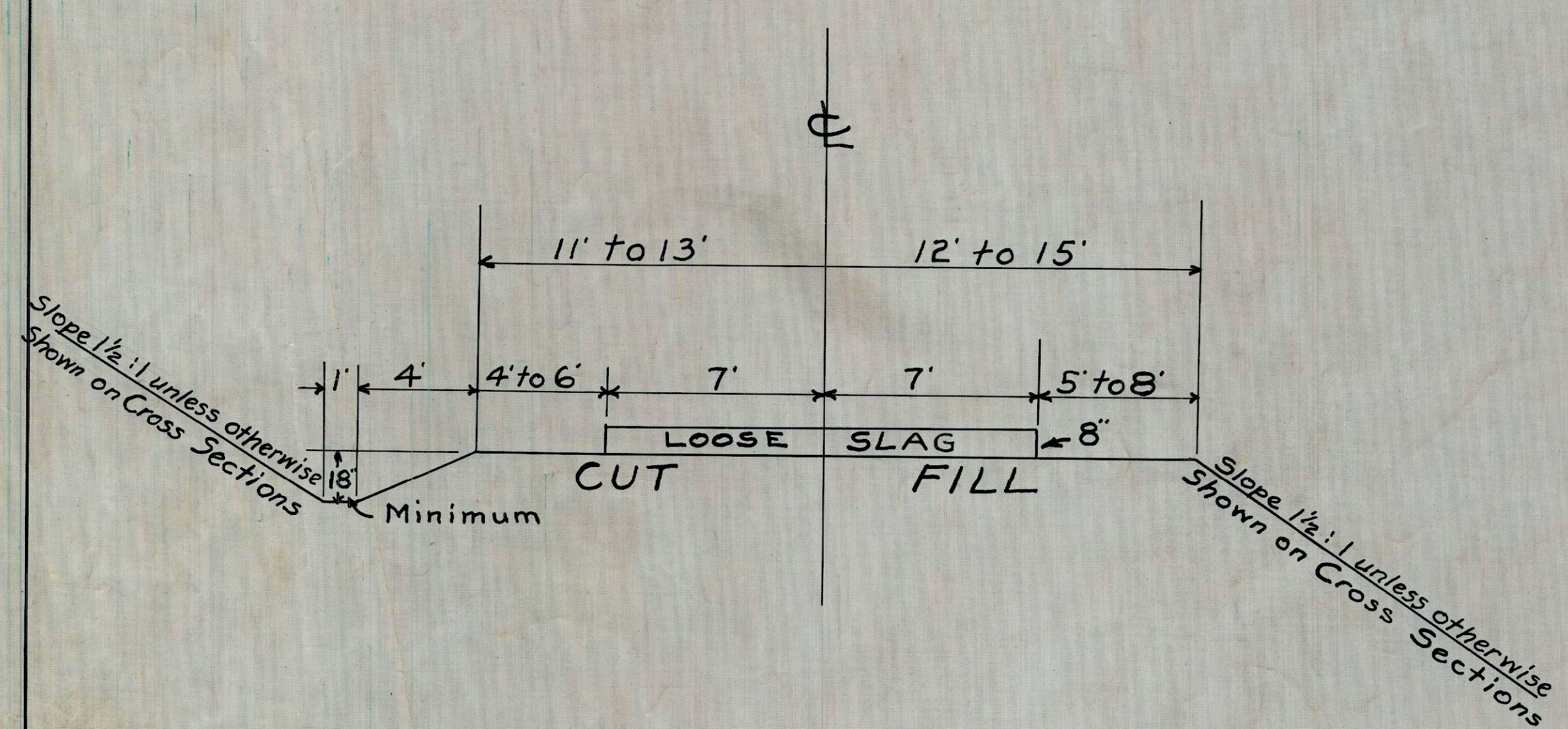


# HOLMES COUNTY

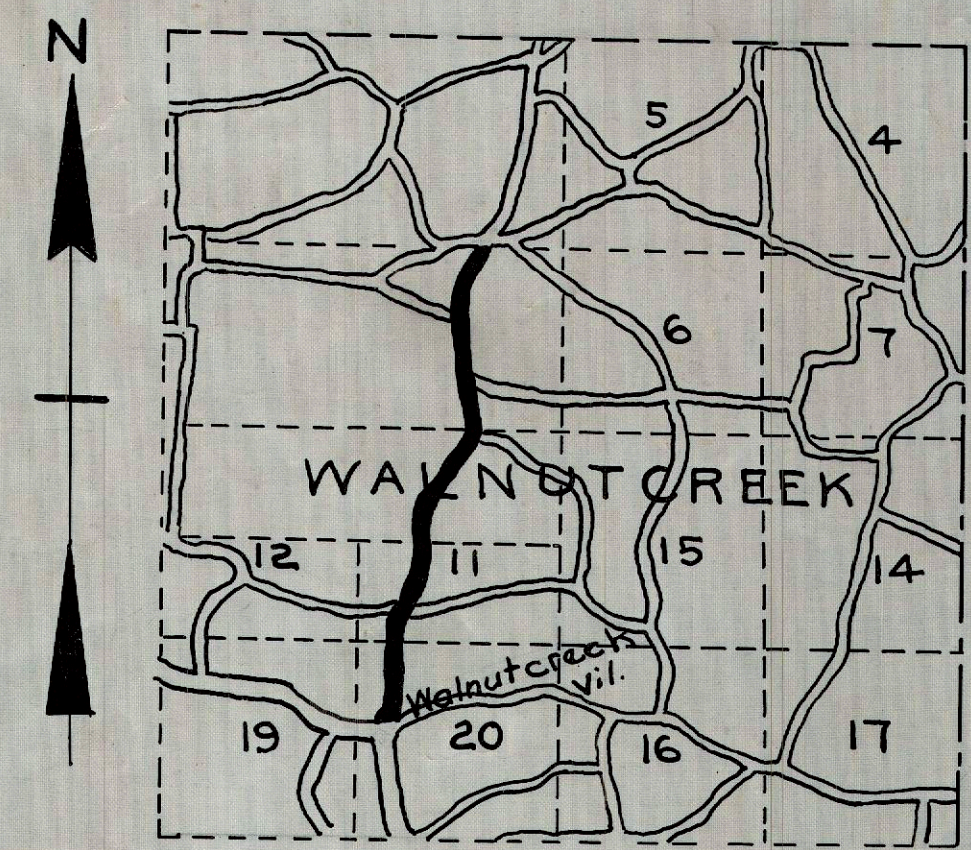
## DIVISION OF CONSTRUCTION

### WINESBURG-WALNUTCREEK ROAD

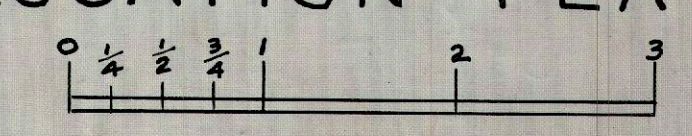
ROAD No 157      WALNUTCREEK TWP.



TYPICAL CROSS SECTION UNLESS OTHERWISE SHOWN ON CROSS SECTION SHEETS



LOCATION PLAN



PORTION TO BE IMPROVED

#### SCALES

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

Slag shall be spread uniformly to thickness shown by staking forms on the sides and using a strike off or by using an adjustable spreader box. Contractor shall keep the placed slag dragged until all the slag has been placed.

#### INDEX OF SHEETS

Title and Standard Sections	Sheet 1
Plans and Profile	"
Cross Sections	"
Culverts and Bridges	"
Summary of Quantities	"

The Standard Specifications of the State of Ohio, Division of Highways, in force on August 25<sup>th</sup> 1925 will govern this improvement unless otherwise shown.

I hereby approve these plans and declare that the making of this improvement will not require the closing to traffic of the Highway.

Approved April, 26-1927.

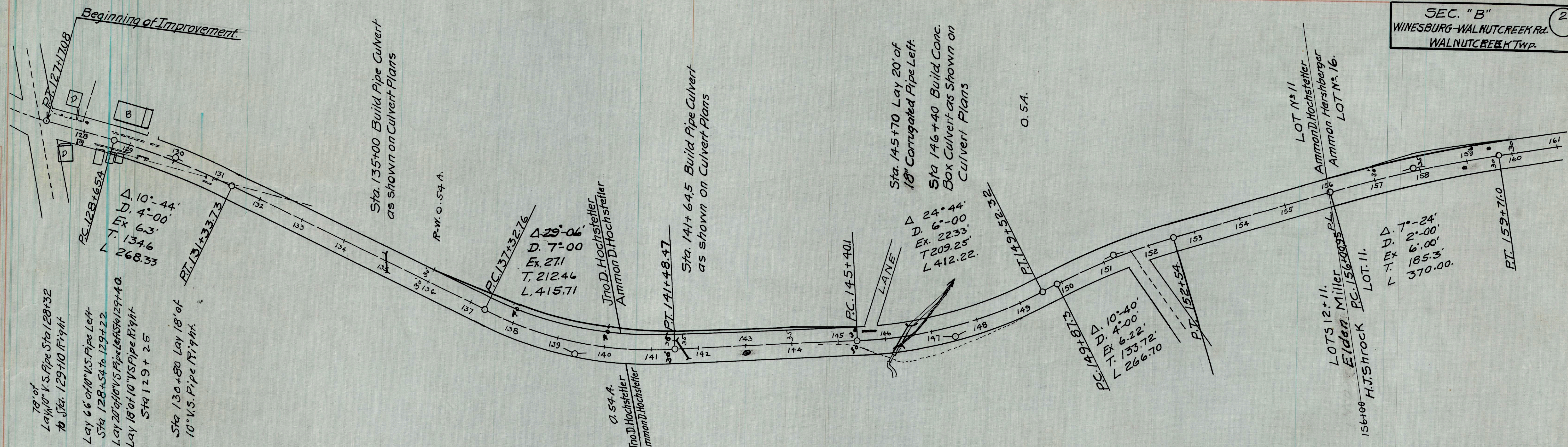
*Karl Snyder*  
 County Surveyor

We the Commissioners of Holmes County, hereby approve these plans and certify that the Right-Of-Way 60ft. wide is available for the construction, maintenance and repair of the above Highway.

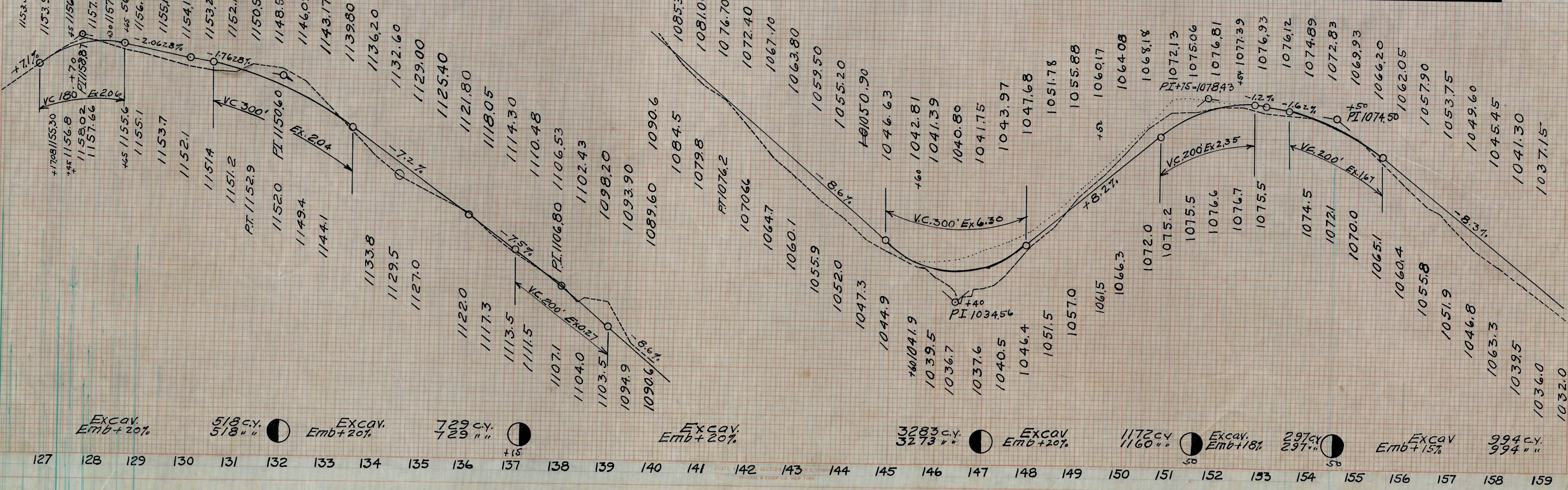
Approved April, 26-1927.

*N. H. Allison*  
*J. A. Muller*  
*G. W. Hanna*  
 County Commissioners





B.M. Sta. 127+00 U.S.P.B.M. Iron Post Rt. Elev. 1155.83.	B.M. Sta. 133+00 2 nails in fence post Left Elev. 1139.77	B.M. Sta. 139+00 2 nails in root of cherry snag. Elev. 1102.38	B.M. Sta. 141+25 2 nails in root of apple Rt. Elev. 1087.33	B.M. Sta. 146+10. N.W. Cor. of Westheadwall of Old Culvert Elev. 1042.02	B.M. Sta. 151+90 2 nails in root of honey Locust Elev. 1080.06	B.M. Sta. 159+00 2 nails in root of Apple Rt. Elev. 1036.91.
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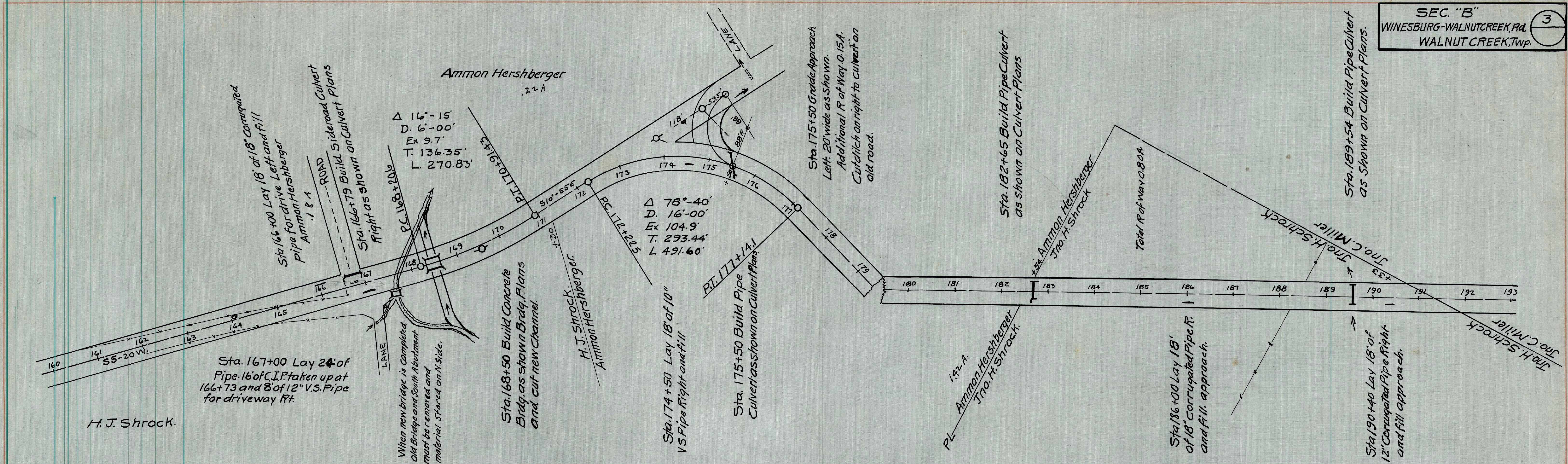
FINAL SURVEY PLOTTED  
DATE: 10/1/50  
BY: J. H. H. H.  
CHECKED: J. H. H. H.  
NO. 100

Excav. Emb+20% 518 c.y. 518 " "	Excav. Emb+20% 729 c.y. 729 " "	Excav. Emb+20% 3283 c.y. 3273 " "	Excav. Emb+18% 1172 c.y. 1160 " "	Excav. Emb+15% 297 c.y. 297 " "	Excav. Emb+15% 994 c.y. 994 " "
---------------------------------------	---------------------------------------	---	---	---------------------------------------	---------------------------------------



FINAL SURVEY  
 DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 NO. \_\_\_\_\_

ORIGINAL SURVEY  
 DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 NO. \_\_\_\_\_



B.M. Sta. 164+10  
 2 nails in 10" Elm Left  
 Elev. 1018.09

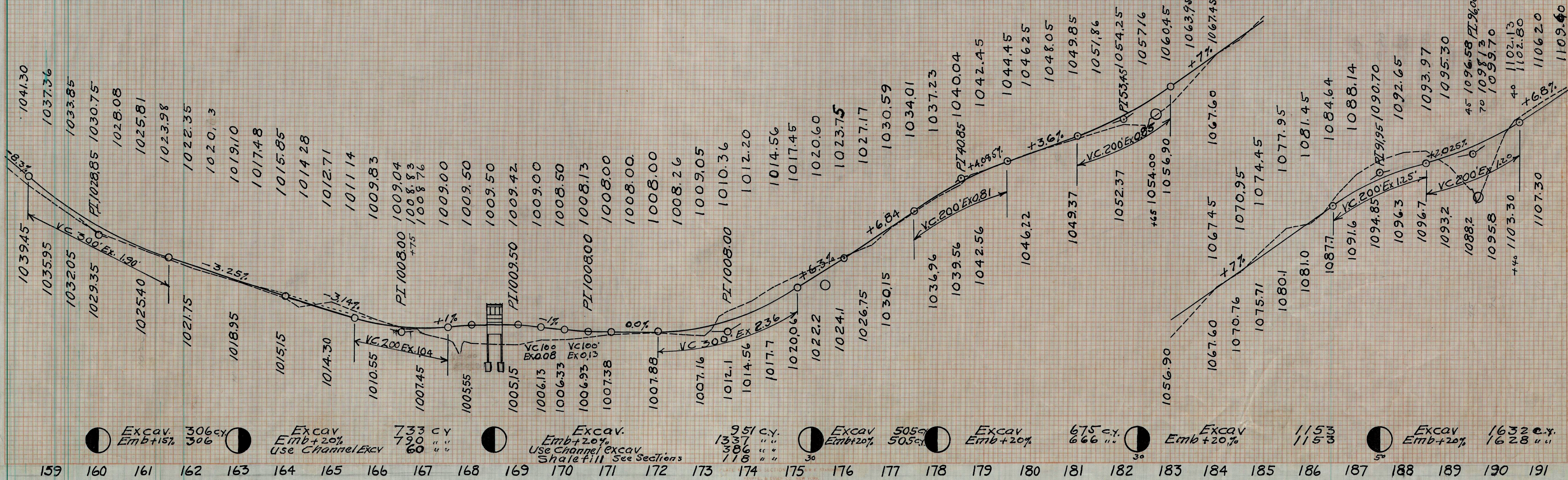
B.M. Sta. 167+25  
 2 nails in root of 16" Poplar Rt.  
 Elev. 1008.75

B.M. Sta. 171+50  
 2 nails in Hickory tree 100' Rt.  
 Elev. 1009.42

B.M. Sta. 180+50  
 2 nails in Wild Cherry Stump Right  
 Elev. 1058.37

B.M. Sta. 188+15  
 2 nails in root of Hickory 25' Rt.  
 Elev. 1101.74

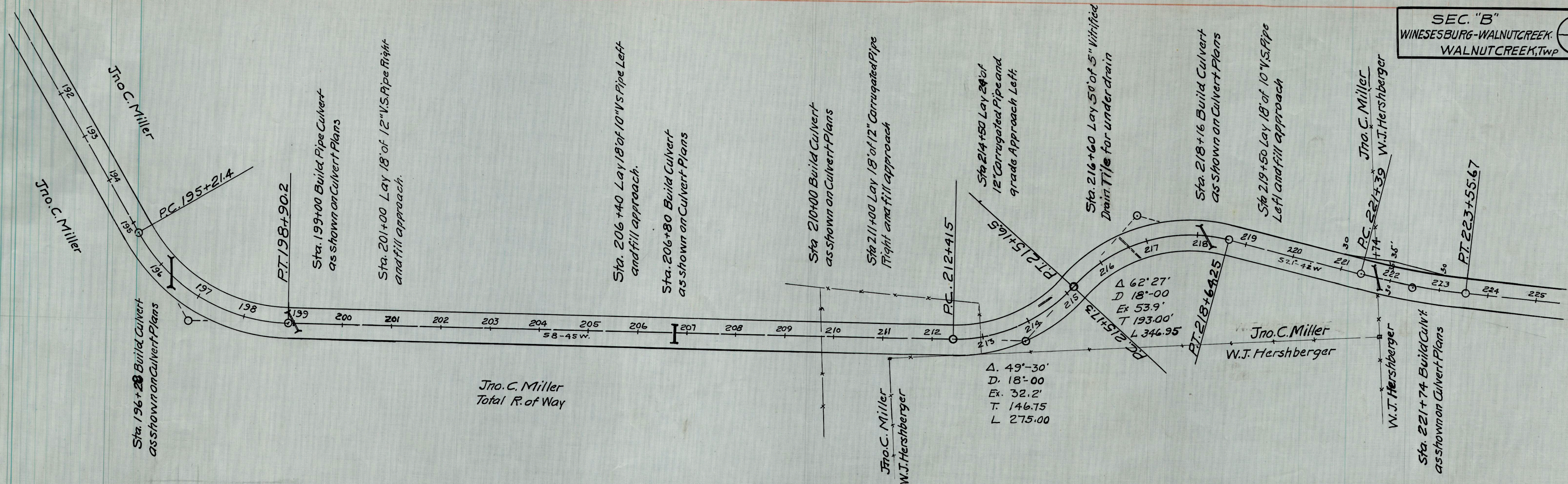
B.M. Sta. 191+00  
 2 nails in Beech 40' Left.  
 Elev. 1102.83



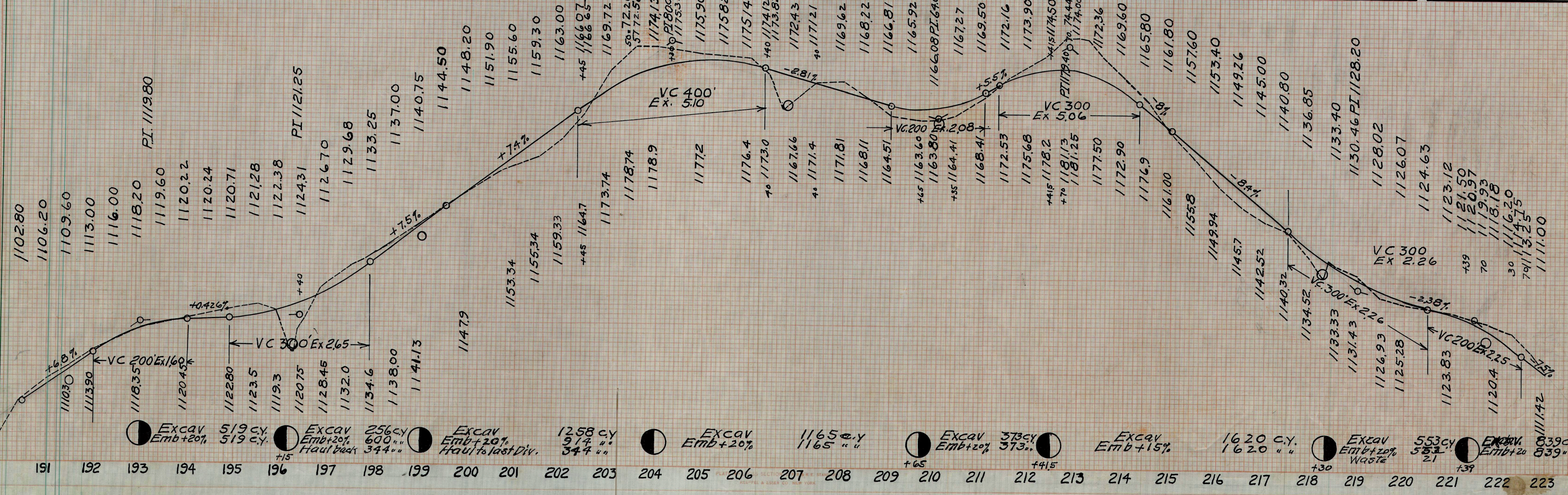
Excav. 306 cy Emb +15%      Excav. 733 cy Emb +20% Use Channel Excav      Excav. 95 cy Emb +20%      Excav. 505 cy Emb +20%      Excav. 675 cy Emb +20%      Excav. 1153 cy Emb +20%      Excav. 1632 cy Emb +20%

159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191

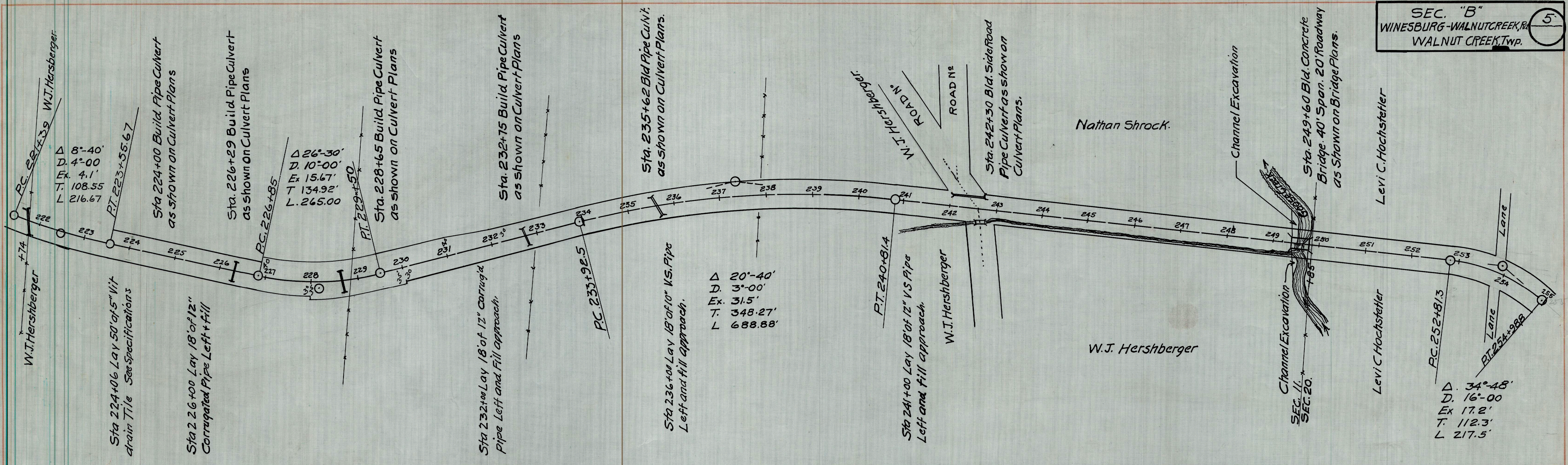




- B.M. Sta. 195+75  
2 nails in Hickory 50' R.  
Elev. 1129.00
- B.M. Sta. 197+50  
2 nails in Twin Oak 50' R.  
Elev. 1122.70
- B.M. Sta. 203+40  
1 nail in Apple 125' L  
Elev. 1184.09
- B.M. Sta. 209+80  
1 nail in Hickory 30' L  
Elev. 1169.17
- B.M. Sta. 212+95  
2 nails in Gum 30' L.  
Elev. 1182.79
- B.M. Sta. 215+35  
1 nail in Ironwood R35'  
Elev. 1155.57
- B.M. Sta. 218+00  
2 nails in Maple 100' R.  
Elev. 1126.34
- B.M. Sta. 221+50  
Spike in Ash 40' L.  
Elev. 1132.11







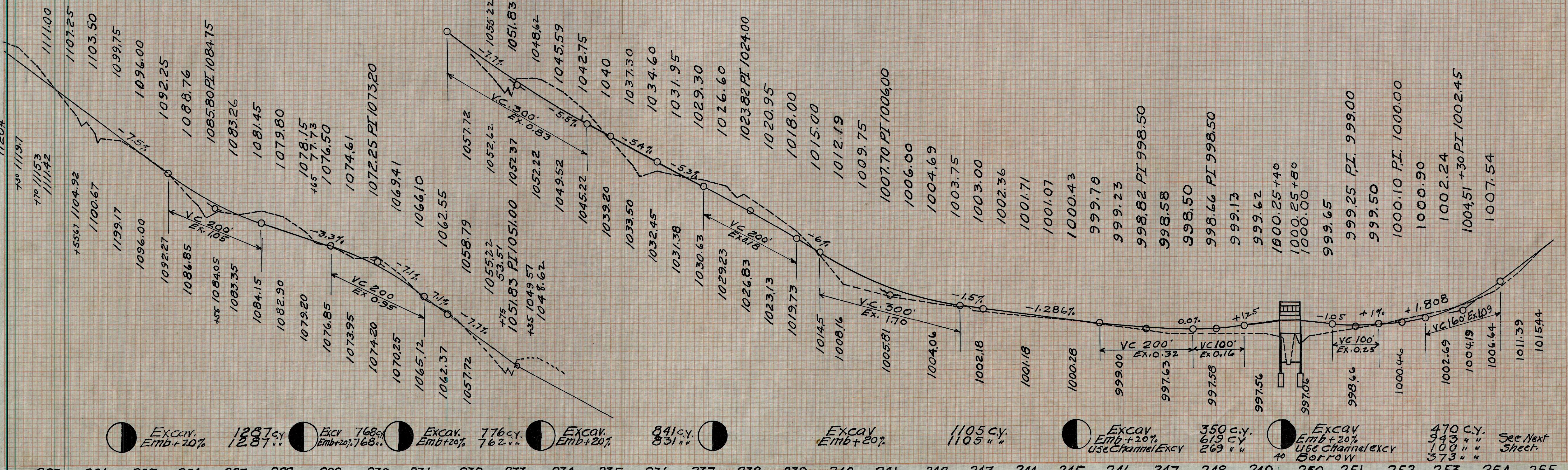
B. M. Sta. 228+50  
2 nails in maple 40' Rt.  
Elev. 1065.70.

B. M. Sta. 232+00  
2 nails in Elm of fence Left.  
Elev. 1059.33

B. M. Sta. 242+65  
□ Top of Conc. Slab S.E. Cor. Bldg. R.  
Elev. 1003.34

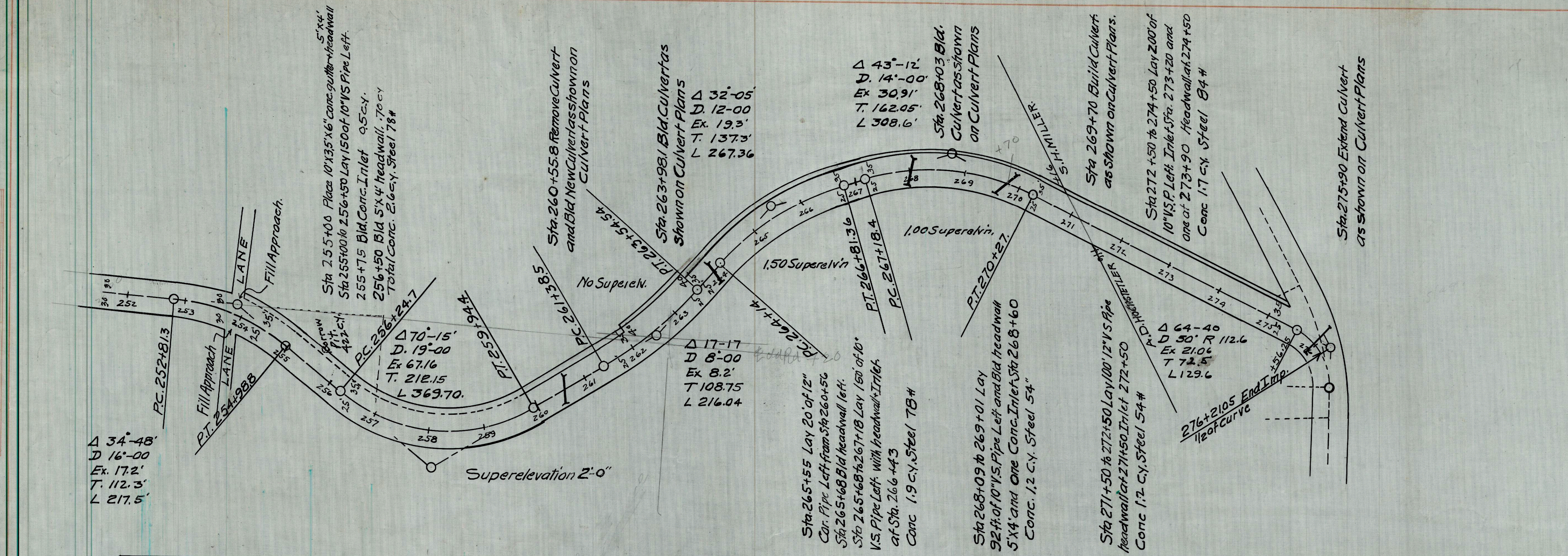
B. M. Sta. 249+40  
top of Abutment N.E. Cor. Old Bldg.  
Elev. 997.60

B. M. Sta. 253+80  
2 nails in 8" Elm tree 26' L.  
Elev. 1007.87



Excav. Emb+20% 1287 c.y. 1287"  
Excav. Emb+20% 768 c.y. 768"  
Excav. Emb+20% 776 c.y. 762"  
Excav. Emb+20% 841 c.y. 831"  
Excav. Emb+20% 1105 c.y. 1105"  
Excav. Emb+20% Use Channel Excy 350 c.y. 619 cy 269 cu ft  
Excav. Emb+20% Use Channel excy Borrow 470 c.y. 943 cu ft 100 cu ft 373 cu ft





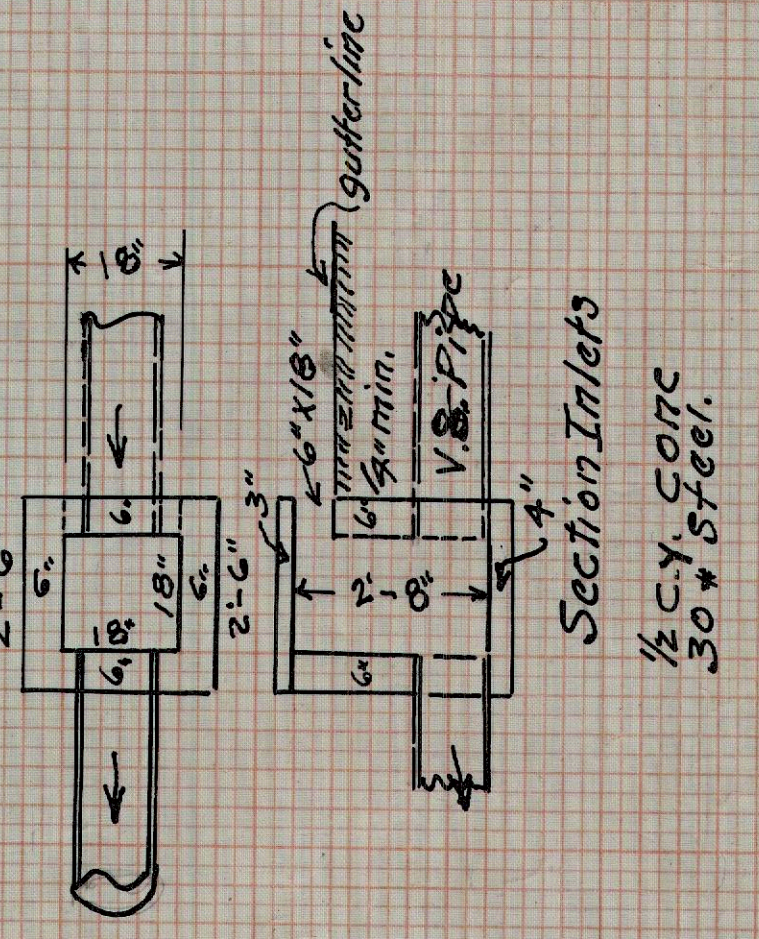
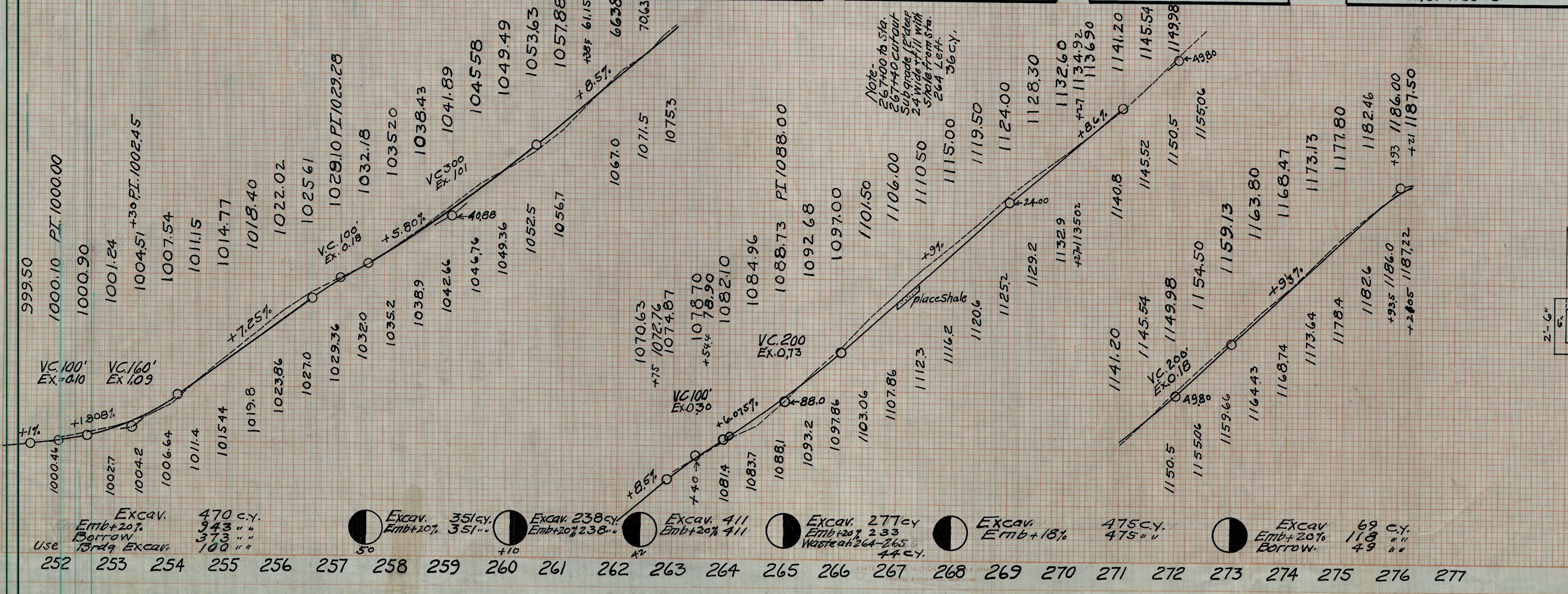
B. M. Sta. 253+80  
2 nails in 8" Elm 26' Left.  
Elev. 1007.87

