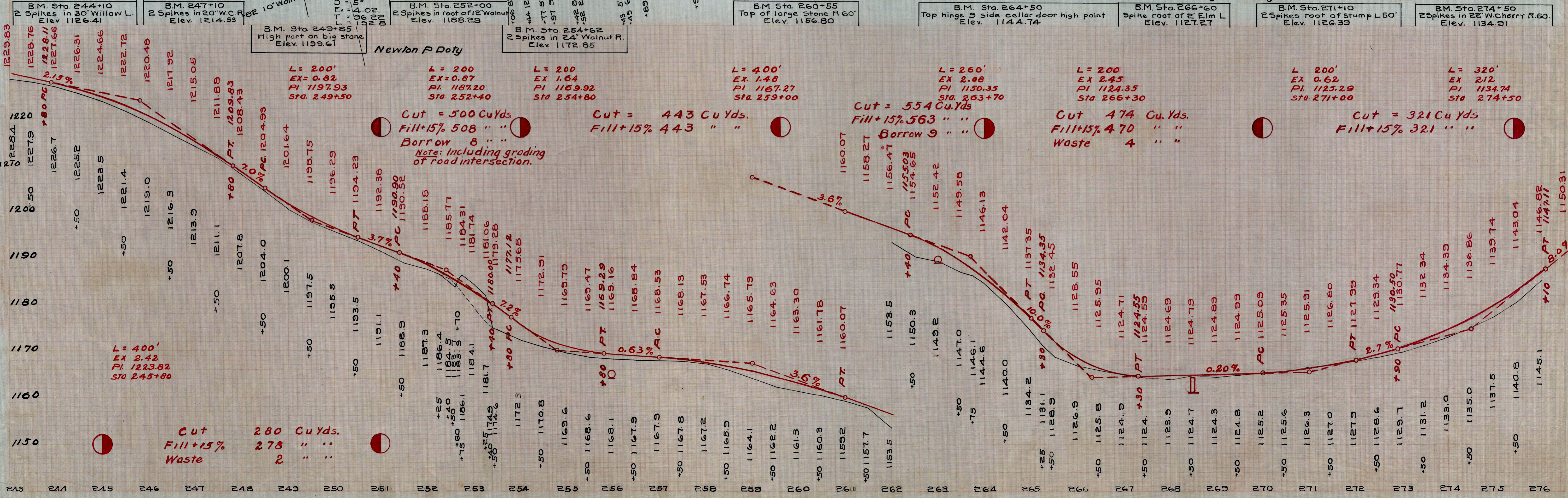
252+50	1185.77
+75	1185.46
253+00	1185.16
+25	1184.85
+50	1184.55

Grade of Xroad

+50	1180.55
1+00	1182.30
1+50	1184.00
2+12	1184.55

Grade of Road Right

252+50	1185.77
+75	1185.46
253+00	1185.16
+25	1184.85
+50	1184.55



B.M. Sta. 244+10
 2 Spikes in 30" Willow L.
 Elev. 1126.41

B.M. Sta. 247+10
 2 Spikes in 20" W.C.R.
 Elev. 1214.53

B.M. Sta. 249+85
 High part on big stone
 Elev. 1199.61

B.M. Sta. 252+00
 2 Spikes in root of 12" Walnut
 Elev. 1188.29

B.M. Sta. 254+62
 2 Spikes in 24" Walnut R.
 Elev. 1172.85

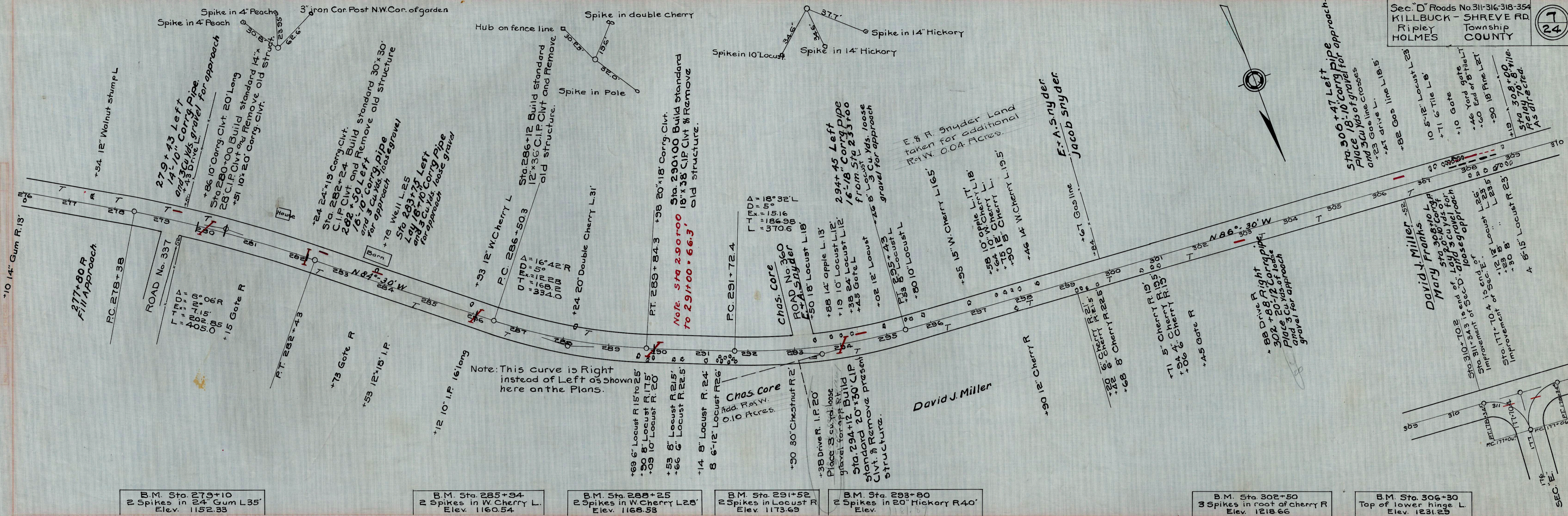
B.M. Sta. 260+55
 Top hinge of side cellar door high point
 Elev. 1156.80

B.M. Sta. 264+50
 Top hinge of side cellar door high point
 Elev. 1144.74

B.M. Sta. 266+60
 Spike root of 2" Elm L
 Elev. 1127.27

B.M. Sta. 271+10
 2 Spikes in root of stump L50'
 Elev. 1126.39

B.M. Sta. 274+50
 2 Spikes in 22" W.Cherry R.60
 Elev. 1134.91



B.M. Sta. 279+10
 2 Spikes in 24" Gum L35"
 Elev. 1152.33

B.M. Sta. 285+94
 2 Spikes in W. Cherry L.
 Elev. 1160.54

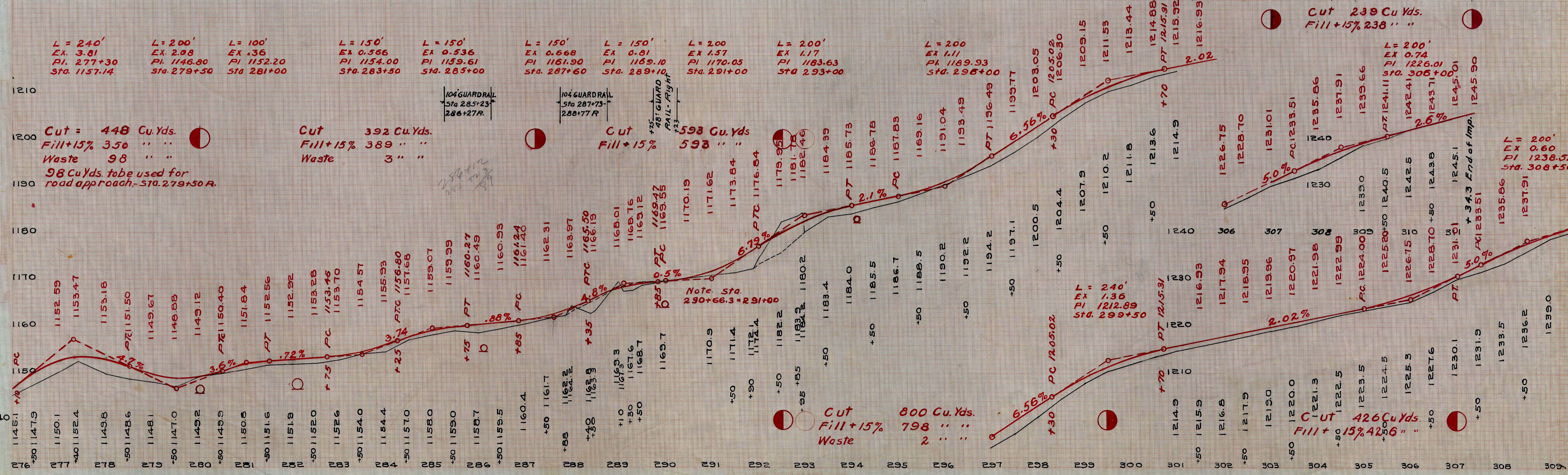
B.M. Sta. 288+25
 2 Spikes in W. Cherry L28"
 Elev. 1168.53

B.M. Sta. 291+52
 2 Spikes in Locust R
 Elev. 1173.69

B.M. Sta. 293+80
 2 Spikes in 20" Hickory R40"
 Elev.

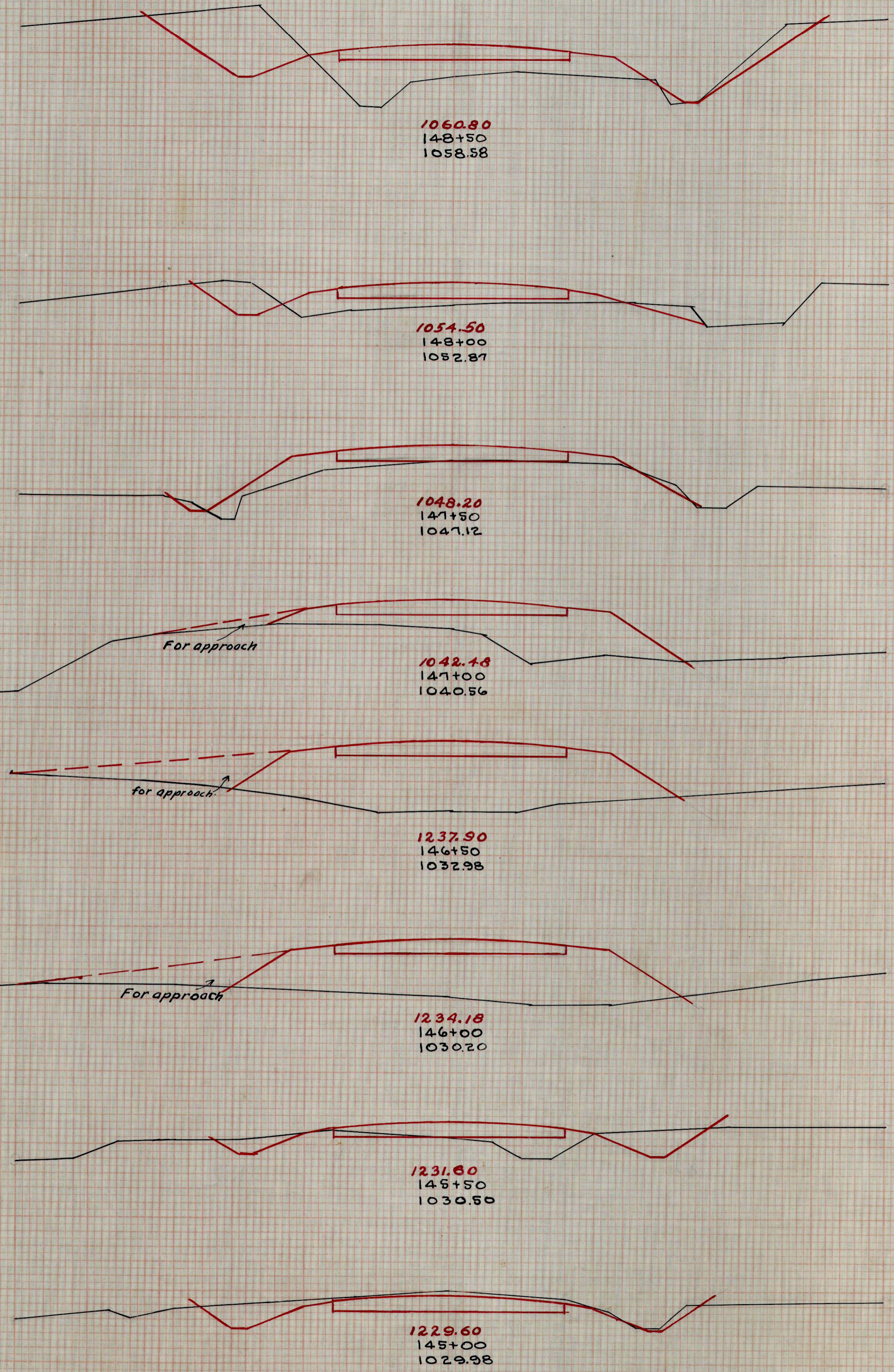
B.M. Sta. 302+50
 3 Spikes in root of cherry R
 Elev. 1218.66

B.M. Sta. 306+30
 Top of lower hinge L
 Elev. 1231.25

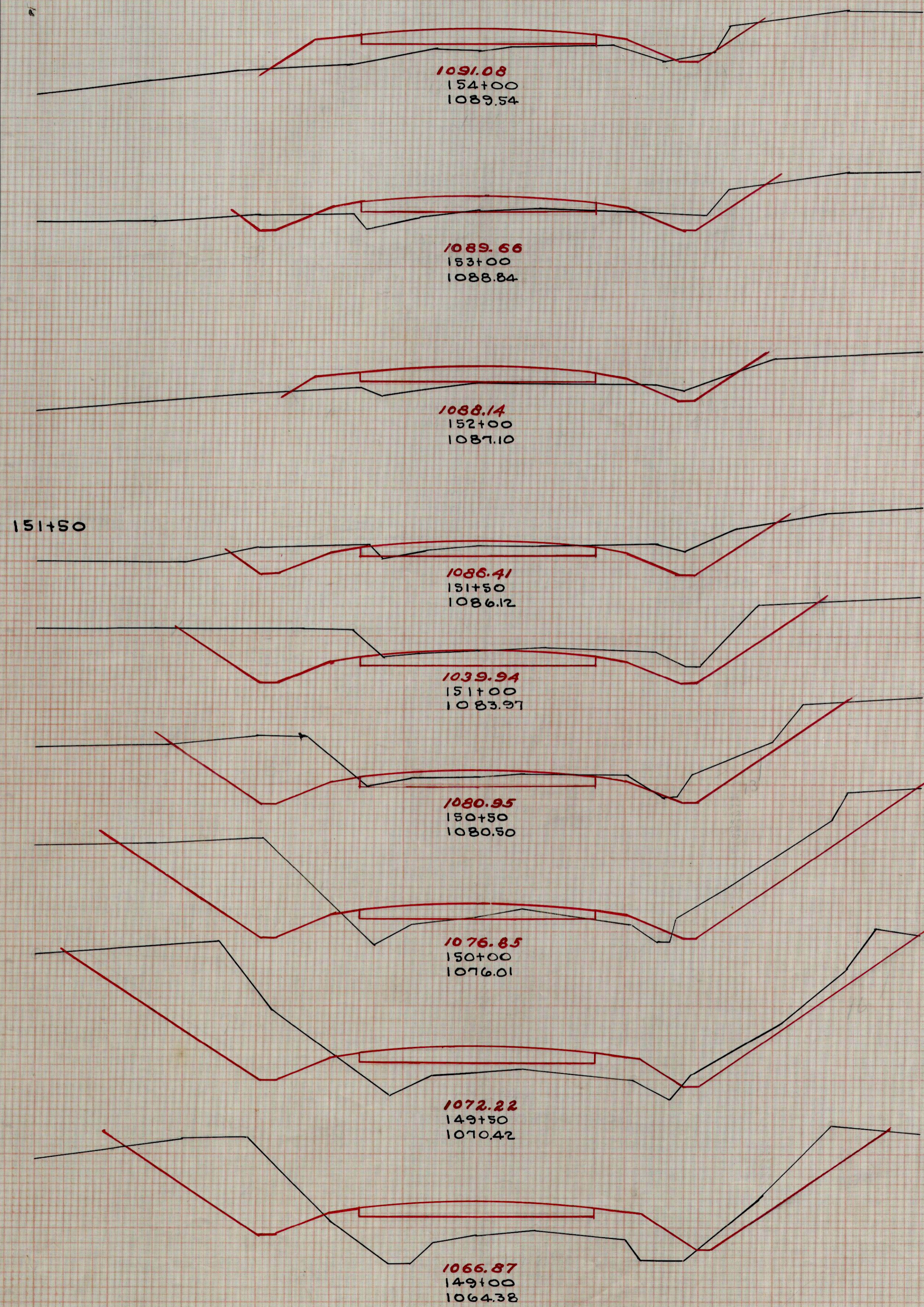


End Area	Cu. Yds.	
	Cut	Fill
37 35		
45 45		
12 16		
13 32		
2 19		
2 59		
0 45		
0 132		
0 98		
0 167		
0 83		
12 84		
13 8		
38 7		
28 0		