B. M. Sta. 262+60  
2 nails in Wild Cherry Rt.  
Elev. 1073.48

B. M. Sta. 268+80  
Top of P.I. Hub. Left.  
Elev. 1128.48

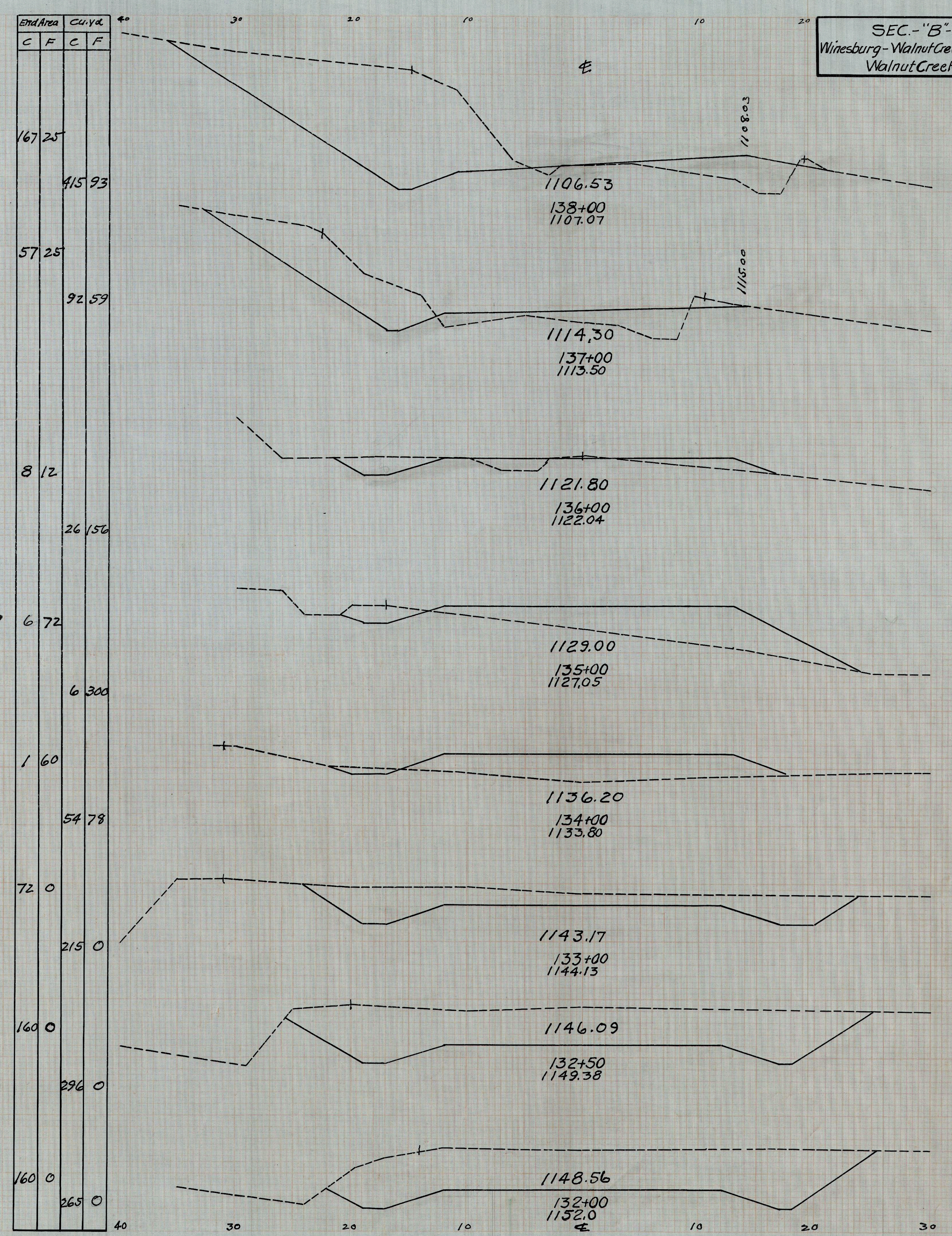
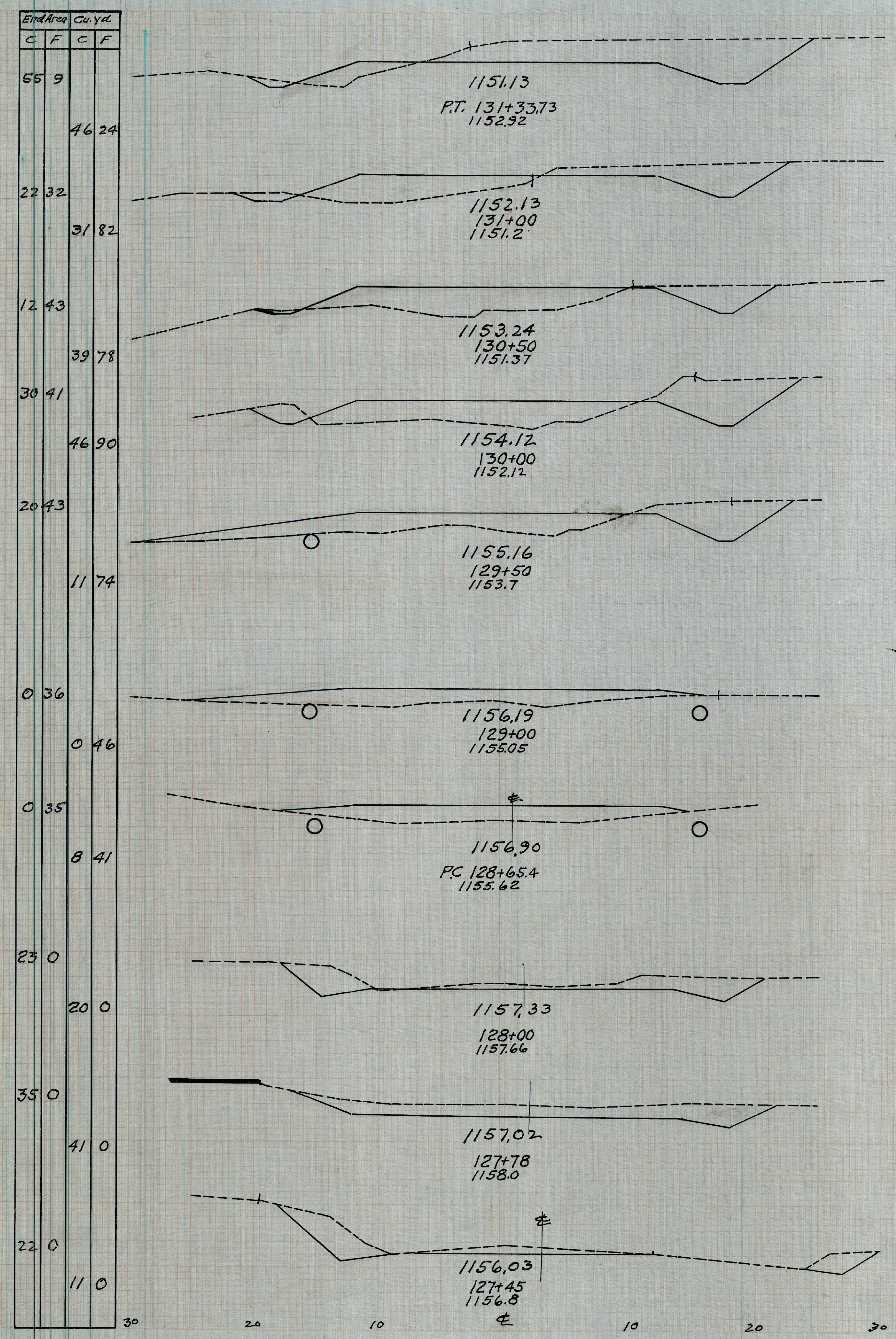
B. M. Sta. 271+50  
2 nails Top in 2" Post Rt.  
Elev. 1143.78

B. M. Sta. 276+50  
Top Iron Catch at barn S.E. Cor.  
Elev. 1185.78.



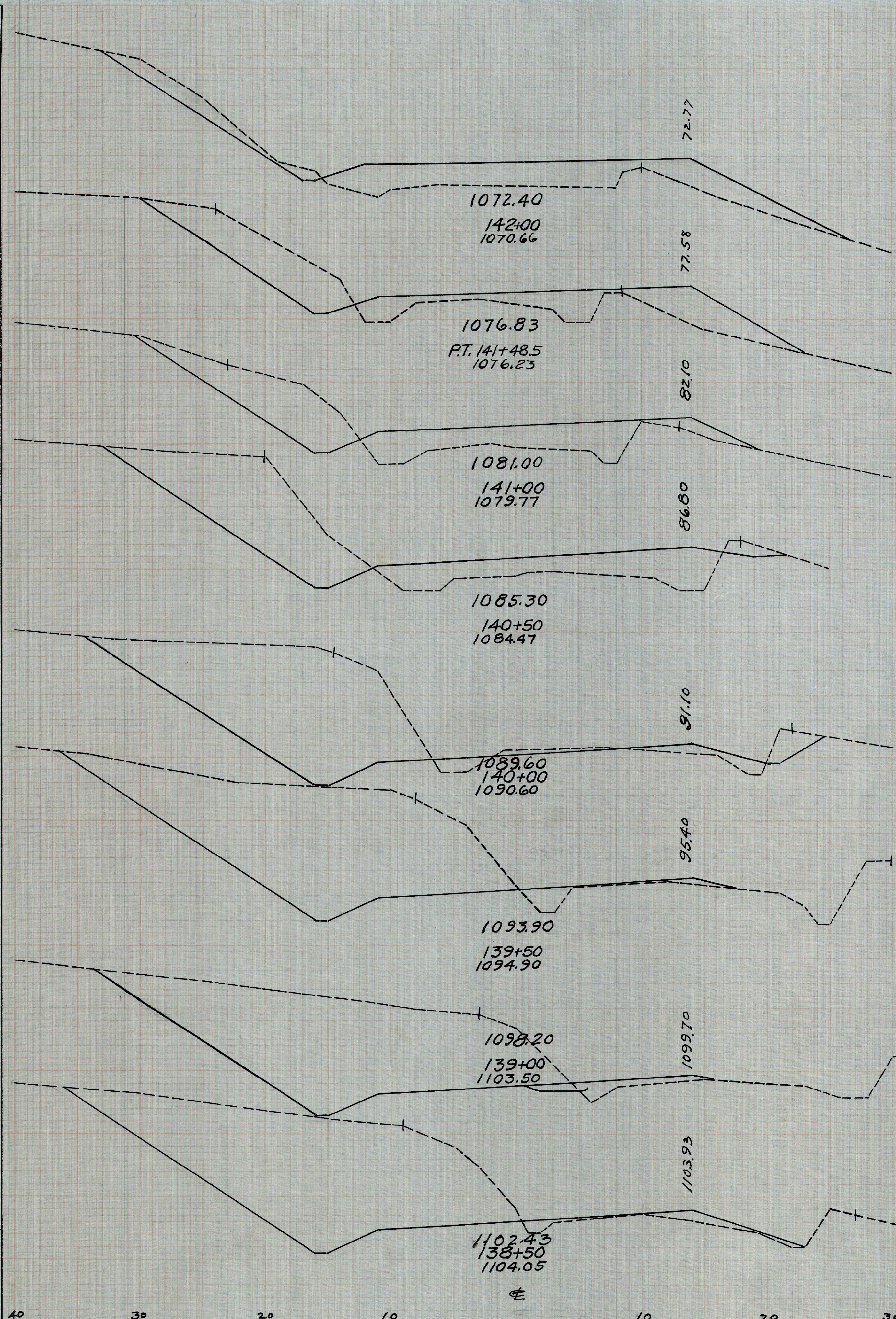
Excav. 470 c.y.	Excav. 351 c.y.	Excav. 238 c.y.	Excav. 411	Excav. 277 c.y.	Excav. 475 c.y.	Excav. 69 c.y.
Emb+20% 943	Emb+20% 351	Emb+20% 238	Emb+20% 411	Emb+20% 233	475	Emb+20% 118
Borrow 373				Waste at 264-265 44 c.y.		Borrow 49
Use 13rd q Excav. 300						



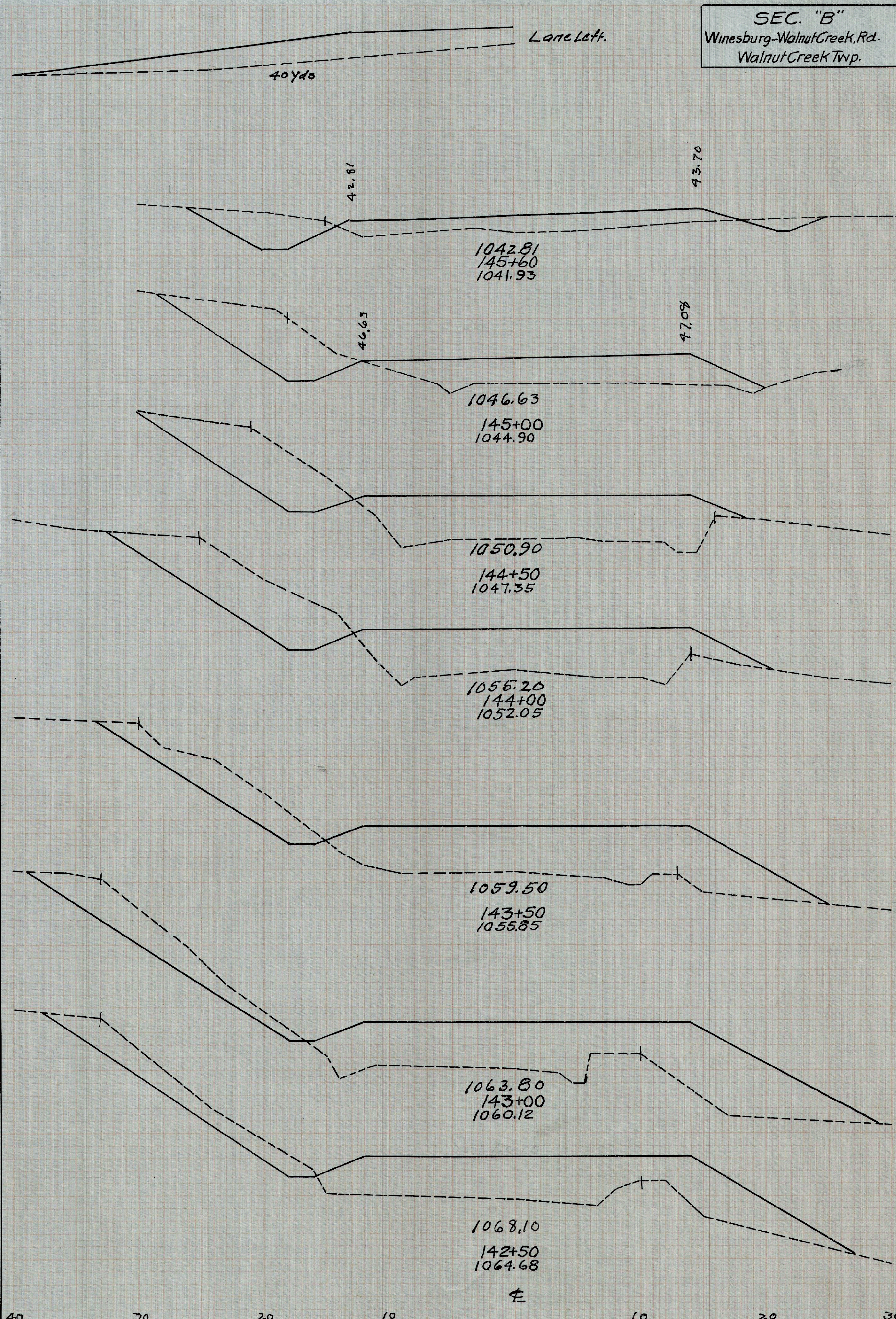




End Area		Cu. Yd.	
C	F	C	F
16	70		
		56	111
45	50		
		85	93
47	50		
		128	94
91	51		
		239	58
168	10		
		356	19
215	10		
		385	17
202	9		
		394	17
225	9		
		363	32



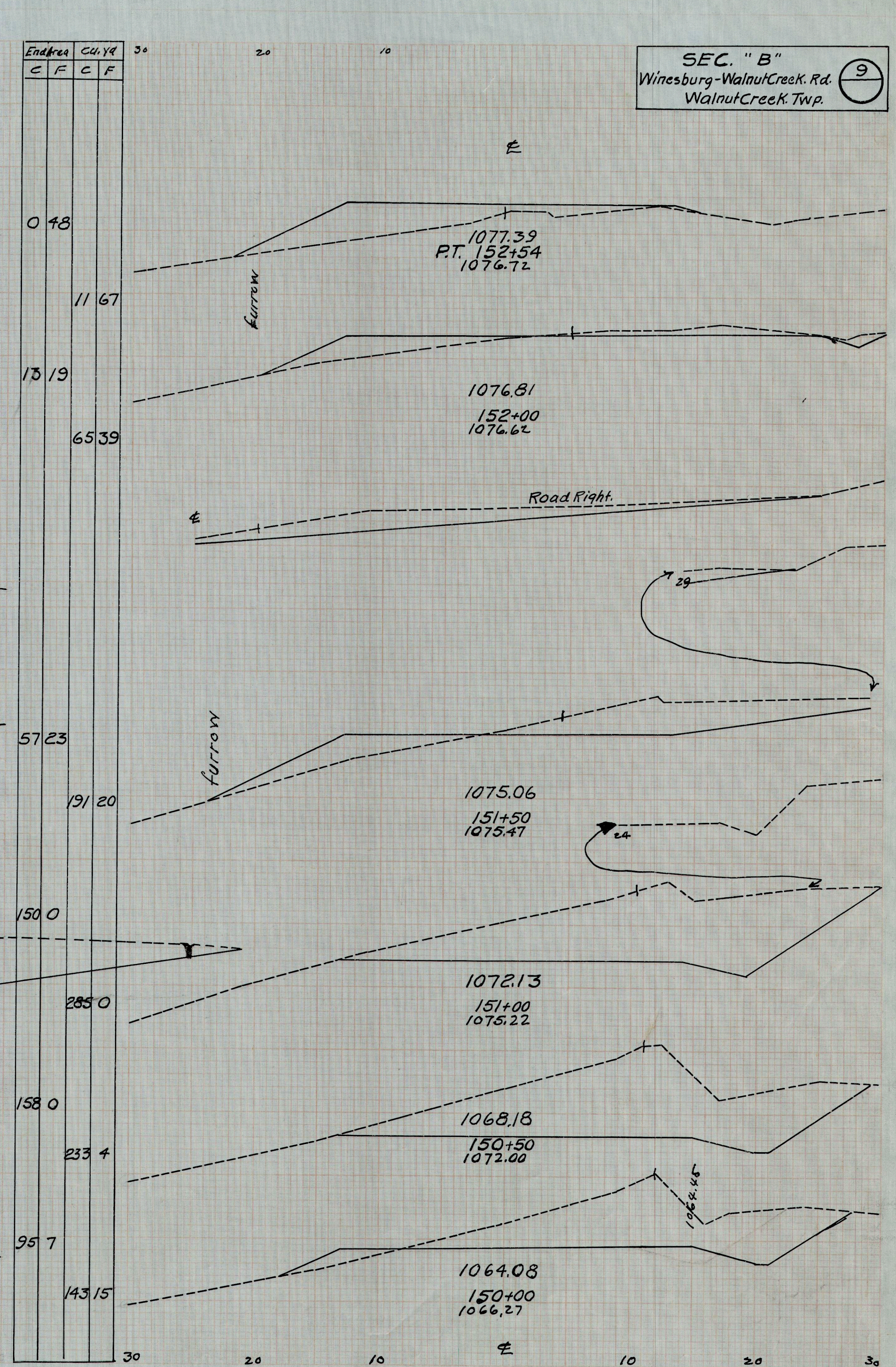
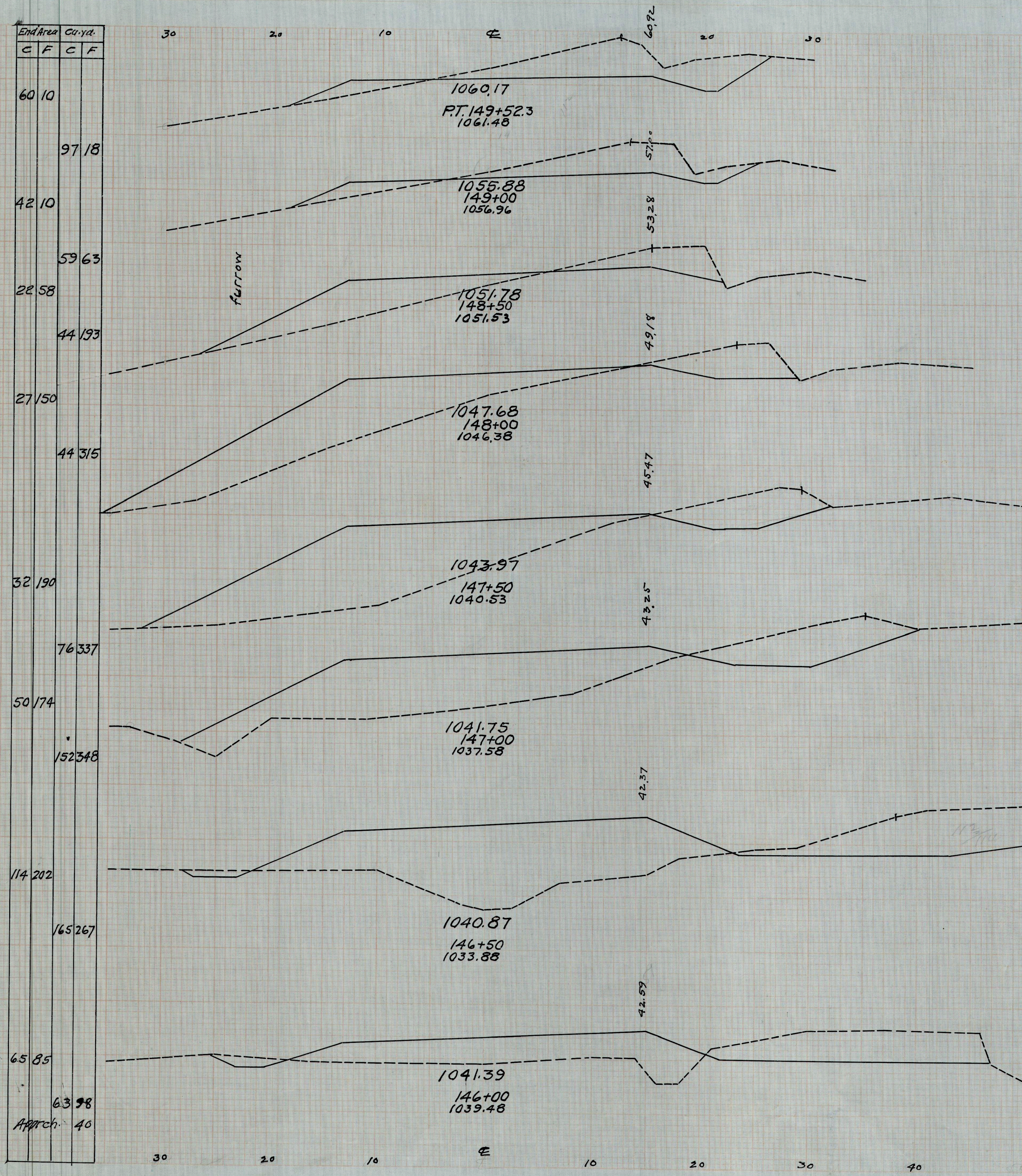
End Area		Cu. Yd.	
C	F	C	F
		40	
20	46		
		74	114
42	56		
		85	142
50	98		
		98	187
57	103		
		82	220
32	135		
		65	272
38	158		
		69	259
37	127		
		49	178



SEC. "B"  
Winesburg-Walnut Creek Rd.  
Walnut Creek Twp.

8



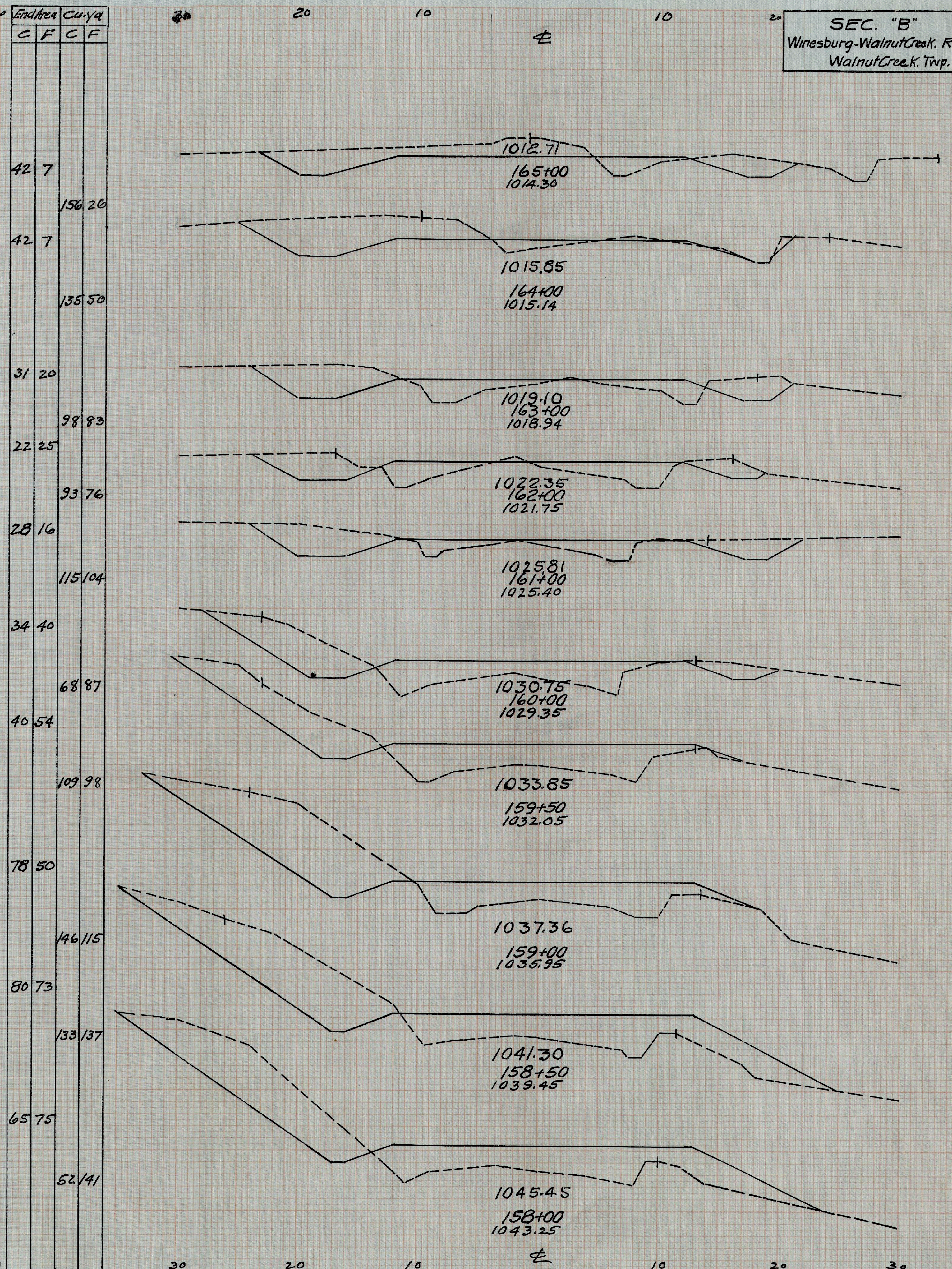
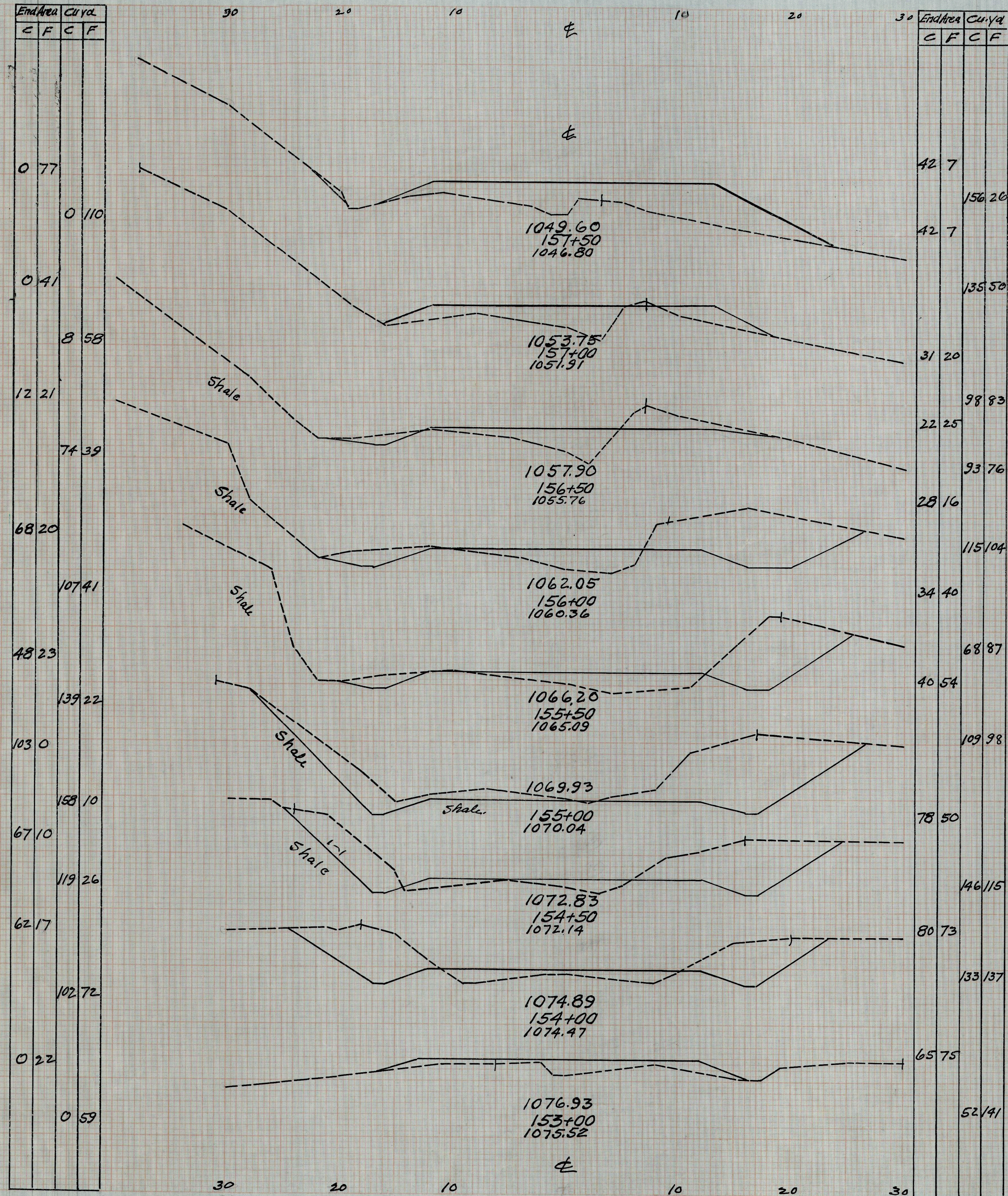


CORRECTION  
 SURVEY PLATTER  
 NOTE BOOK NUMBER  
 DATE



SEC. "B"  
 Winesburg-Walnut Creek Rd.  
 Walnut Creek Twp.