Fill Cut 8.34 Cu Yds.
 15% 801 " 1.1%



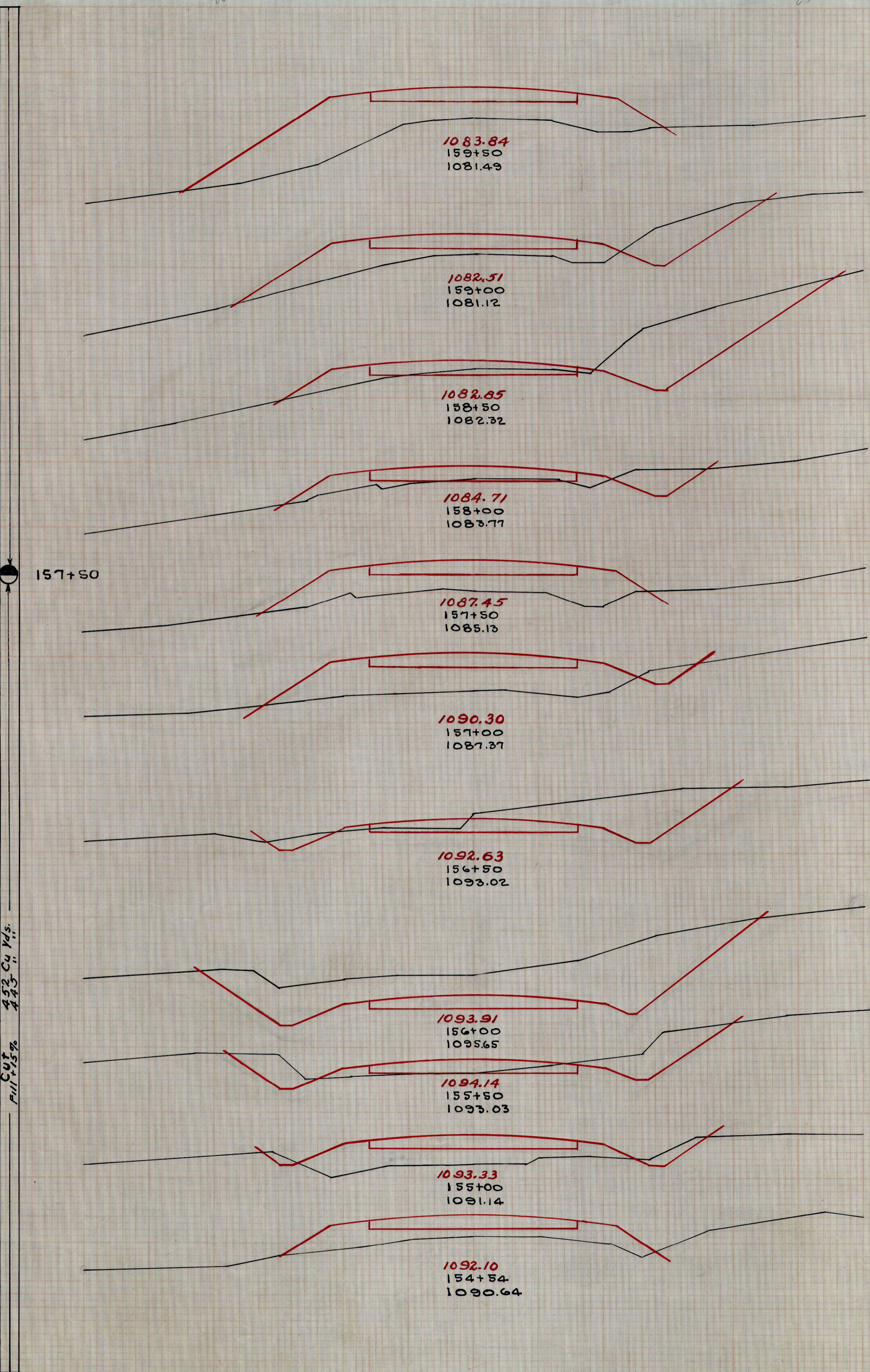
End Area	Cu. Yds.	
	Cut	Fill
2 21		
22 94		
10 8		
26 37		
4 12		
32 11		
30 0		
86 0		
63 0		
110 0		
56 0		
129 9		
83 10		
161 32		
91 25		
144 61		
65 41		
34 69		



ORIGINAL SURVEY
 BY: _____
 DATE: _____
 CHECKED: _____
 DATE: _____
 NO. _____

ORIGINAL SURVEY
 BY: _____
 DATE: _____
 CHECKED: _____
 DATE: _____
 NO. _____

End Area	Cu. Yds.	Cut	Fill
0 80			
16 105			
17 33			
22 82			
7 54			
16 60			
10 11			
9 57			
0 50			
3 97			
3 55			
46 51			
47 0			
154 0			
120 0			
135 3			
26 3			
28 31			
4 30			
4 56			
0 30			
2 47			

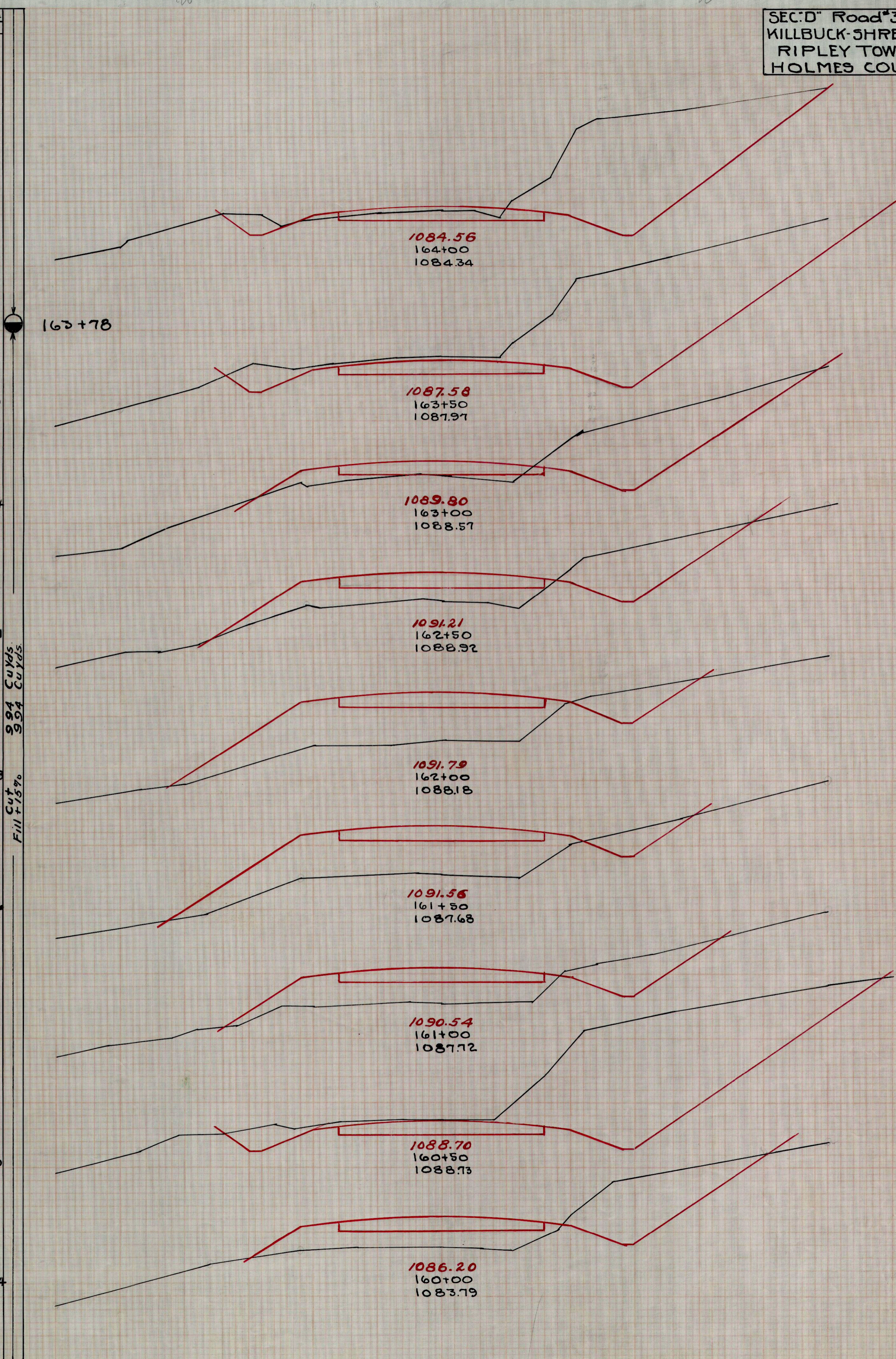


ORIGINAL SURVEY
 DATE: _____
 BY: _____
 CHECKED: _____
 DATE: _____
 NO. _____

ORIGINAL SURVEY
 DATE: _____
 BY: _____
 CHECKED: _____
 DATE: _____
 NO. _____

452 Cu Yds.
 443 " "
 CUT
 FILL + 15%

End Area	Cu. Yds.	Cut	Fill
139 0			
245 0			
180 0			
69 12			
93 44			
35 35			
44 101			
13 74			
21 138			
10 75			
28 104			
20 40			
185 37			
180 0			
208 30			
45 32			
42 104			



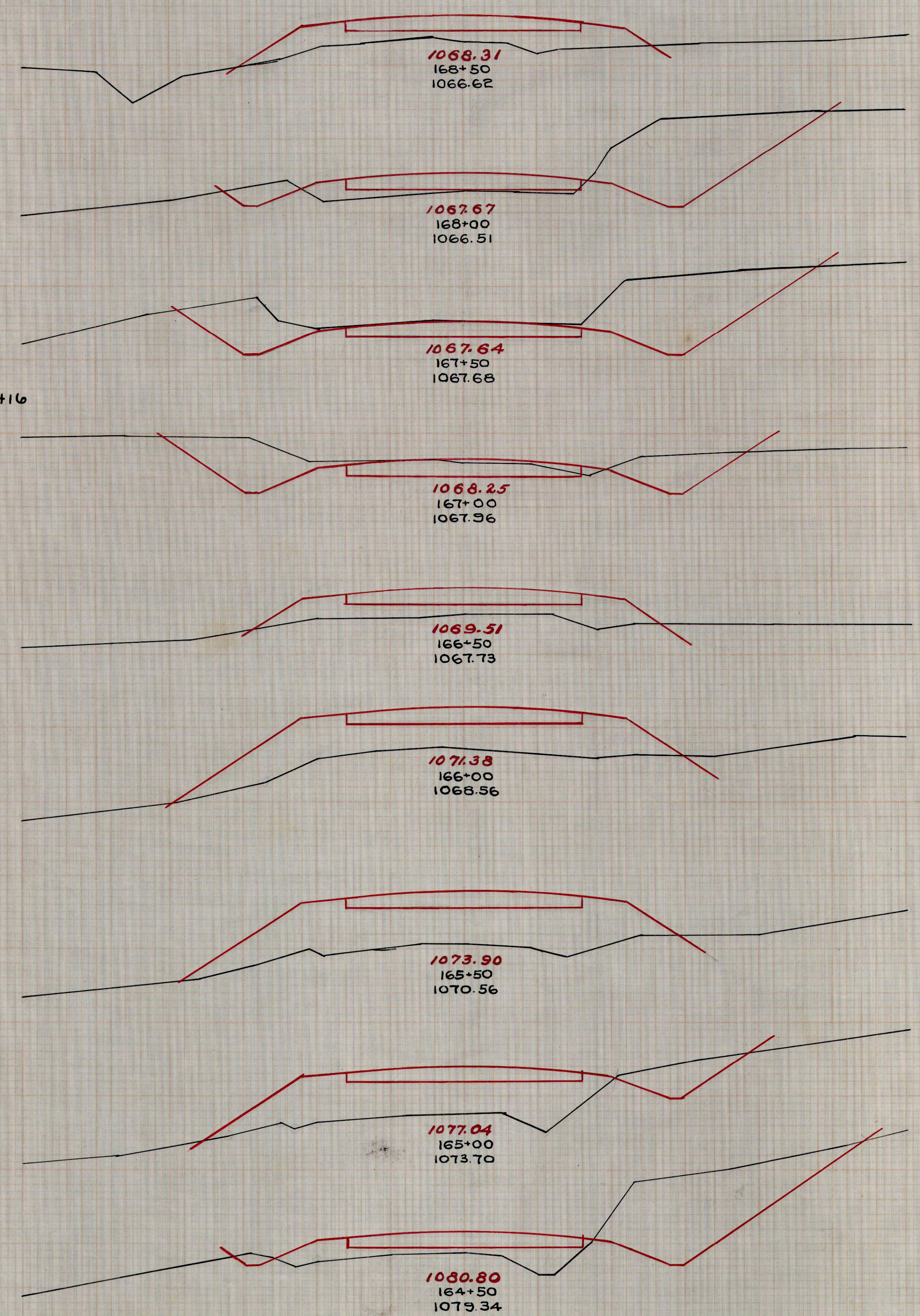
994 Cu Yds.
 994 Cu Yds.
 CUT
 FILL + 15%

SEC'D Road #316-318-35A
 KILLBUCK-SHREVE RD.
 RIPLEY TOWNSHIP
 HOLMES COUNTY

9
 24

End Area Cu Yds.
Cut Fill Cut Fill

0 30
57 37
62 10
132 9
80 0
121 0
51 0
47 28
0 30
0 93
0 70
0 144
0 85
12 137
13 63
71 75
64 18
188 17



CUT 568 Cu Yds
Fill 1459

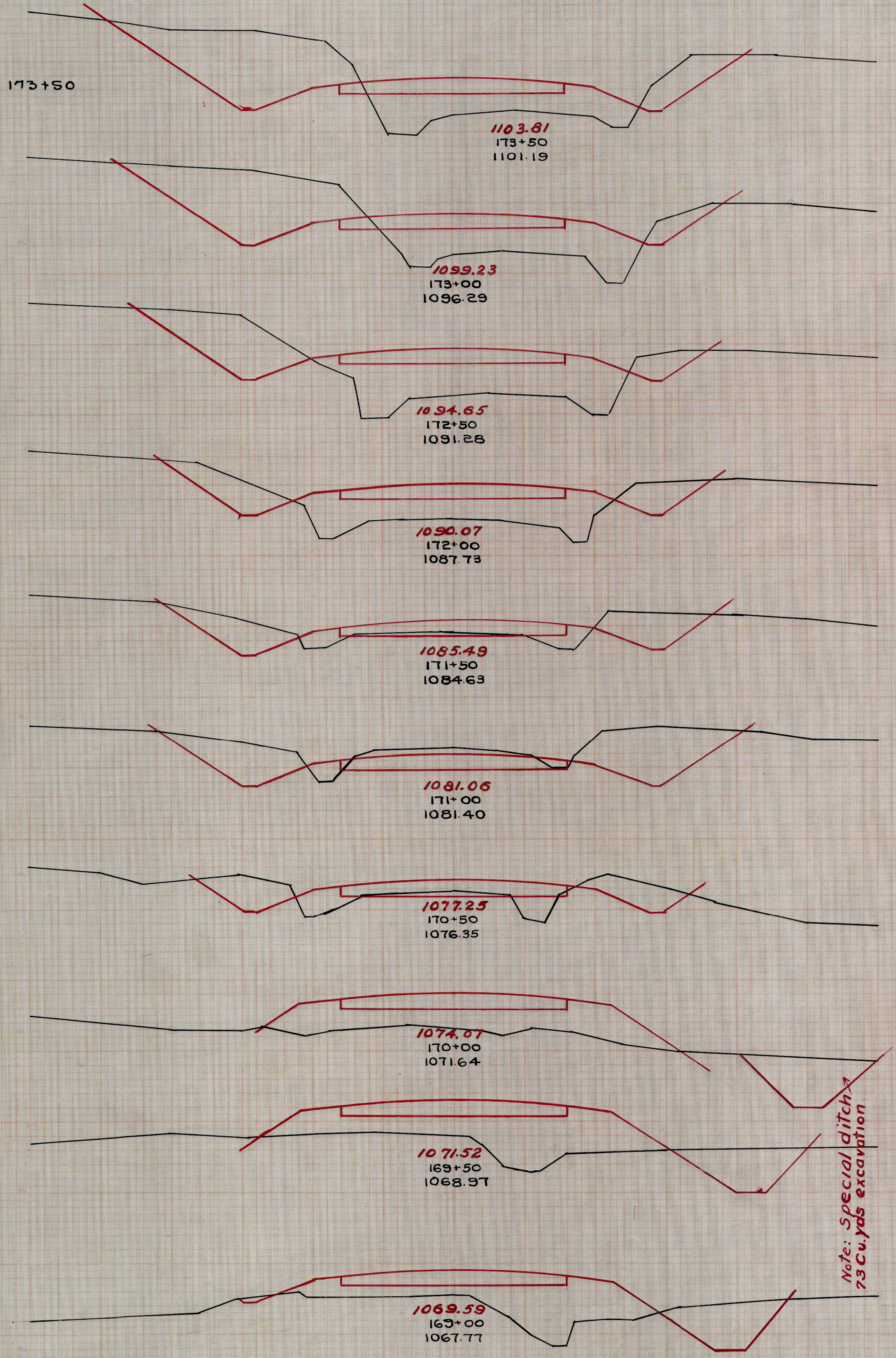
Sec. D Road 316-318-354
KILLBUCK-SHREVE RD.
RIPLEY TOWNSHIP
HOLMES COUNTY

10
24

End Area Cu Yds.
Cut Fill Cut Fill

71 35
125 72
64 43
93 92
37 57
56 93
24 44
52 46
34 6
94 7
68 2
82 12
21 11
19 52
0 45
0 93
0 56
0 98
0 50
0 74