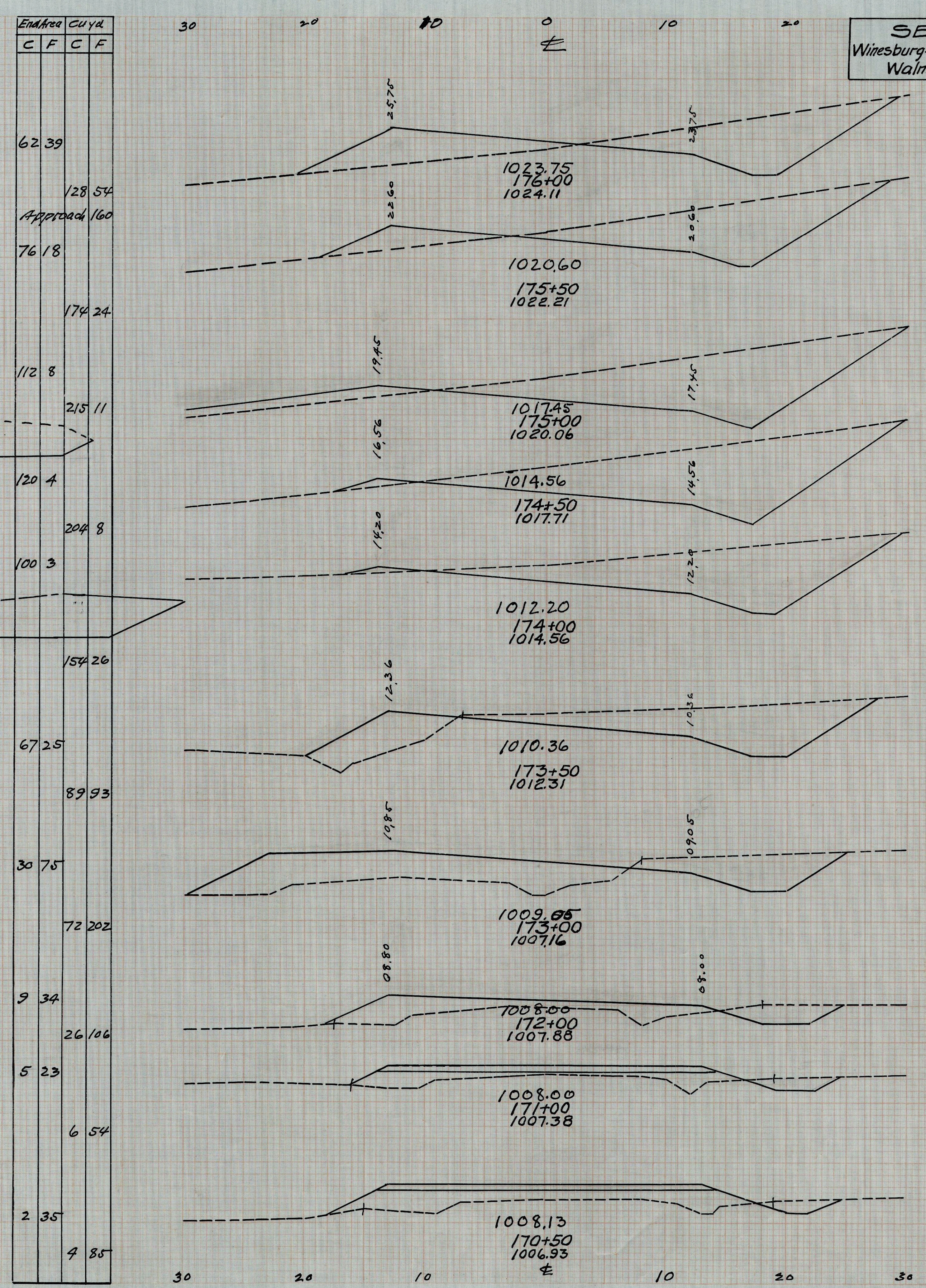
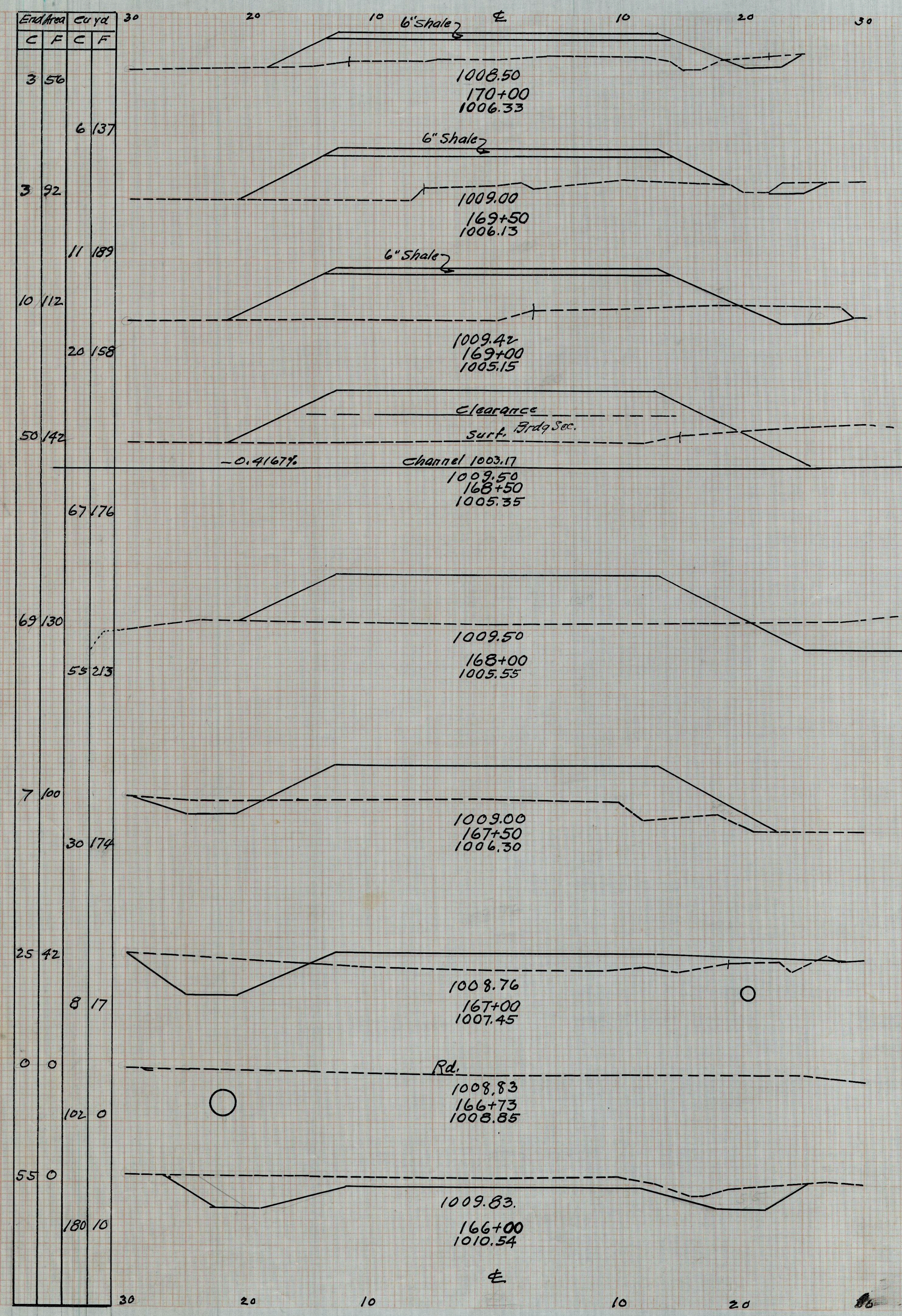
10  
28



CONTINUED FROM PREVIOUS SHEET  
 SURVEYED BY  
 DATE  
 SCALE  
 DRAWN BY  
 CHECKED BY  
 APPROVED BY

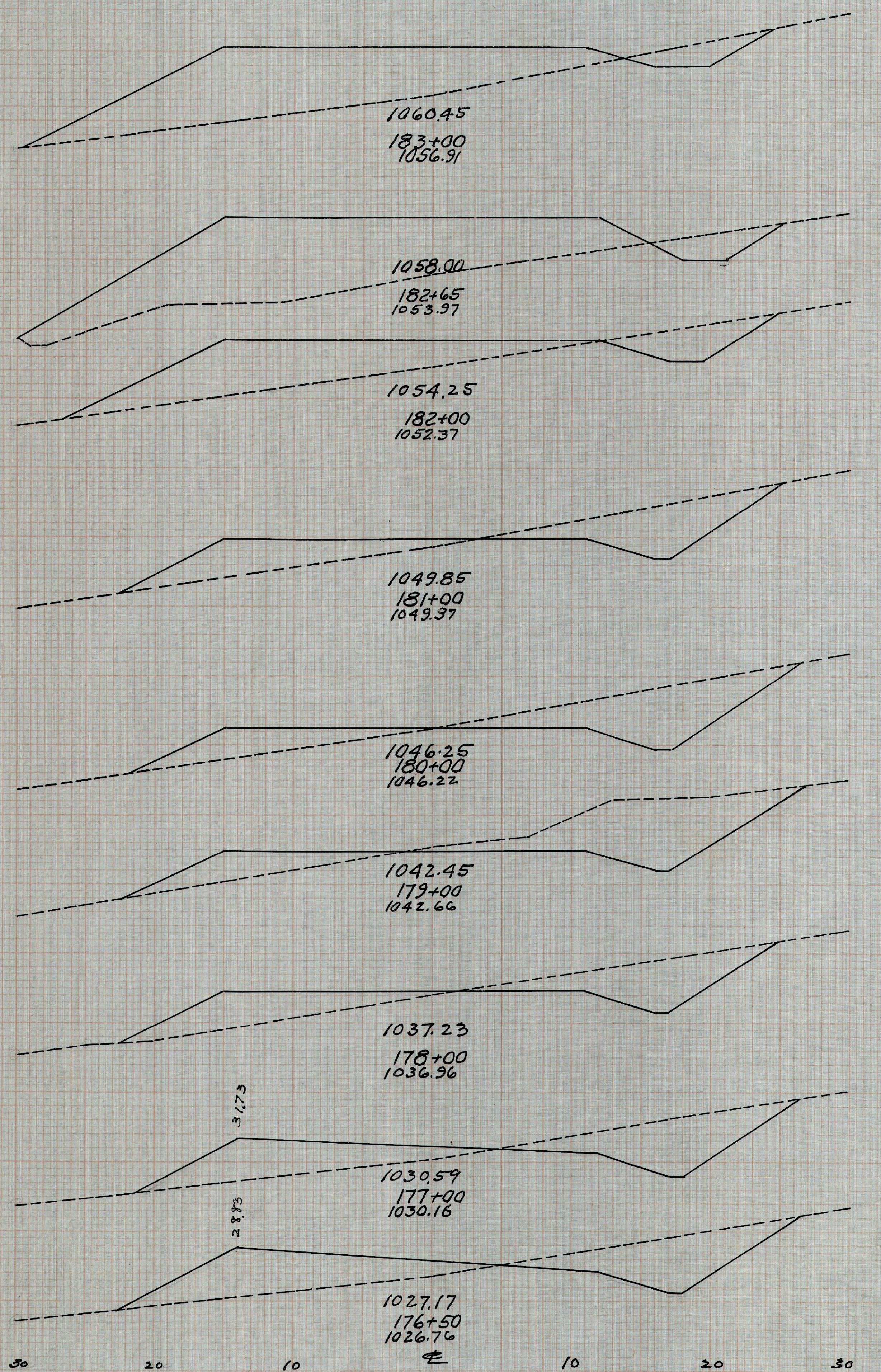


SEC. "B"  
 Winesburg-Walnut Creek Rd.  
 Walnut Creek Twp. 11  
28

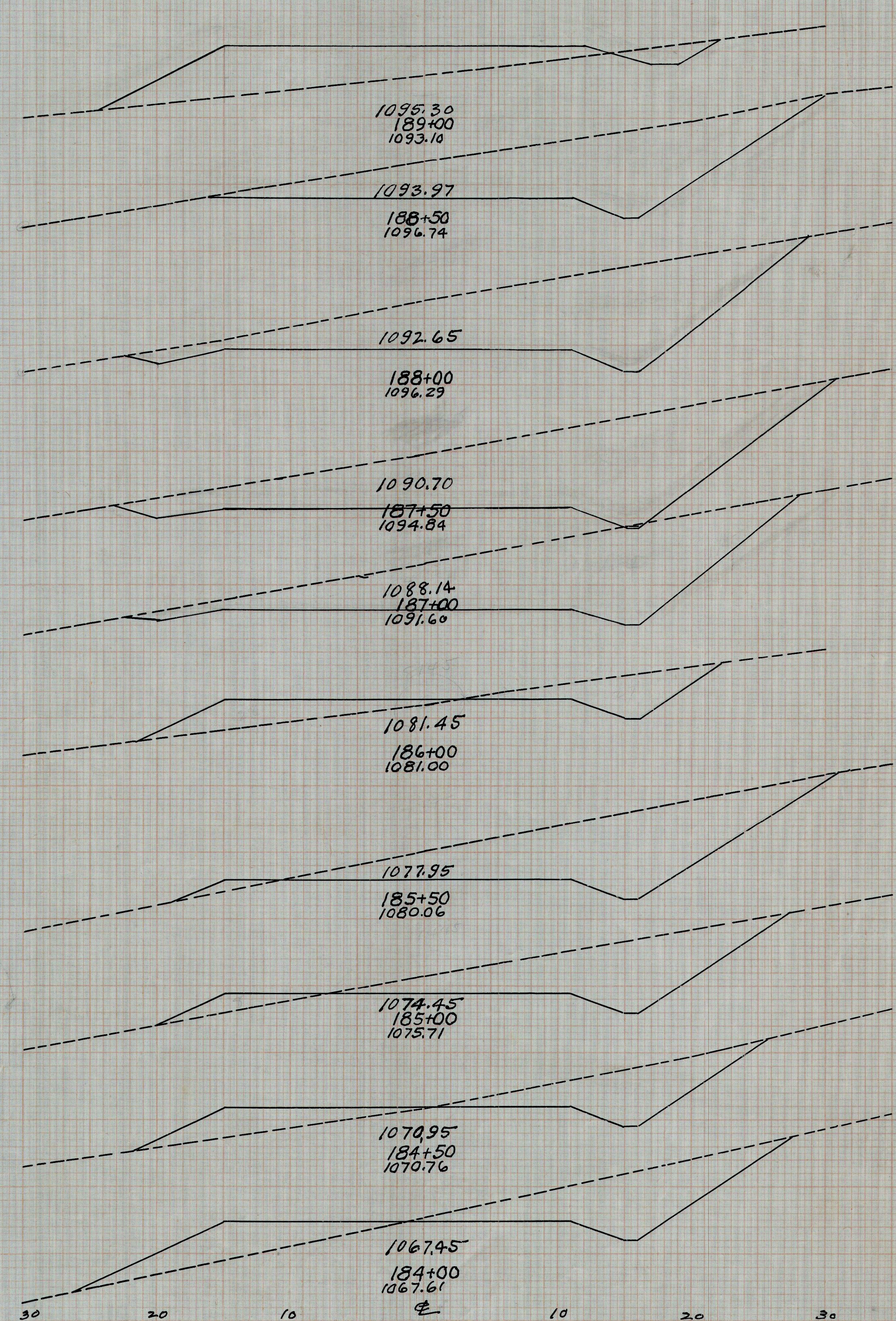




Erad Area		Cu. Yd.	
C	F	C	F
11	113		
		13	187
16	175		
		18	307
15	80		
		98	219
37	38		
		161	122
50	28		
		213	98
65	25		
		194	111
40	35		
		148	139
41	40		
		74	85
40	52		
		94	85

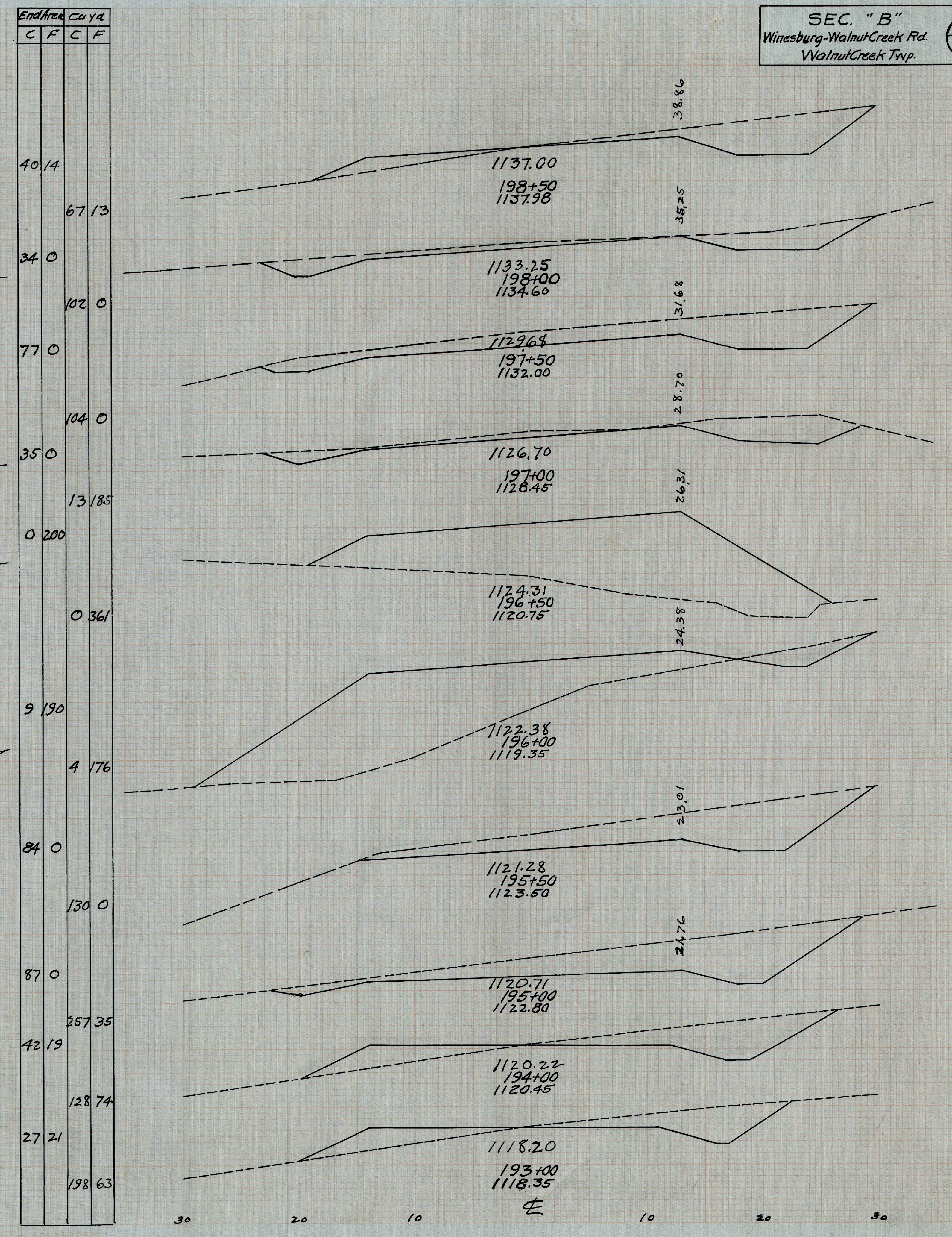
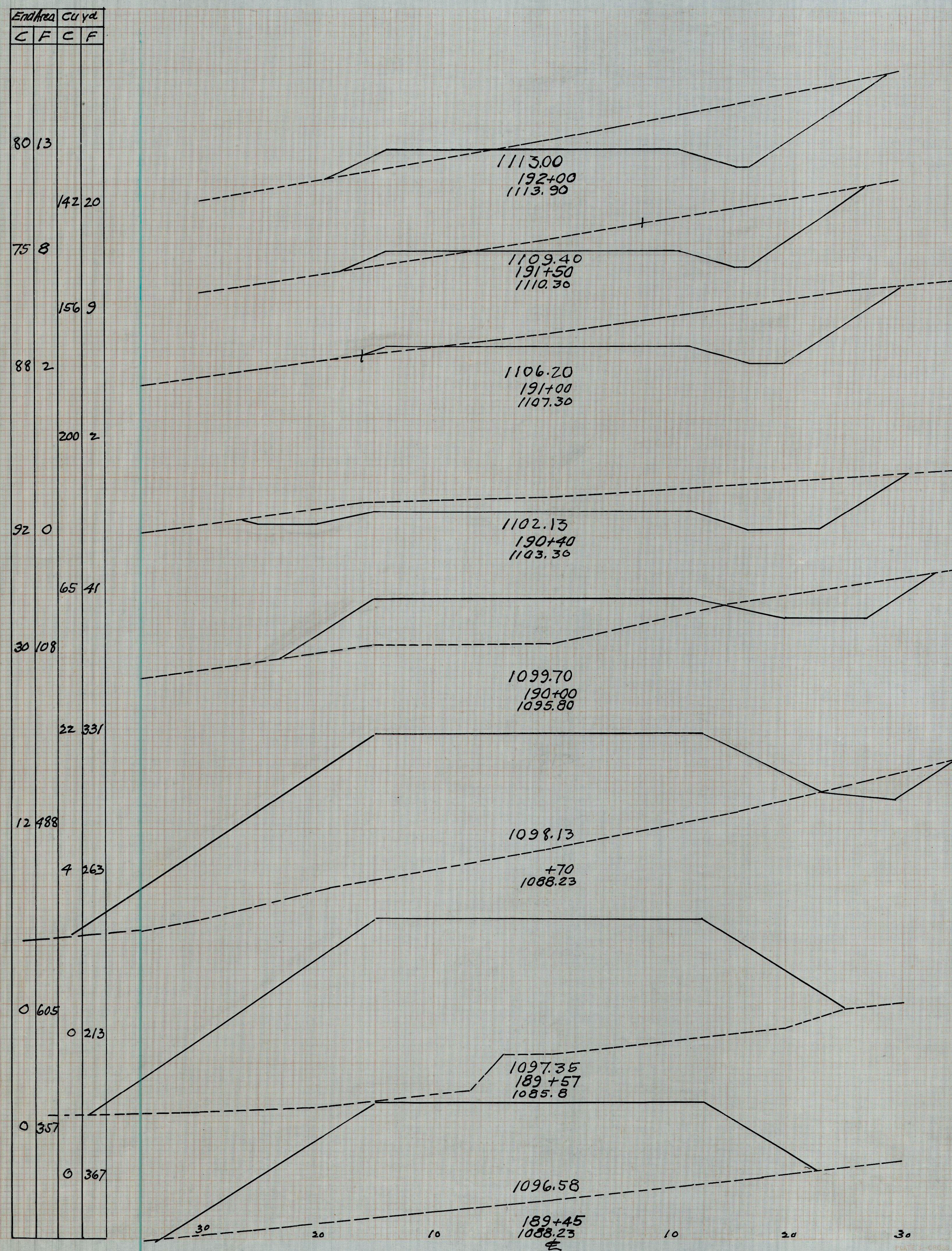


Erad Area		Cu. Yd.	
C	F	C	F
5	83		
		78	46
131	0		
		283	0
175	0		
		335	0
206	0		
		339	0
160	0		
		346	52
27	28		
		135	30
120	5		
		187	11
82	8		
		120	30
47	24		
		102	67
65	48		
		141	291



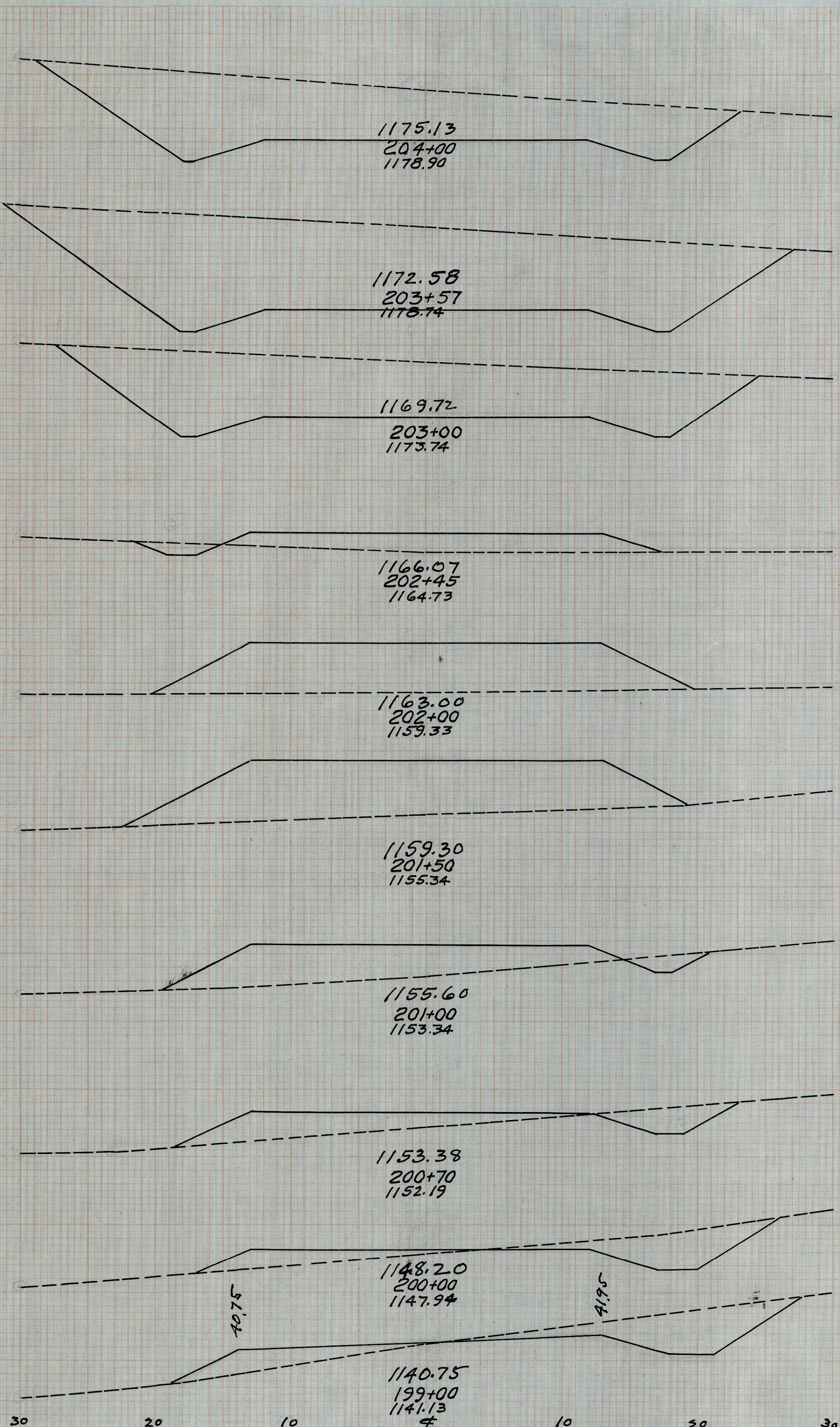
FINAL SURVEY PARTIAL  
 NO. DATA CHECKED



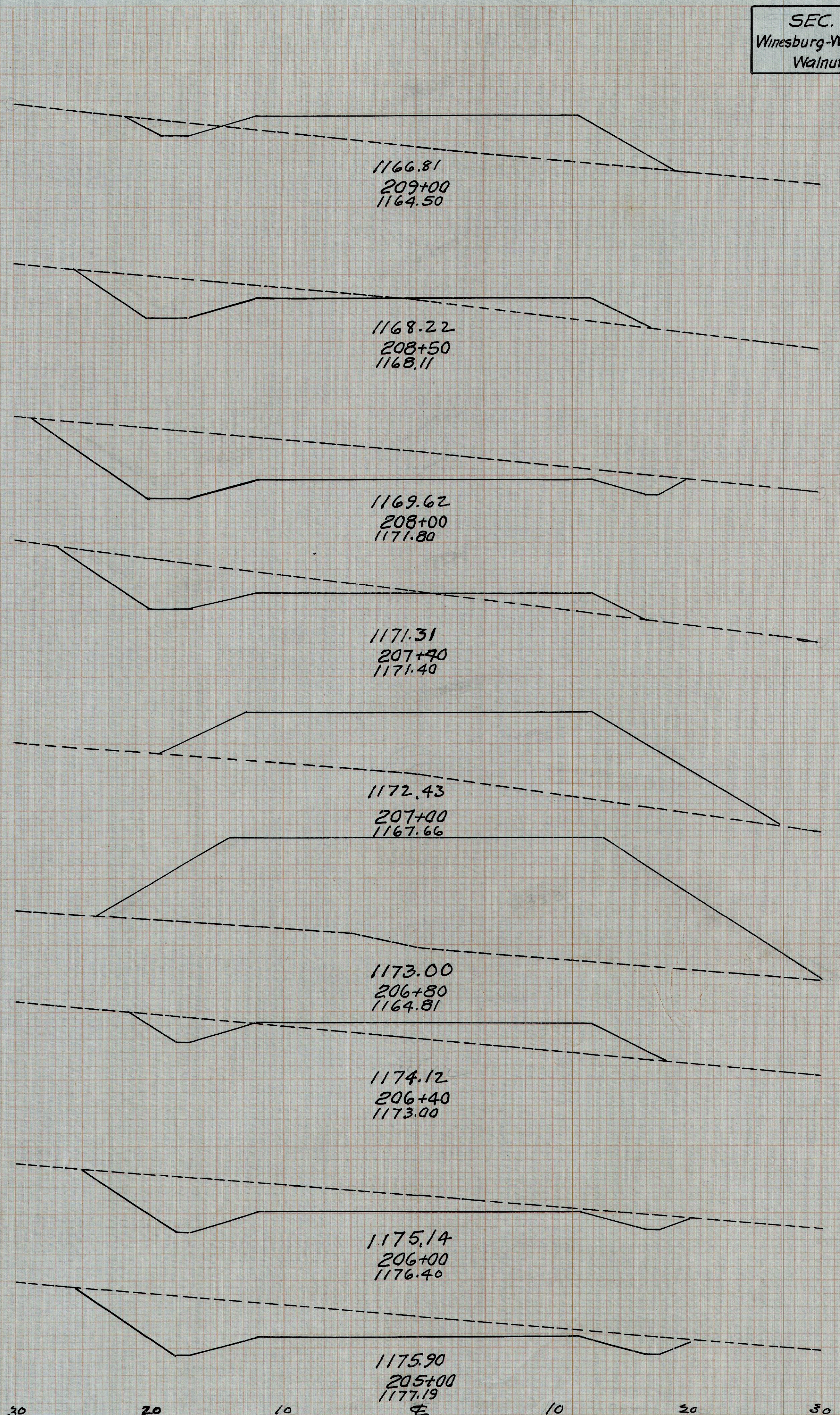




End Area	Curd	
	C	F
1870		
3960		
3100		
5390		
2000		
14813		
340		
2135		
0122		
0241		
0138		
2193		
469		
958		
1235		
4865		
2615		
11657		
3715		
7030		

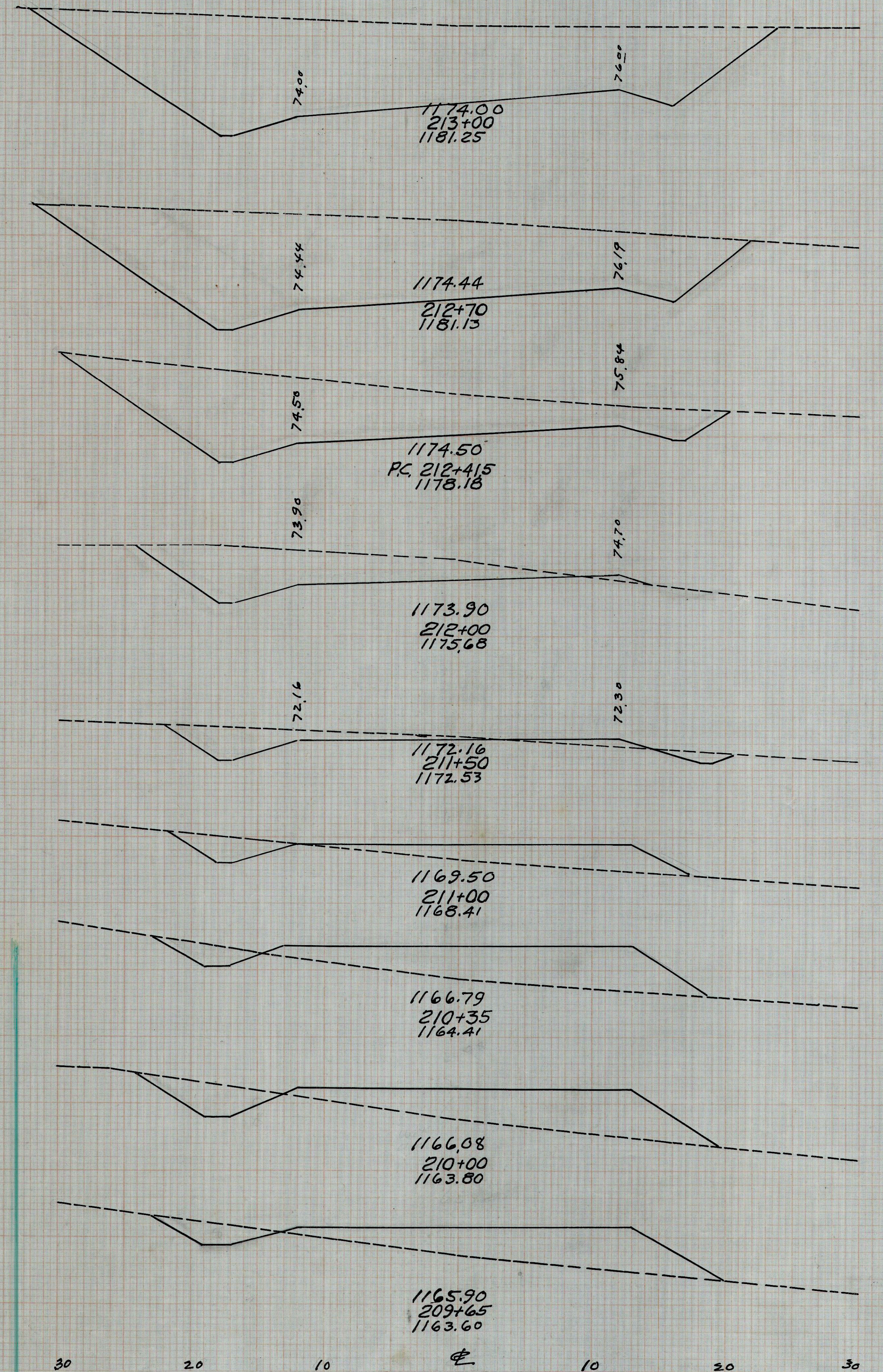


End Area	Curd	
	C	F
468		
3380		
3217		
13215		
1110		
1688		
4111		
19148		
0192		
0194		
0333		
0272		
835		
5426		
650		
2590		
750		
4850		

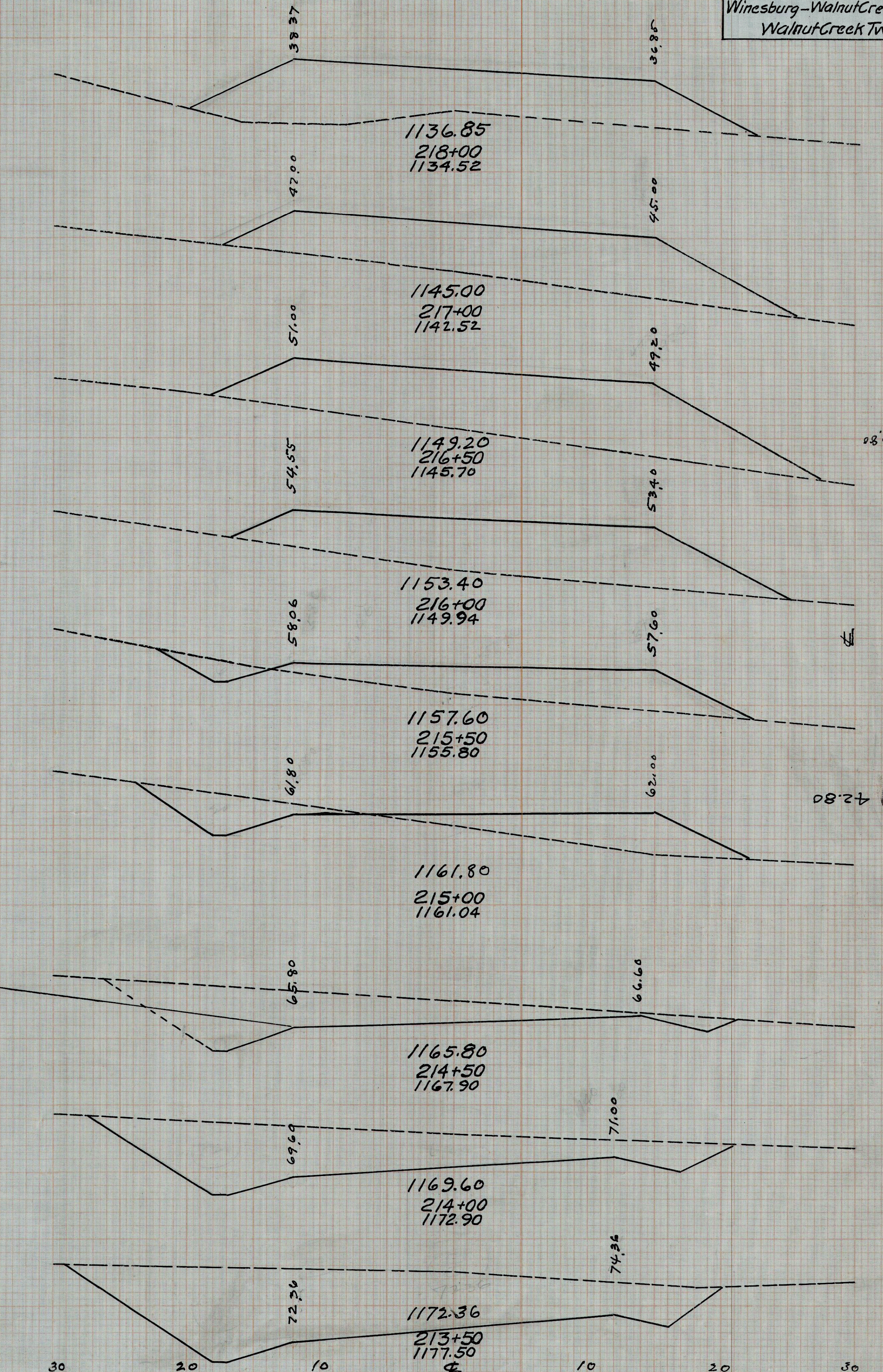




End Area	Cu Yd
C F C F	
397 0	
322 0	
281 0	
165 0	
211 0	
63 2	
82 6	
24 4	
32 34	
10 32	
22 106	
7 55	
13 80	
14 68	
13 85	
8 63	
15 157	



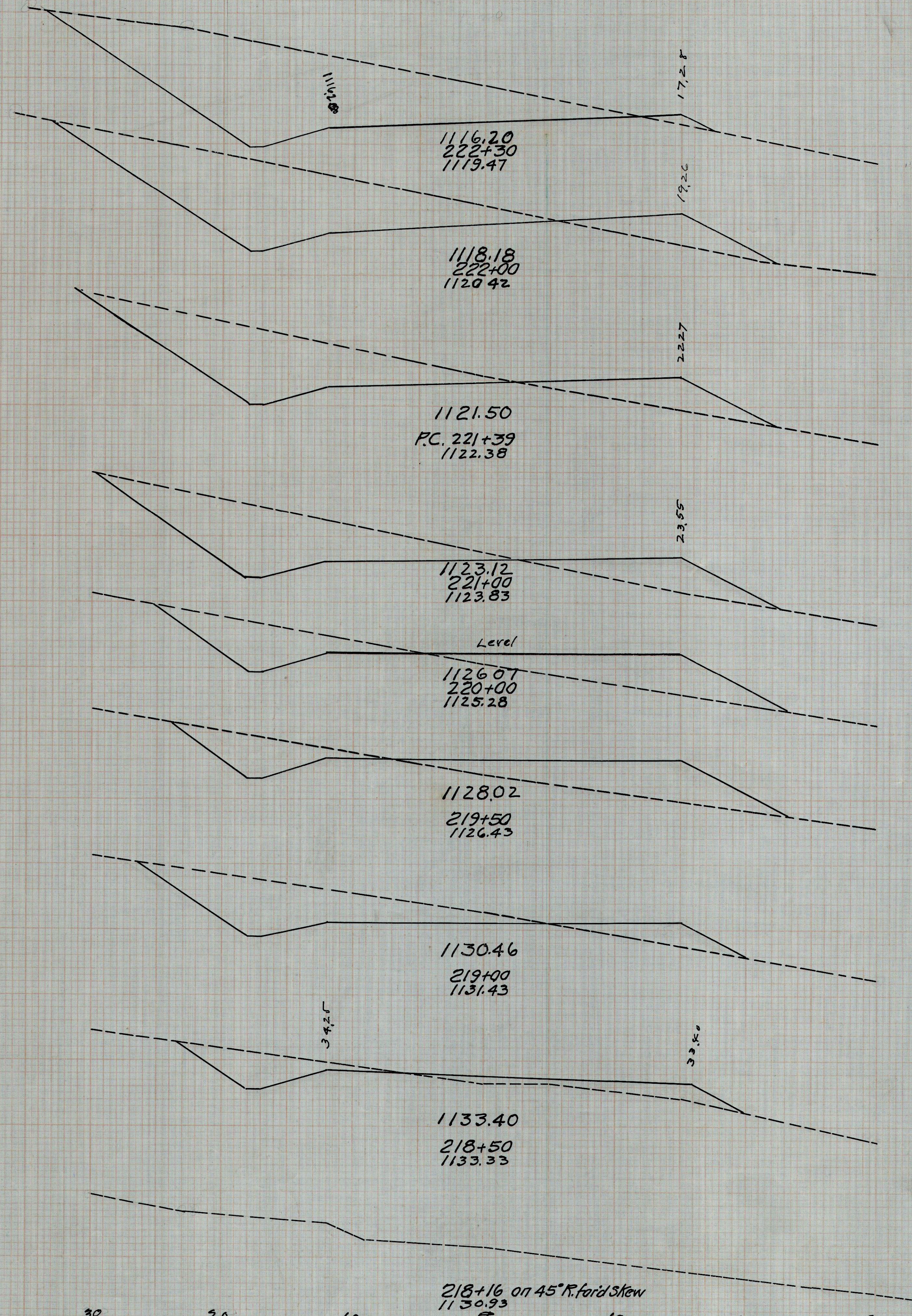
End Area	Cu Yd
C F C F	
0 148	
0 192	
+50 0 57	
0 178	
0 134	
0 280	
0 169	
0 283	
0 138	
2 192	
6 69	
24 102	
20 43	
78 39	
80 0	
APPL 50 00	
170 0	
121 0	
285 0	
187 0	
448 0	



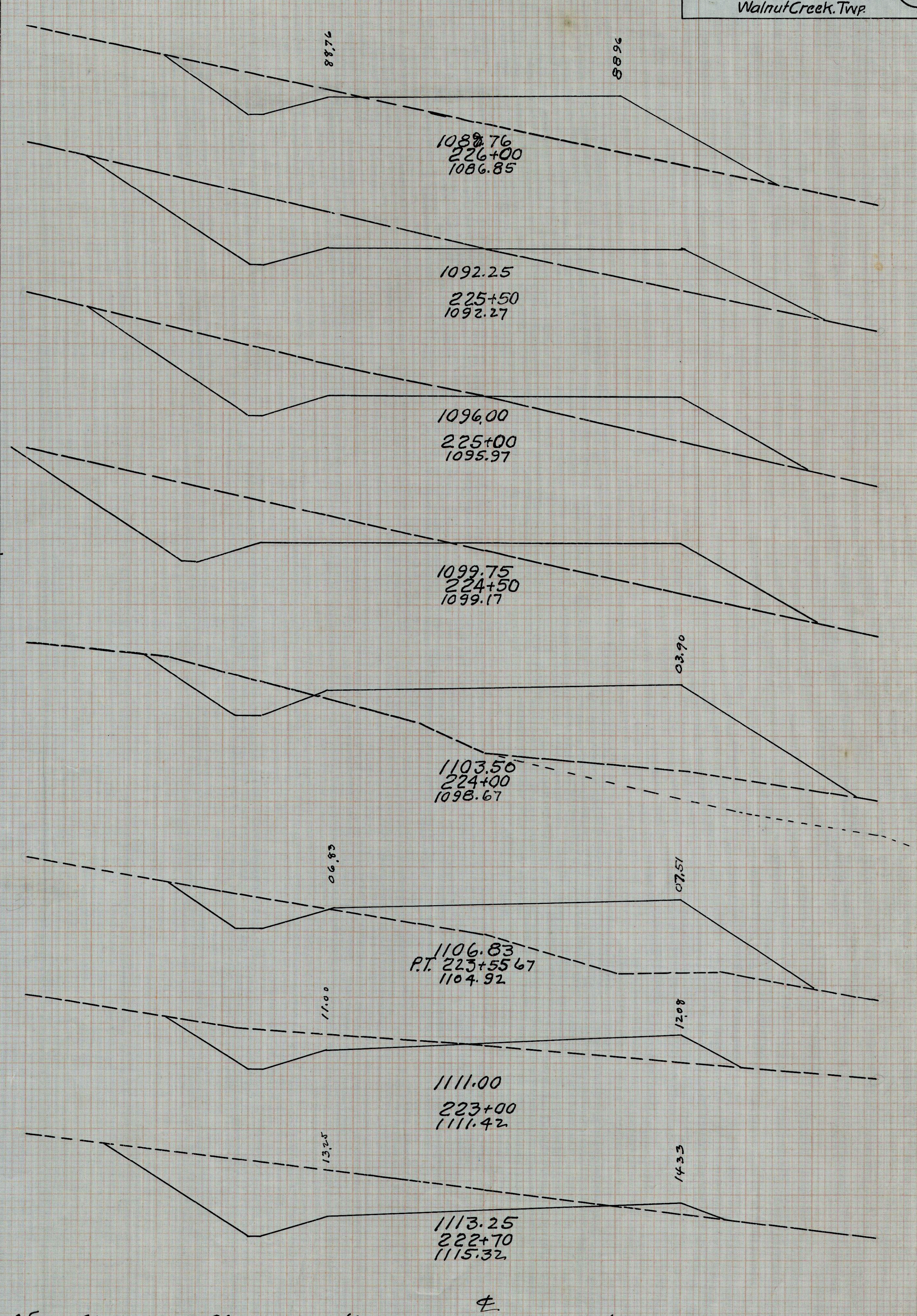
40.88
40.88
42.80
1140.80
217+50
1146.52



End Area		Cu. Yd.	
C	F	C	F
170	4		
		165	15
126	22		
		241	54
92	25		
		128	39
85	28		
		220	130
34	42		
		52	87
23	57		
		72	61
56	15		
		70	34
20	20		
		19	152



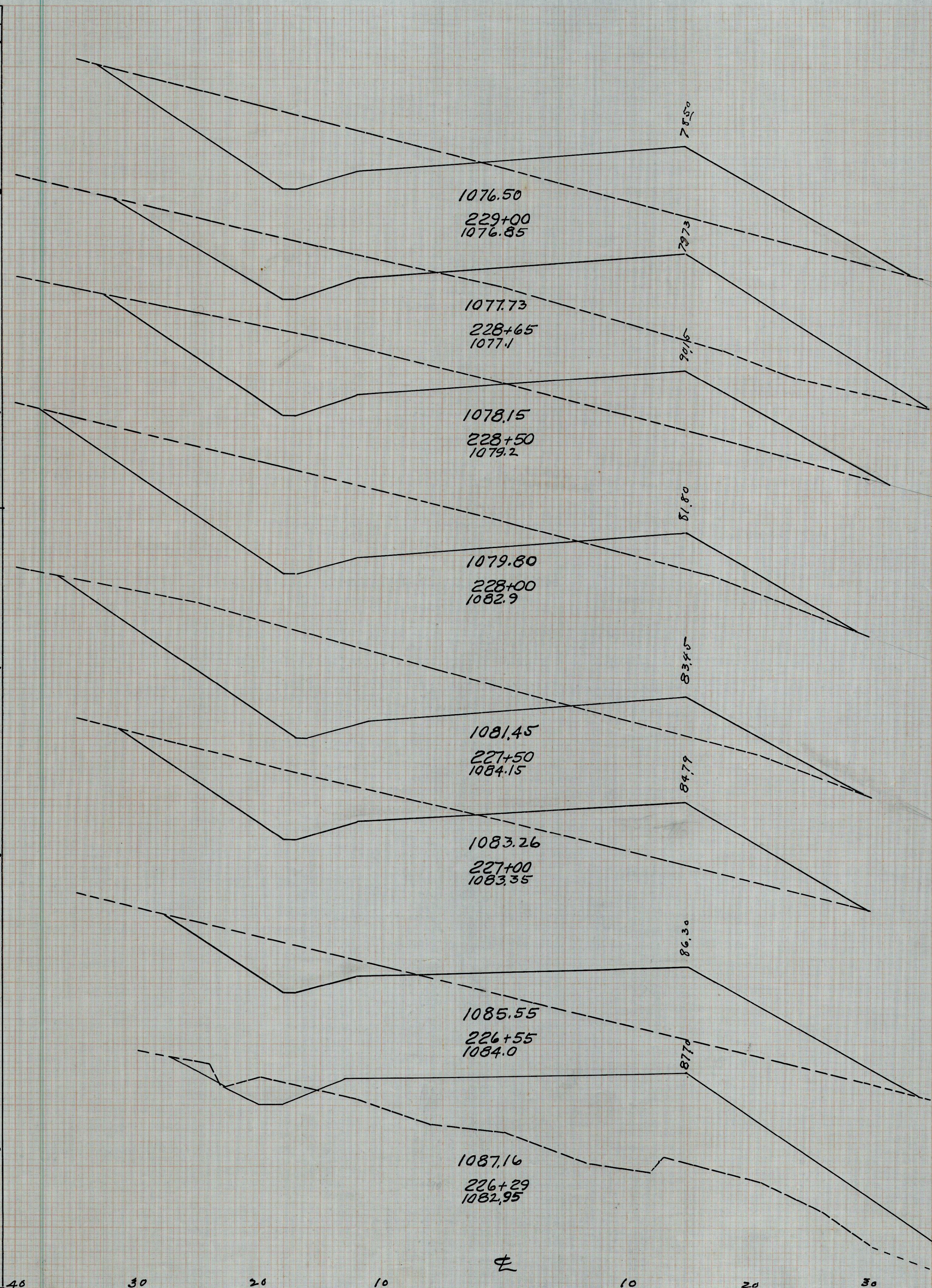
End Area		Cu. Yd.	
C	F	C	F
22	72		
		87	104
72	40		
		132	79
71	45		
		147	94
90	56		
		102	235
20	163		
		28	230
16	112		
		35	141
30	24		
		70	17
97	5		
		198	8



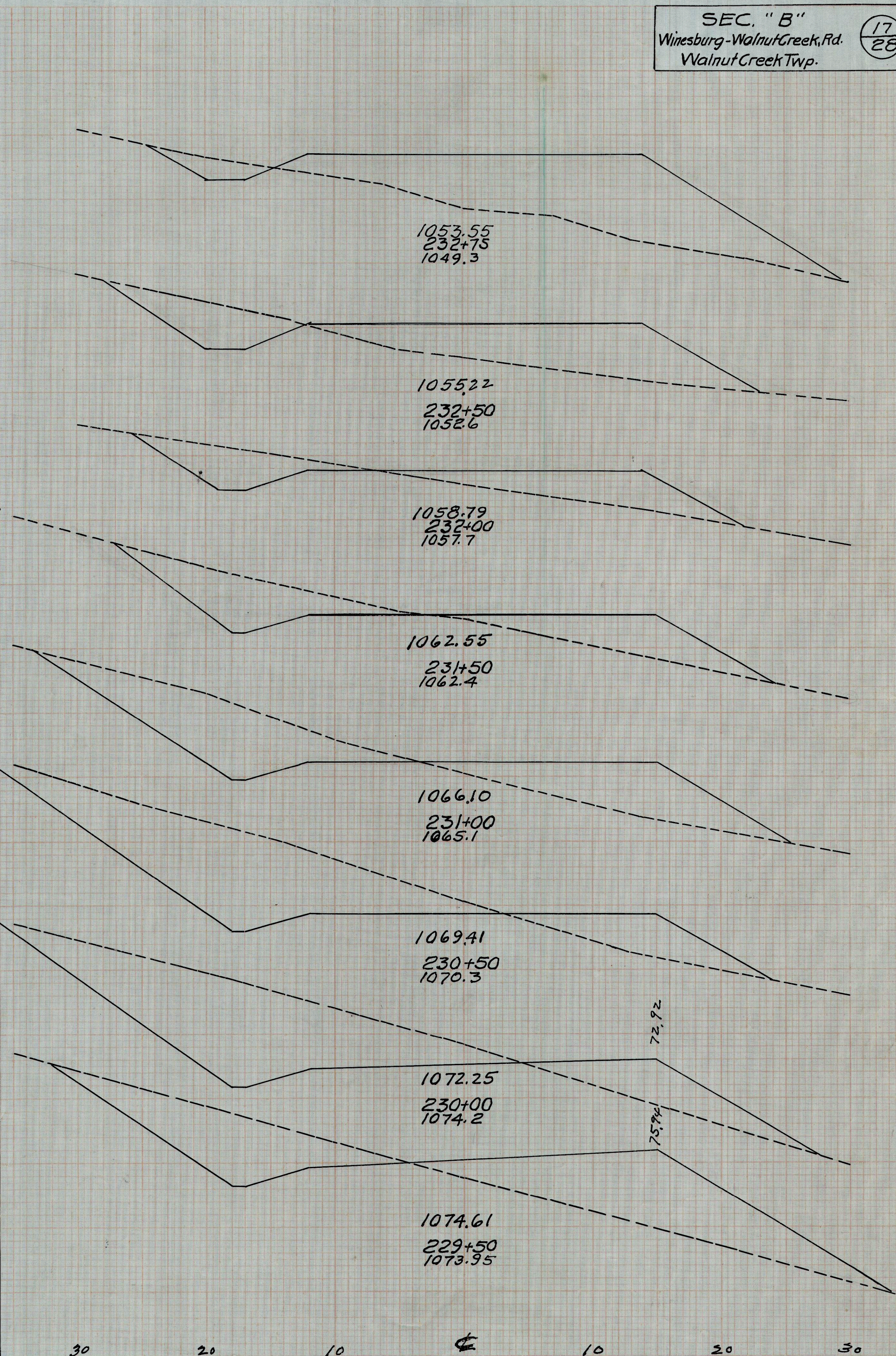
ORIGINAL SURVEY  
 REPRODUCED FROM  
 PLANS OF THE  
 WINEBURG-WALNUT CREEK ROAD  
 PROJECT  
 DATE: 1952



End Area		Cu. Yd.	
C	F	C	F
92	102		
98	159		
58	145		
46	61		
105	75		
263	100		
180	34		
328	65		
175	36		
231	113		
75	85		
98	176		
40	126		
22	174		
8	250		
17	176		

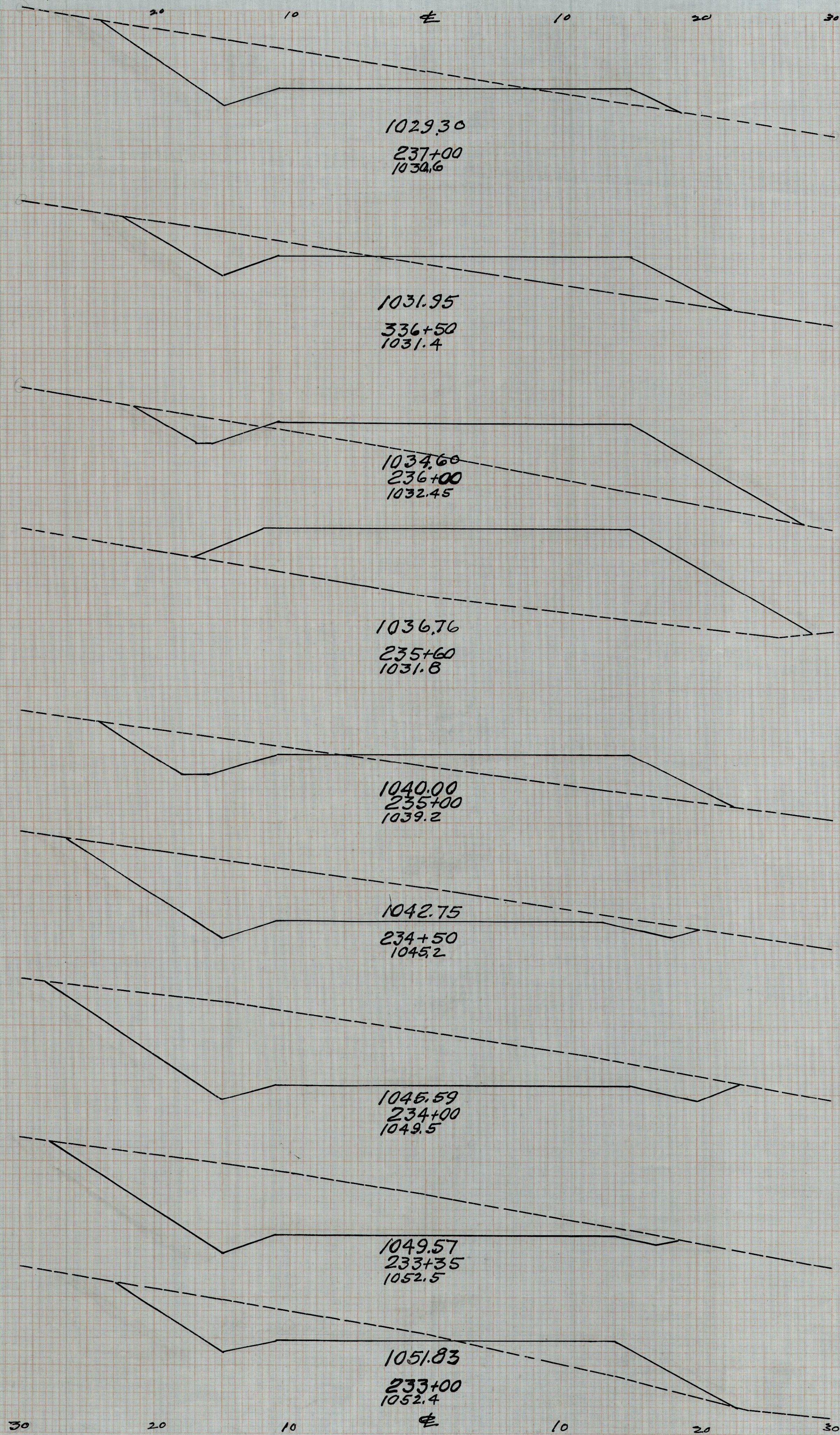


End Area		Cu. Yd.	
C	F	C	F
9	155		
18	113		
31	91		
72	130		
47	48		
85	85		
47	45		
117	102		
80	65		
215	91		
152	35		
284	74		
161	44		
172	144		
75	112		
154	198		

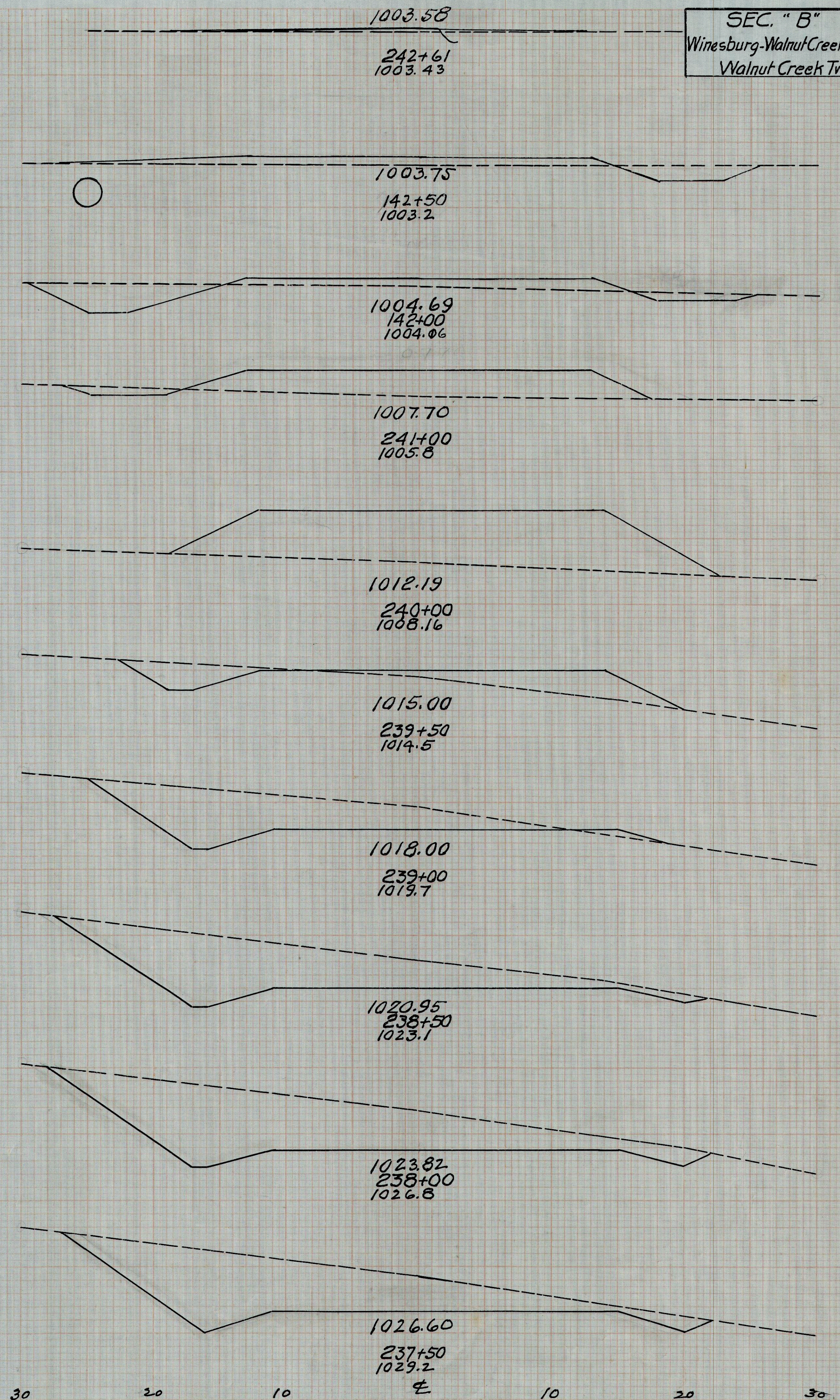




End Area		Cu. Yd.	
C	F	C	F
66	8		
		82	43
66	8		
		82	43
22	38		
		26	28
6	100		
		4	27
0	191		
		13	257
26	42		
		126	39
110	0		
		263	0
175	0		
		370	0
132	0		
		111	19
40	30		
		22	85



End Area		Cu. Yd.	
E	F	C	F
0	5		
		0	6
7	20		
		28	33
24	17		
		41	141
2	59		
		0	367
0	139		
		12	154
15	26		
		83	28
76	3		
		198	2
139	0		
		250	0
132	0		
		235	0
122	0		
		175	0

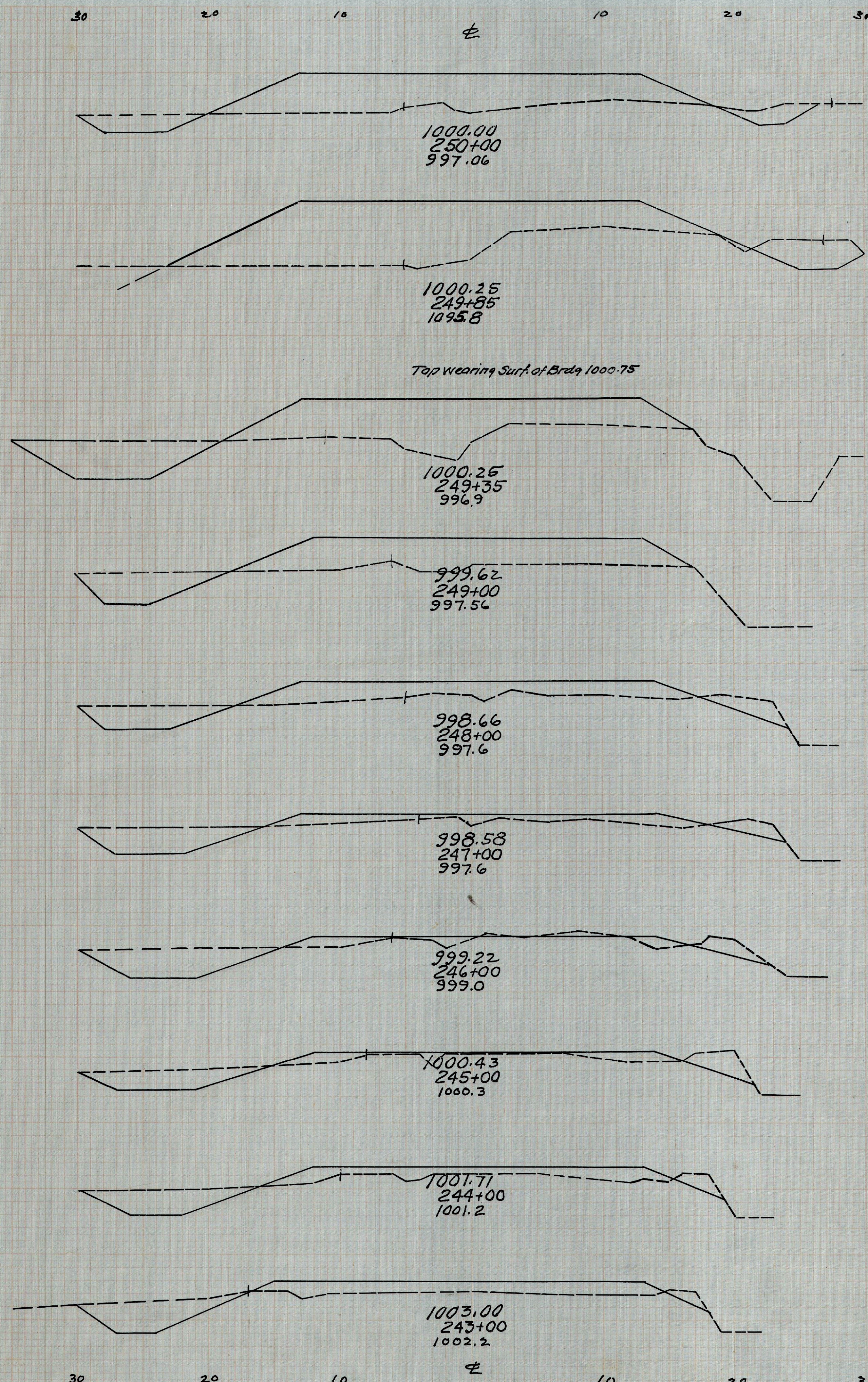


SEC. "B"  
 Winesburg-Walnut Creek Rd.  
 Walnut Creek Twp.

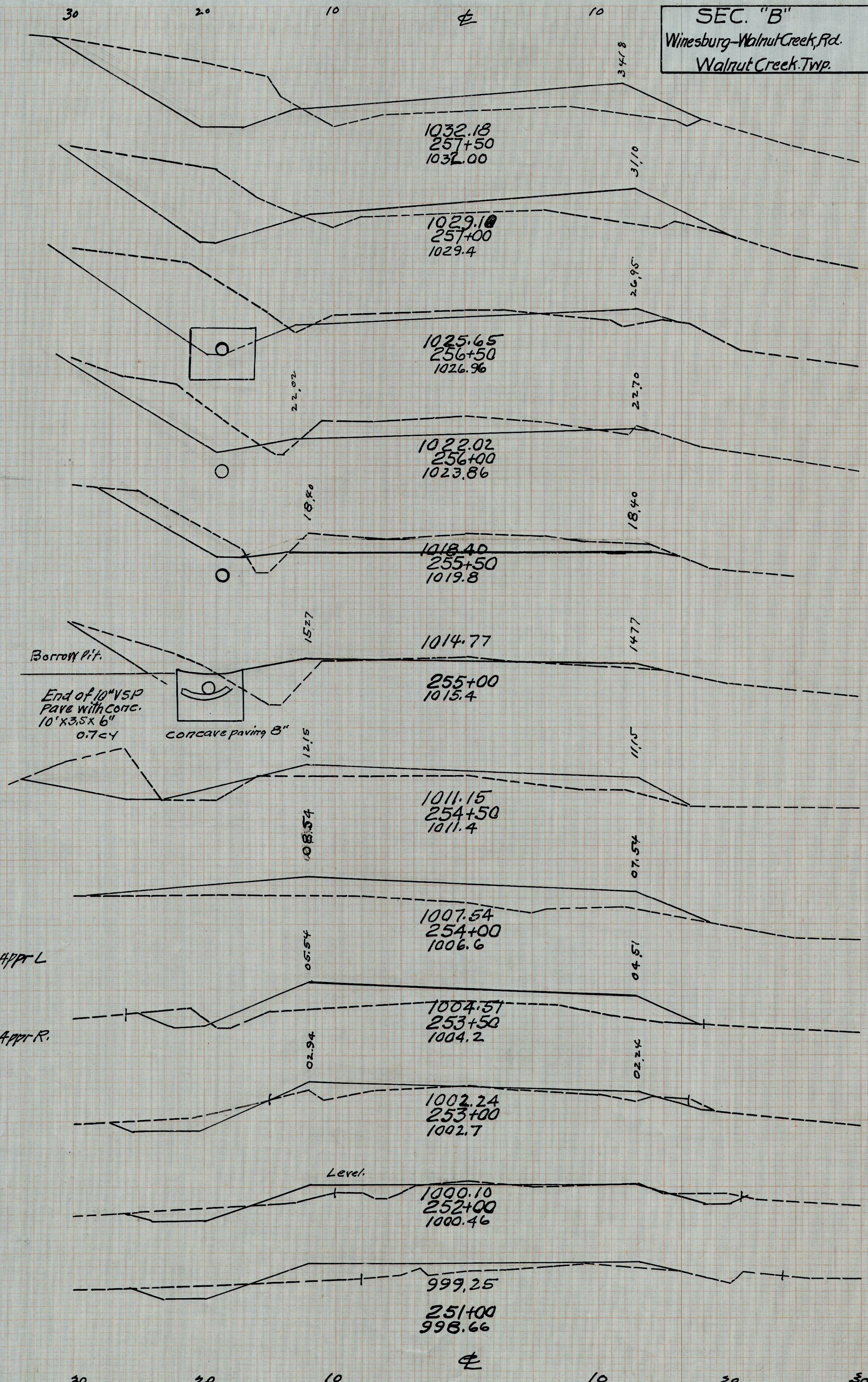
18/28



End Area		Cu. Yd.	
C	F	C	F
10	85	2	58
0	125	0	0
20	88	24	100
17	65	68	187
20	36	80	104
24	20	92	56
26	10	85	46
20	15	74	70
20	23	74	98
20	29	8	26

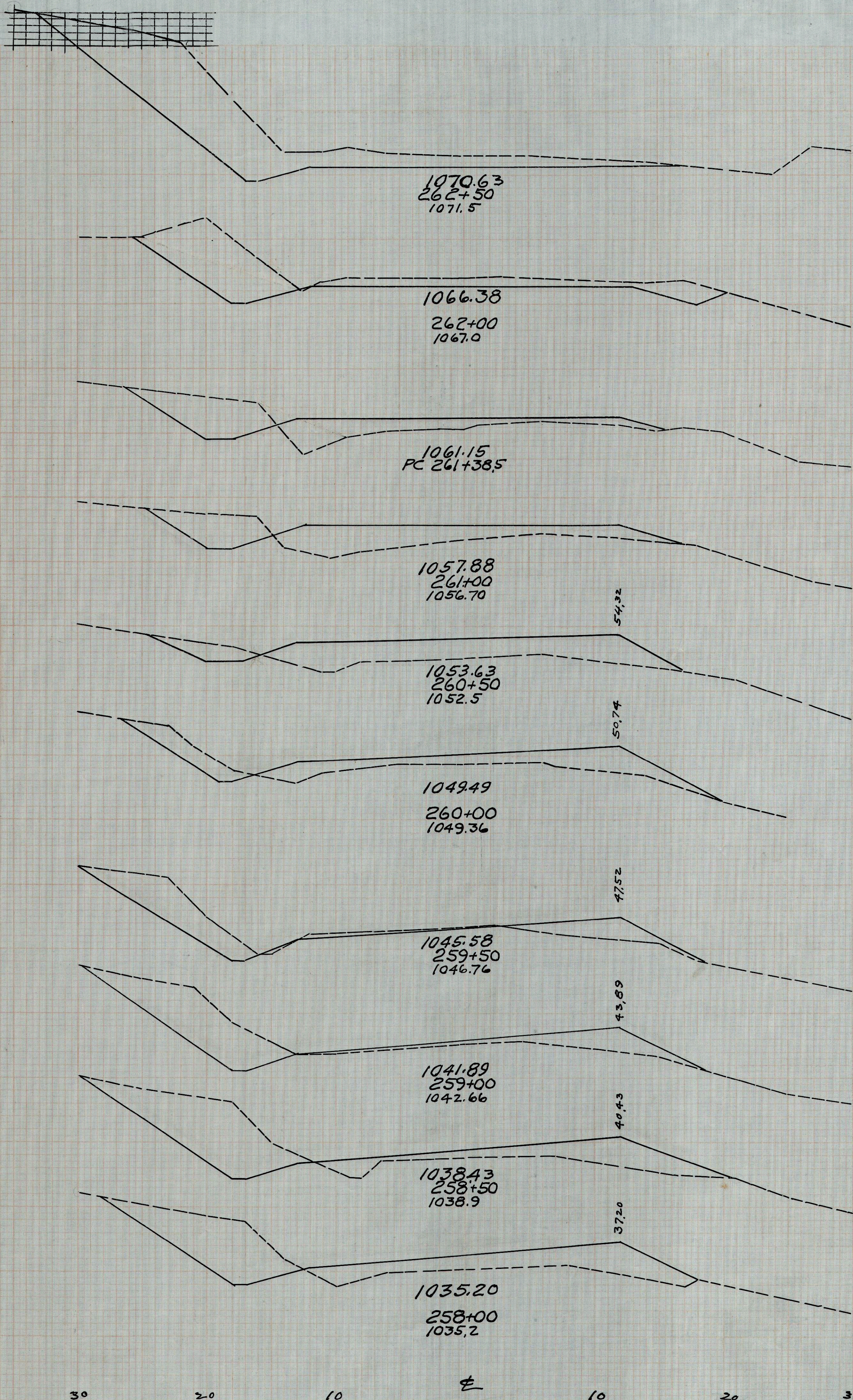


End Area		Cu. Yd.	
C	F	C	F
38	41	68	61
37	14	98	19
68	6	100	8
41	3	75	9
41	0	47	26
12	14	20	44
10	21	4	56
0	39	0	76
4	43	20	54
7	11	9	50
24	37	6	9
5	20	28	195

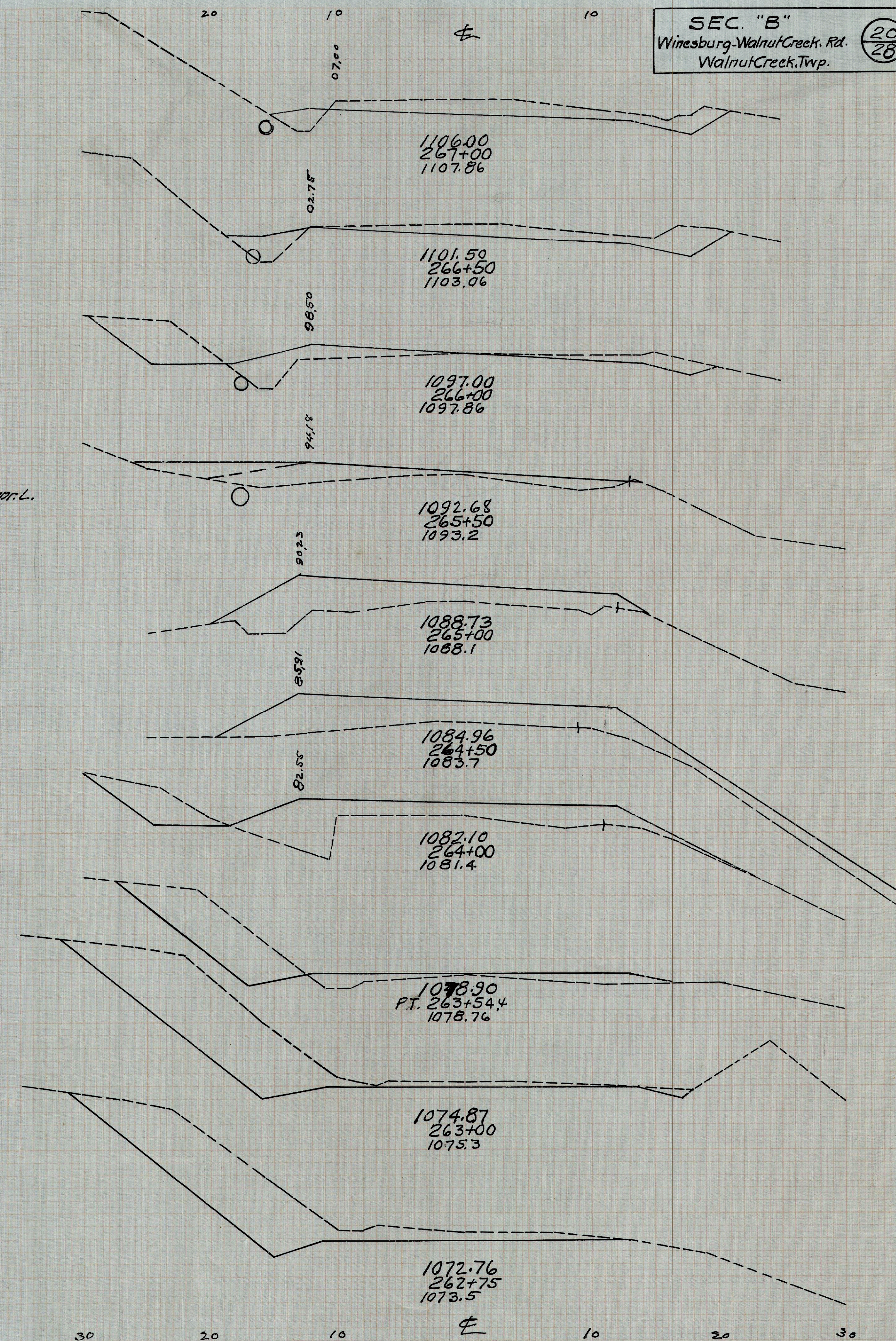




End Area		CU. YD.	
C	F	C	F
105	0		
		116	0
57	0		
		91	18
22	25		
		28	41
16	30		
		20	74
6	49		
		17	78
12	35		
		39	47
30	14		
		65	34
40	21		
		91	48
58	31		
		82	69
39	42		
		70	78