CUT 793 Cu Yds
Fill 1557

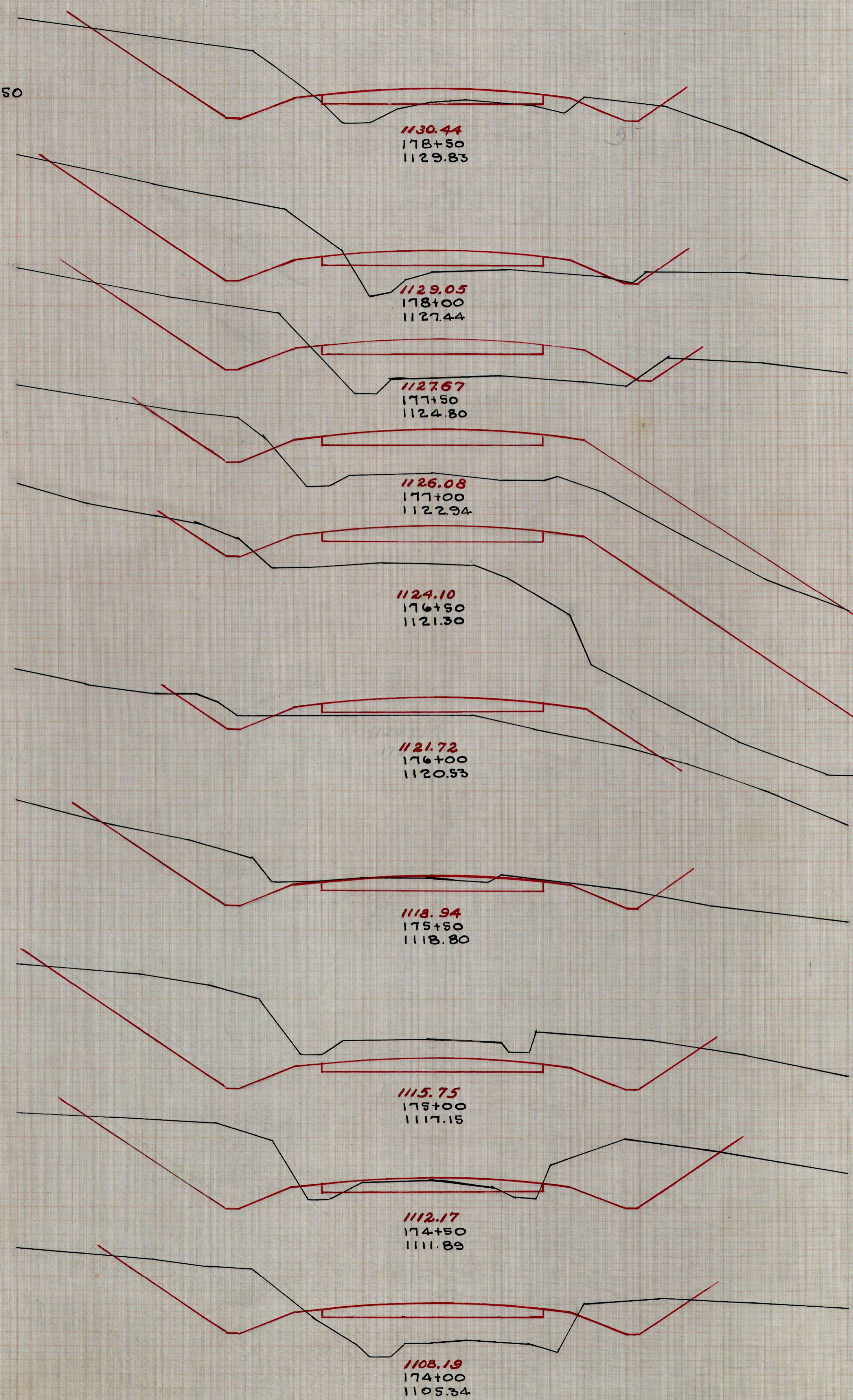


Note: Special ditch
73 Cu. Yds excavation

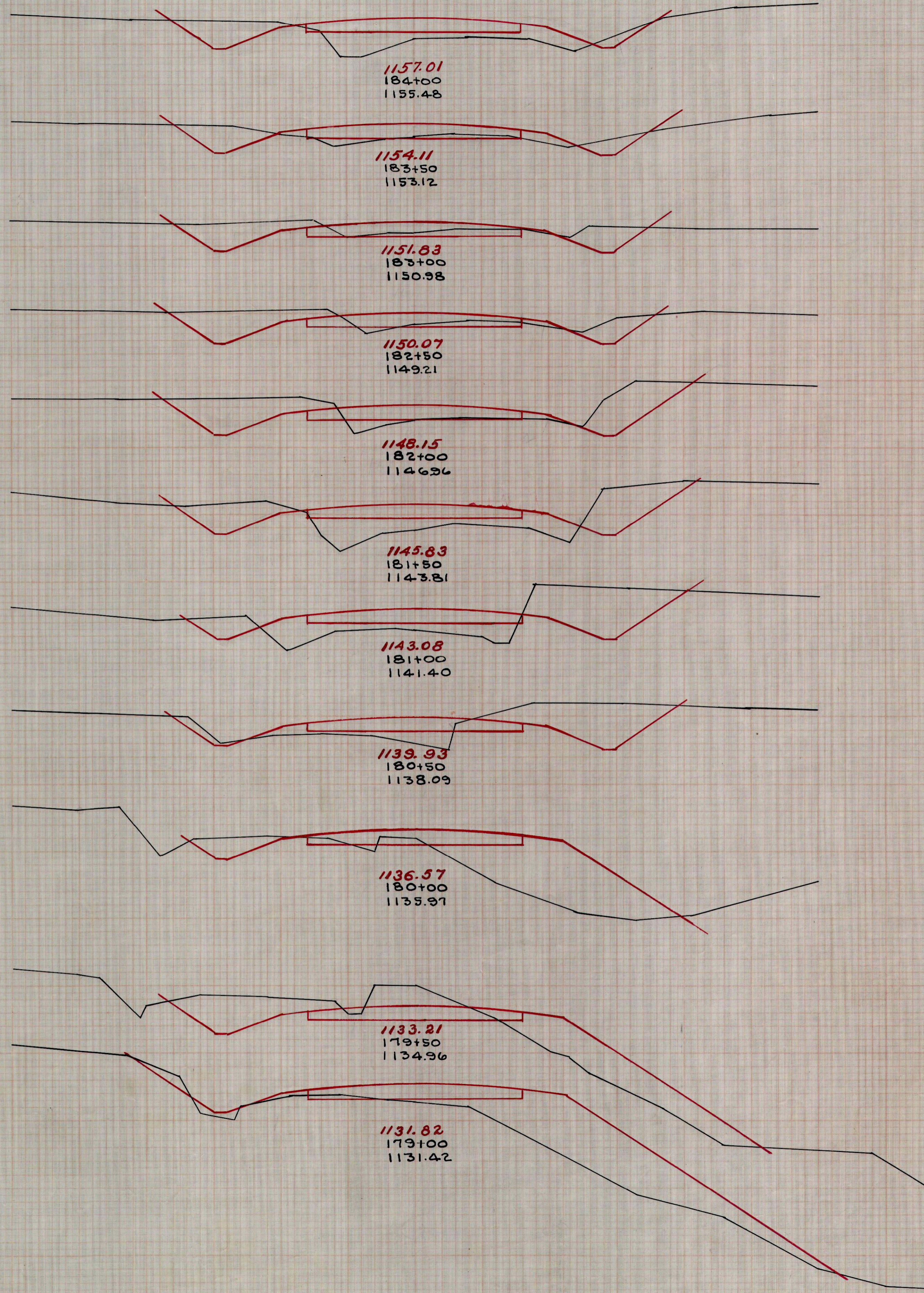
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NOTE BOOK NO. 1000000000

ORIGINAL SURVEY PLOTTED
NOTE BOOK NO. 1000000000

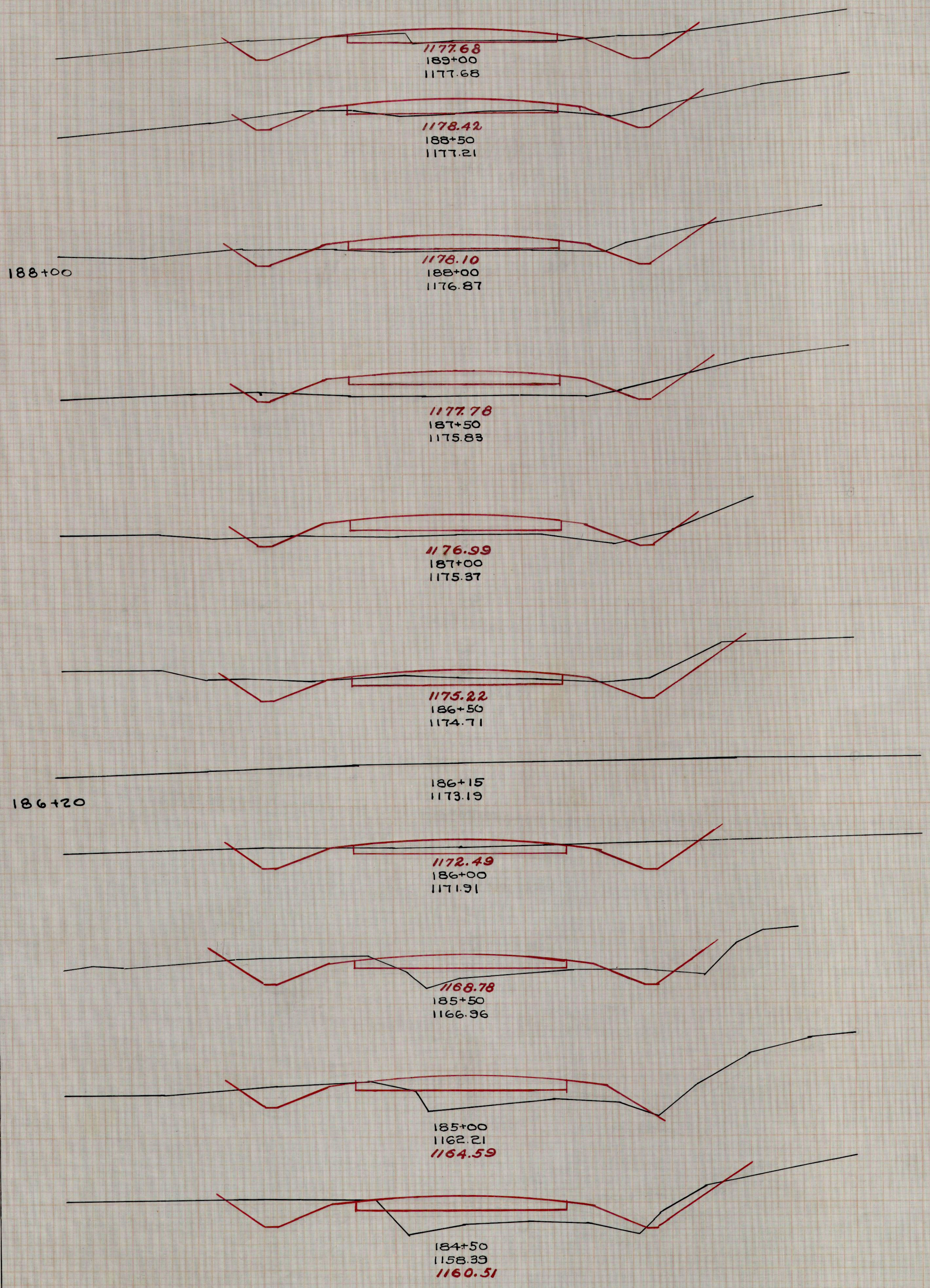
End Area	Cu. Yds.	Cu. Yds.
Cut	Fill	Fill
469	110	27
73	20	
42	45	
19	90	
5	215	
11	228	
7	20	
51	19	
48	0	
172	0	
138	0	
228	4	
97	4	
134	39	
48	38	
110	68	



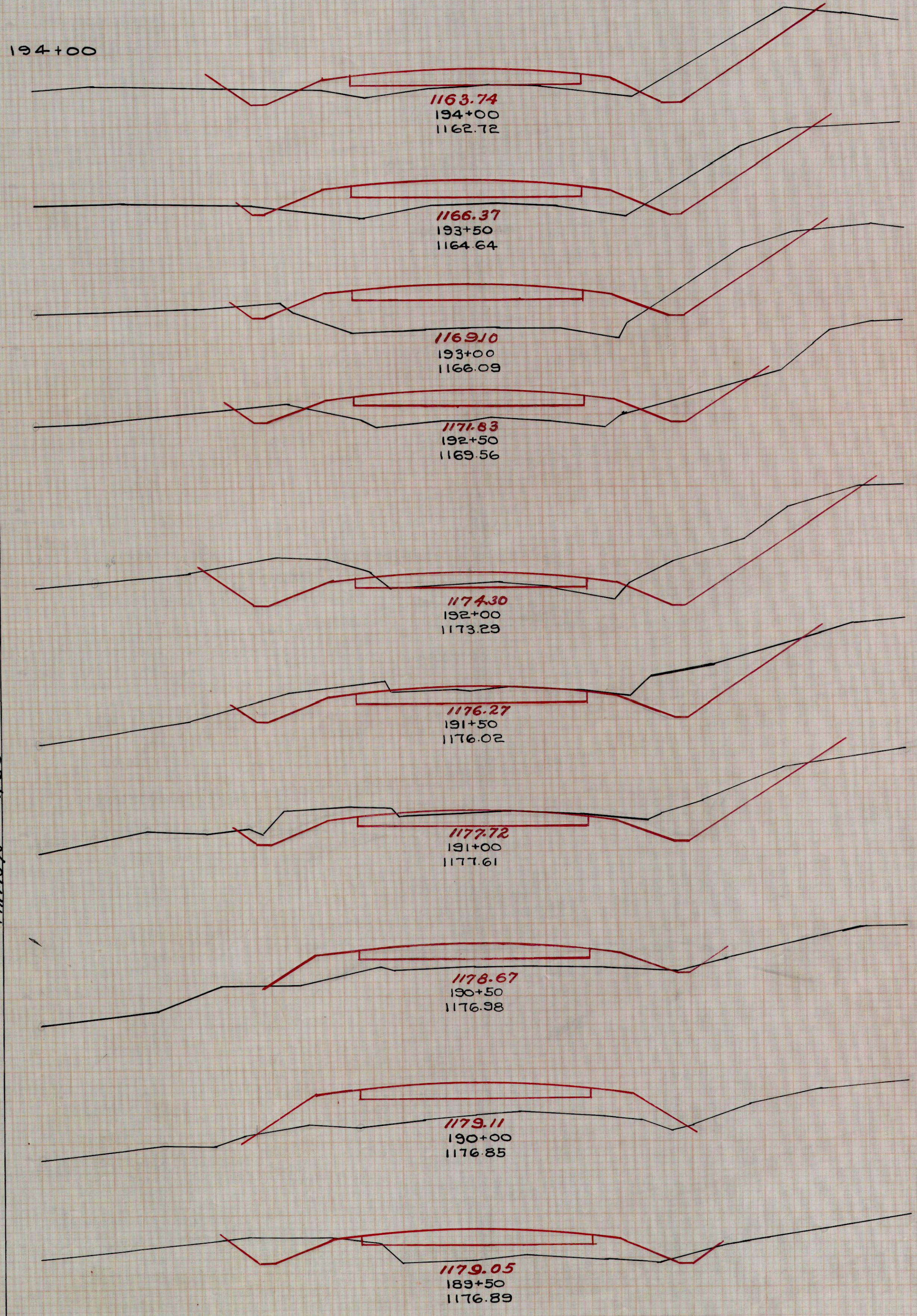
End Area	Cu. Yds.	Cu. Yds.
Cut	Fill	Fill
15	20	
30	24	
17	6	
37	6	
23	0	
48	2	
29	2	
60	7	
36	6	
59	27	
28	23	
58	40	
35	20	
64	28	
34	10	
41	61	
10	56	
46	89	
40	40	
40	107	
3	76	
45	79	



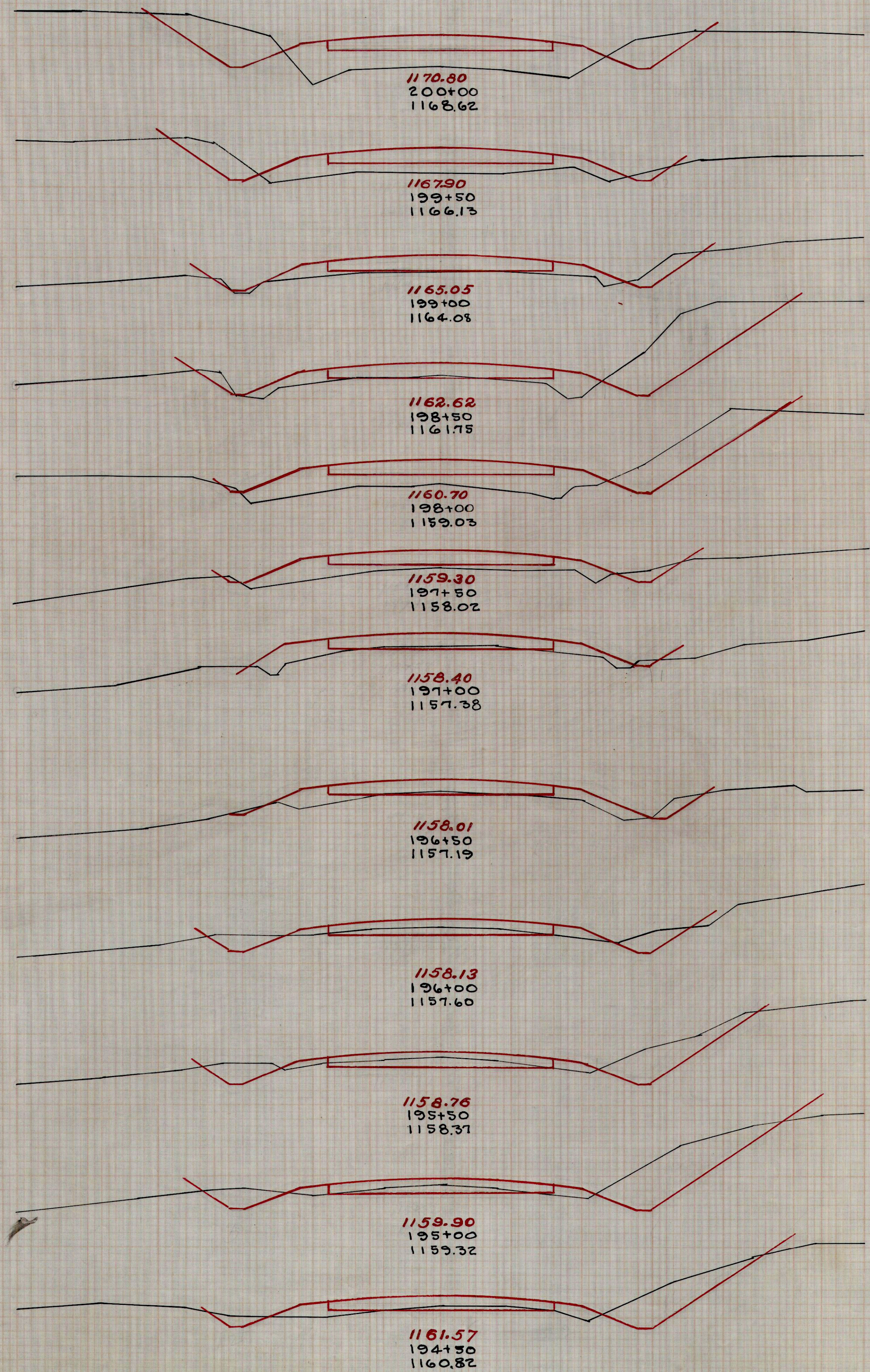
End Area	Cu Yds	End Area	Cu Yds
Cut	Fill	Cut	Fill
16 1	24 6		
10 5	22 10		
14 6	19 27		
6 23	9 36		
4 16	30 15		
28 0	52 0		
28 0	41 9		
16 10	23 28		
9 20	25 37		
18 20	31 37		