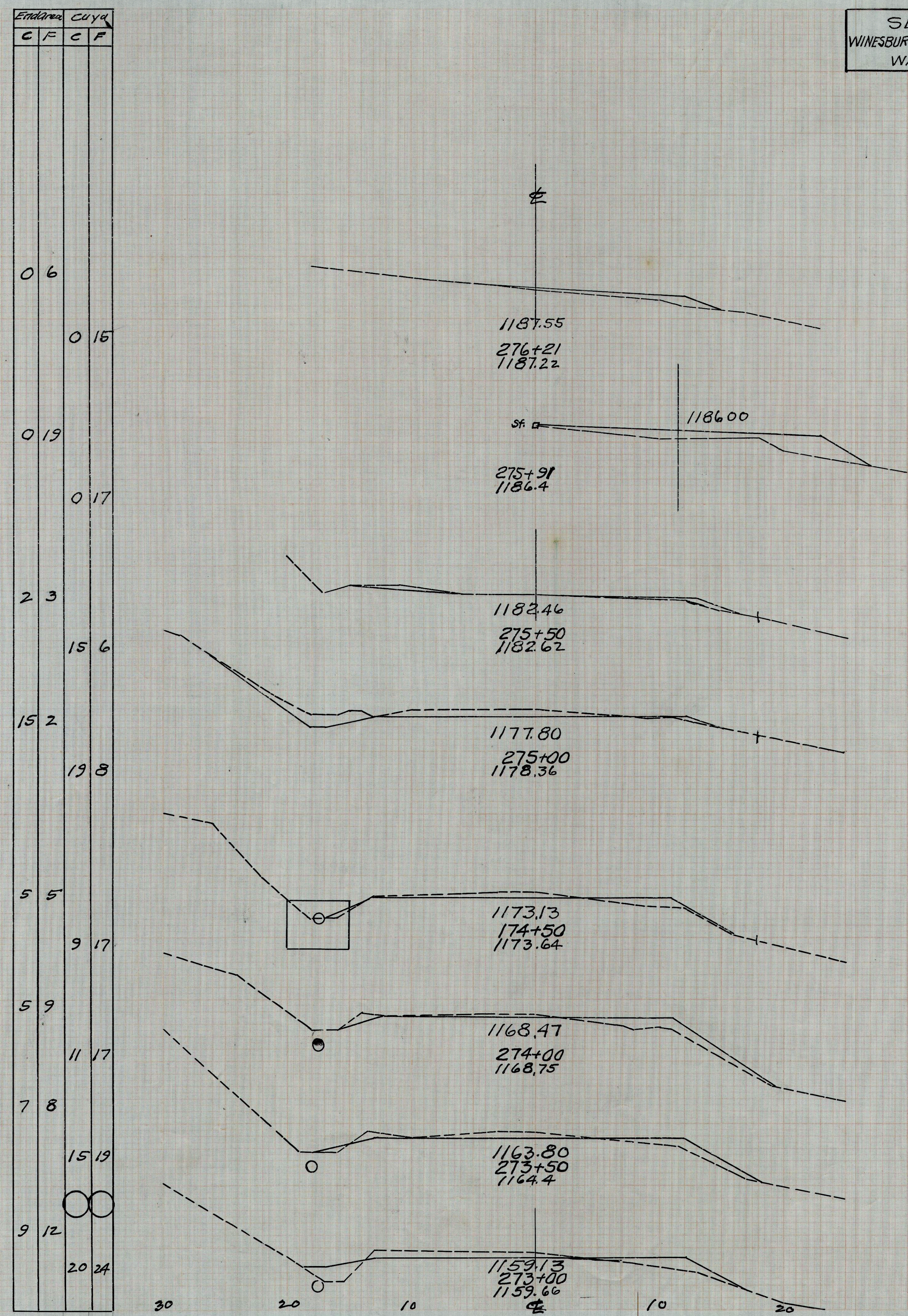
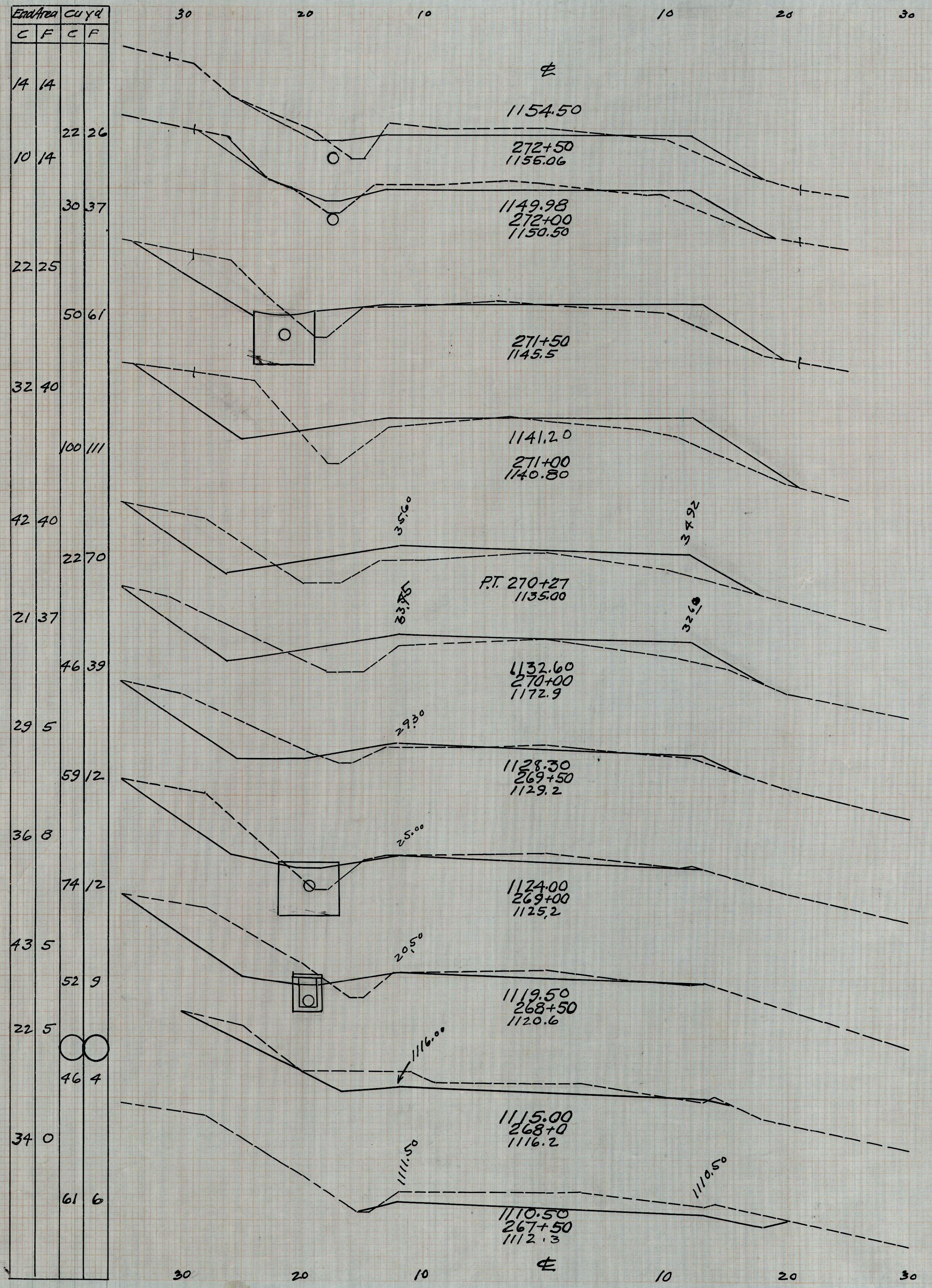
End Area		CU. YD.	
C	F	C	F
54	13		
26	9		
30	21		
28	45		
0	27		
0	82		
0	60		
0	146		
0	87		
19	128		
20	50		
52	61		
40	16		
130	8		
96	0		
91	0		
94	0		
89	0		



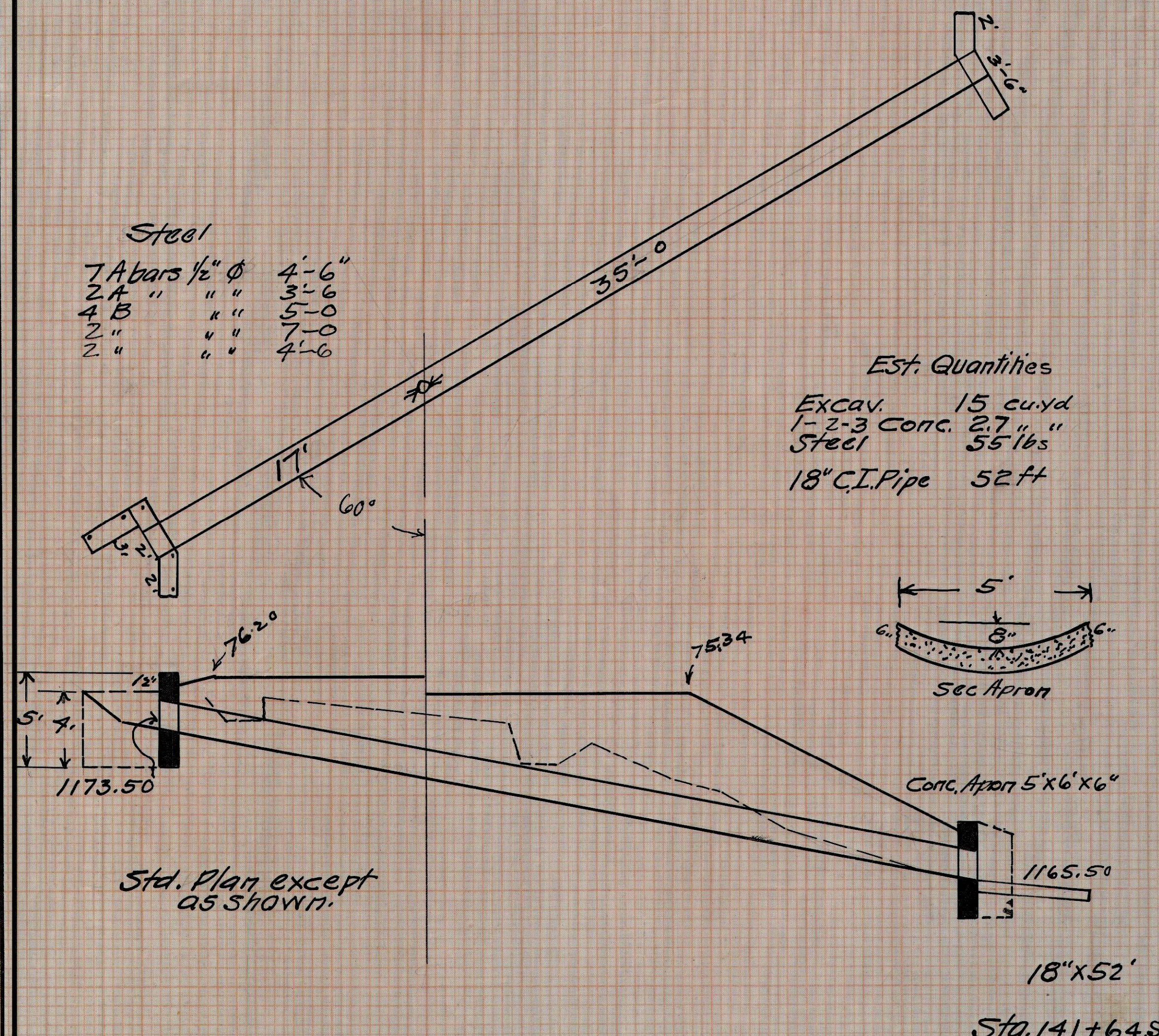
SEC. "B"  
 Winesburg-Walnut Creek Rd.  
 Walnut Creek Twp.

20  
 28



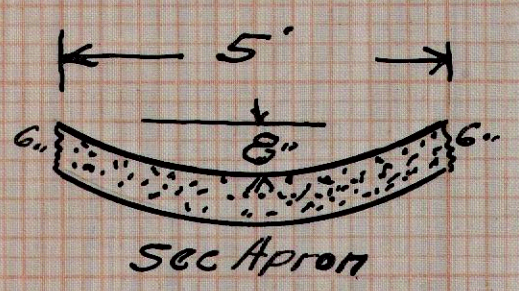






**Steel**  
7 A bars 1/2" φ 4'-6"  
2 A " " " 3'-6"  
4 B " " " 5'-0"  
2 " " " 7'-0"  
2 " " " 4'-6"

**Est. Quantities**  
Excav. 15 cu.yd  
1-2-3 Conc. 27 " "  
Steel 55 lbs  
18" C.I. Pipe 52 ft

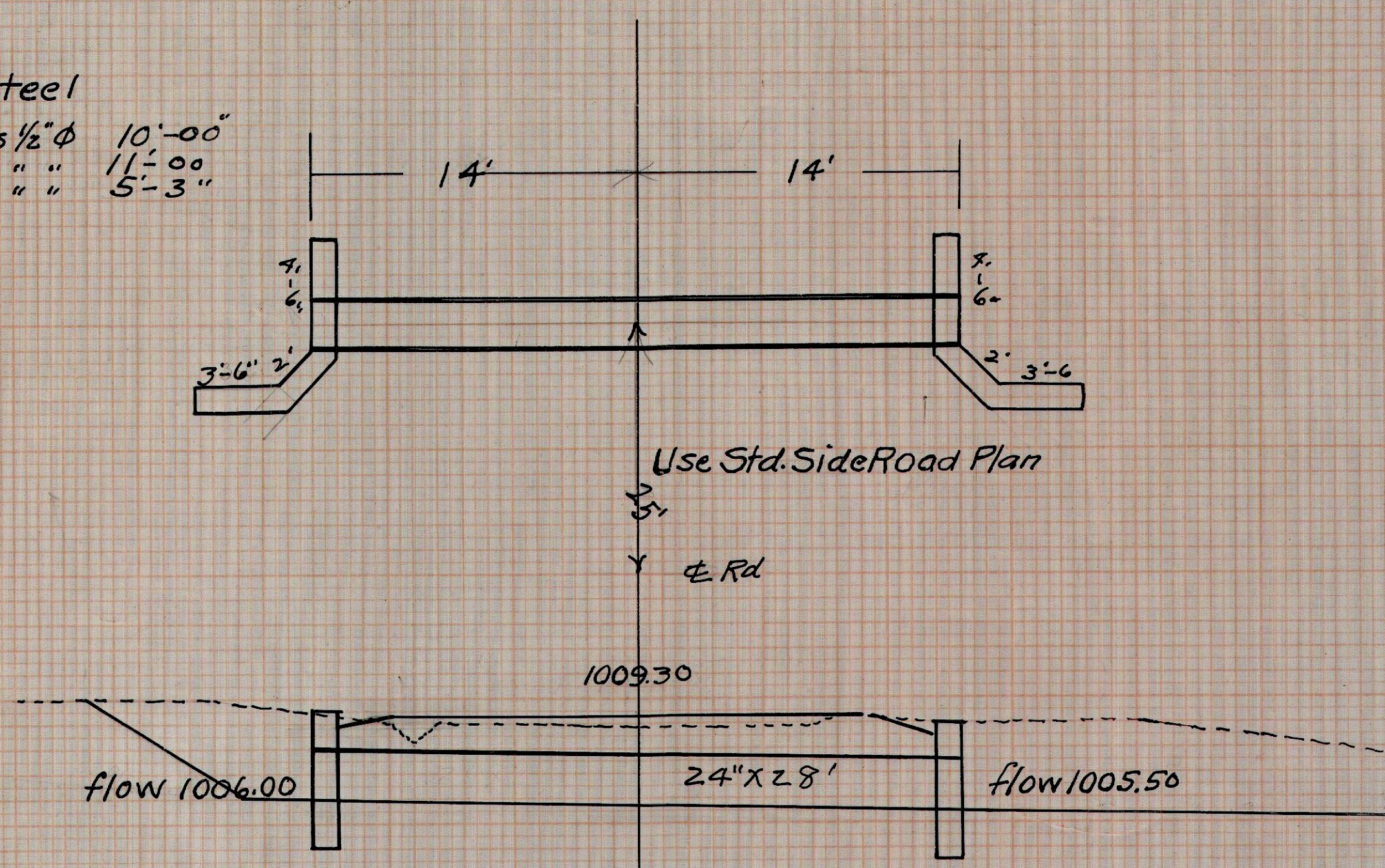


Conc. Apron 5'x6'x6"

18"x52'

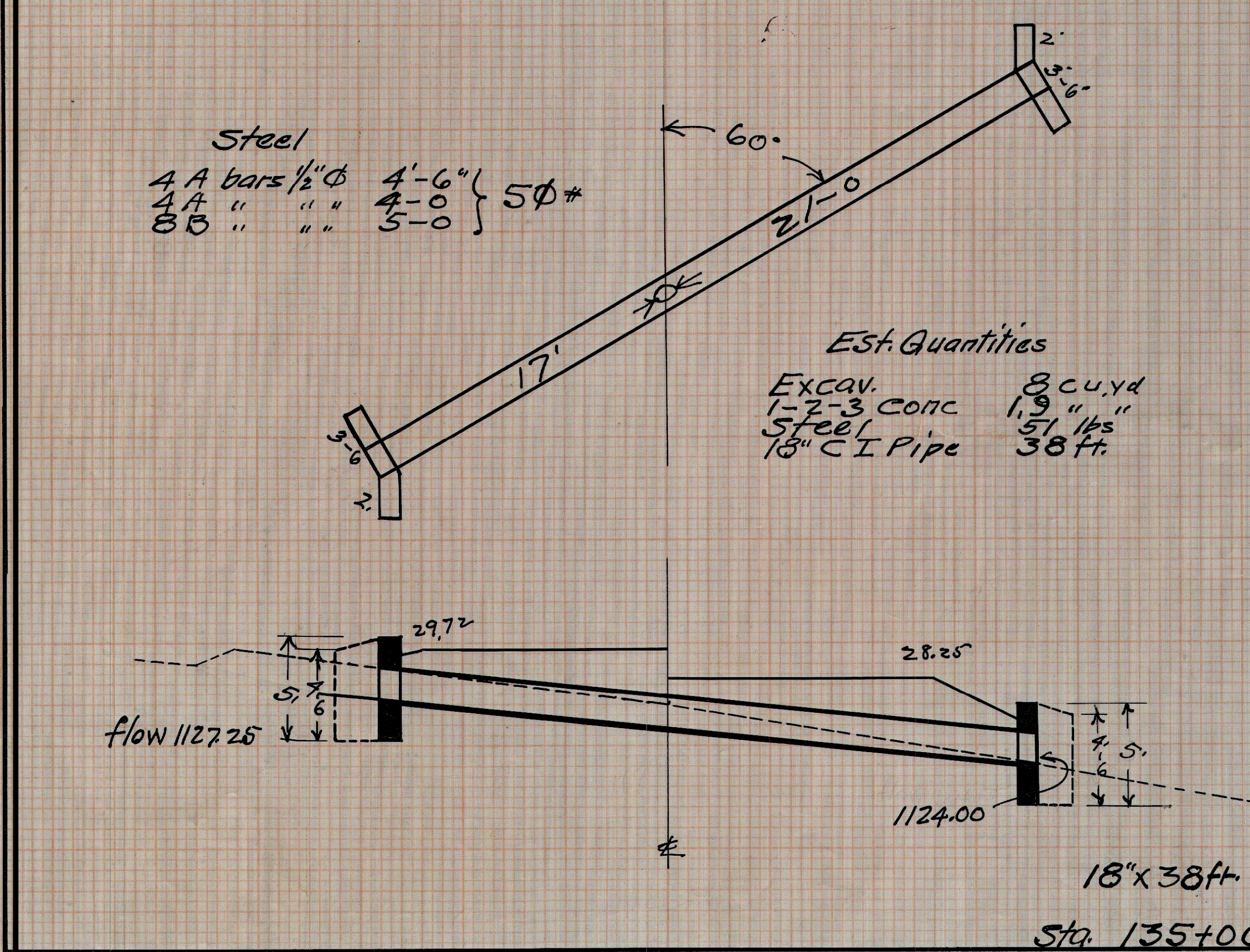
Sta. 141+645

**Steel**  
2 A bars 1/2" φ 10'-00"  
2 B " " " 11'-00"  
16 C " " " 5'-3"



**Est. Quantities**  
Excav. 22 cu.yd  
1-2-3 Conc. 71 " "  
Steel 85 #  
24" C.I. Pipe 28 ft

Sta. 166+73L25

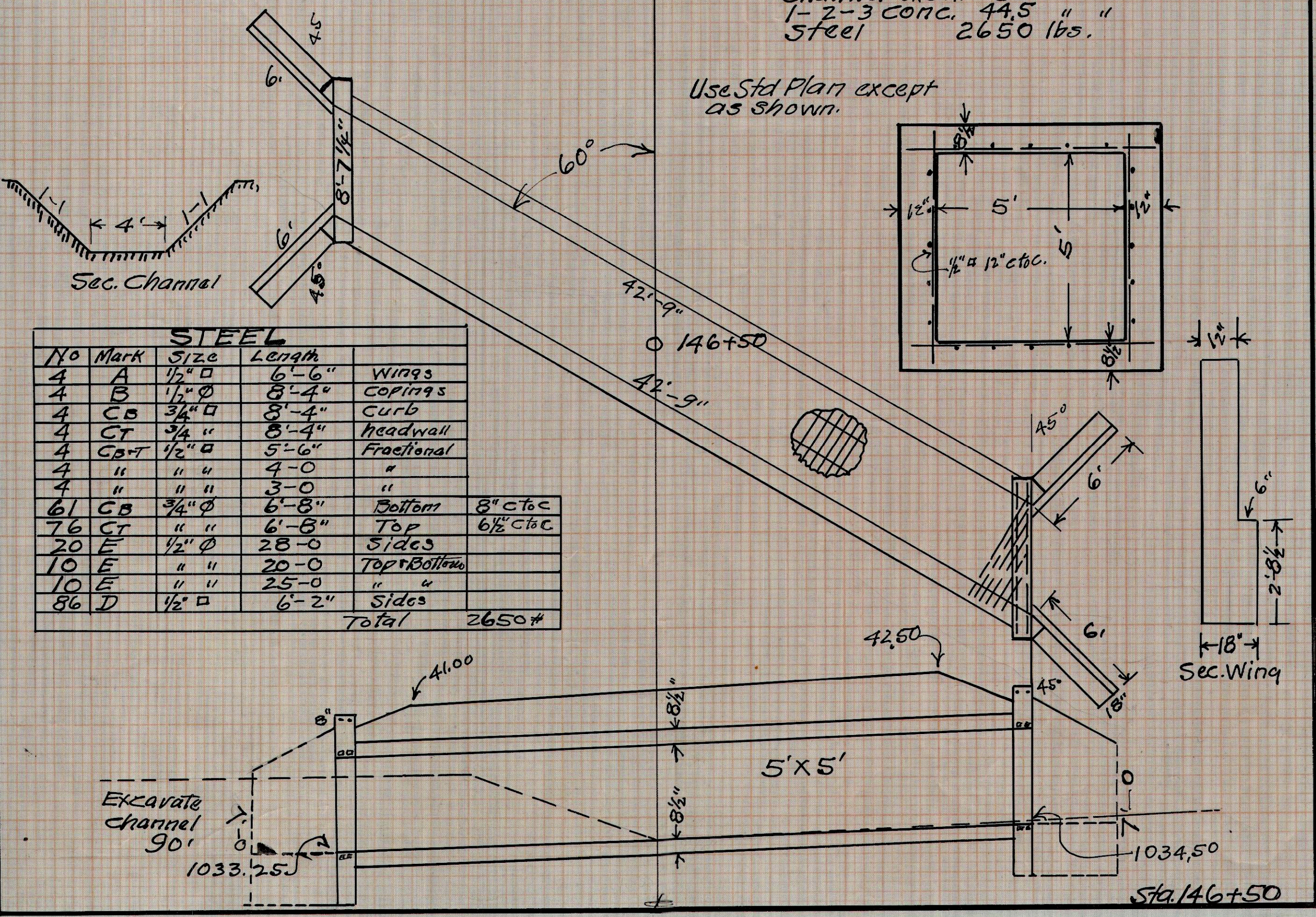


**Steel**  
4 A bars 1/2" φ 4'-6" } 5 φ #  
4 A " " " 4'-0" }  
8 B " " " 5'-0" }

**Est. Quantities**  
Excav. 8 cu.yd  
1-2-3 Conc. 19 " "  
Steel 51 lbs  
18" C.I. Pipe 38 ft

18"x38ft

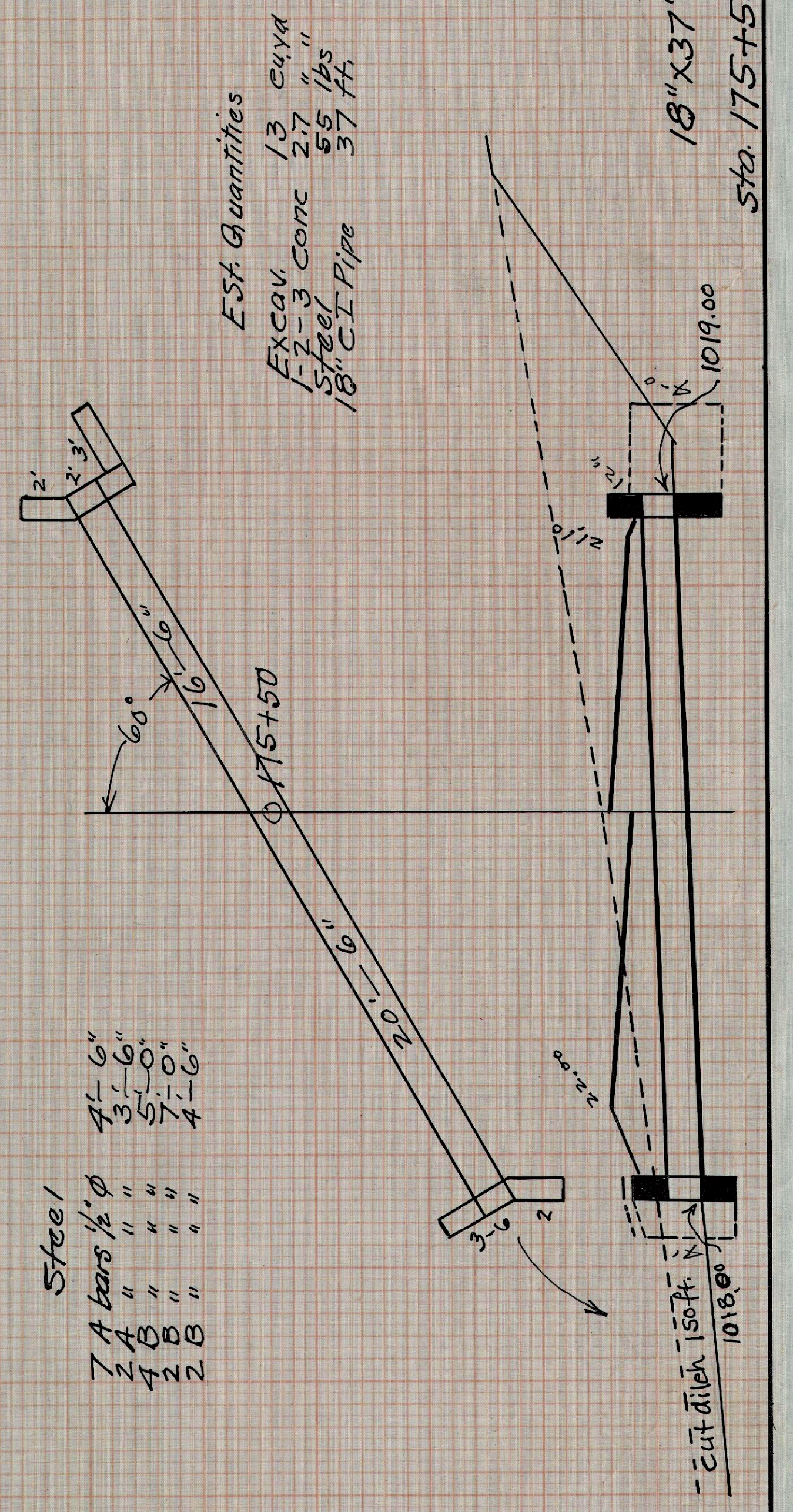
Sta. 135+00



**Est. Quantities**  
Excav+refill 66 cu.yd  
Channel excav. 80 " "  
1-2-3 Conc. 44.5 " "  
Steel 2650 lbs.

Sta. 146+50

No	Mark	Size	Length	Description
4	A	1/2" φ	6'-6"	Wings
4	B	1/2" φ	8'-4"	Copings
4	CB	3/4" φ	8'-4"	Curb
4	CT	3/4" φ	8'-4"	Headwall
4	CP+T	1/2" φ	5'-6"	Fractional
4	"	"	4'-0"	"
4	"	"	3'-0"	"
6	CB	3/4" φ	6'-8"	Bottom 8" c/c
76	CT	"	6'-8"	Top 6 1/2" c/c
20	E	1/2" φ	28'-0"	Sides
10	E	"	20'-0"	Top+Bottom
10	E	"	25'-0"	"
86	D	1/2" φ	6'-2"	Sides
				Total 2650 #

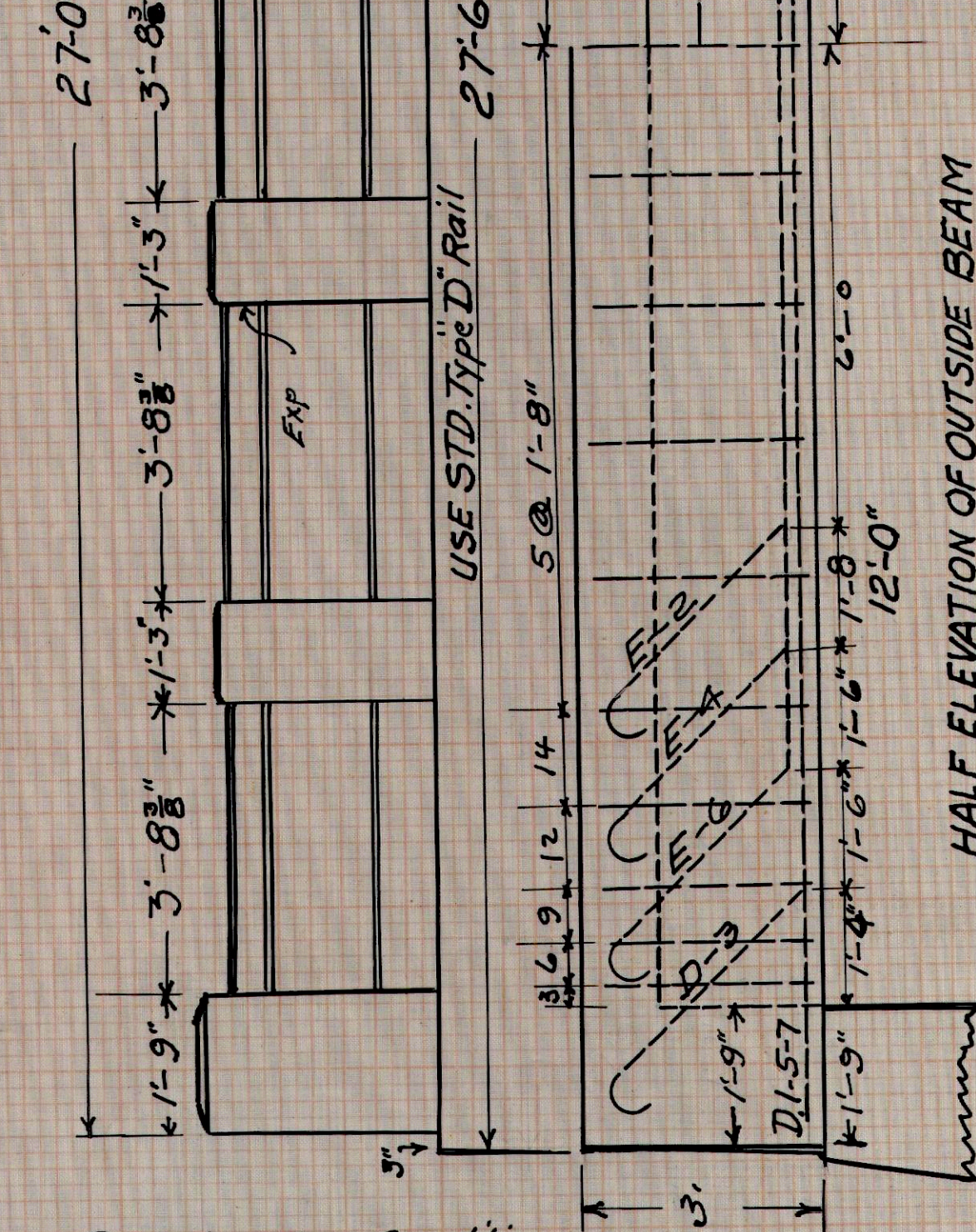
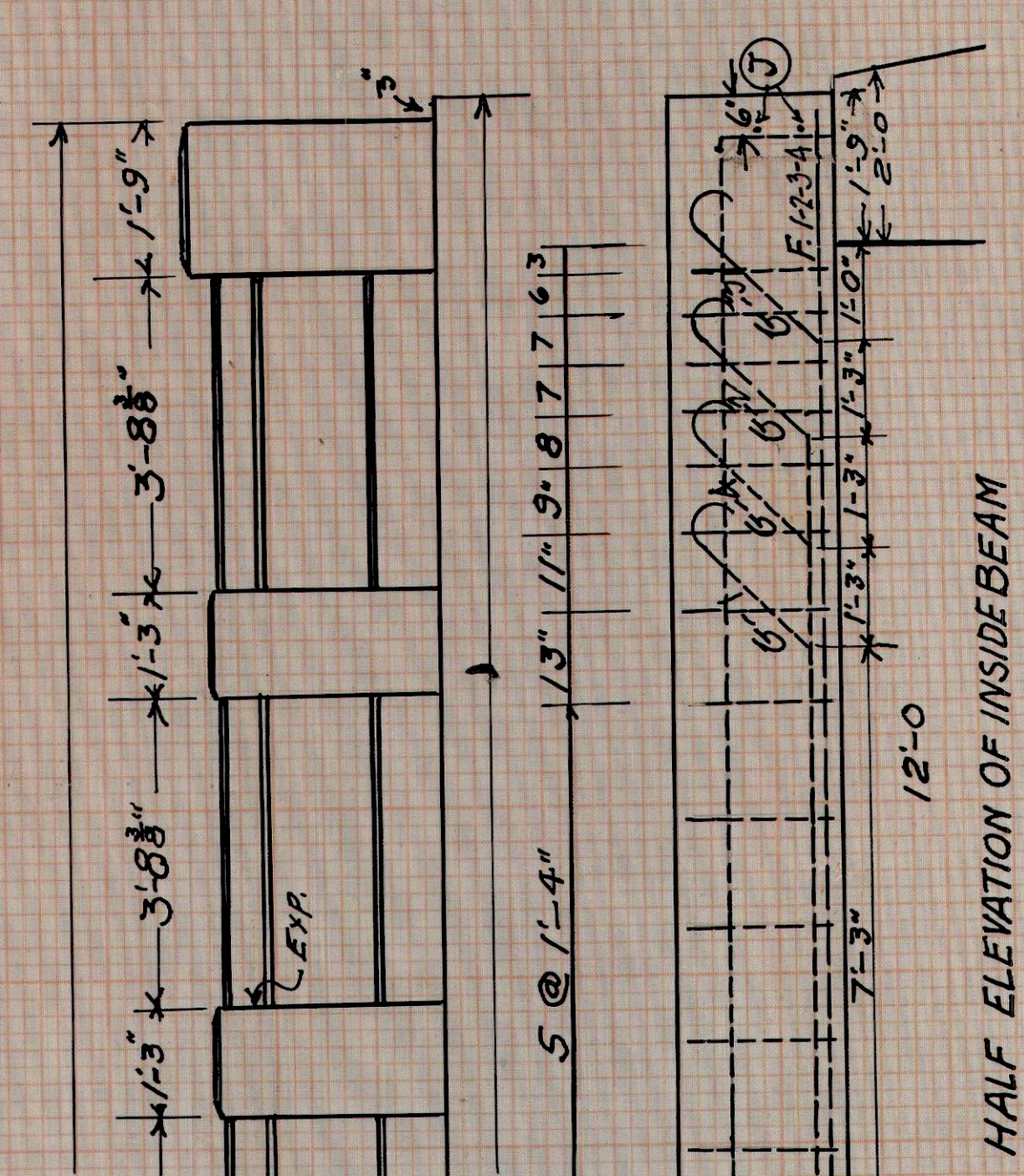
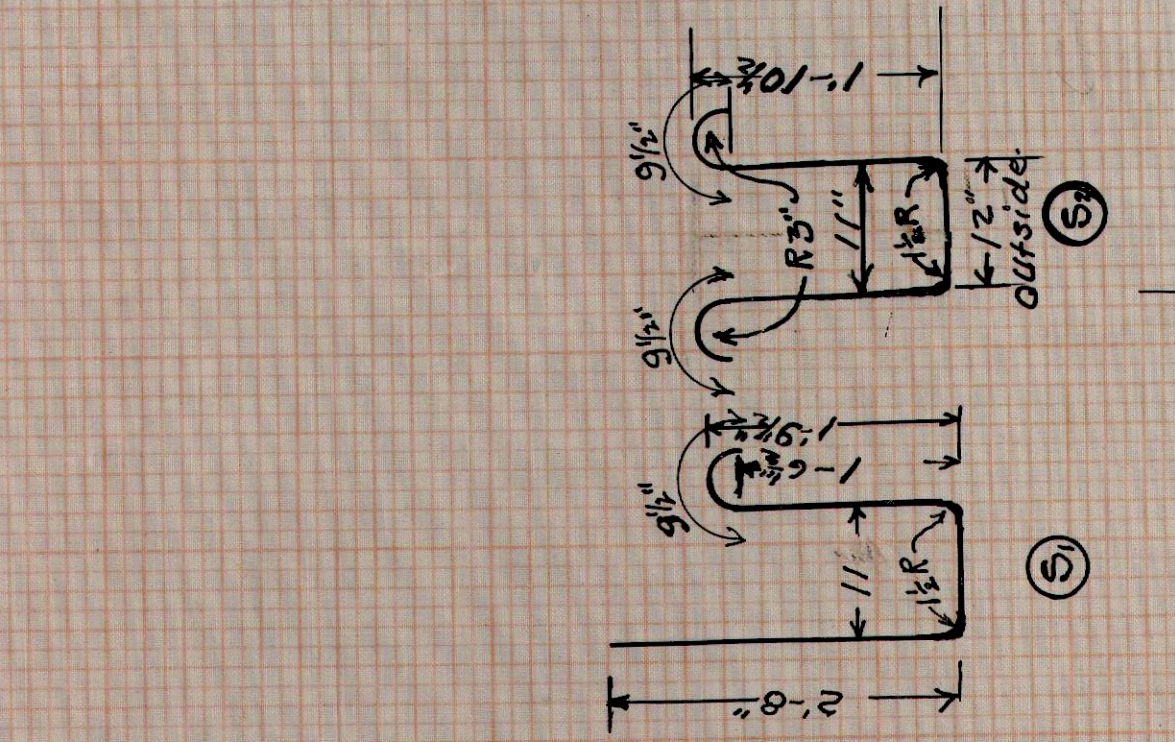
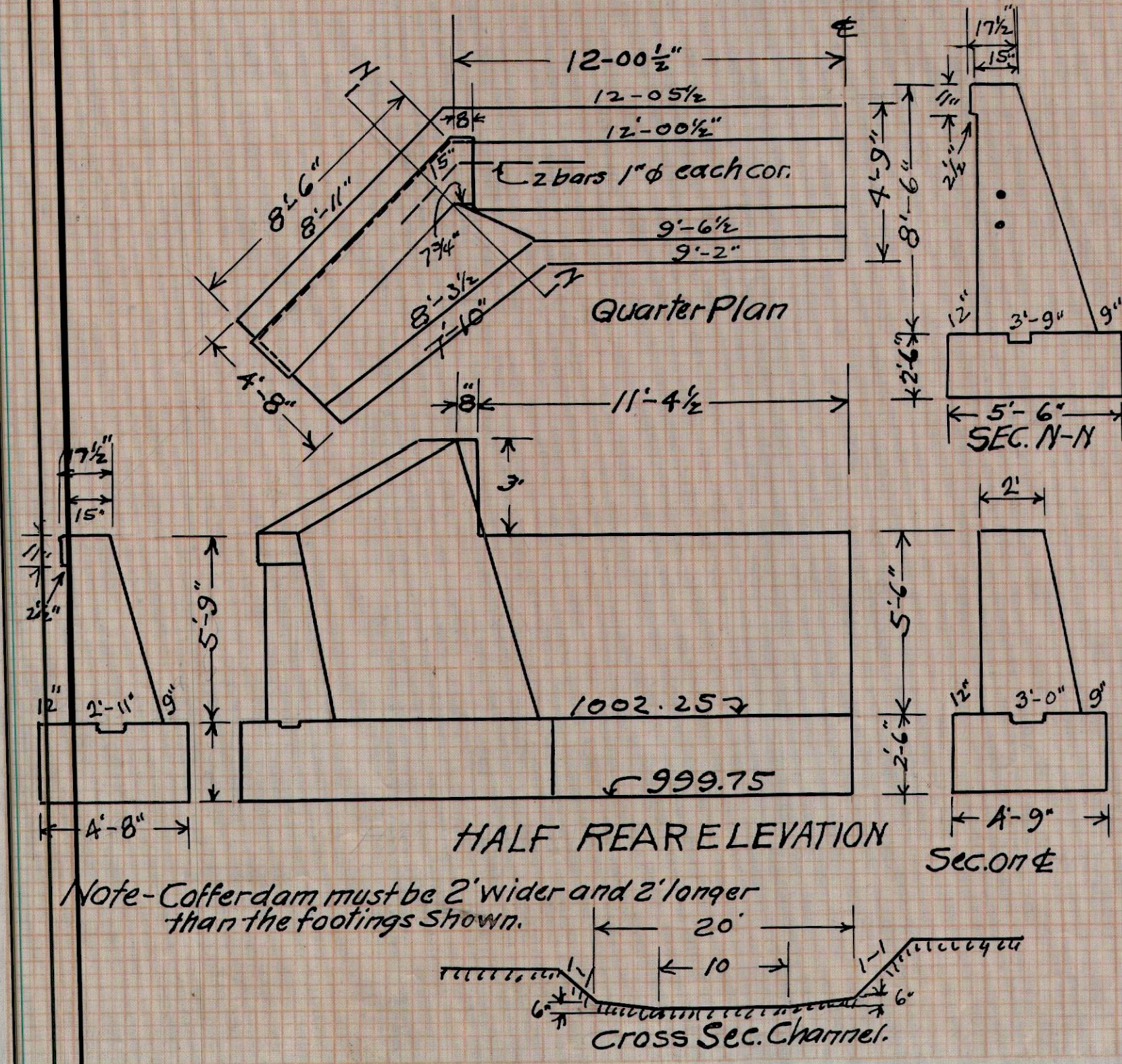
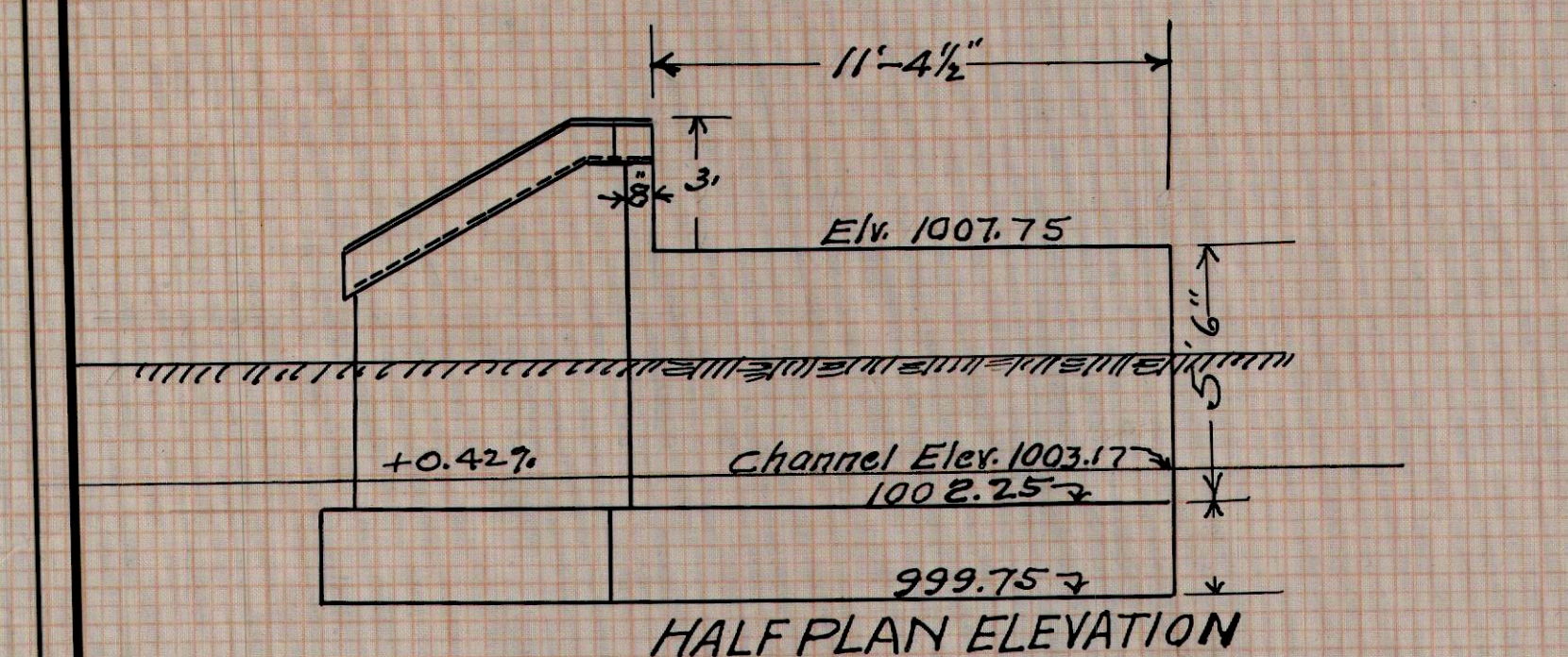
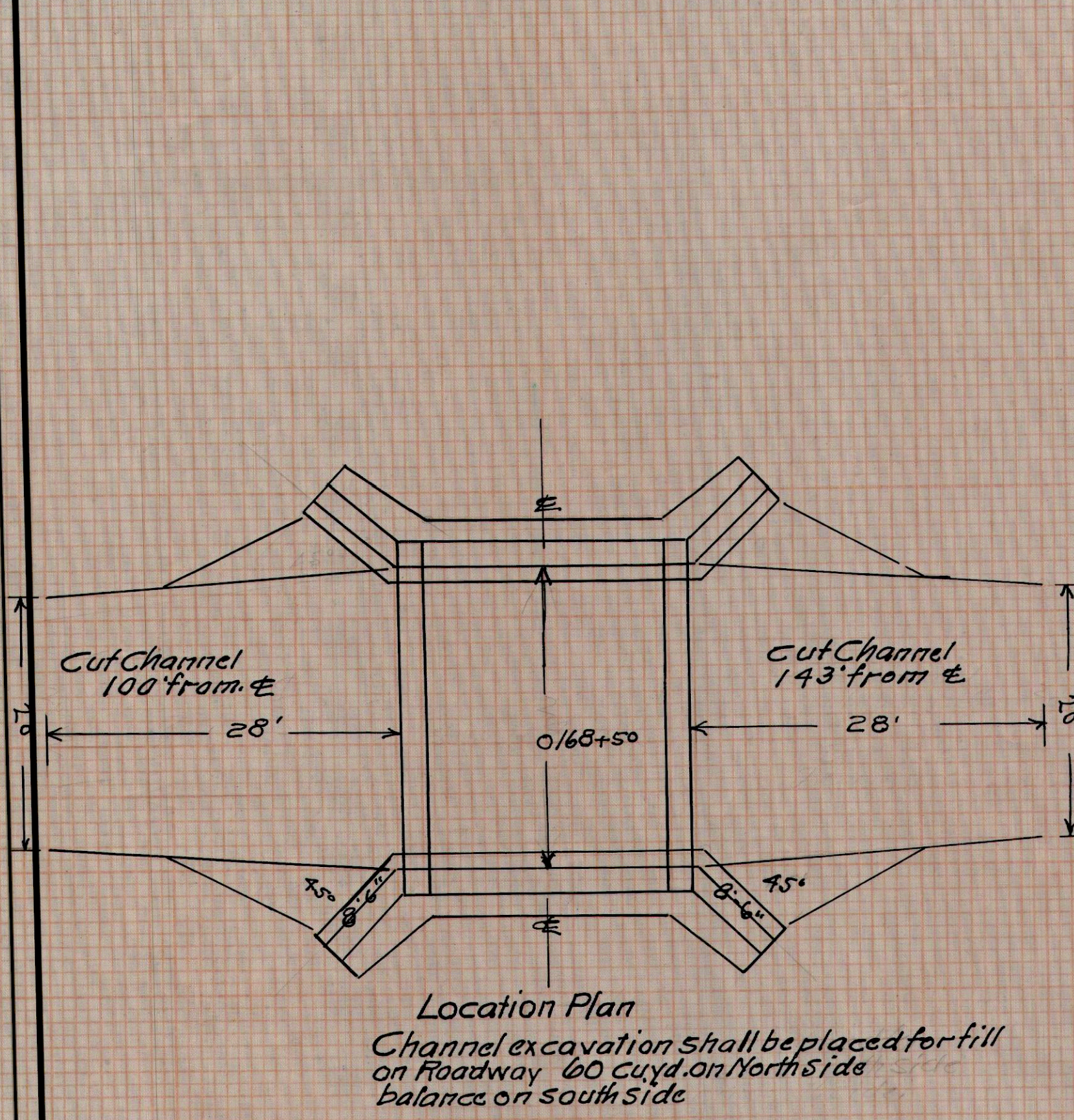


**Est. Quantities**  
Excav. 13 cu.yd  
1-2-3 Conc 27 " "  
Steel 55 lbs  
18" C.I. Pipe 37 ft

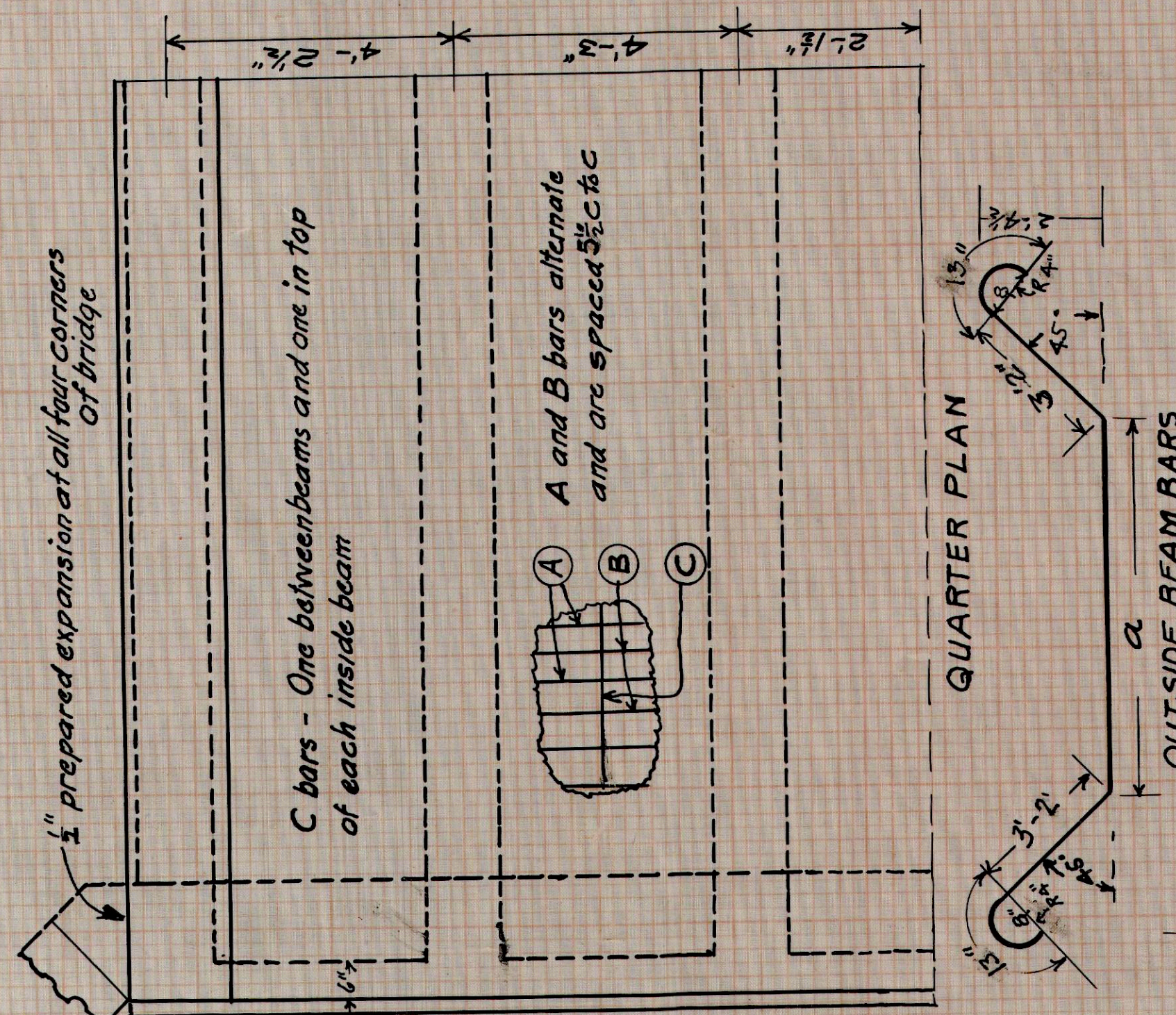
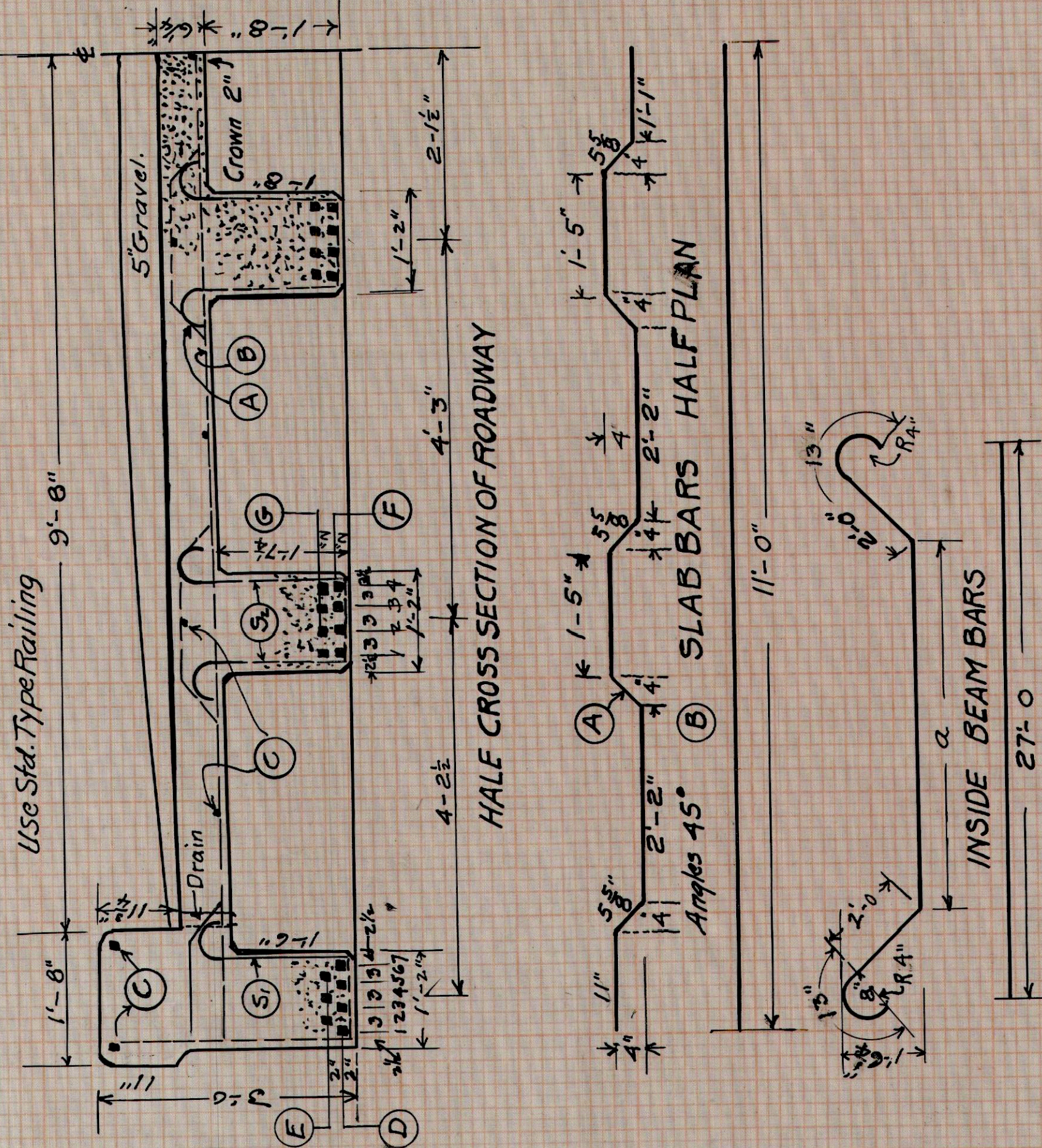
**Steel**  
7 A bars 1/2" φ 4'-6"  
2 A " " " 3'-6"  
2 B " " " 7'-0"  
2 B " " " 4'-6"

18'x37'  
Sta. 175+50





**Substructure EST. Quantities**  
 Excavation Dry 70 cy.  
 Excavation Wet 70 cy.  
 Channel Excav. 451 cu yd.  
 1-2 1/2-4 Concrete 27.9 cy  
 1-2 1/2-4 Conc. Abuts 50.9 cy  
 See See Brgd Quant.



**Superstructure EST. Quantities**  
 1-2-3 Concrete 26.3 C.Y.  
 Reinforcing Steel 55.59 lbs.  
 1/2" Expansion 21.59 ft.  
 Type "D" Conc. Rail 54 ft.  
 Saddles, Separators & ties  
 Railing and Abutment steel included.

**INSIDE BEAMS**

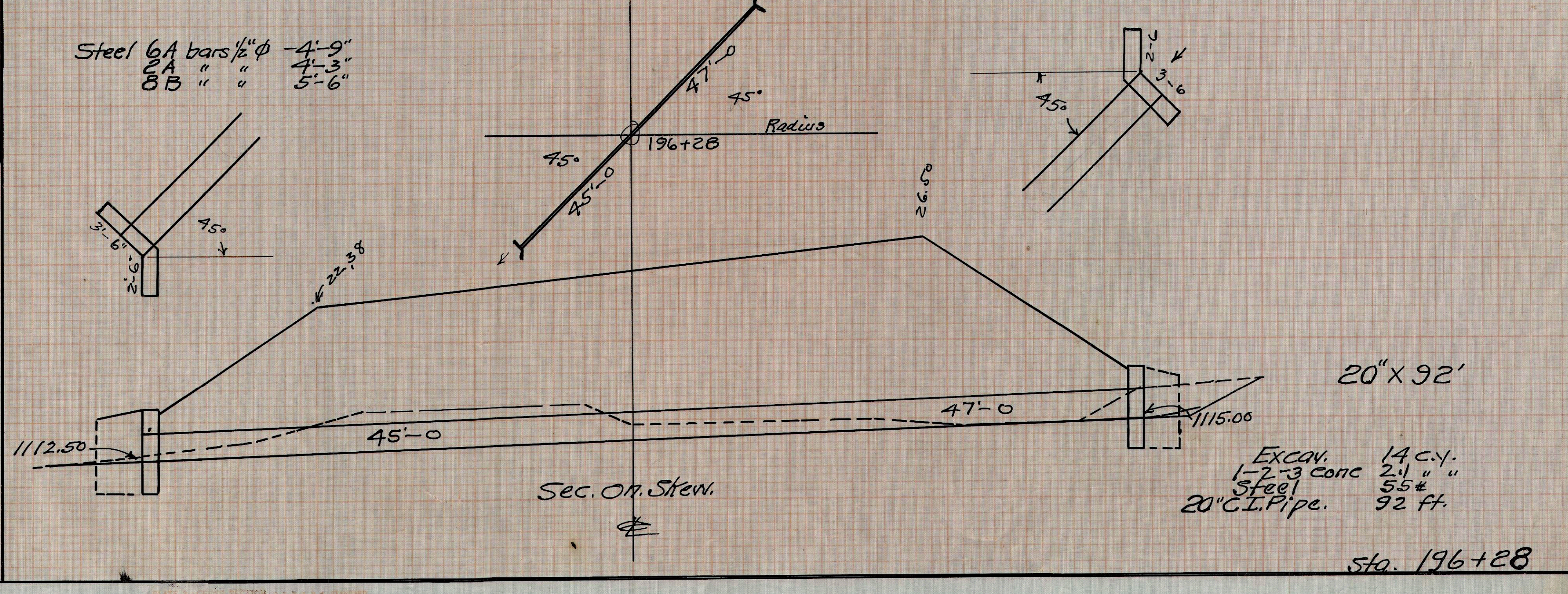
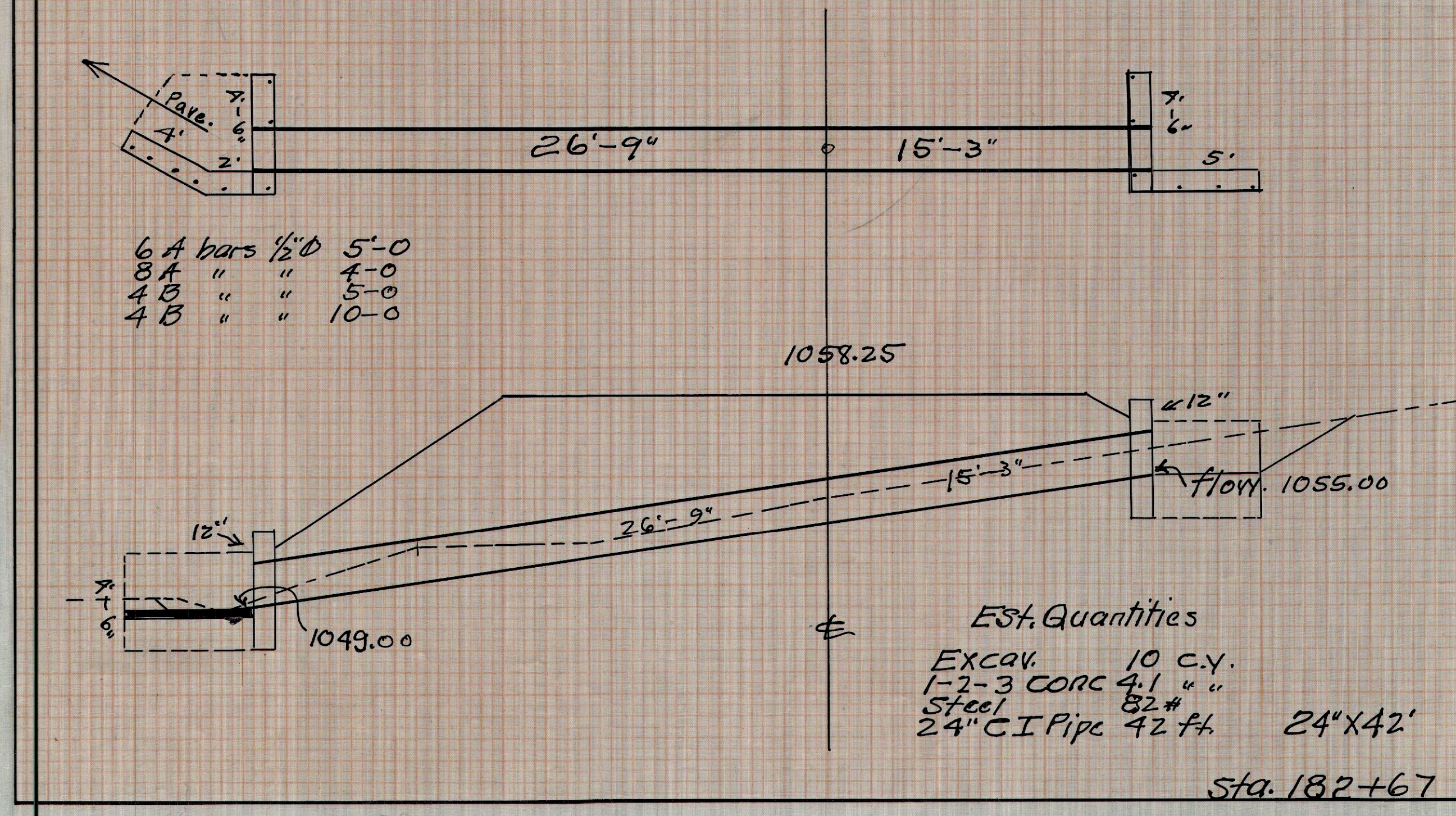
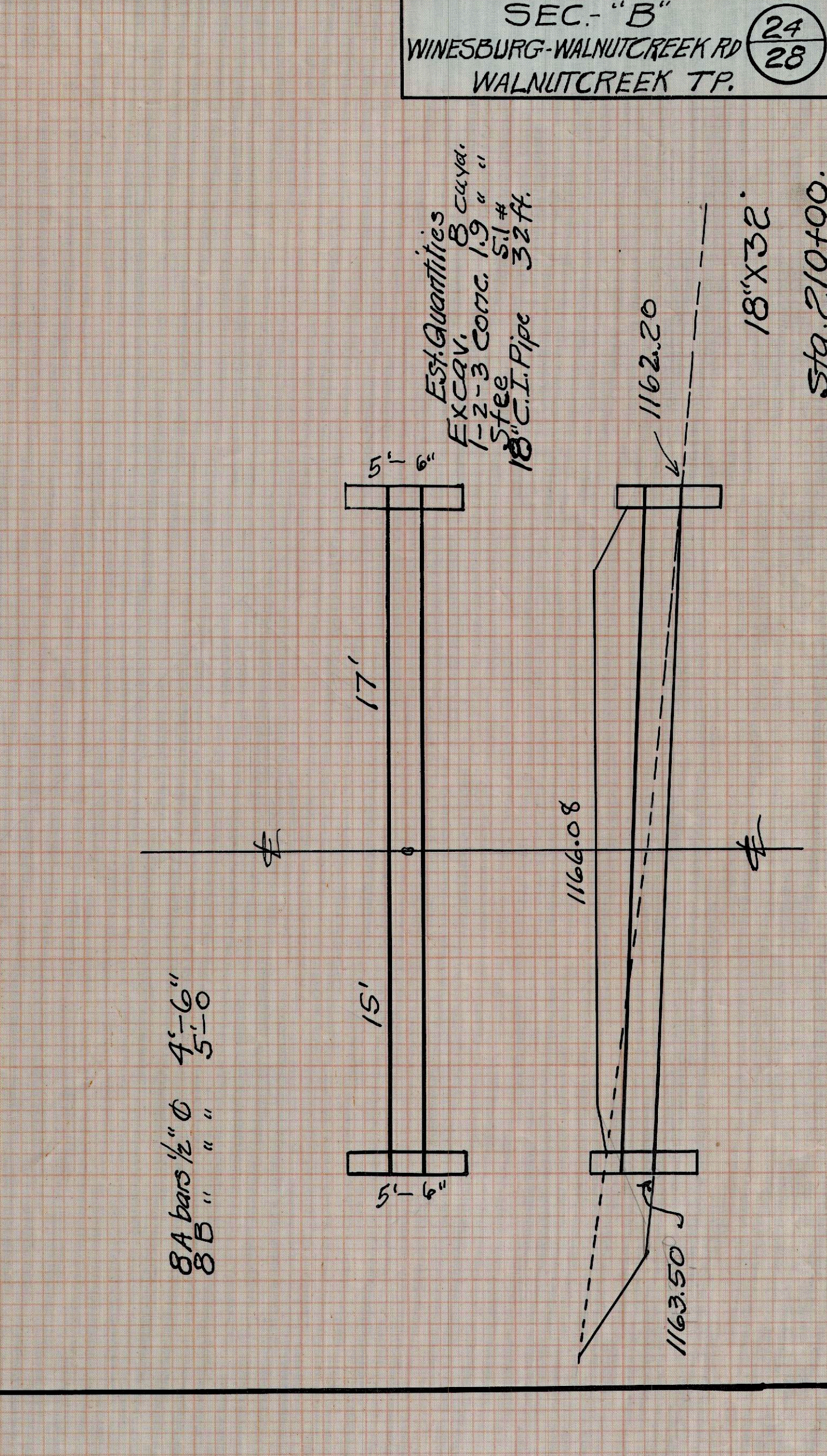
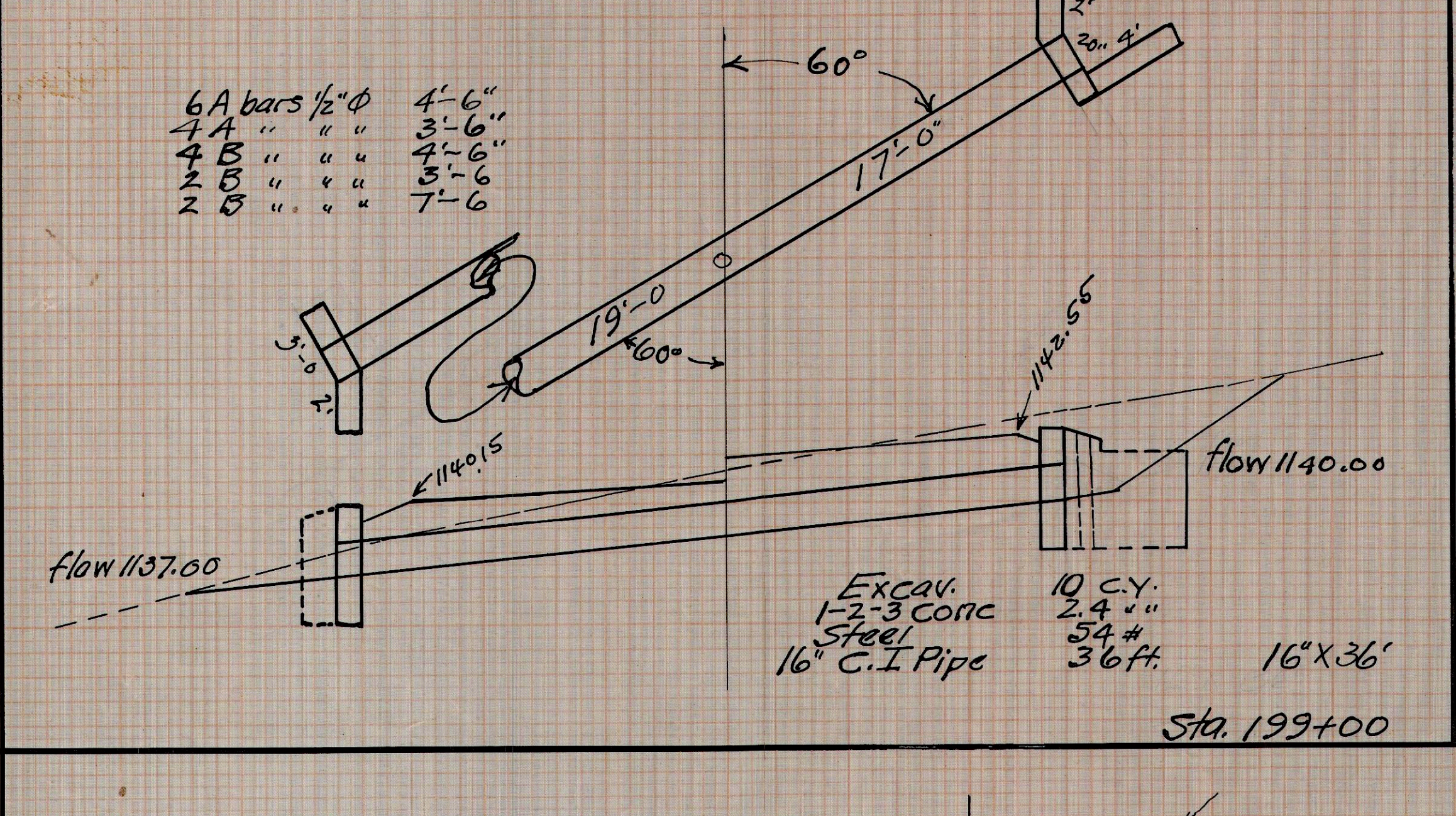
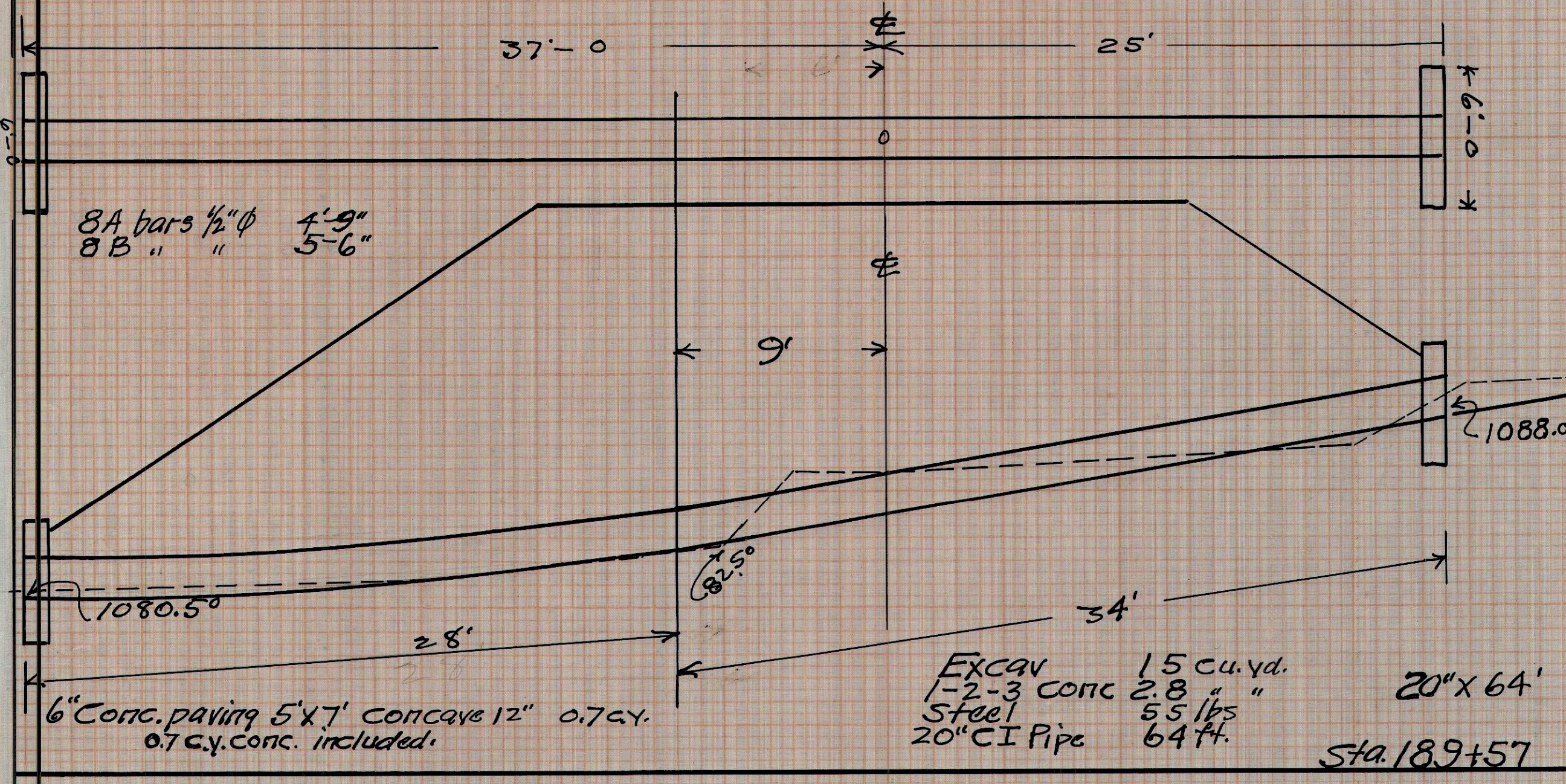
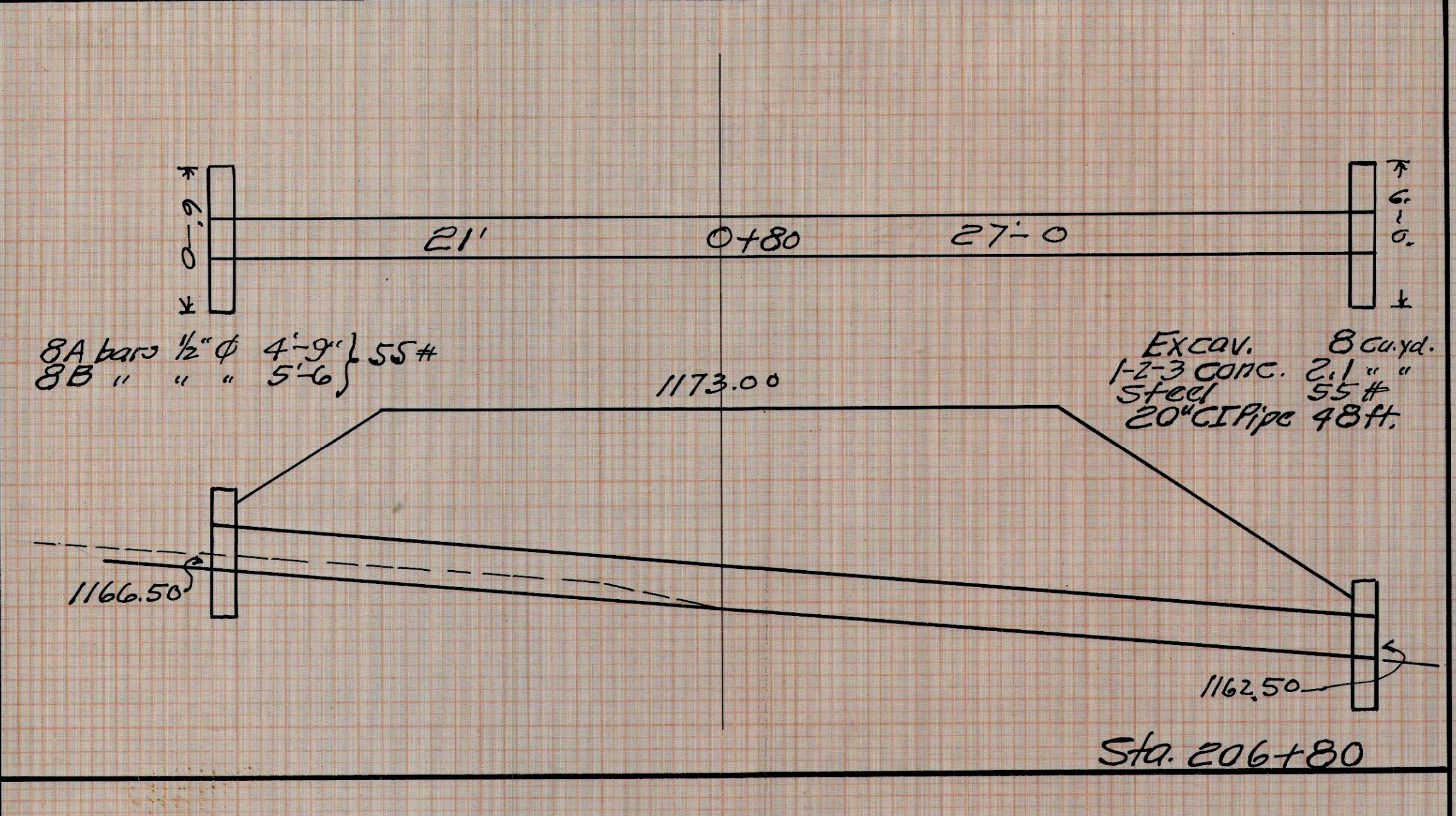
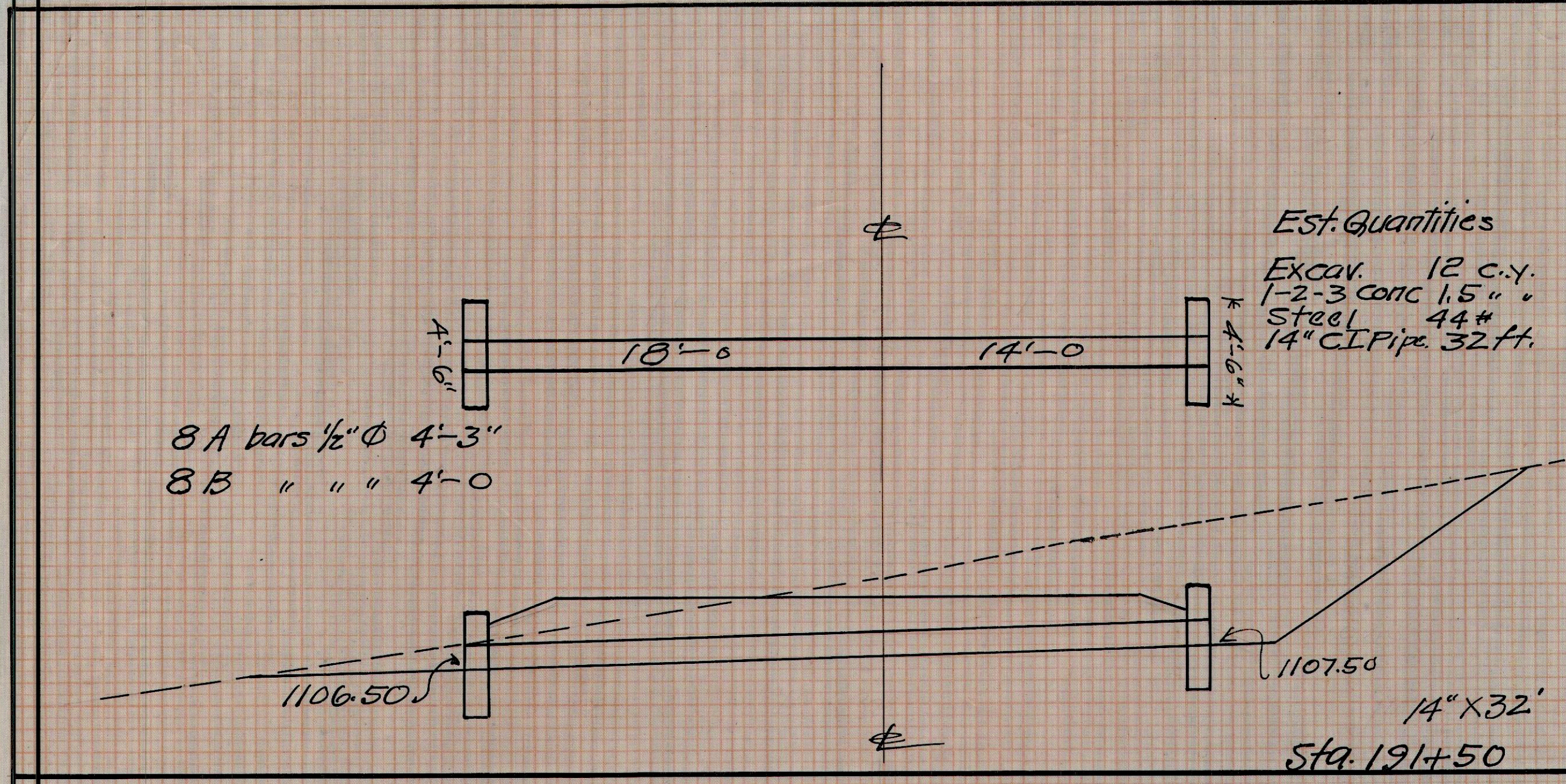
No	Mark	Size	"a"	Weight
4	F-1	1/2" 5#	27'-0"	2.81
4	F-2	" "	" "	2.81
4	F-3	" "	" "	2.81
4	F-4	" "	" "	2.81
4	F-5	" "	14'-6"	2.18
4	F-6	" "	19'-6"	2.70
4	F-7	" "	22'-0"	2.94
4	F-8	" "	17'-0"	2.42
4	F-9	1/2" 5#	6'-4"	4.23
100	S-1	1/2" 5#	25'-7 1/2"	25.71
<b>RAILING STEEL</b>				
16	X	1/2" 5#	10'-6"	1.12
8	X	1/2" 5#	5'-4"	.30
4	X	1/2" 5#	26'-0"	.69
4	X	1/2" 5#	4'-0"	.164
48	Y	1/2" 5#	Posts	Total
<b>ABUTMENTS</b>				
8	A	1" 8#	8'-0"	171#