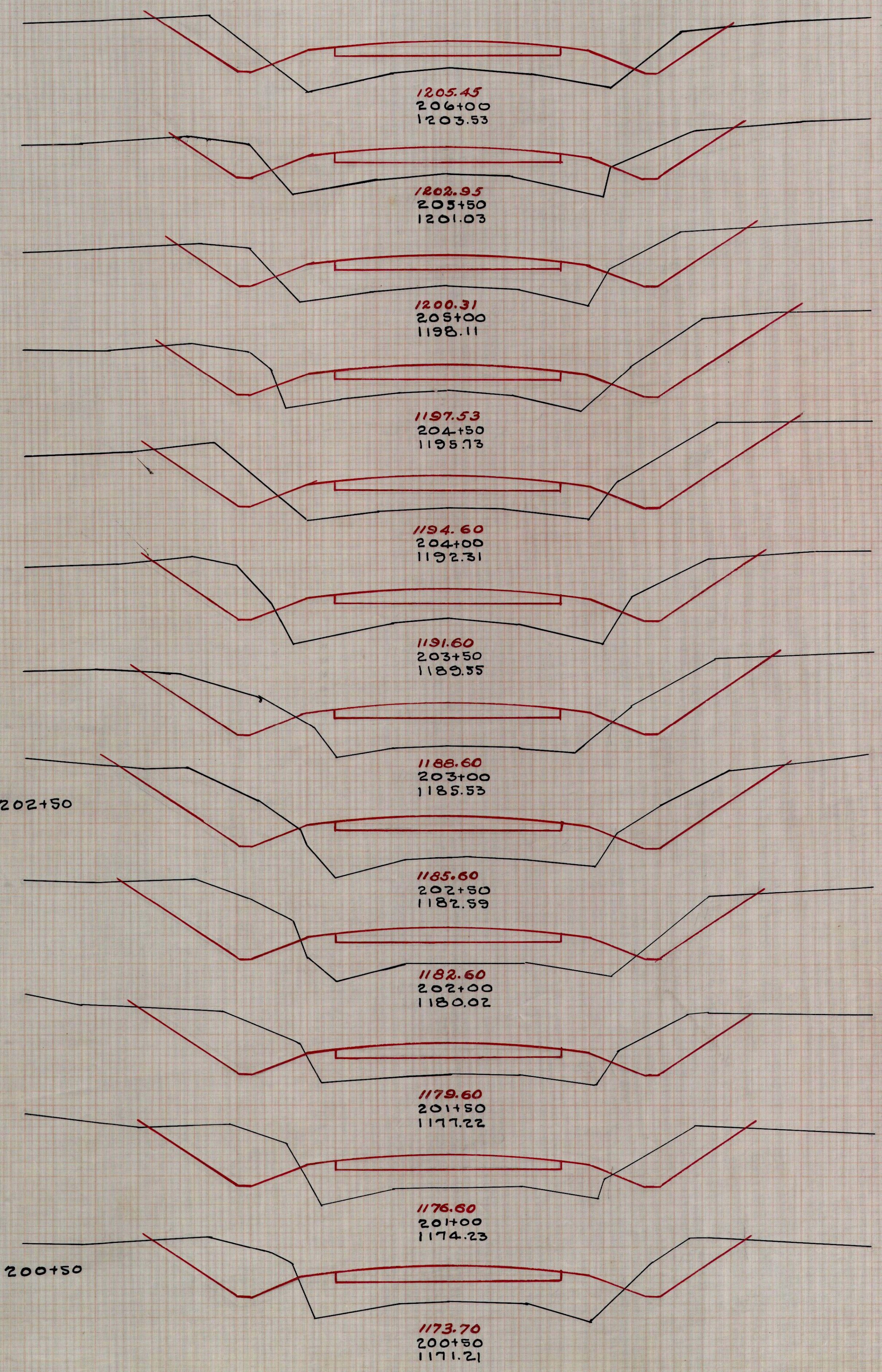
End Area	Cu Yds	End Area	Cu Yds
Cut	Fill	Cut	Fill
24 12	40 36		
19 27	35 73		
19 52	29 76		
12 30	62 31		
55 3	93 3		
45 0	80 0		
41 0	39 23		
1 25	1 62		
0 42	7 59		
8 22	22 21		



End Area	Cu. Yds.	End Area	Cu. Yds.
Cut	Fill	Cut	Fill
27 38			
	34 56		
10 22			
	13 30		
4 10			
	35 21		
34 13			
	50 40		
21 30			
	22 44		
3 17			
	4 28		
1 13			
	3 23		
2 12			
	16 14		
15 3			
	39 7		
27 4			
	55 7		
32 3			
	48 8		
20 6			
	41 17		



End Area	Cu. Yds.	End Area	Cu. Yds.
Cut	Fill	Cut	Fill
23 42			
	45 74		
26 38			
	49 72		
27 40			
	62 69		
40 34			
	82 65		
49 36			
	77 74		
34 44			
	69 86		
41 49			
	87 96		
53 55			
	93 93		
47 45			
	88 72		
48 33			
	89 61		
48 33			
	82 72		
40 45			
	62 77		

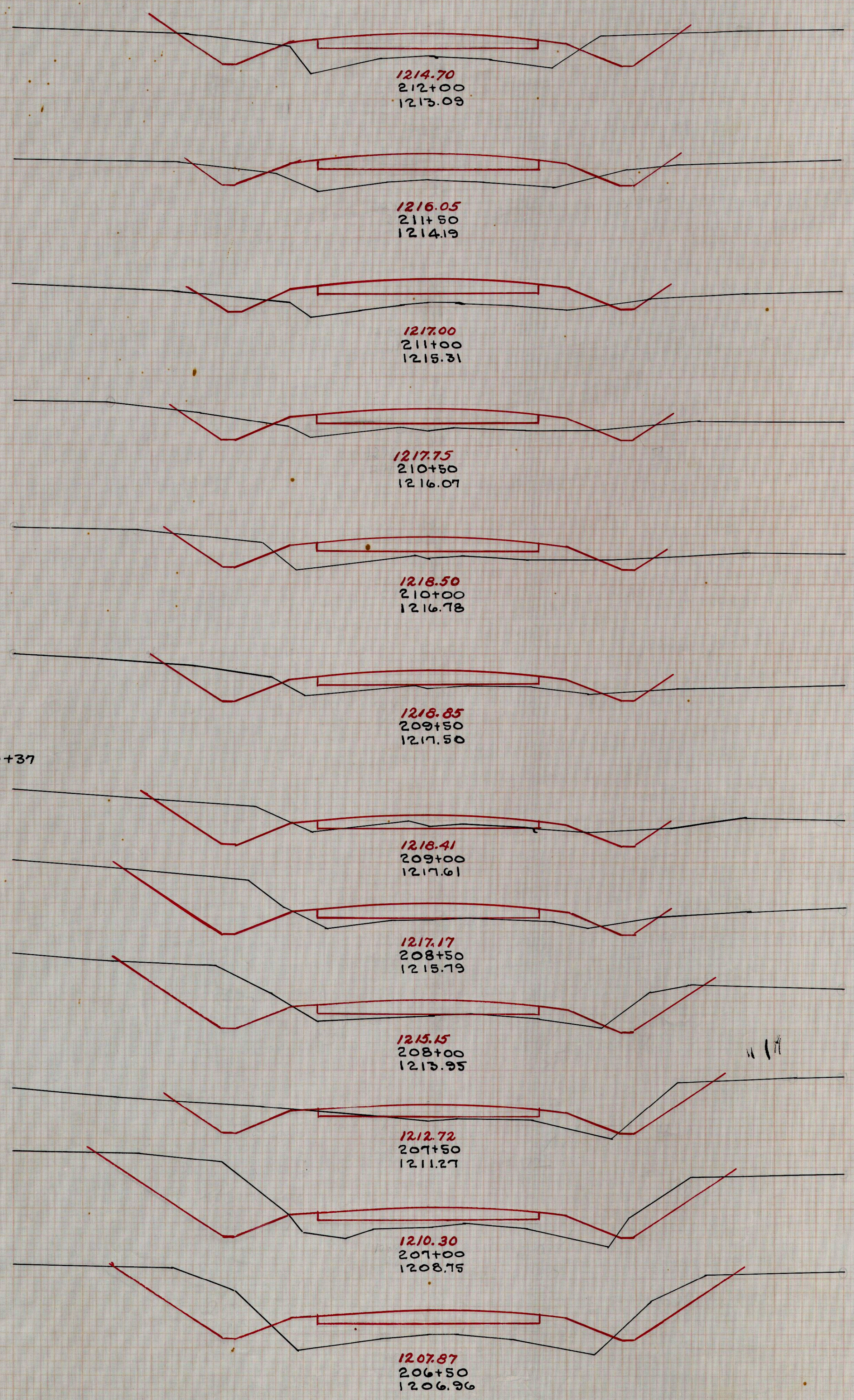


End Area	Cu. Yds.	End Area	Cu. Yds.
Cut	Fill	Cut	Fill
20 23			
	25 56		
7 27			
	11 48		
5 25			
	14 39		
10 17			
	20 32		
12 17			
	23 24		
13 9			
	35 10		
25 2			
	53 11		
32 10			
	65 19		
38 10			
	51 18		
17 9			
	62 27		
50 20			
	79 47		
35 31			
	54 68		

525 Cu. Yds.
 925
 Fill Cut 52%

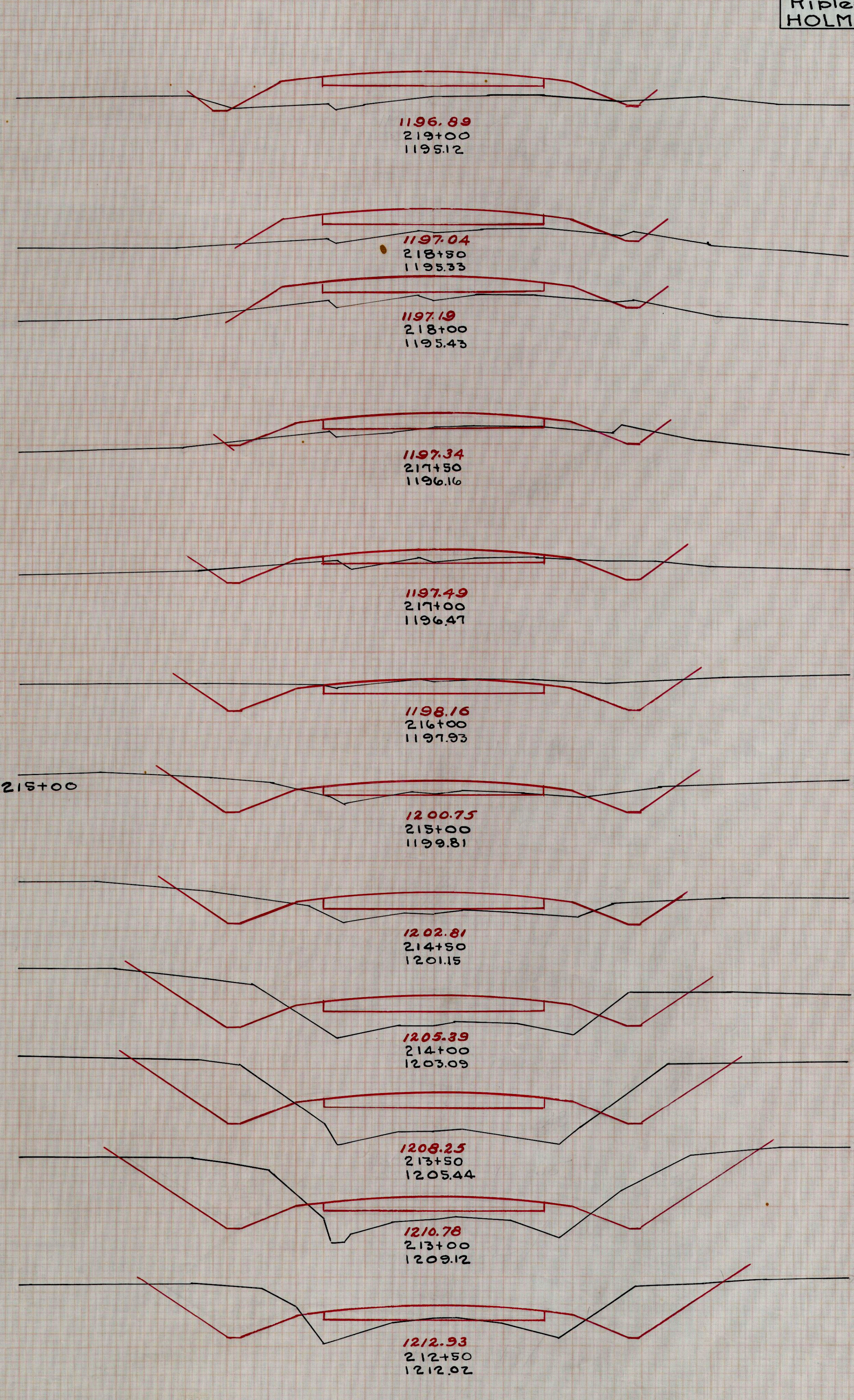
855 Cu. Yds.
 838
 Cut
 16%
 Fill + 16%

209+37

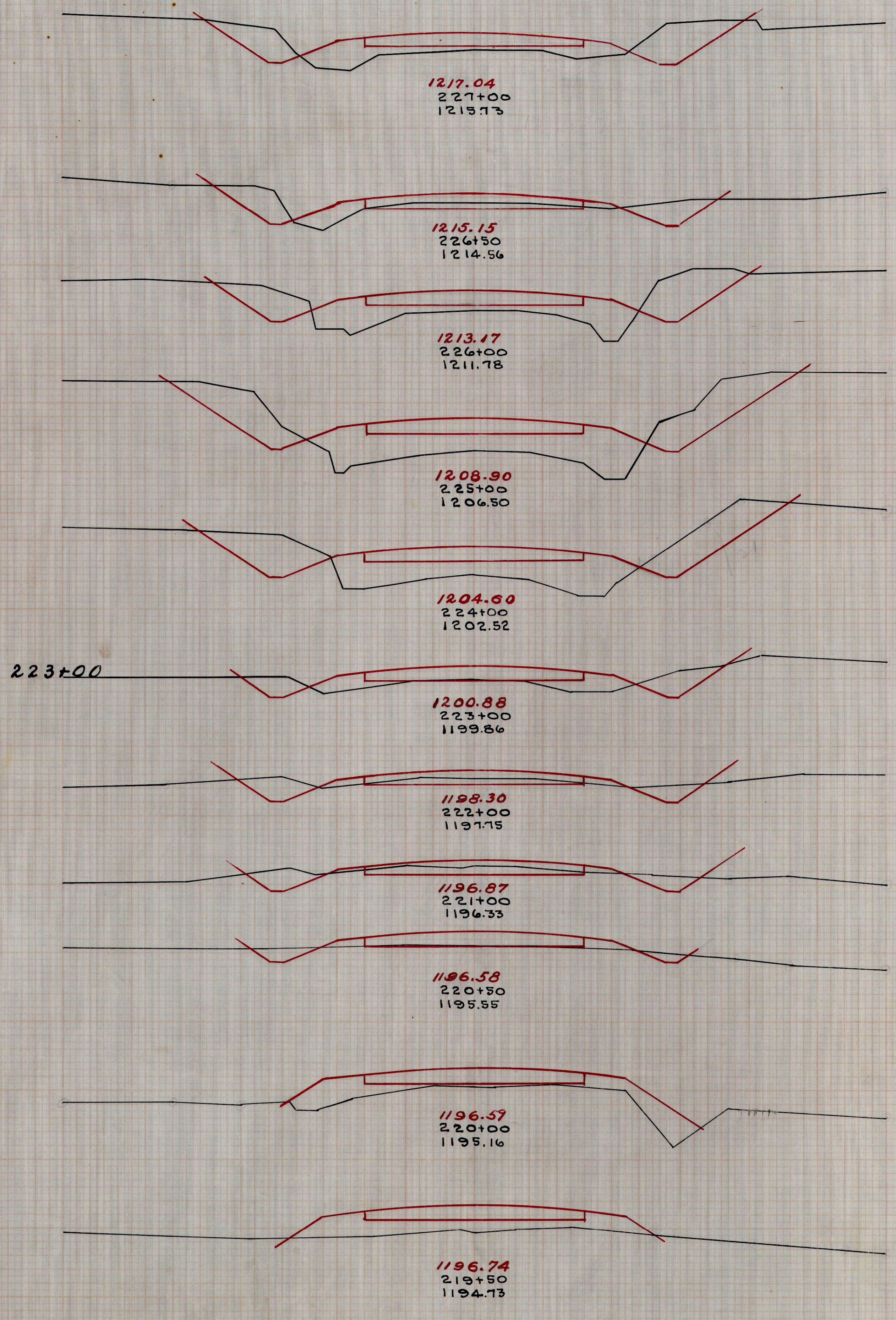


End Area	Cu. Yds.	End Area	Cu. Yds.
Cut	Fill	Cut	Fill
1 30			
	2 51		
1 25			
	2 42		
1 20			
	4 27		
3 9			
	15 10		
13 2			
	89 4		
35 0			
	102 7		
20 4			
	34 17		
17 13			
	44 40		
30 30			
	76 68		
52 43			
	105 60		
61 22			
	98 34		
45 15			
	60 35		