**OUTSIDE BEAMS**

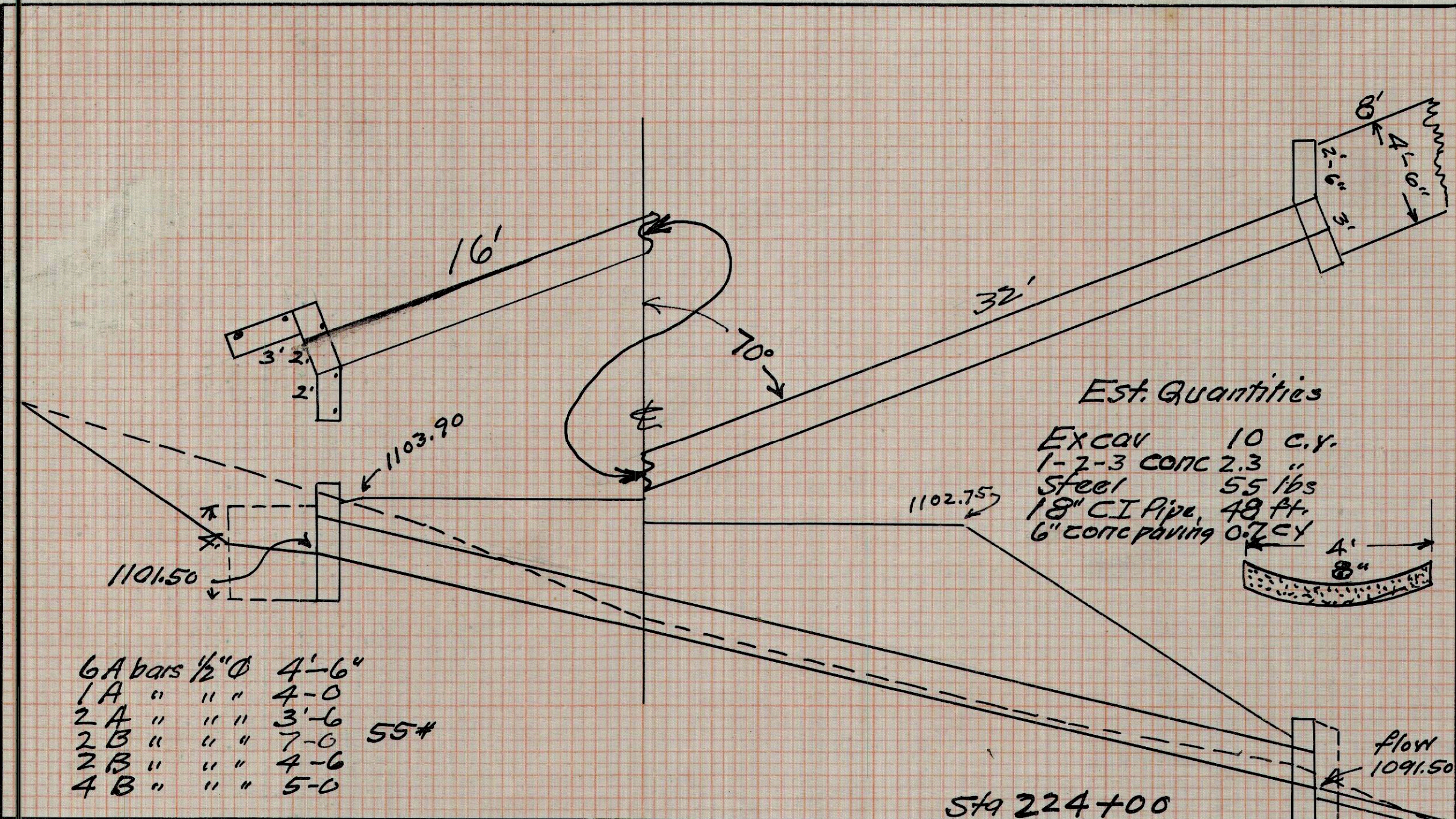
No	Mark	Size	"a"	Weight
2	D-1	1 1/8" 8#	21'-0"	1.11
2	D-2	" "	27'-4"	1.22
2	D-3	" "	29'-10"	1.11
2	D-4	" "	27'-0"	1.11
2	D-5	" "	12'-0"	.84
2	D-6	" "	15'-0"	.96
2	D-7	" "	18'-0"	1.09
3	S-1	1/2" 5#	26'-0"	1.52
<b>SLAB</b>				
Total				
896#				
No	Mark	Size	Length	Weight
30	A	1/2" 5#	23'-3"	593
3	B	1/2" 5#	22'-0"	580
1	C	1/2" 5#	27'-0"	298
1	D	1/2" 5#	22'-0"	75
<b>Total</b>				
1546				

**CONC. BEAM BRIDGE**  
 CLASS 15.T.  
 CLEAR SPAN 24 FEET.  
 CLEAR ROADWAY 20 FEET  
 WINESBURG-WALNUTCREEK RD.  
 1927-WLR STA. 168+50

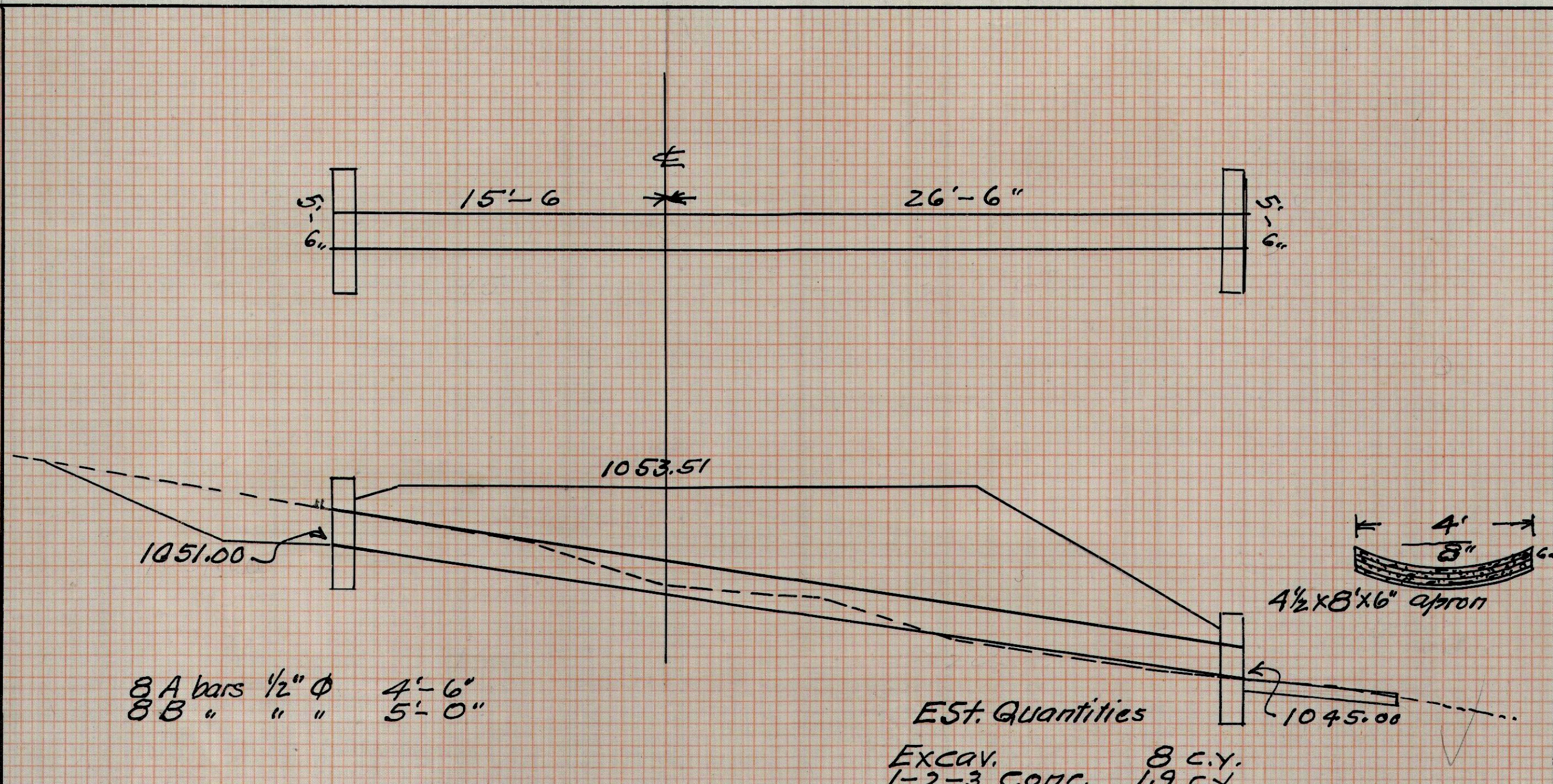




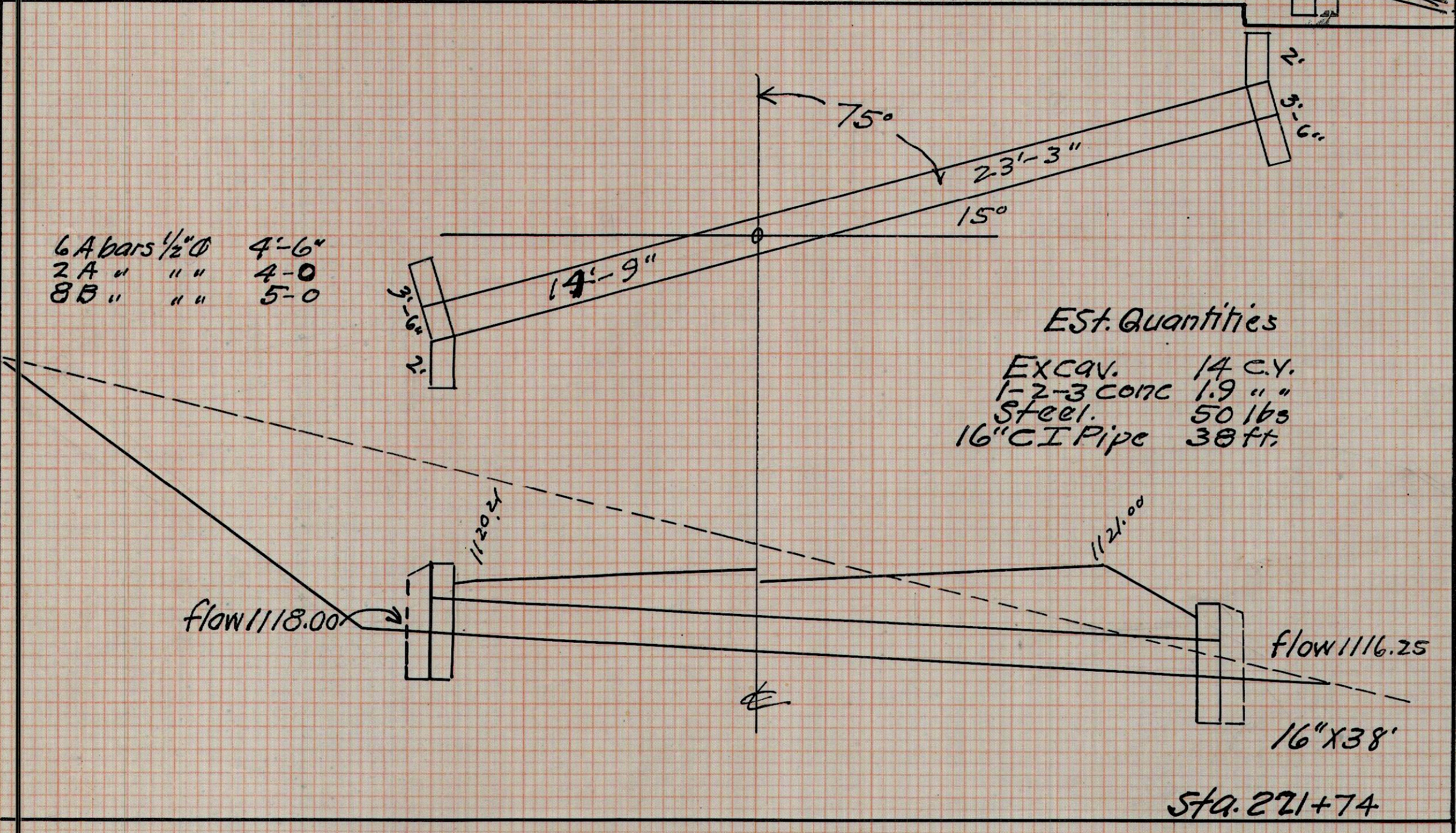




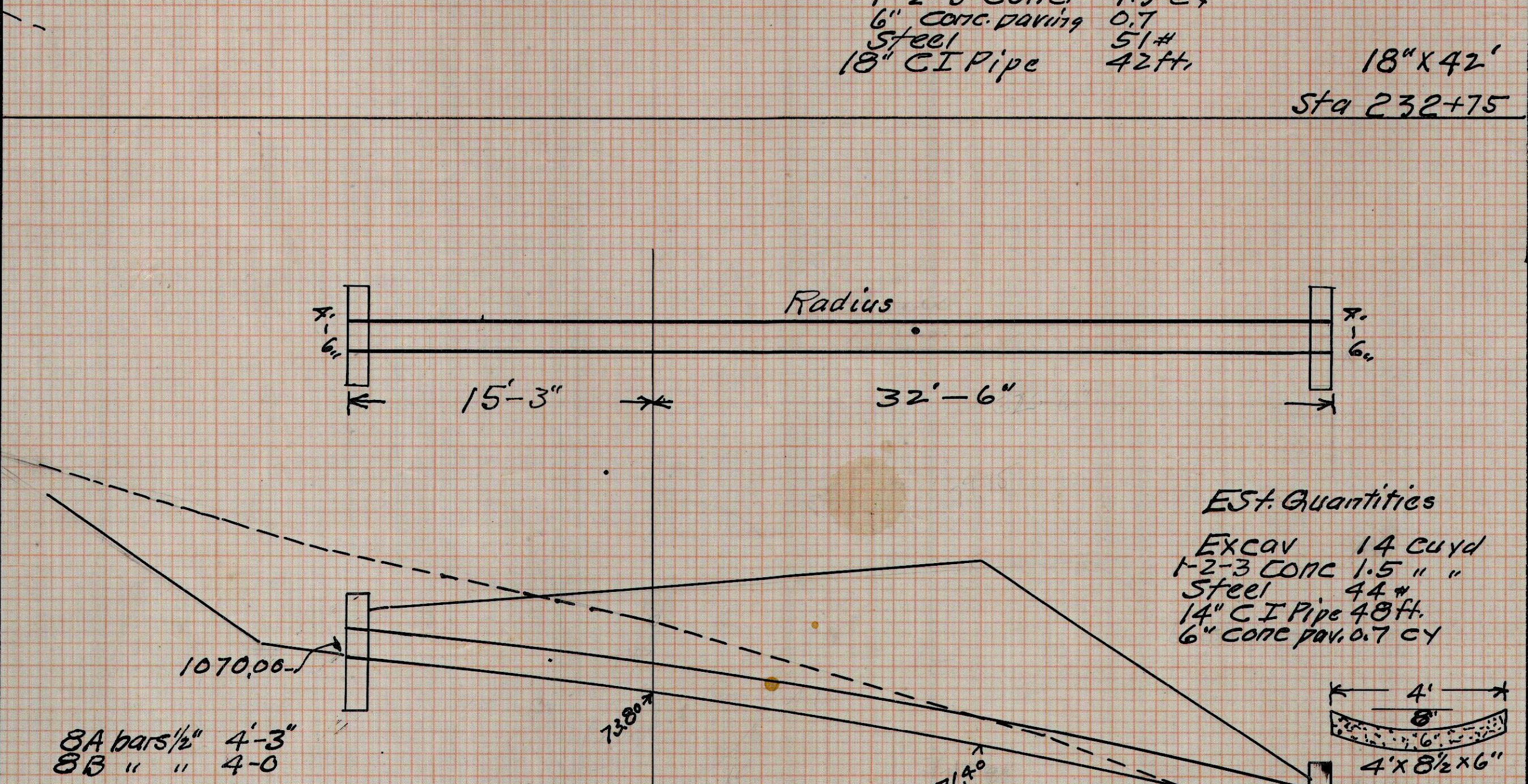
**Est. Quantities**  
Excav. 10 c.y.  
1-2-3 conc 2.3  
Steel 55 lbs  
18" CI Pipe 48 ft  
6" conc paving 0.7 c.y.



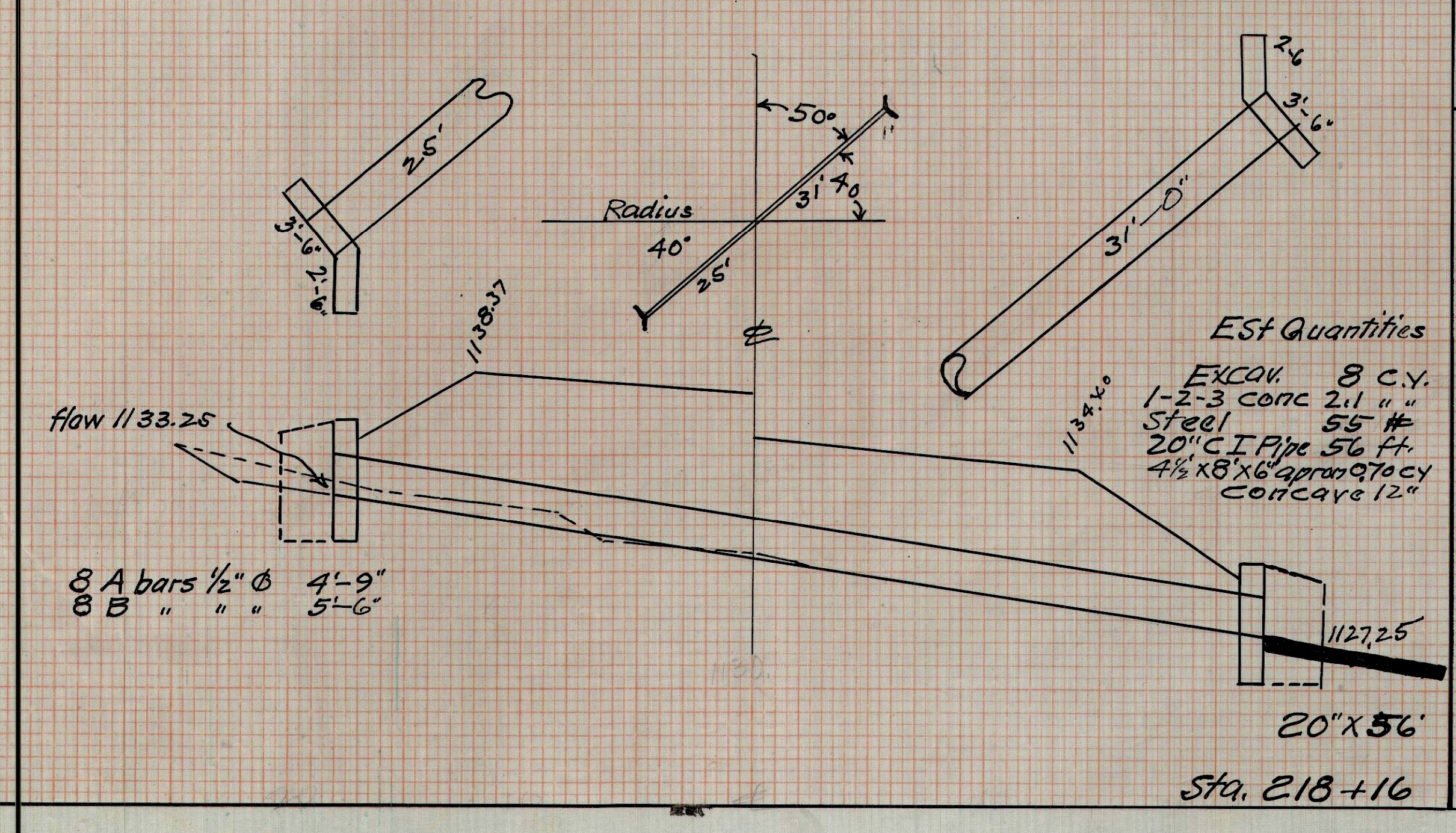
**Est. Quantities**  
Excav. 8 c.y.  
1-2-3 conc 1.9 c.y.  
6" conc paving 0.7  
Steel 51#  
18" CI Pipe 42 ft



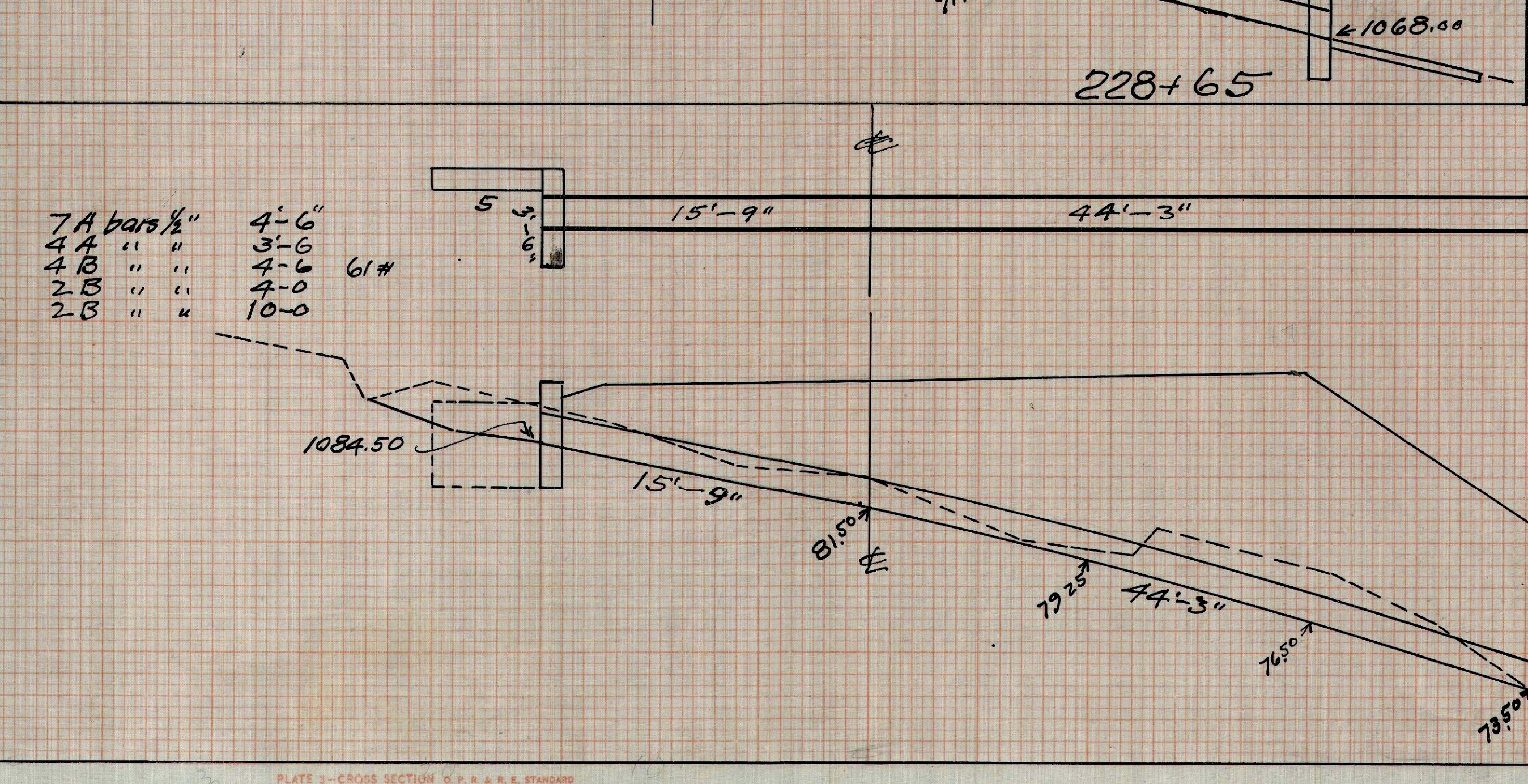
**Est. Quantities**  
Excav. 14 c.y.  
1-2-3 conc 1.9 "  
Steel 50 lbs  
16" CI Pipe 38 ft



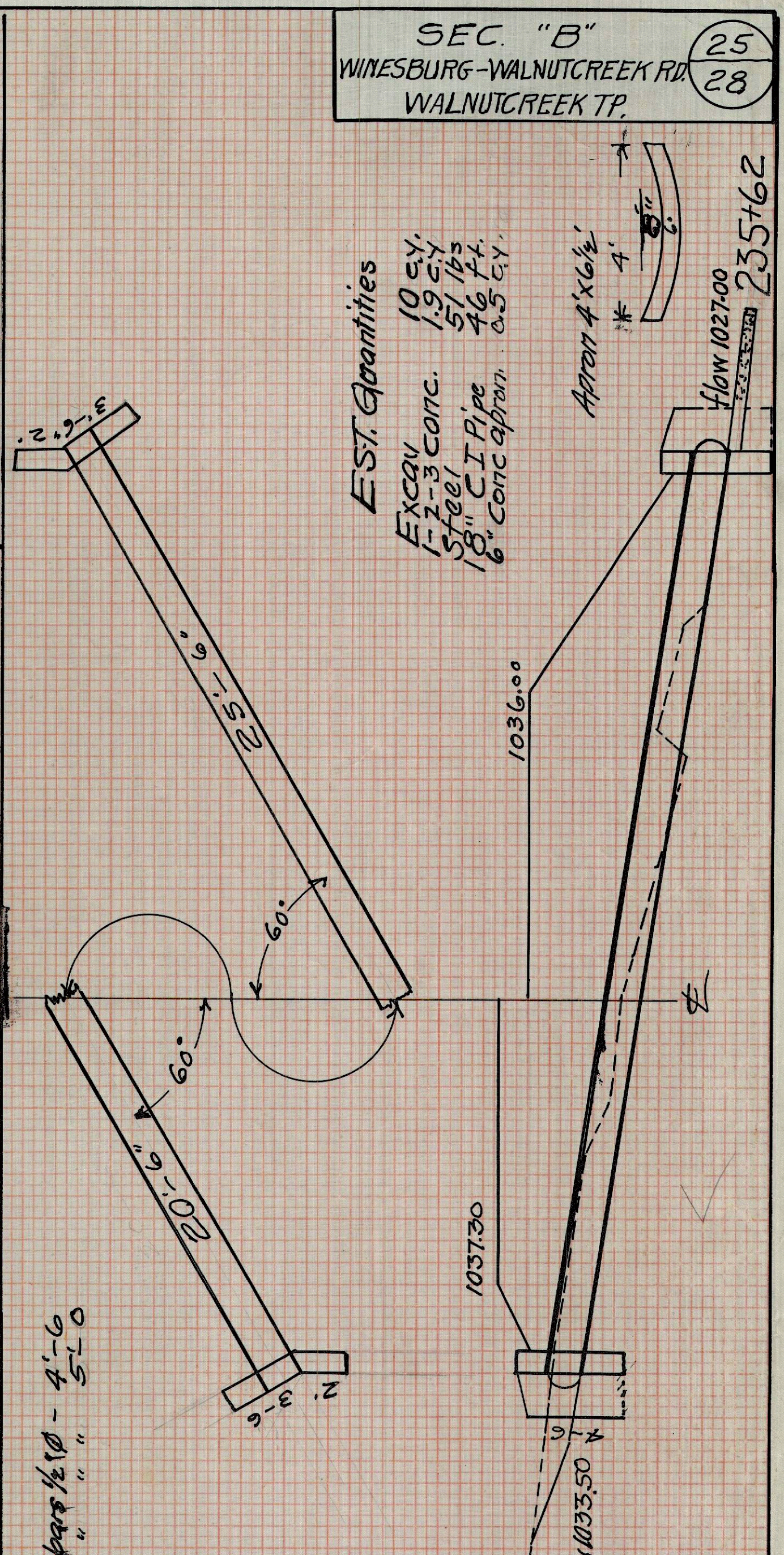
**Est. Quantities**  
Excav. 14 cu yd  
1-2-3 conc 1.5 "  
Steel 44#  
14" CI Pipe 48 ft  
6" conc pav. 0.7 c.y.