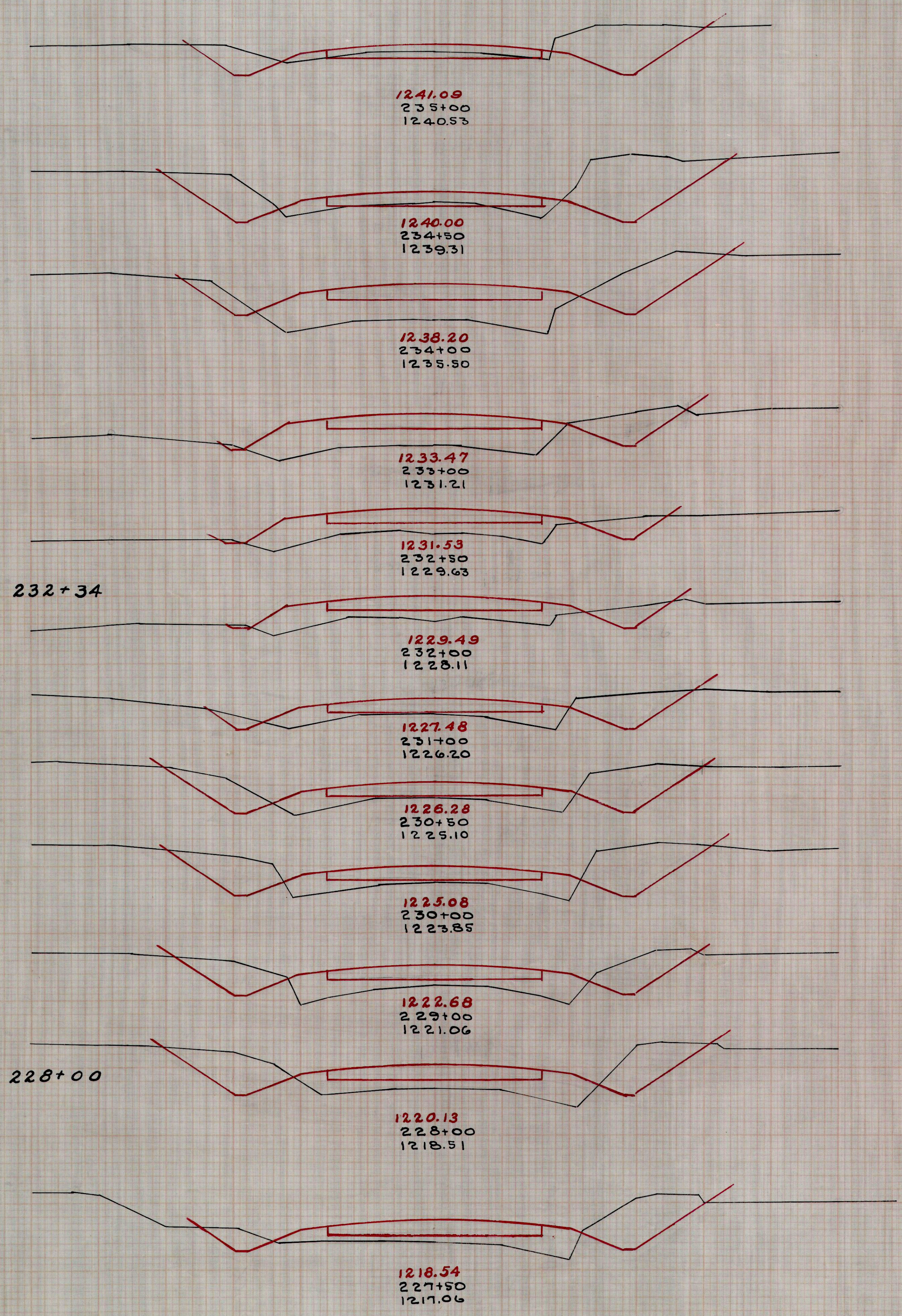
215+00

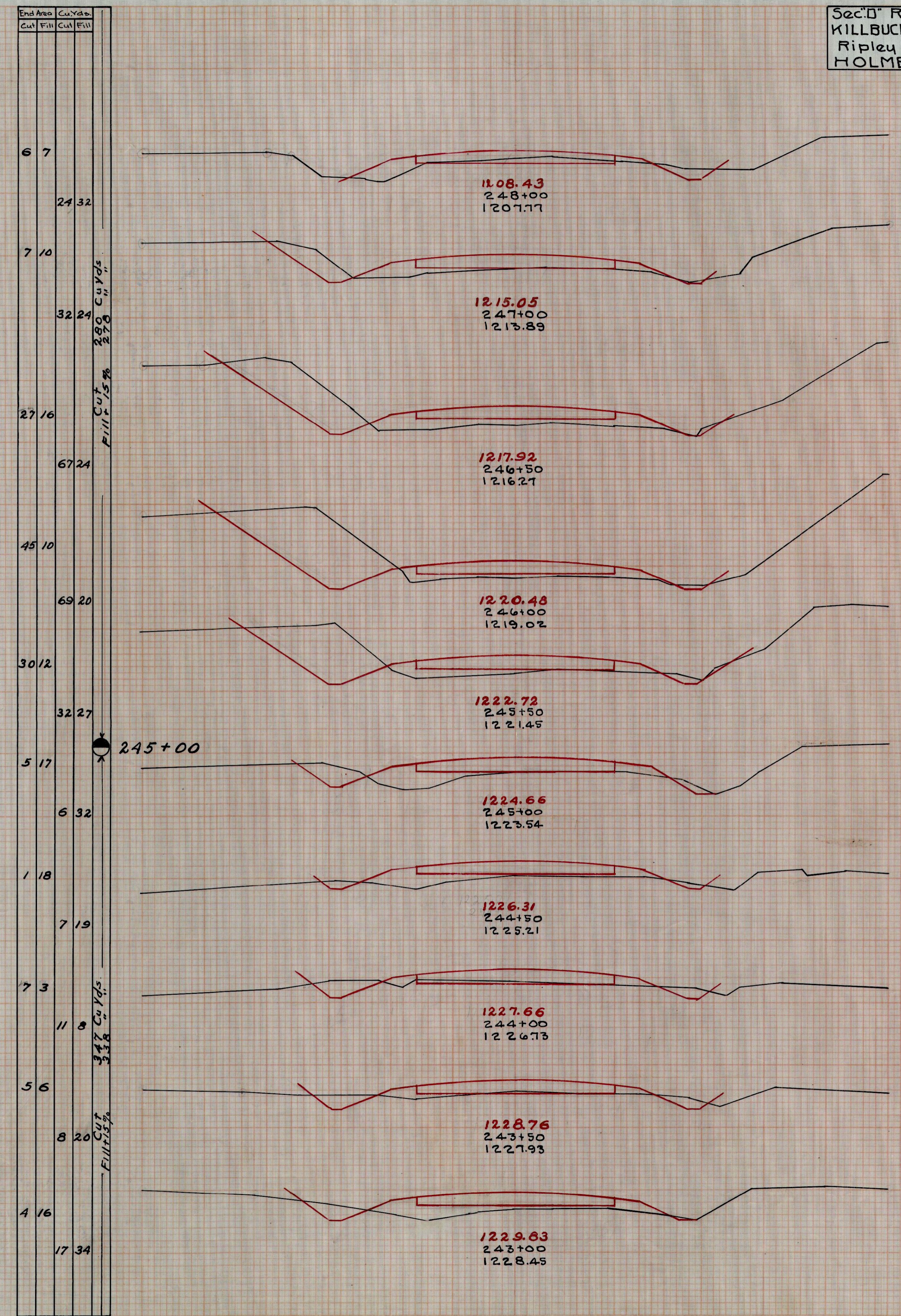
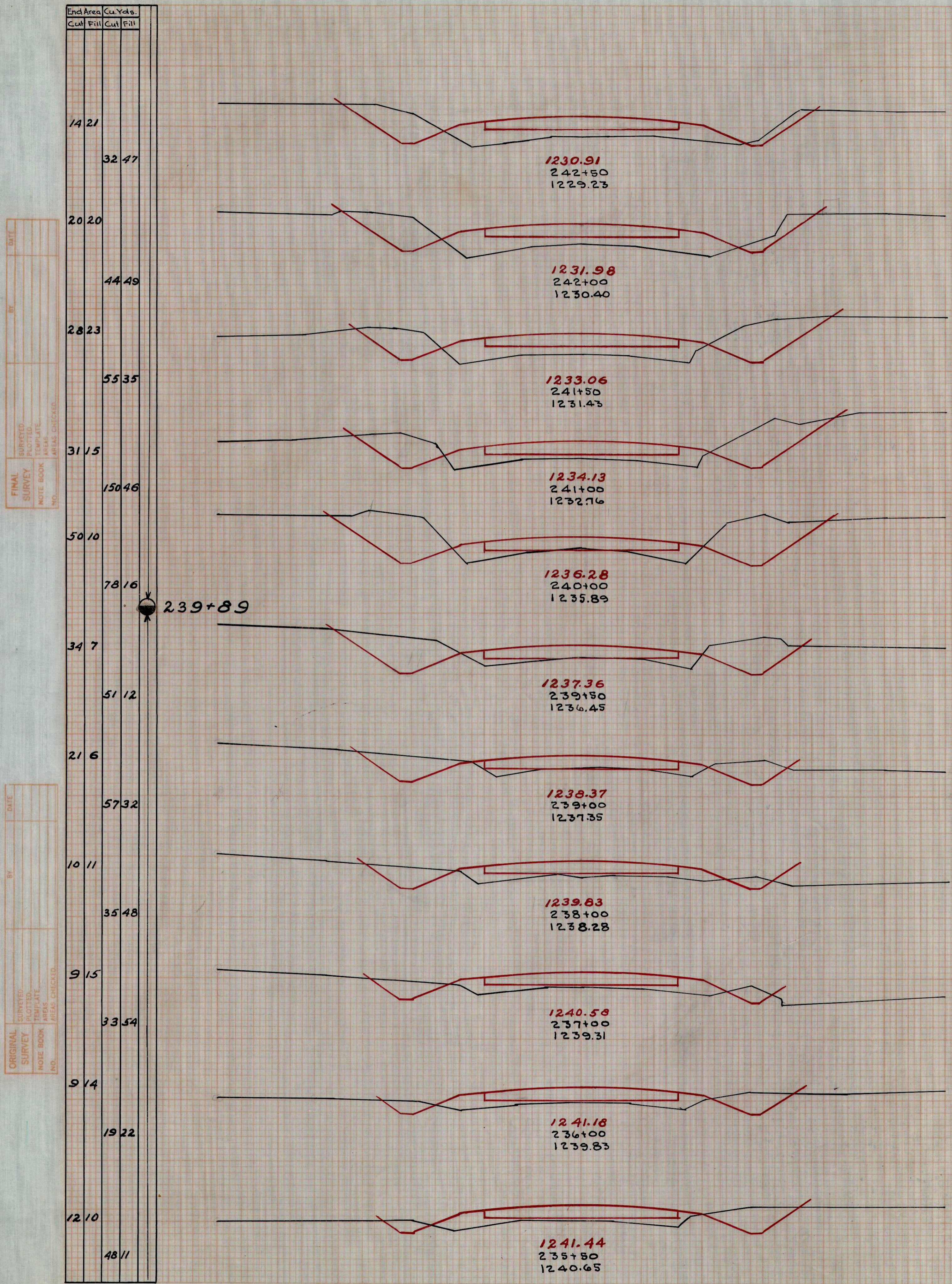


End Area	Cu Yds	End Area	Cu Yds
Cut	Fill	Cut	Fill
24.19		40.2	
	40.23		84.10
19.6		51.9	
	43.22		72.50
27.8		27.45	
	130.19		72.54
43.46		12.38	
	152.156		17.61
39.38		6.28	
	94.93		11.49
12.12		6.25	
	56.26		41.74
18.2		16.15	
	65.6		44.30
17.1		32.17	
	20.4		65.33
5.3		38.19	
	5.31		120.78
0.30		27.23	
	0.53		109.89
0.27		32.25	
	1.53		53.42
		25.20	
			45.36



End Area	Cu Yds	End Area	Cu Yds
Cut	Fill	Cut	Fill
40.2		40.2	
	84.10		84.10
51.9		51.9	
	72.50		72.50
27.45		27.45	
	72.54		72.54
12.38		12.38	
	17.61		17.61
6.28		6.28	
	11.49		11.49
6.25		6.25	
	41.74		41.74
16.15		16.15	
	44.30		44.30
32.17		32.17	
	65.33		65.33
38.19		38.19	
	120.78		120.78
27.23		27.23	
	109.89		109.89
32.25		32.25	
	53.42		53.42
25.20		25.20	
	45.36		45.36

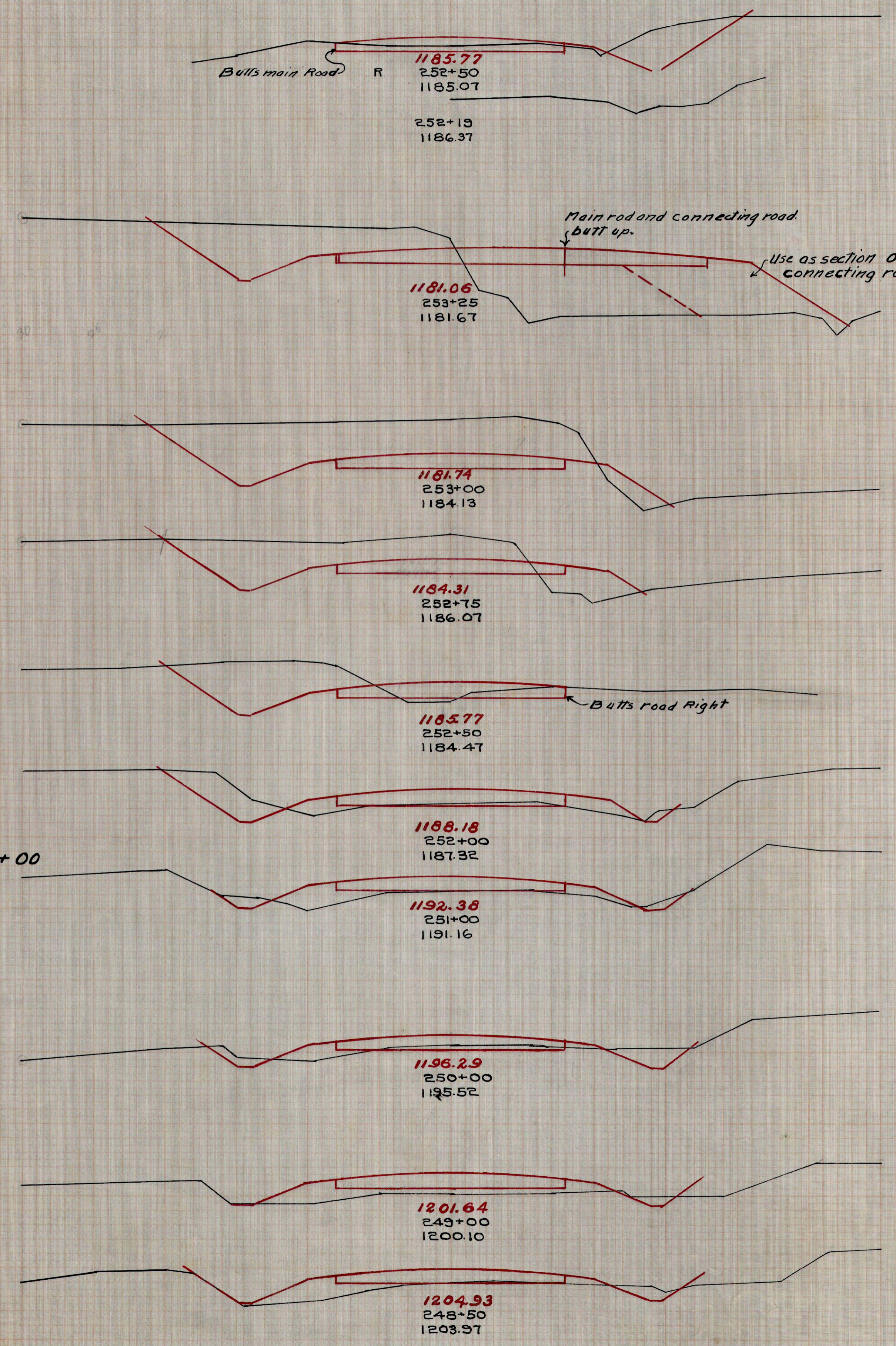




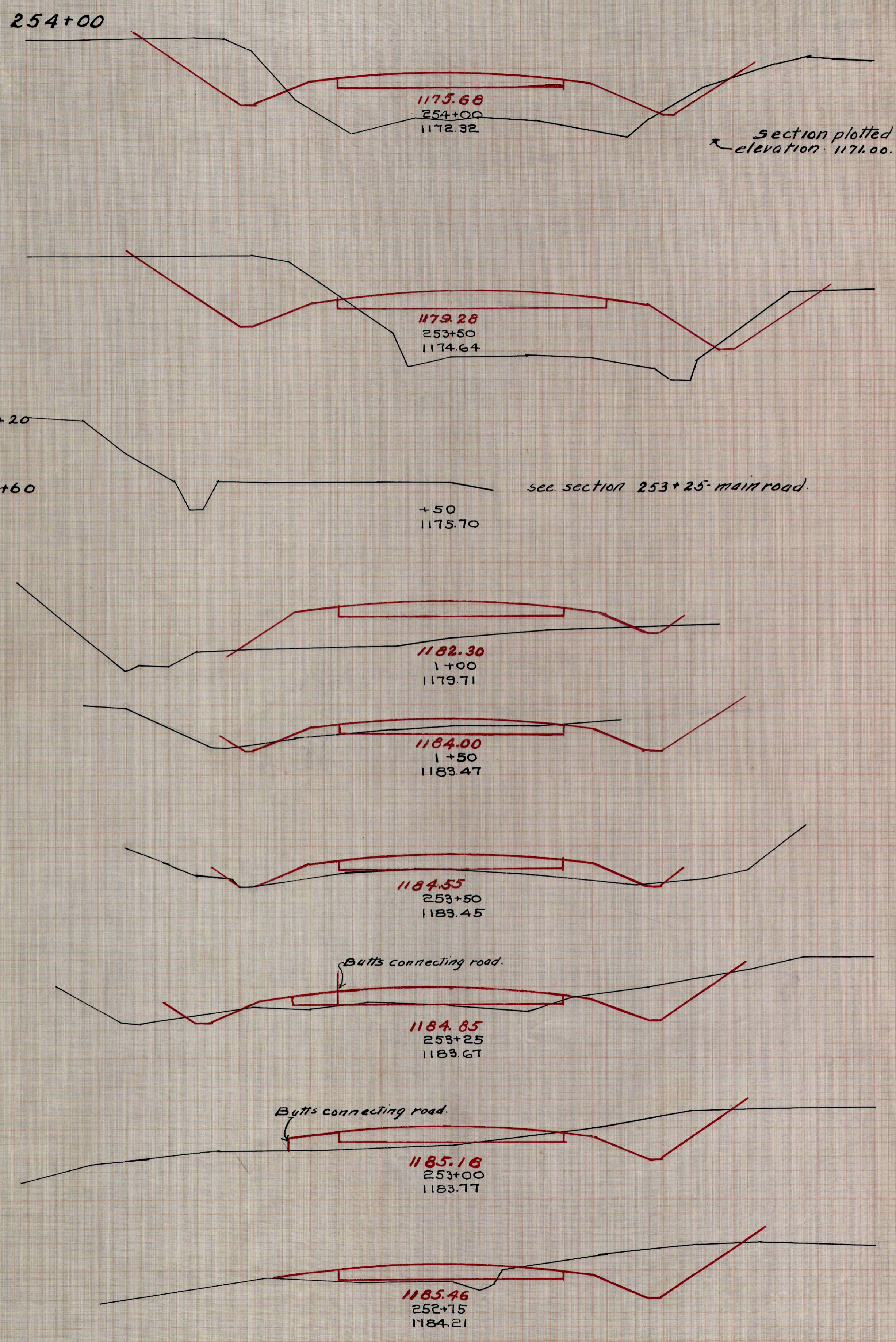
FINAL SURVEY
 CHECKED BY: _____
 DATE: _____

ORIGINAL SURVEY
 CHECKED BY: _____
 DATE: _____

Sta.	End Area		Cu. Yds.	
	Cut	Fill	Cut	Fill
230				
130				
000				
5145				
6823				
955				
717				
5810				
456				
392				
5010				
159				
3339				
312				
2433				
106				
2039				
115				
425				
312				
818				



Sta.	End Area		Cu. Yds.	
	Cut	Fill	Cut	Fill
2766				
69138				
4883				
4659				
00				
025				
034				
161				
118				
2046				
212				
132				
015				
710				
166				
167				
199				
237				
305				
252				

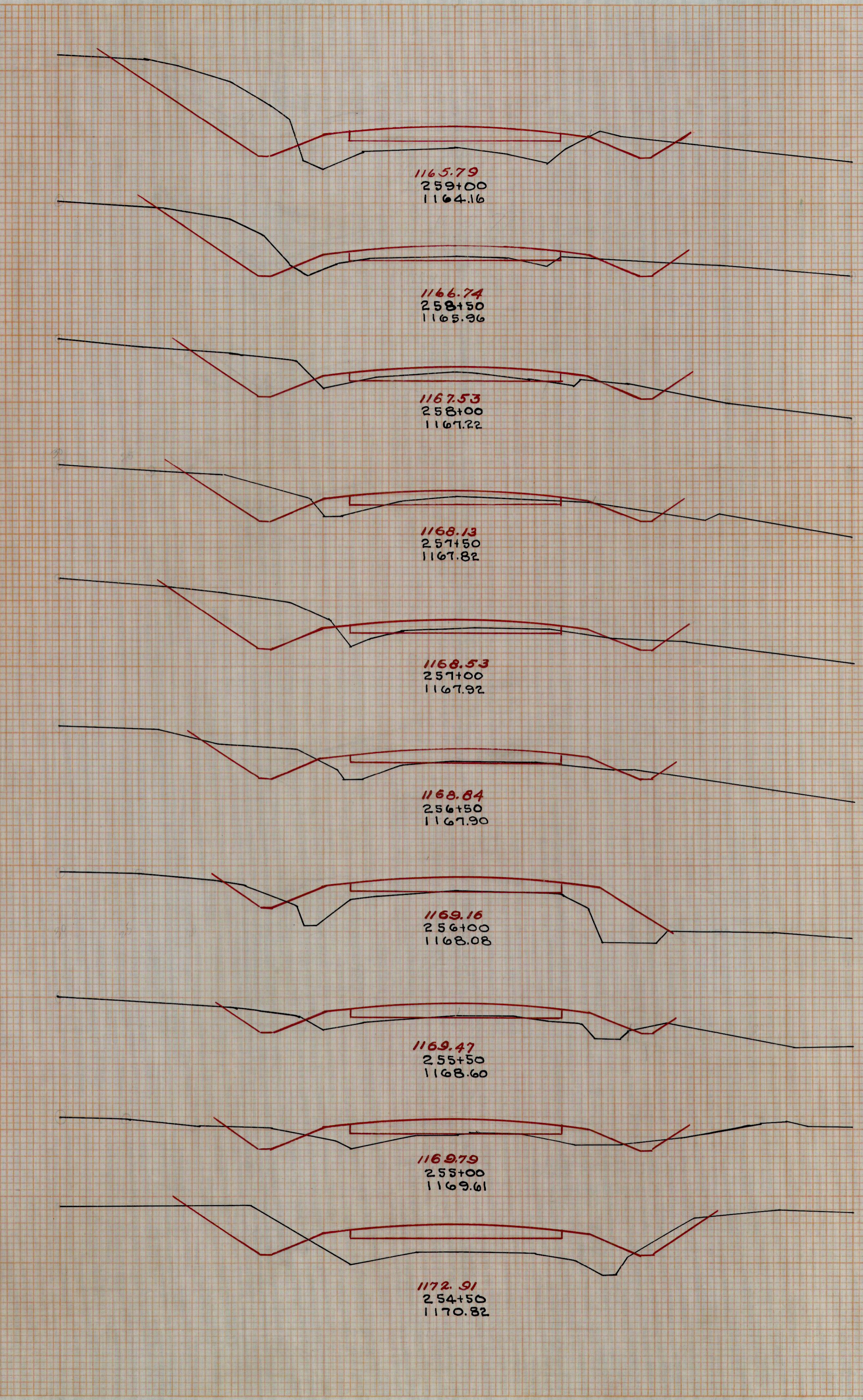


500 Cu. Yds.
50.8

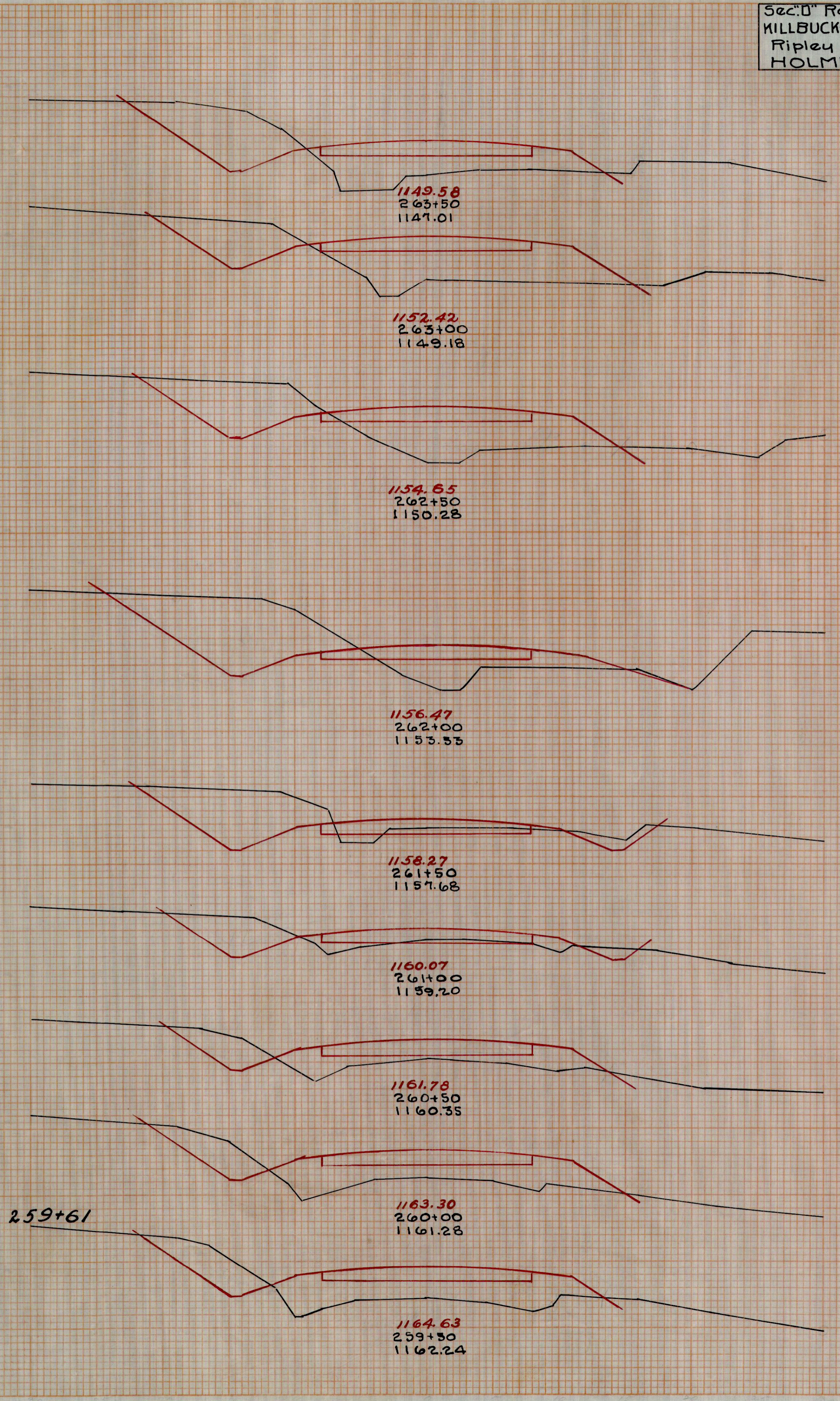
FINAL SURVEY NOTE BOOK NO. SURVEYED, PLOTTED, TEMPLATE, AREAS CHECKED.

ORIGINAL SURVEY NOTE BOOK NO. SURVEYED, PLOTTED, TEMPLATE, AREAS CHECKED.

Sta.	End Area		Cu. Yds.	
	Cut	Fill	Cut	Fill
47.24	68.28			
26.6	49.3			
27.3	48.7			
25.4	55.8			
34.5	44.12			
14.8	16.34			
3.29	10.41			
8.15	13.27			
6.14	28.45			
24.35	47.94			

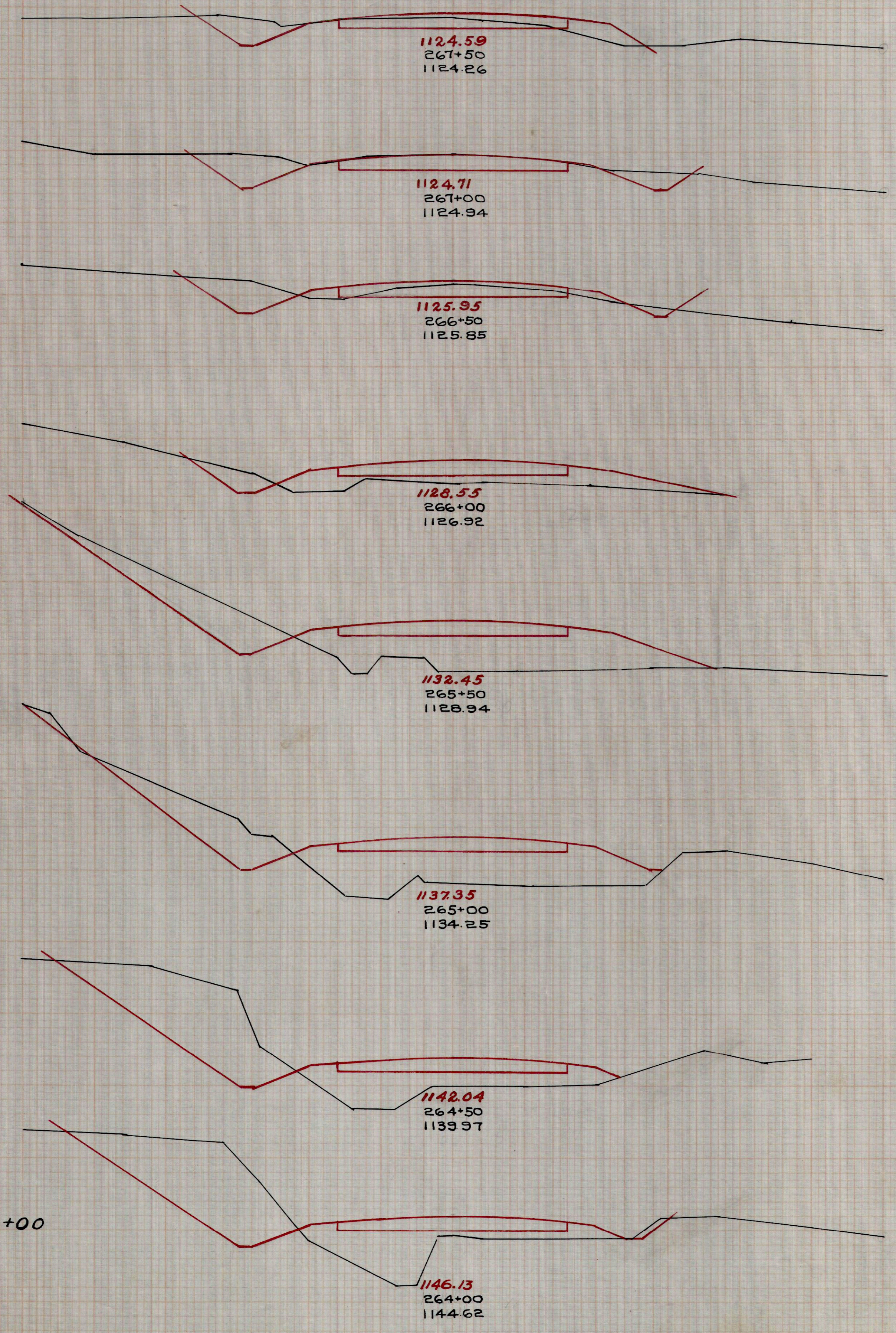


Sta.	End Area		Cu. Yds.	
	Cut	Fill	Cut	Fill
37.35	57.83			
25.55	58.90			
38.42	97.60			
67.23	109.24			
51.3	65.10			
19.8	30.31			
13.25	25.64			
14.44	29.82			
17.45	59.64			



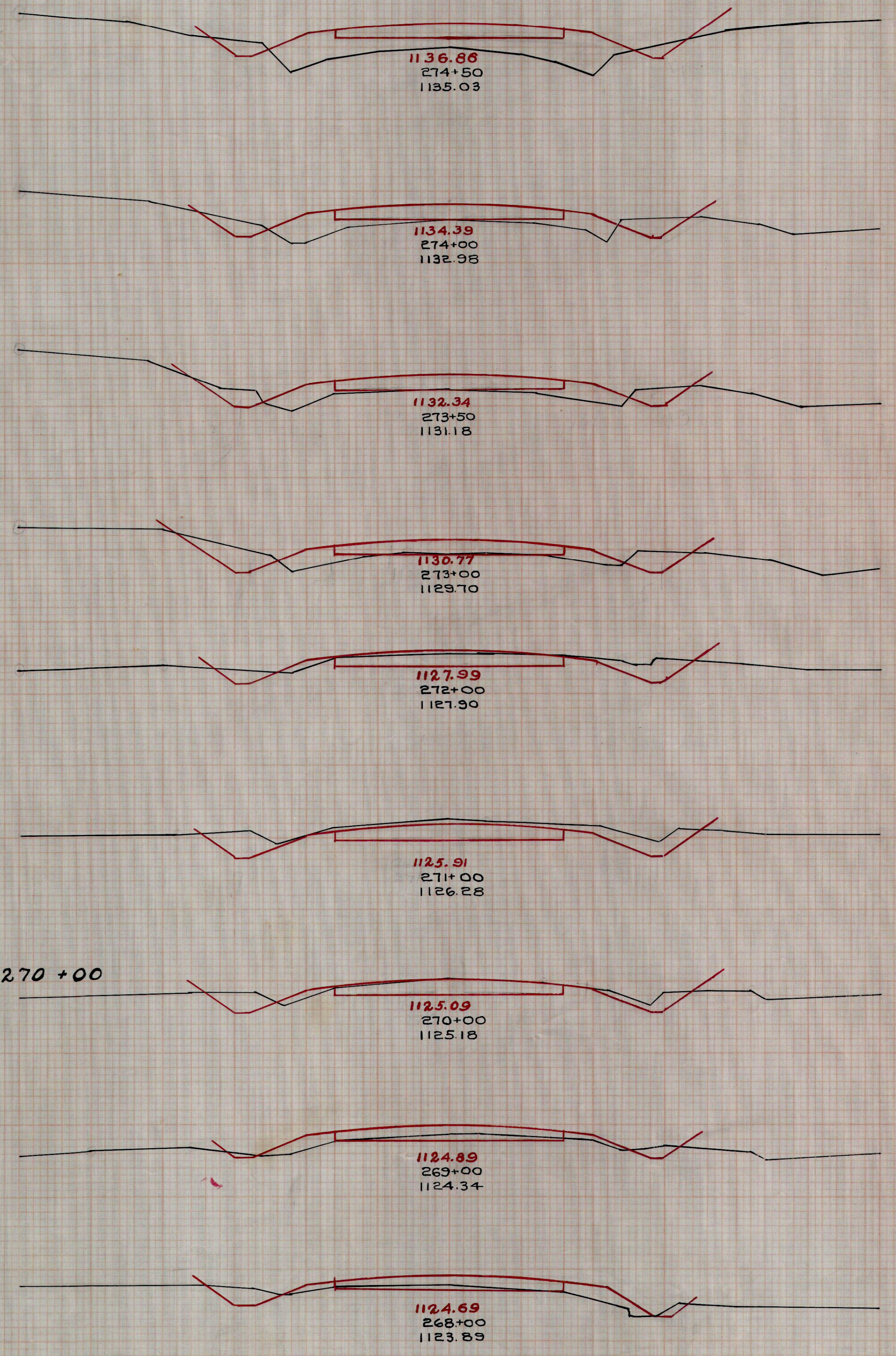
End Area	Cu. Yds.	End Area	Cu. Yds.
Cut	Fill	Cut	Fill
16.4			
	41.4		
28.0			
	46.2		
22.2			
	26.23		
6.23			
	32.75		
28.58			
	51.107		
27.58			
	79.83		
58.32			
	109.61		
60.34			
	90.64		

Fill Cut 470 Cu Yds.
 Fill Cut 470 Cu Yds.



End Area	Cu. Yds.	End Area	Cu. Yds.
Cut	Fill	Cut	Fill
3.35			
	9.51		
7.20			
	12.32		
6.15			
	17.23		
12.10			
	59.22		
20.2			
	96.4		
32.0			
	93.4		
18.2			
	44.17		
6.17			
	24.26		
7.7			
	22.10		

Fill Cut 321 Cu Yds.
 Fill Cut 321 Cu Yds.