**Est. Quantities**  
Excav. 8 c.y.  
1-2-3 conc 2.1 "  
Steel 55#  
20" CI Pipe 56 ft  
4 1/2 x 8 x 6" apron 0.7 c.y.  
conc pave 12"

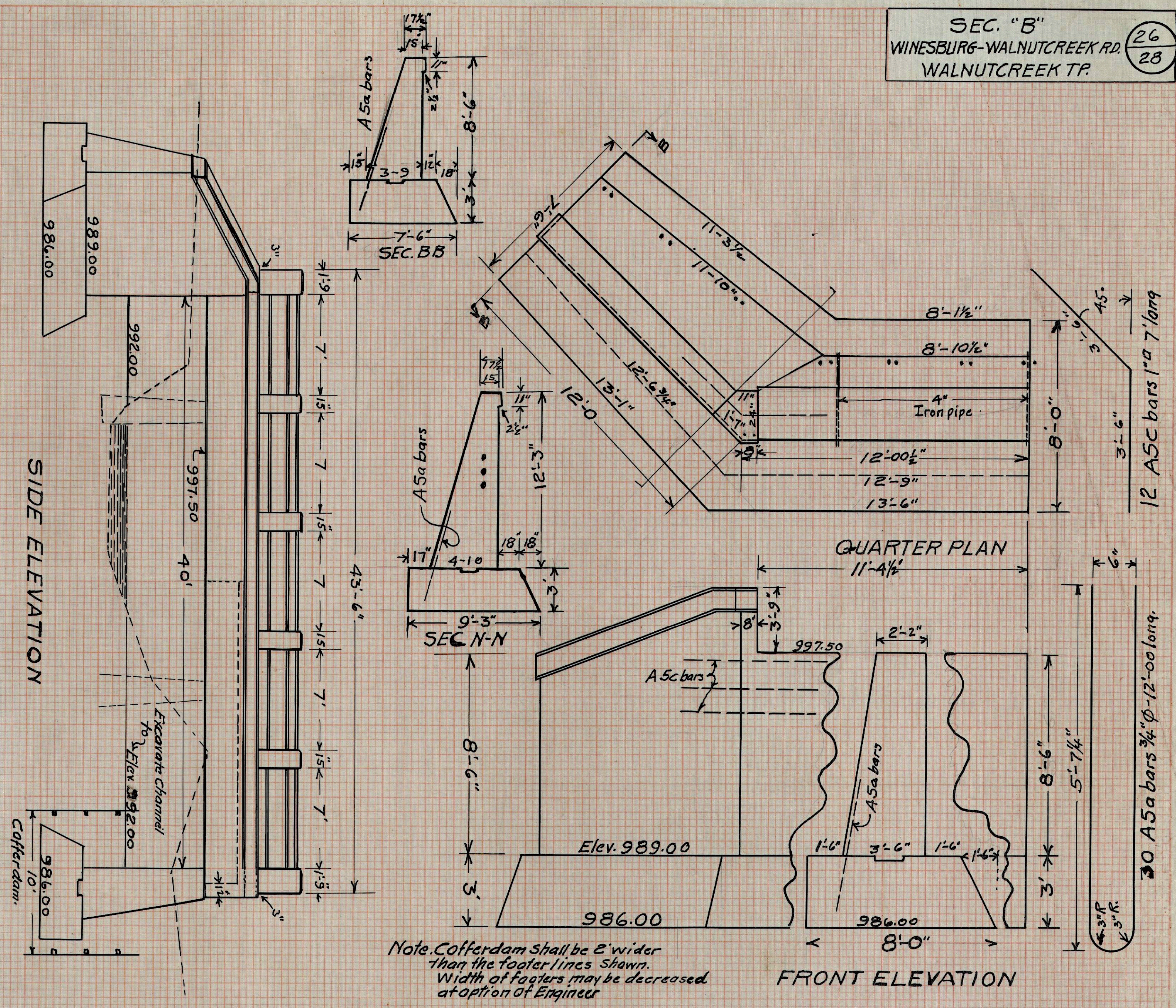


**Est. Quantities**  
Excav. 12 c.u. yds.  
1-2-3 conc 2.8 "  
Steel 61#  
16" CI Pipe 60 ft  
6" conc paving 0.7 c.y.

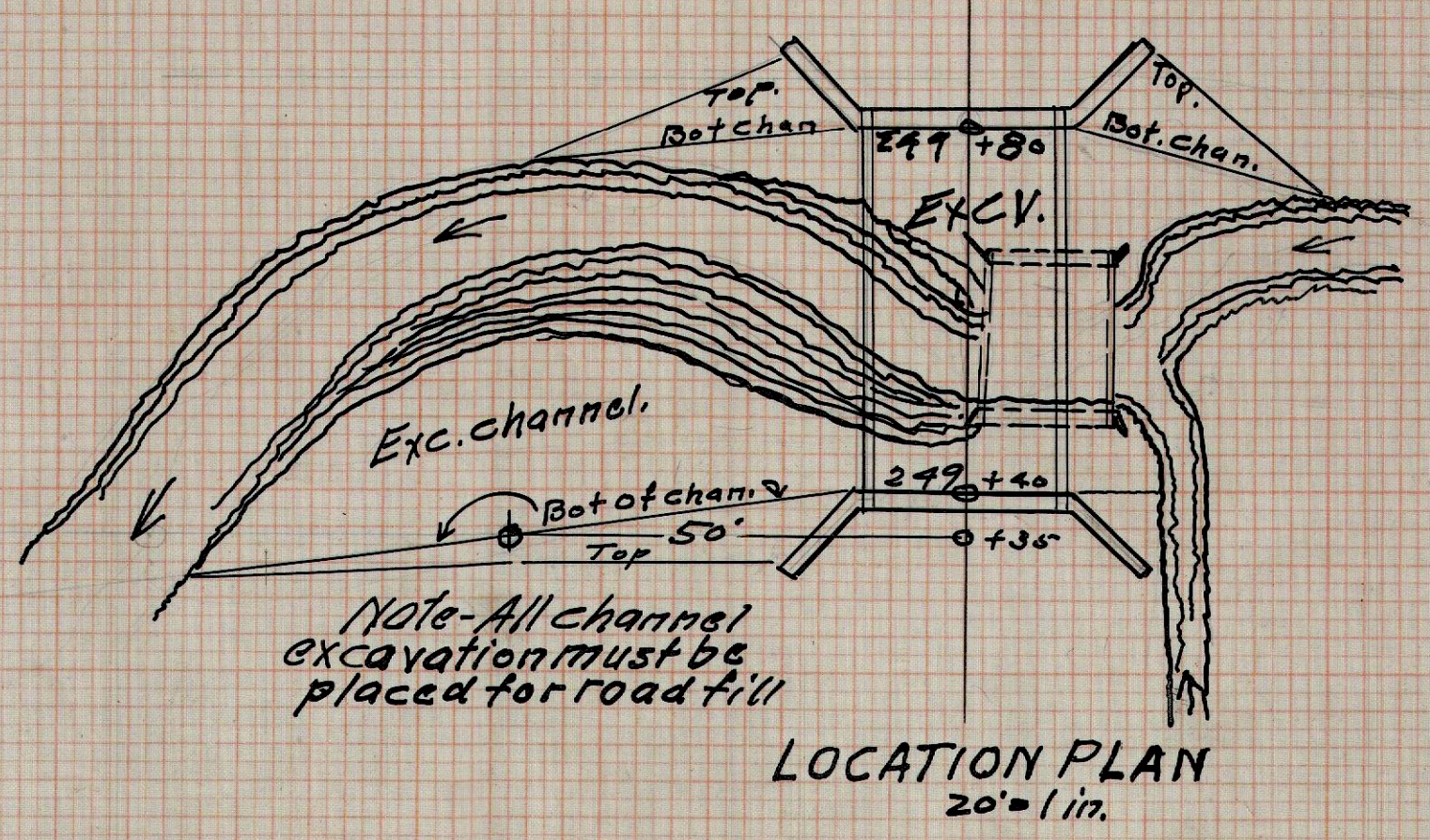


**Est. Quantities**  
Excav. 10 c.y.  
1-2-3 conc 1.9 c.y.  
Steel 51 lbs  
18" CI Pipe 46 ft  
6" conc paving 0.5 c.y.





Note: Cofferdam shall be 2' wider than the footer lines shown. Width of footers may be decreased at option of Engineer.



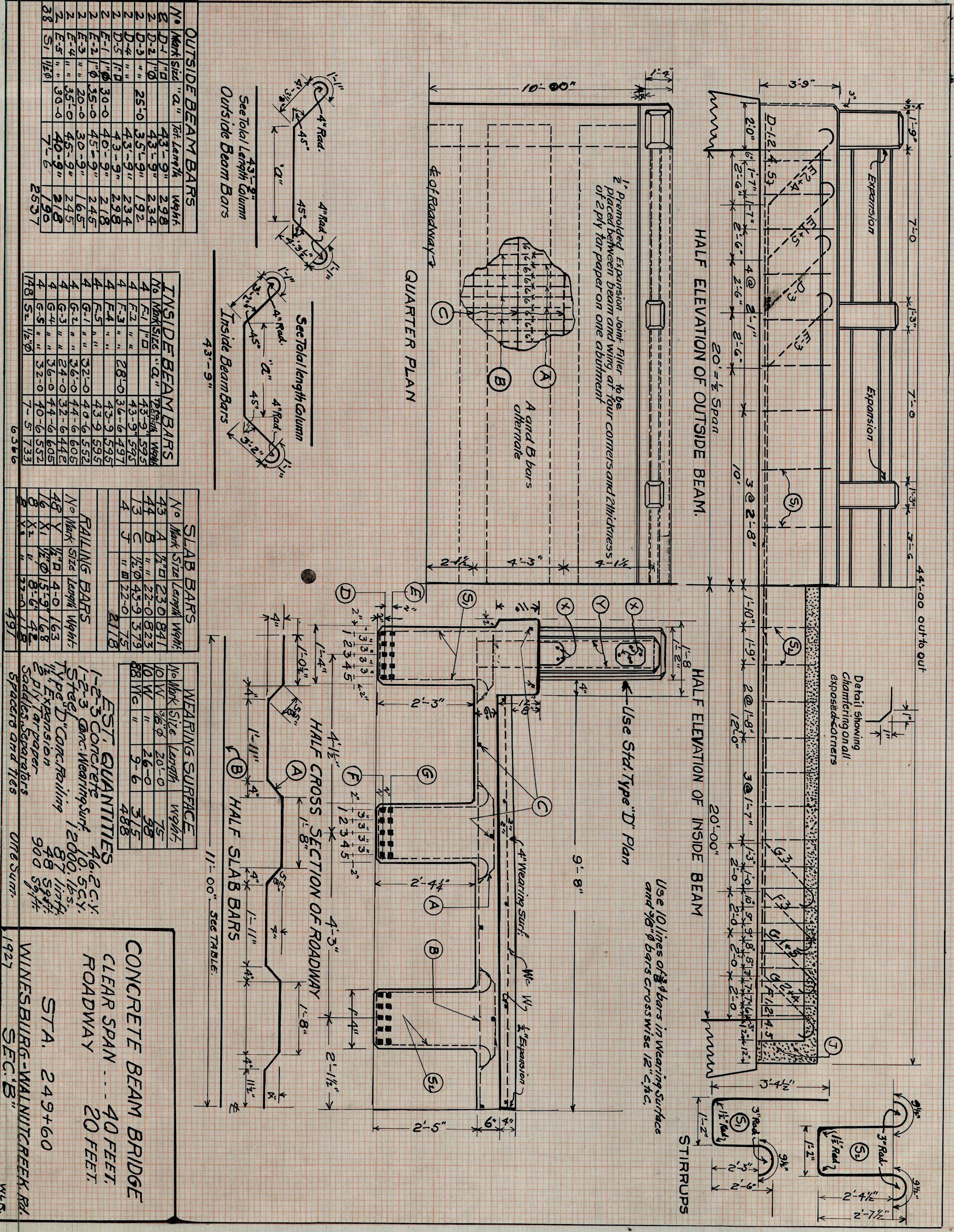
Note: All channel excavation must be placed for road fill.

**ESTIMATED QUANTITIES**

Excav+Refill Dry	166 c.y
"    Wet	226 " "
Channel excavation	3.60 " "
1'-2 1/2" 4" Concrete footers	76.6 " "
1'-2 1/2" 4" " " Abutments	92.7 " "
Steel	
30 A5a bars 3/4" φ 12'-0"	540 lbs
12 A5c " 1" φ 7'-0"	286 " }
8 A5c " 1/2" φ 5'-0"	34 " }
6 pcs 4" Iron pipe 4' long	860#

All Aggregates Grade A.  
All Workmanship and Material shall conform to specifications

**PLAN FOR  
BRIDGE SUB-STRUCTURE  
Sta. 249+60**



1' Permeoid Expansion Joint Filler to be placed between beam and wing, at four corners and 2" thickness of 2 ply tar paper on one abutment.

Detail showing chamfering on all exposed corners

Use 10 lines of #8 bars in Wearing Surface and #6 # bars crosswise 12" c/c.

**OUTSIDE BEAM BARS**

No	Mark	Size	Vol Length	Weight
1	D-1	1 1/2"	43'-9"	2.98
2	D-2	" "	43'-9"	2.34
3	D-3	" "	25'-0"	1.92
4	D-4	" "	43'-9"	2.34
5	D-5	1 1/2"	43'-9"	2.98
6	E-1	1 1/2"	40'-9"	2.48
7	E-2	" "	45'-9"	2.45
8	E-3	" "	20'-0"	1.65
9	E-4	" "	35'-0"	2.45
10	E-5	" "	40'-9"	2.48
11	S1	1/2"	7'-6"	1.90
12				2537

**INSIDE BEAM BARS**

No	Mark	Size	Vol Length	Weight
1	F-1	1 1/2"	72'-0"	4.96
2	F-2	" "	43'-9"	2.98
3	F-3	" "	28'-0"	1.92
4	F-4	" "	43'-9"	2.98
5	F-5	1 1/2"	43'-9"	2.98
6	G-1	" "	32'-0"	2.18
7	G-2	" "	40'-9"	2.48
8	G-3	" "	24'-0"	1.65
9	G-4	" "	32'-0"	2.18
10	G-5	" "	44'-6"	3.05
11	S2	1/2"	7'-5"	1.733
12				6386

**SLAB BARS**

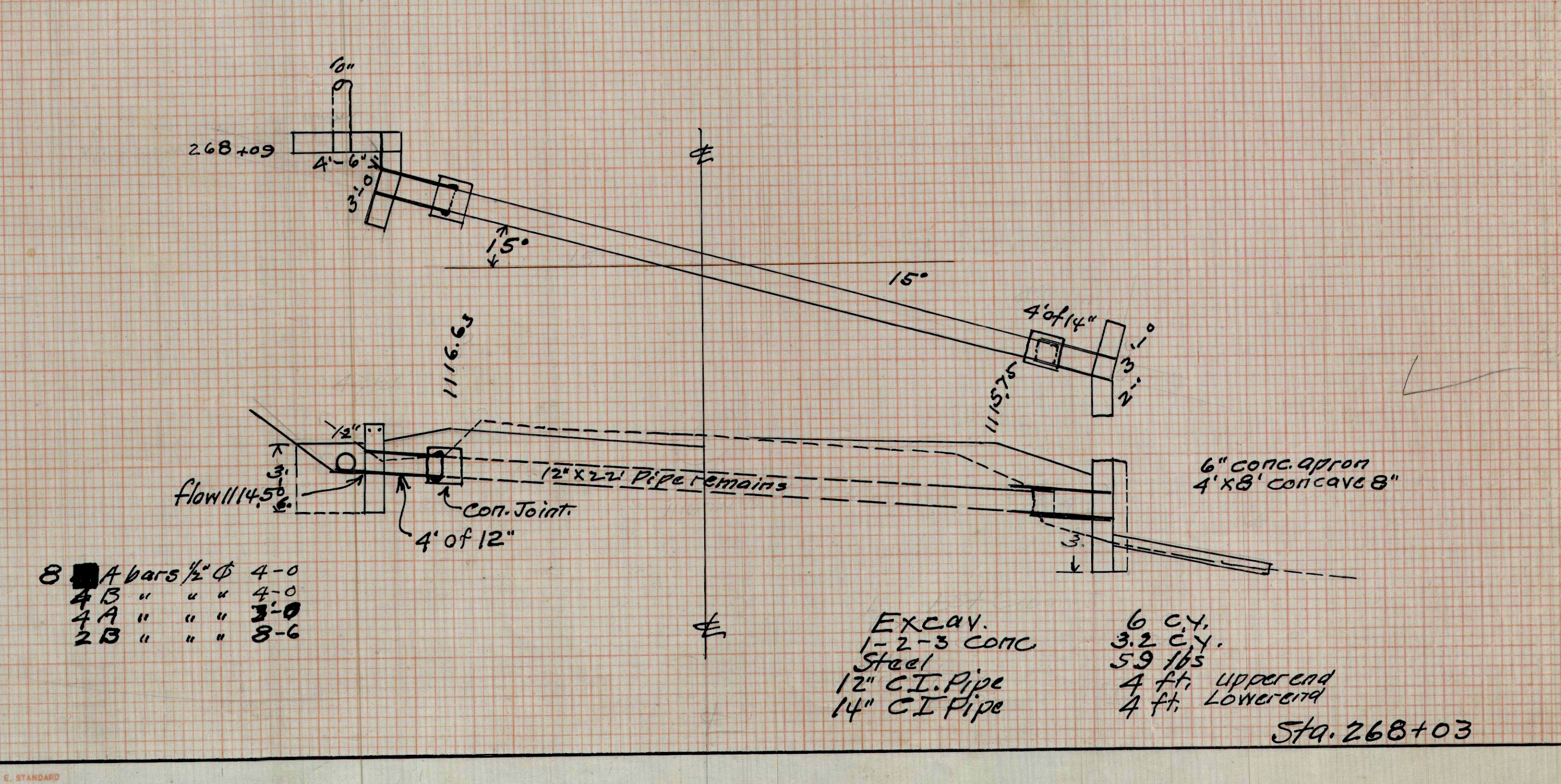
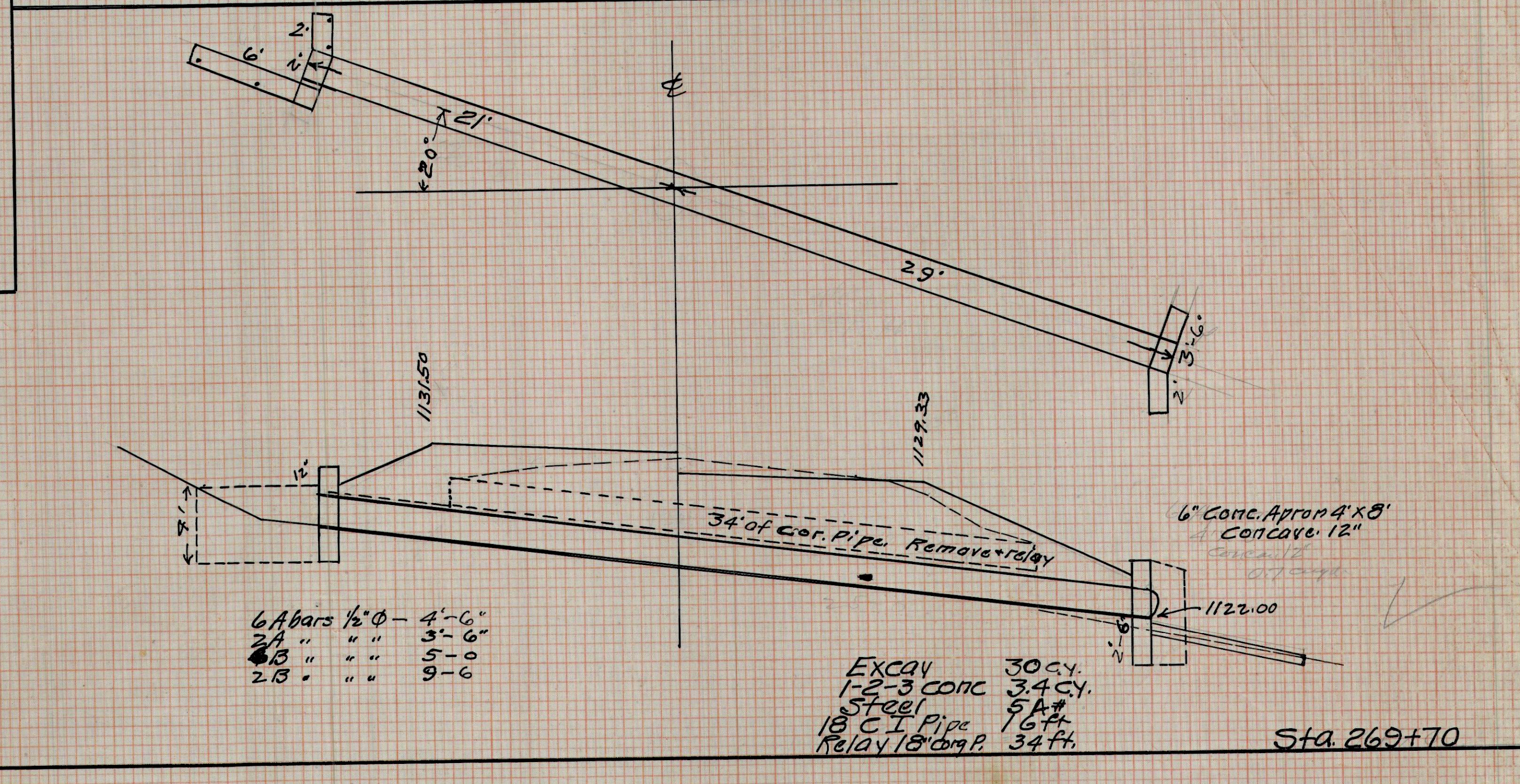
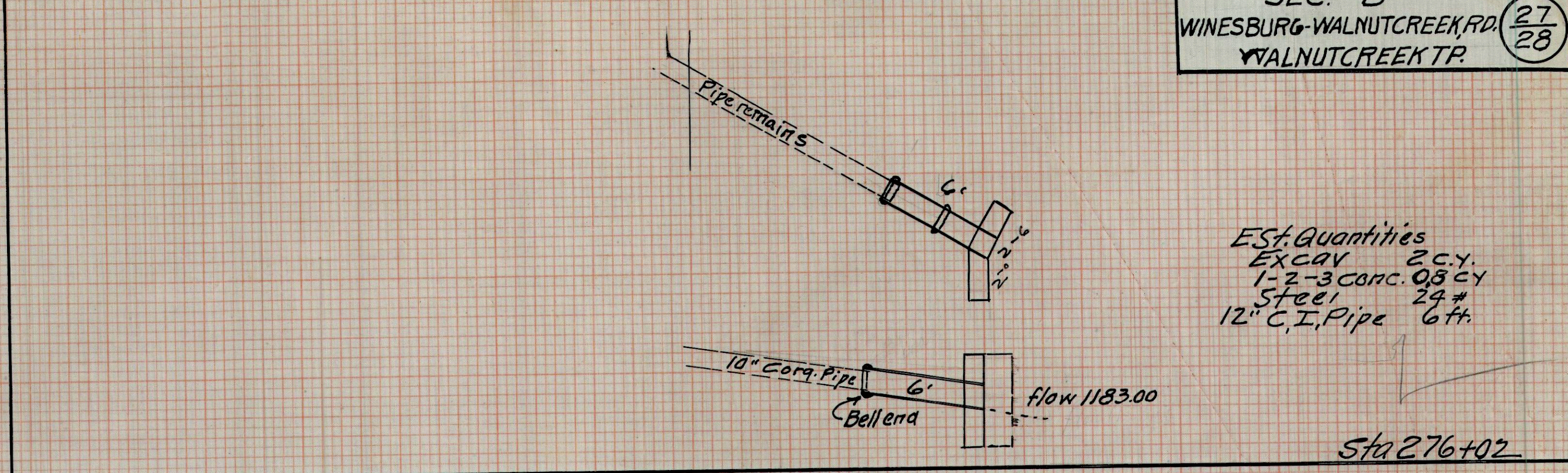
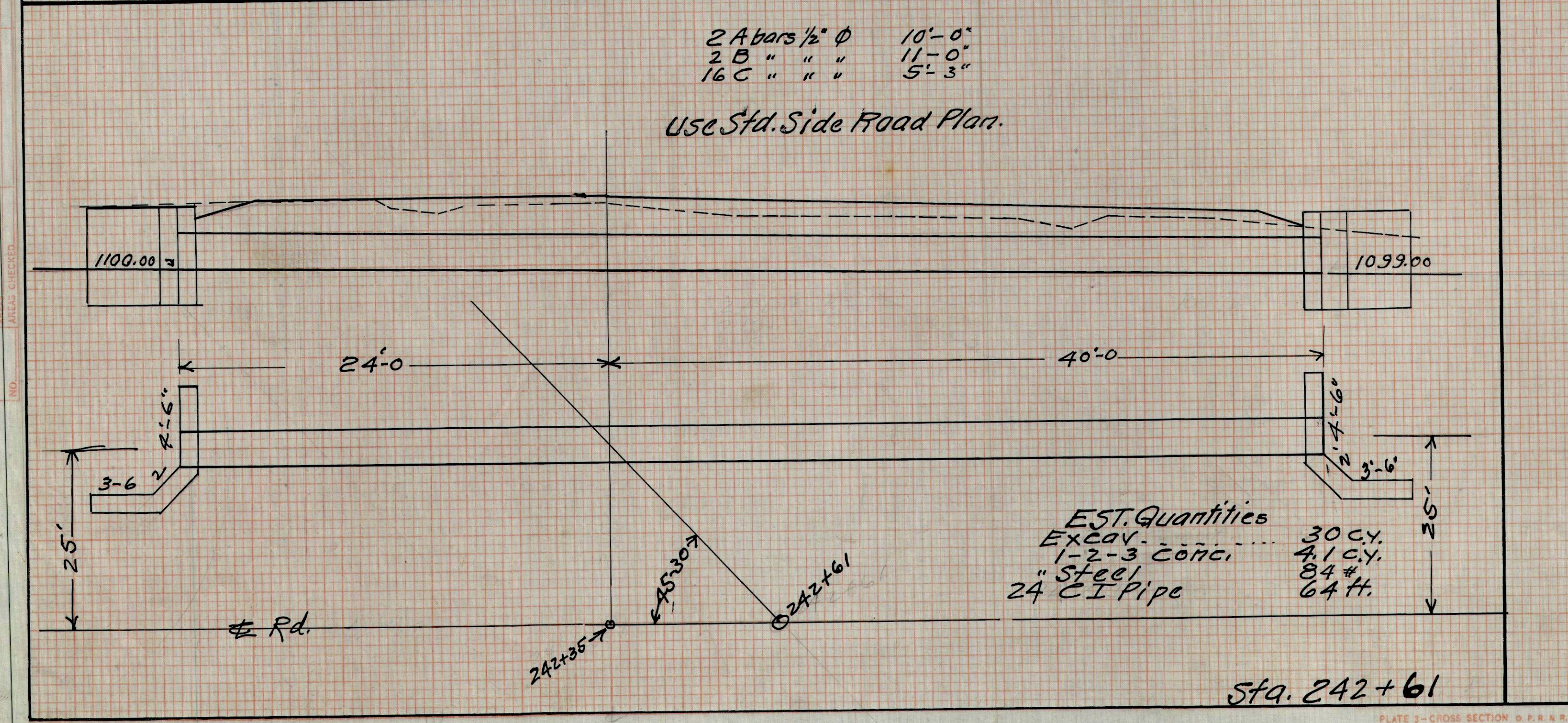
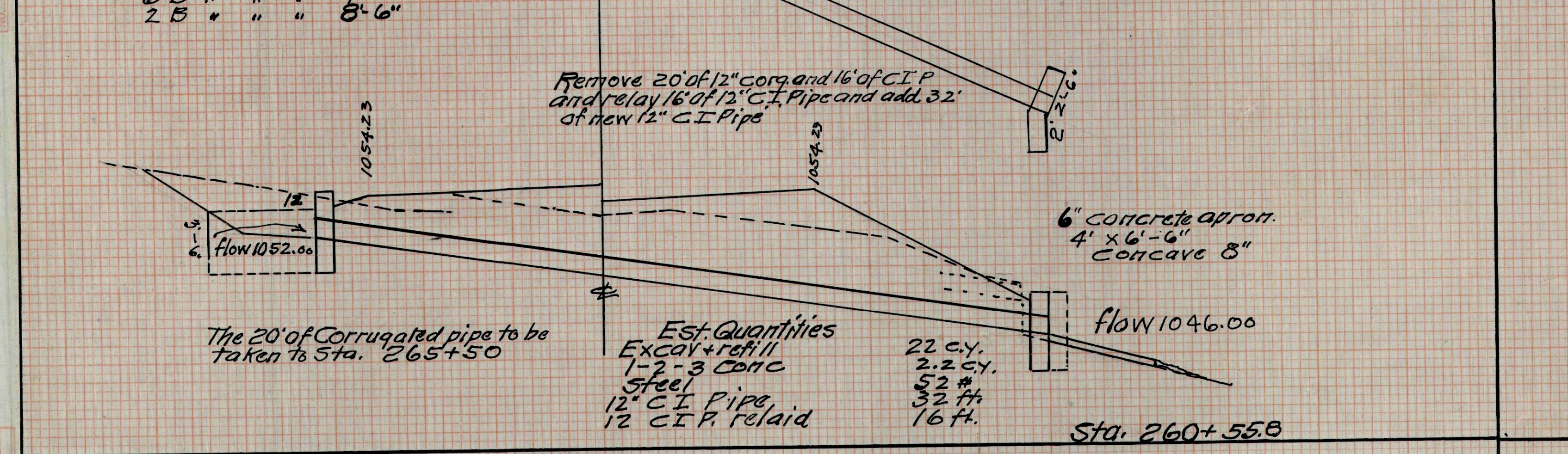
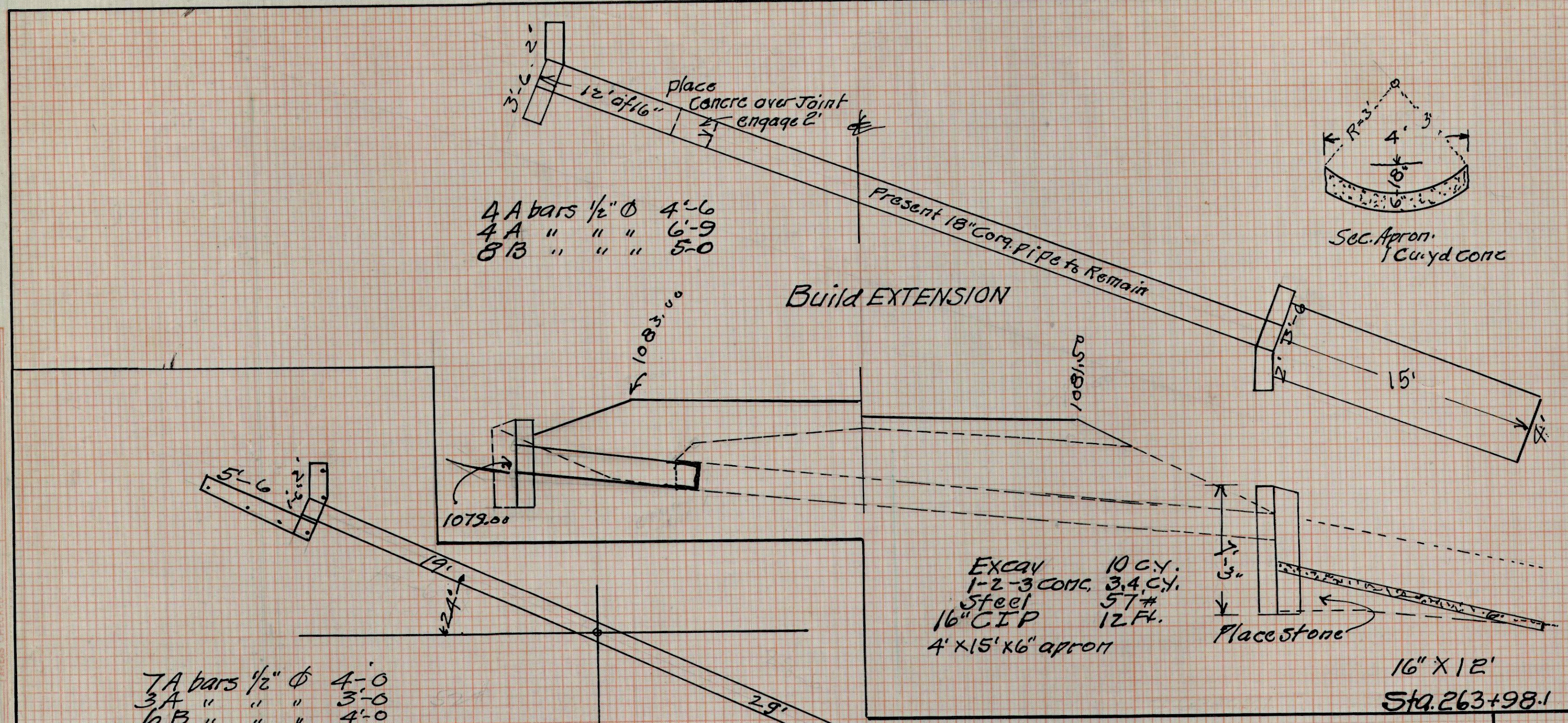
No	Mark	Size	Length	Weight
1	A	1/2"	23'-0"	841
2	B	" "	22'-0"	823
3	C	1/2"	45'-9"	379
4	J	" "	22'-0"	75
5				2118

**WEARING SURFACE**

No	Mark	Size	Length	Weight
1	X	3/8"	20'-0"	75
2	Y	" "	26'-0"	98
3	Z	" "	9'-6"	315
4				488

**CONCRETE BEAM BRIDGE  
CLEAR SPAN - 40 FEET,  
ROADWAY 20 FEET.**  
STA. 249+60  
WINESBURG-WALNUTCREEK RD.  
SEC. "B"







## SUMMARY OF QUANTITIES

ITEM	ROADWAY		QUANTITY
R-1	Excavation unclassified		26863 cu.yds
R-1	Borrow Fill		422 " "
R-1	Shale Sub base		154 " "
R-1	Finishing Shoulders & Ditches both sides		14833 Lin.Ft.
R-1	Clearing & Grubbing right of way		One Sum.
I-4	Vitrified Drain Tile 5"		100 Lin.Ft.
S-7	Vitrified Sewer Pipe for driveways 10"	Material Sec 6-7	848 " "
S-7	" " " " " " 12"	" " 6-7	118 " "
S-9	Corrugated Iron Pipe " " " 12"	" " 6-4(b-3)	110 " "
S-9	" " " " " " 18"	" " 6-4(b-3)	56 " "
S-8	12" Pipe removed and relaid		36 " "
S-1	1-2-3 Concrete for headwalls & Inlets	Material Sec. 2-1+3-1 or 2	7.9 cu.yds.
S-4	Reinforcing Steel	" Sec 7-1	318 lbs.
<b>PAVEMENT</b>			
T-2	# 46 Slag for Pavement traffic bound in place	Material Sec. 3-12	5268 Tons
T-2	# 46 " " Approaches and Stock Piles	" " 3-12	308 "
<b>CULVERTS &amp; BRIDGES</b>			
R-4	Excavation and Refill Dry		610 cu.yds
R-4	" " " " Wet		296 " "
R-4	Channel Excavation & placing for roadway		891 " "
S-1	Concrete 1-2-3 Mix in place	Material Sec. 2-1+Sec. 3-1 or 2	191.3 " "
S-1	" " 1-2½-4 " " "	" " " " " " "	248.1 " "
S-4	Reinforcing Steel in place	" " 7-1	21695 lbs.
S-8	Sectional Cast Iron Pipe in place 12"	" " 6-1	42 Lin.ft.
S-8	" " " " " " " 14"	" " 6-1	84 " "
S-8	" " " " " " " 16"	" " 6-1	146 " "
S-8	" " " " " " " 18"	" " 6-1	310 " "
S-8	" " " " " " " 20"	" " 6-1	260 " "
S-8	" " " " " " " 24"	" " 6-1	134 " "
S-8	12" to 18" Pipe taken up and relaid		50 " "
S-1	Type "D" Conc. Bridge Railing		141 " "
M-16	½" Prepared Expansion Felt.		70 sq. Ft.
M-10	2 ply Tar paper		988 " "
I-14	Removing 2 Old Structures & building 1 temporary bridge		One Sum.
S-4	Metal bars spacers, Saddles, Separators and ties.		One Sum.