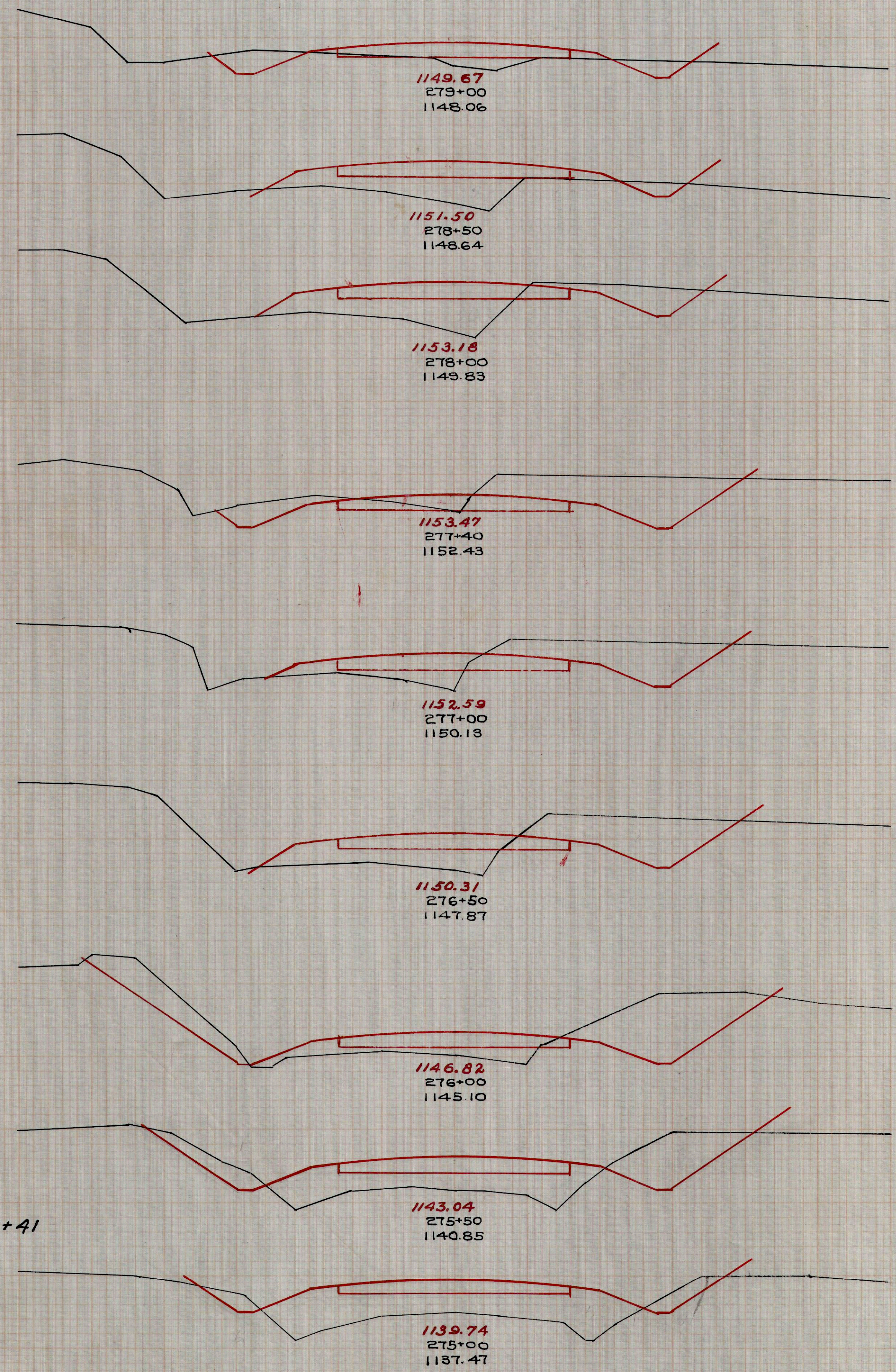


FINAL SURVEY
 DATE: _____
 BY: _____
 CHECKED: _____
 APPROVED: _____

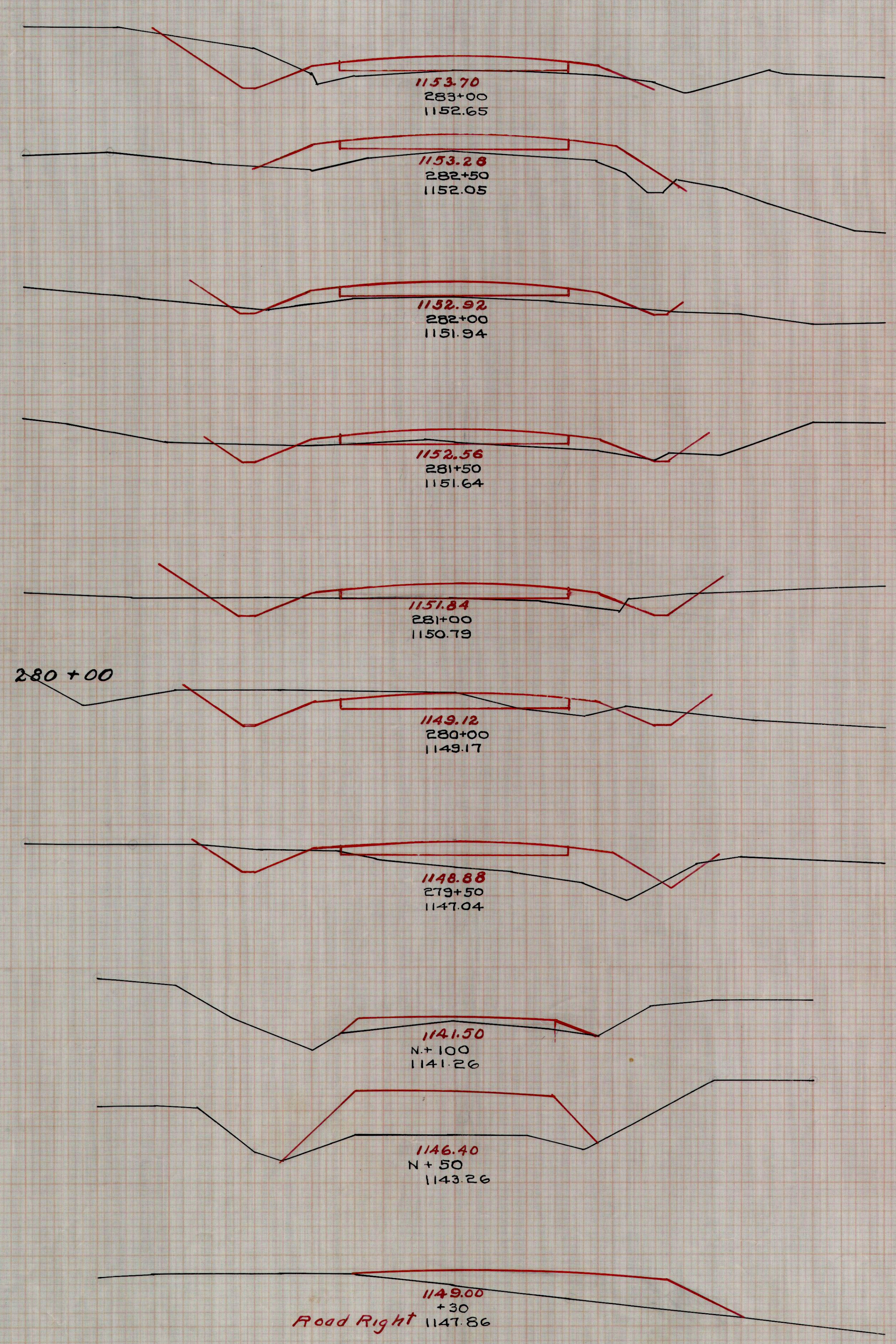
ORIGINAL SURVEY
 DATE: _____
 BY: _____
 CHECKED: _____
 APPROVED: _____

End Area	Cu. Yds.	End Area	Cu. Yds.
Cut	Fill	Cut	Fill
87			
930			
225			
1651			
1530			
8133			
580			
677			
3310			
6328			
3520			
8230			
5412			
7645			
2837			
3281			
756			
979			

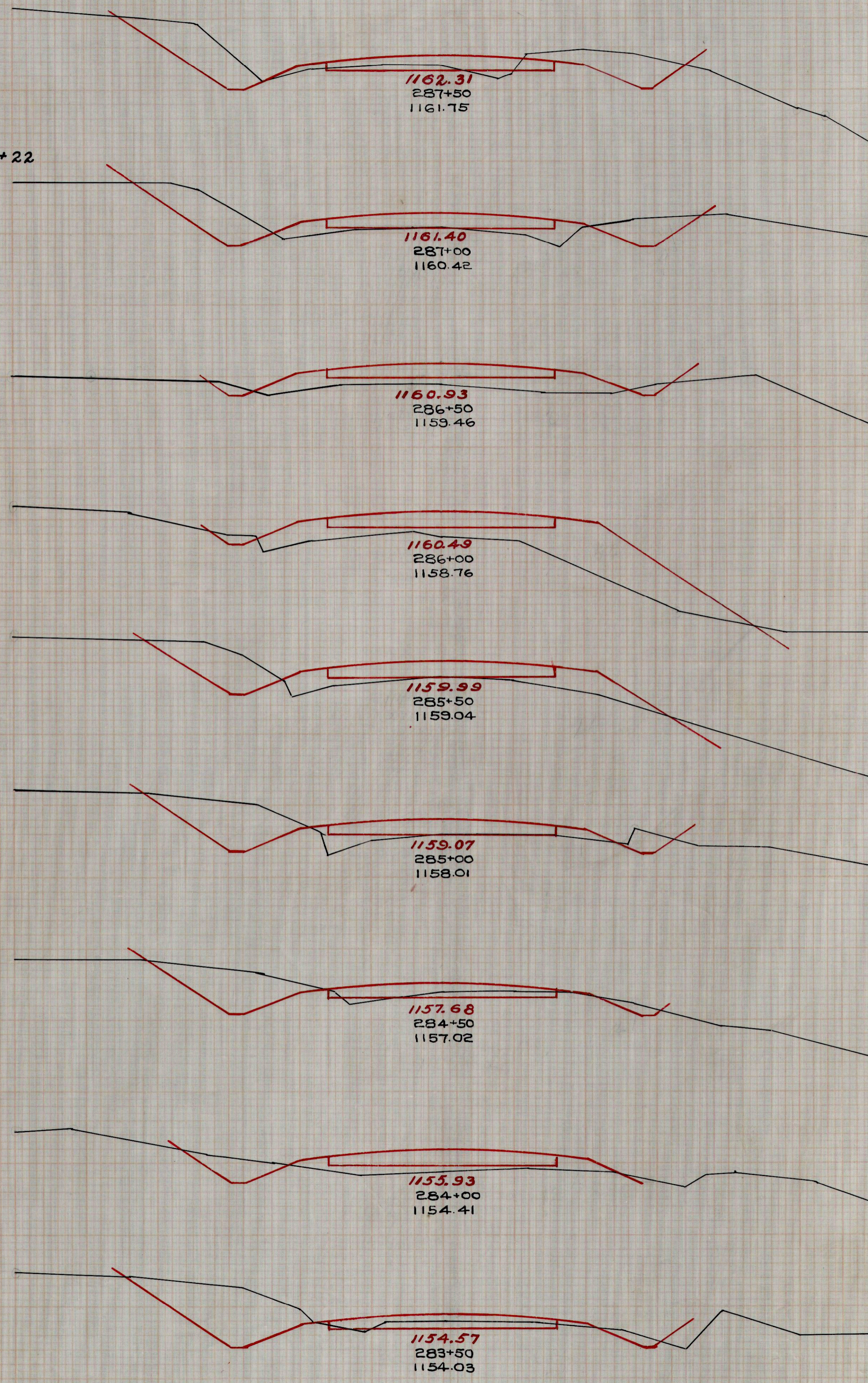
448 Cu. Yds.
 330%
 CUT
 FILL + 10%



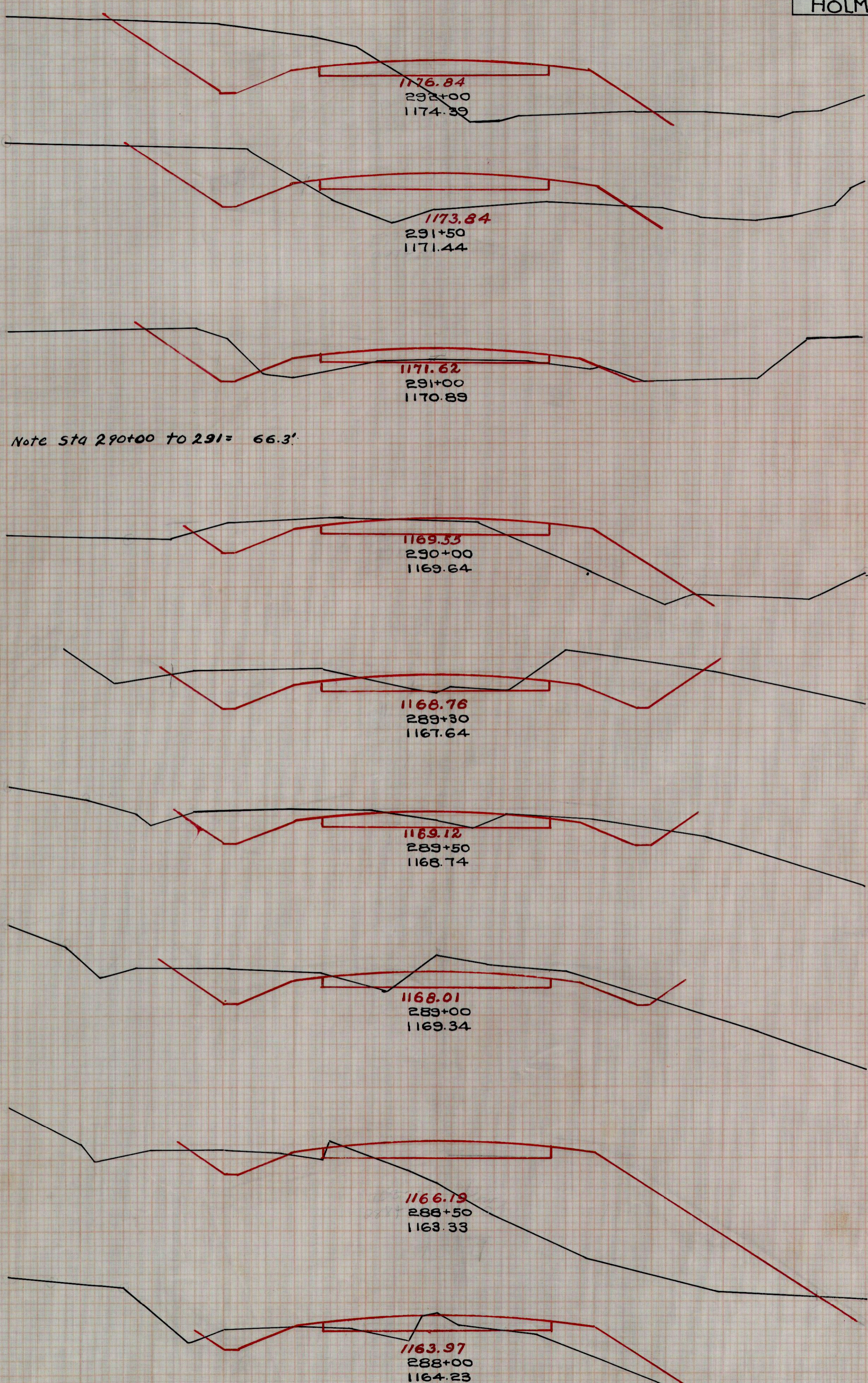
End Area	Cu. Yds.	End Area	Cu. Yds.
Cut	Fill	Cut	Fill
169			
1532			
025			
132			
110			
517			
48			
1211			
94			
6915			
284			
3332			
830			
1534			
09099			
054			
035			



End Area	Cu Yds.	End Area	Cu Yds.
Cut	Fill	Cut	Fill
41.2			
63.11			
27.10			
28.28			
3.20			
4.69			
1.55			
17.66			
17.16			
40.23			
26.9			
49.9			
27.1			
32.12			
7.12			
42.11			
38.0			
50.8			



End Area	Cu Yds.	End Area	Cu Yds.
Cut	Fill	Cut	Fill
50.40			
73.65			
29.30			
42.35			
16.8			
46.40			
21.25			
47.23			
49.0			
47.1			
30.0			
29.0			
36.1			
41.18			
8.126			
15.132			
8.17			
45.18			



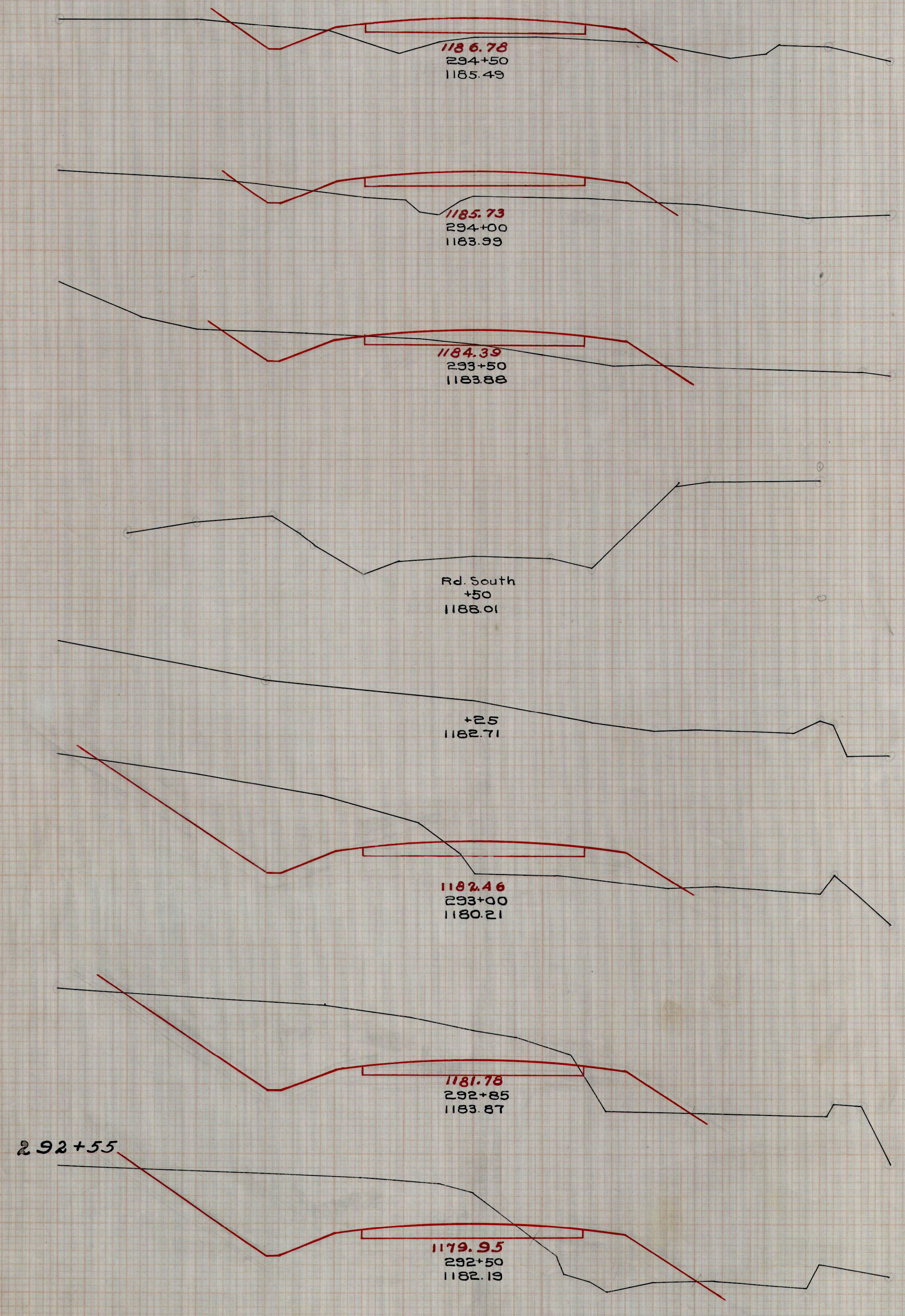
Note Sta 290+00 to 291= 66.3'

606 Cu Yds.
 606
 Cut
 Fill + 1.5%

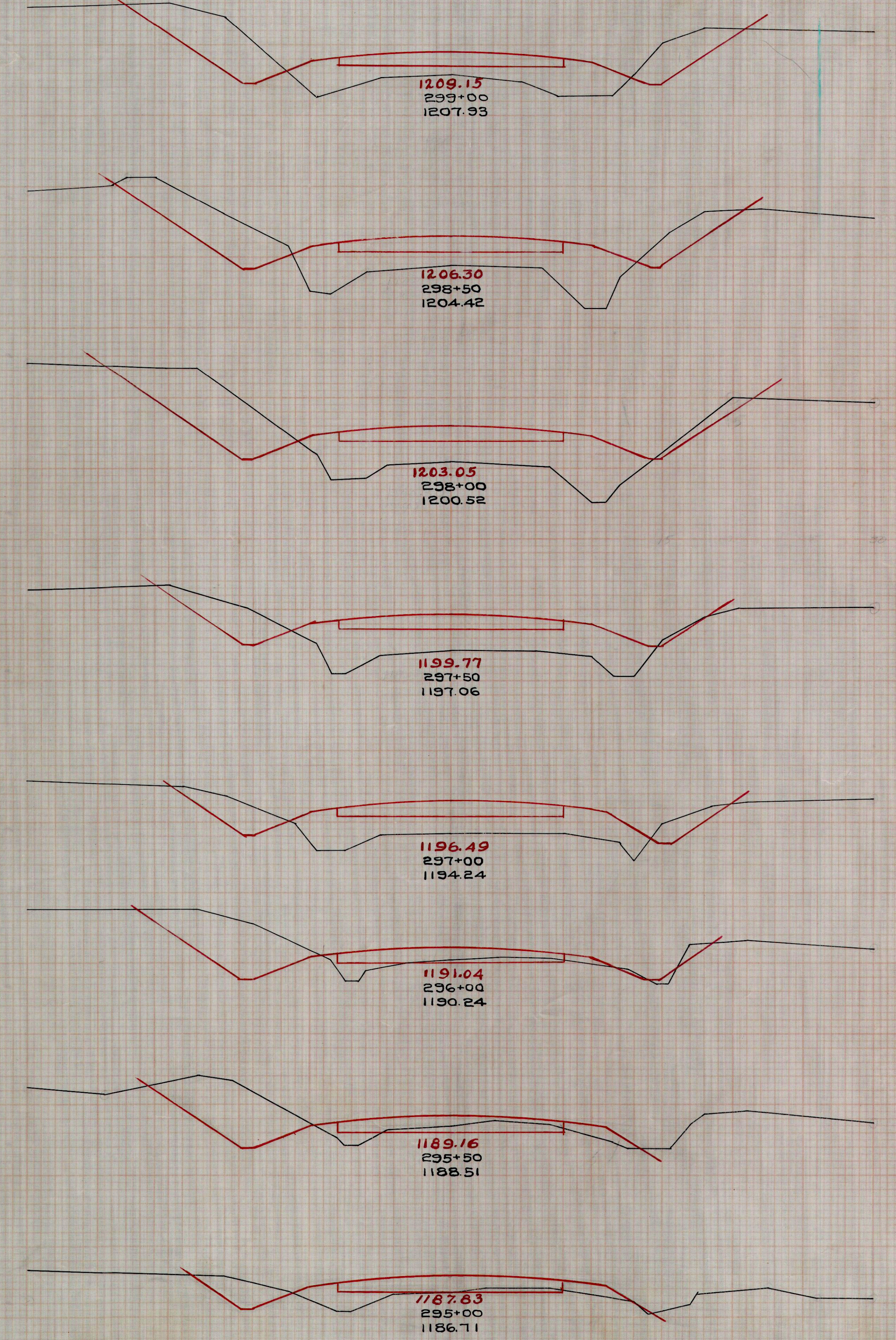
FINAL SURVEY
 DATE
 BY
 CHECKED
 NO.

ORIGINAL SURVEY
 DATE
 BY
 CHECKED
 NO.

Sta.	End Area		Cu. Yds.	
	Cut	Fill	Cut	Fill
7 16	11	39		
5 26	19	34		
15 11	97	32		
90 23	59	11		
120 15	149	28		
100 28	139	63		



Sta.	End Area		Cu. Yds.	
	Cut	Fill	Cut	Fill
38 34	70	78		
38 50	72	96		
40 54	50	96		
14 50	30	83		
18 40	93	85		
32 6	61	13		
34 8	39	19		
8 12	14	26		

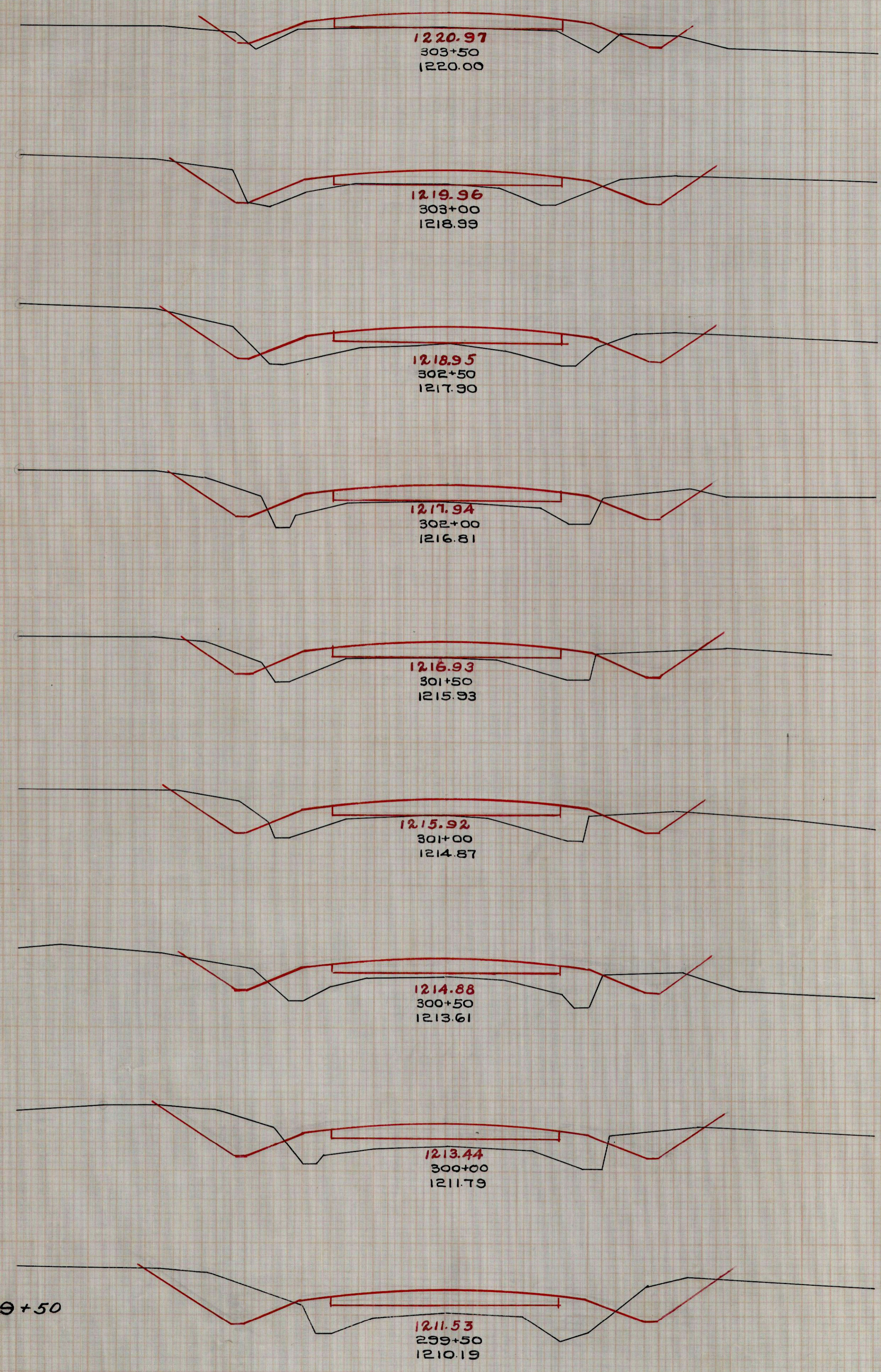


FINAL SURVEY PLOTTED
 NOTE BOOK AREA CHECKED

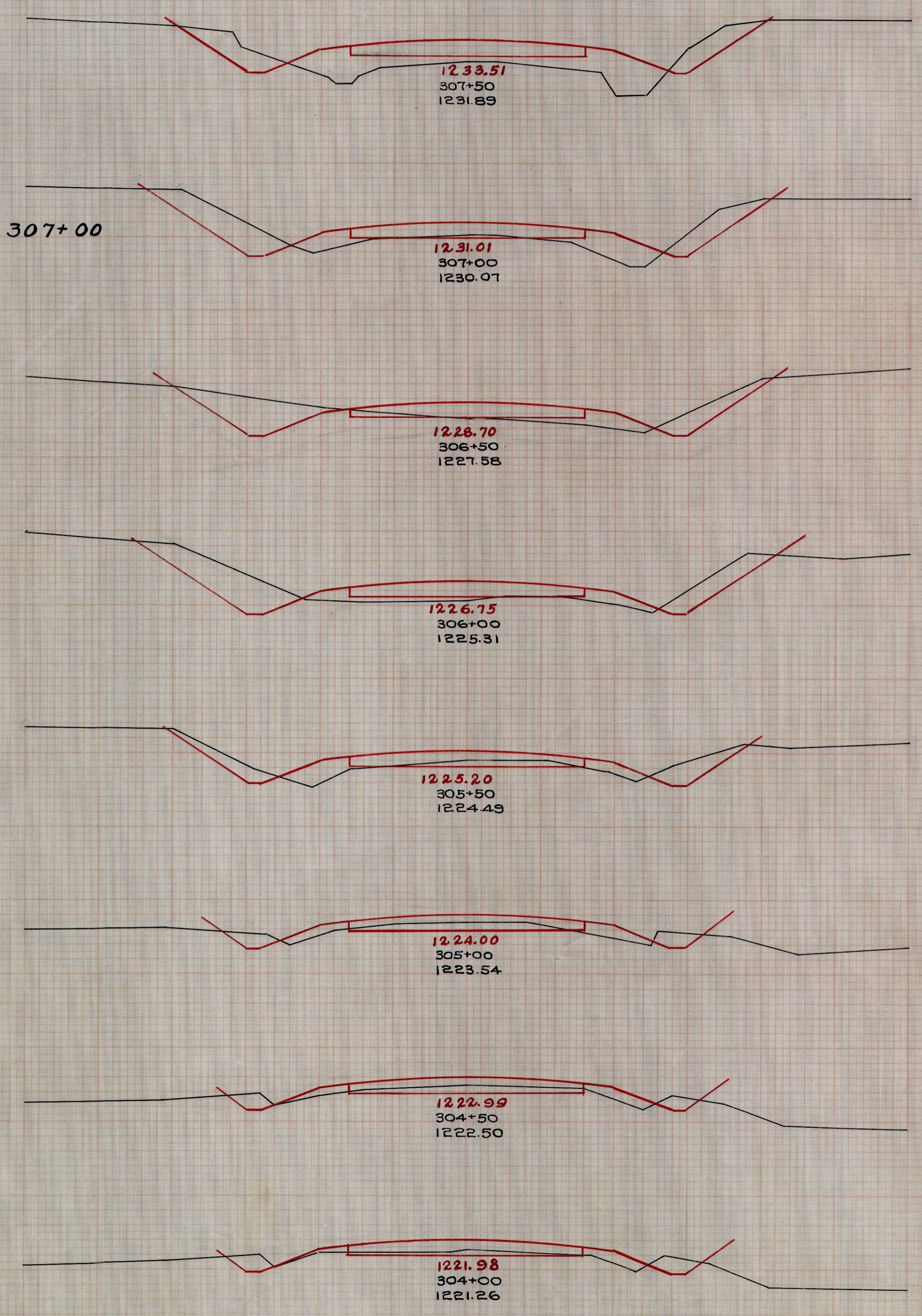
ORIGINAL SURVEY PLOTTED
 NOTE BOOK AREA CHECKED

End Area	Cu. Yds.
Cut	Fill
3 8	15 18
13 11	26 29
18 20	30 32
17 15	28 28
13 15	24 32
13 19	20 39
9 23	32 44
25 25	48 48
27 27	60 57

CUT
 426 Cu. Yds.
 426 Cu. Yds.
 FILL+15%



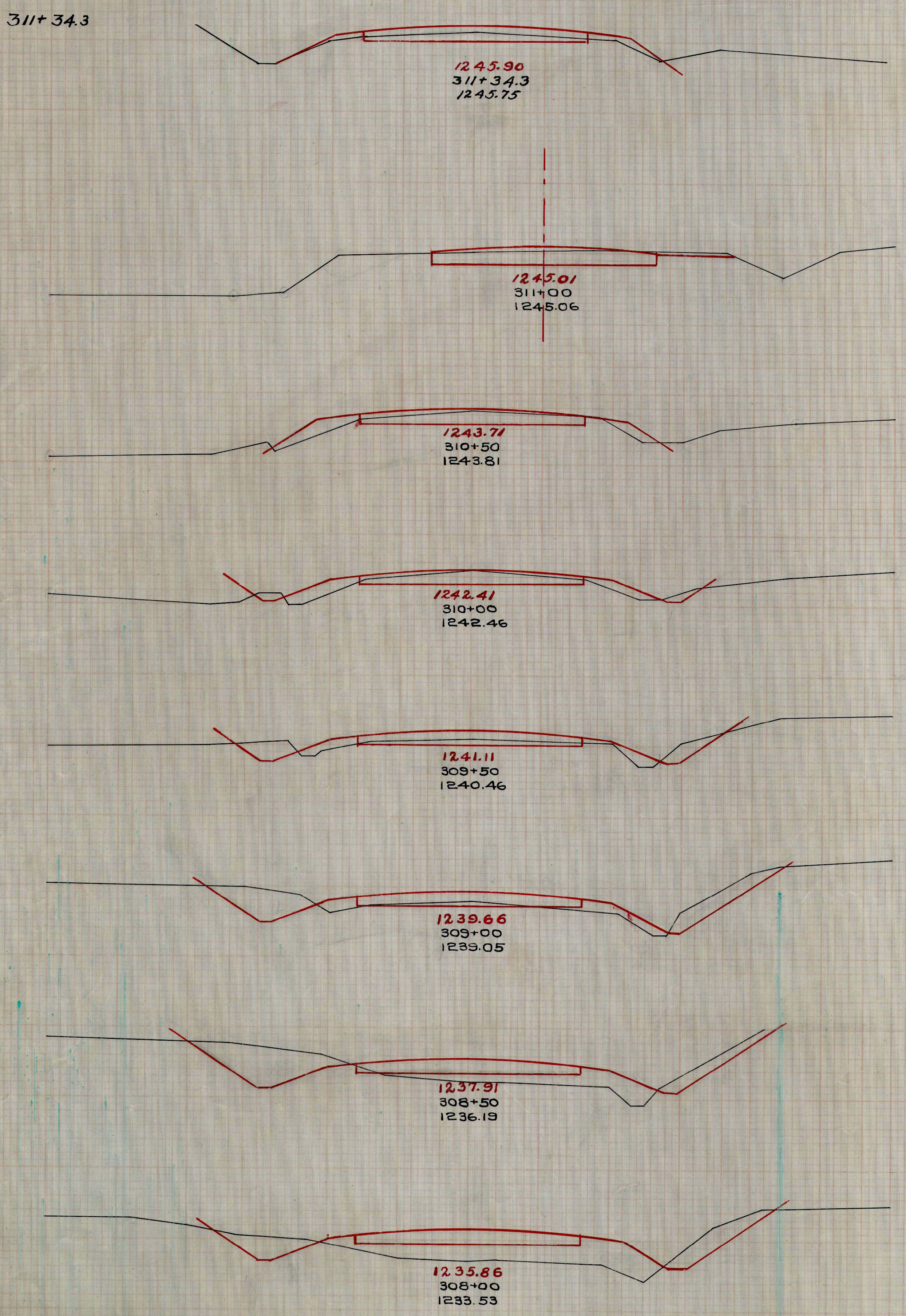
End Area	Cu. Yds.
Cut	Fill
17 30	35 41
21 14	44 19
27 7	50 16
27 10	39 16
15 7	24 11
11 5	19 9
10 5	17 8
8 4	10 11



FINAL
 SURVEY
 NOTE BOOK
 NO.

ORIGINAL
 SURVEY
 NOTE BOOK
 NO.

End Area	CoYds	CoYds
Cut	Fill	Fill
98	163	
160	247	
108	1914	
107	2011	
125	3211	
237	4321	239
236	3543	239
1530	1556	



FINAL
 SURVEY
 NOTE BOOK

ORIGINAL
 SURVEY
 NOTE BOOK

CUT
 FILL
 239
 239
 CUYDS