

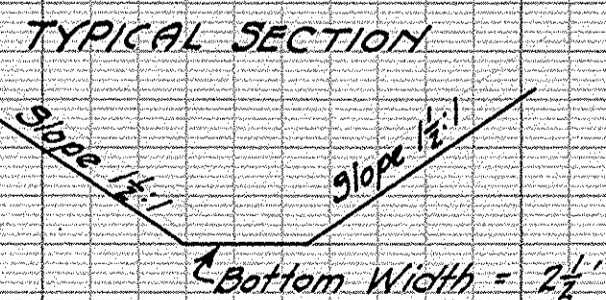
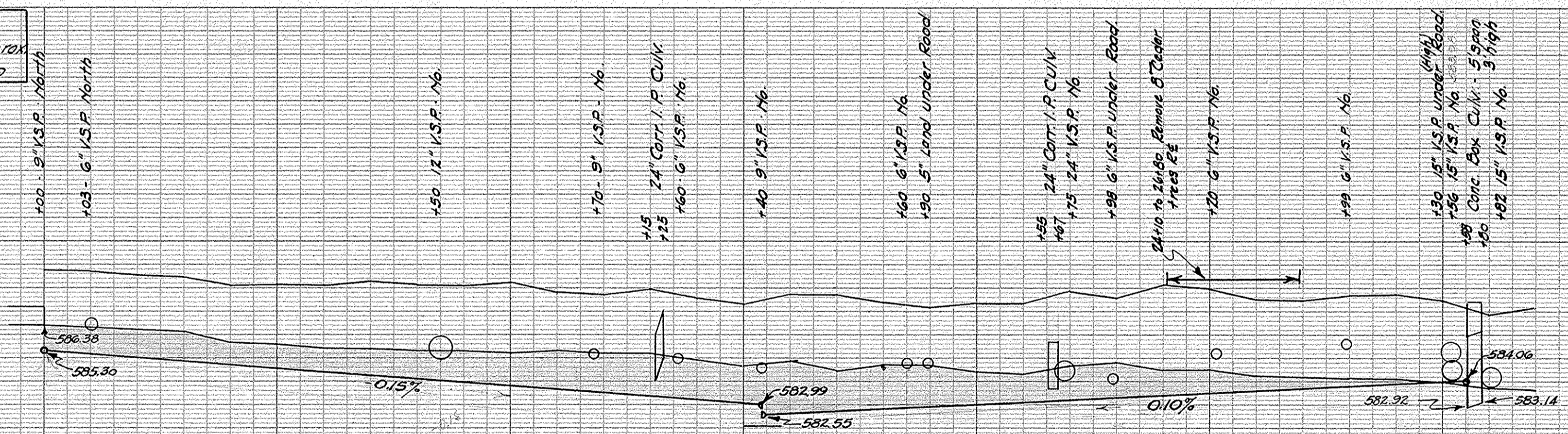
SCHMARDEBECK DITCH

MAIN DITCH

Sta. 0 to 30+58

B.M. Ele. 588.06
R.R. Sp in Elm approx
200' South of 0+00

B.M. Ele. 587.98
West end So Hwy
Road CULV. W.R. Rd
Sta. 30+50



NOTE: The road side slope shall not be cut; all slope excavation shall be from the farm side.

NOTE: Culverts at Stations 13+15 and 21+55 to be taken up, cleaned and relaid to new grade. Compensation for this work is included in 'price bid' for excavation.

No of Cubic Yards	Width of Top	Width of Bottom	Cut from Hub	Station
63	13.6'	2.5'	3.43'	0
44	12.4'	2.5'	3.49'	1
50	13.4'	2.5'	3.53'	2
57	13.5'	2.5'	3.56'	3
50	13.6'	2.5'	3.53'	4
43	13.8'	2.5'	3.59'	5
44	12.6'	2.5'	3.73'	6
44	12.2'	2.5'	4.05'	7
48	13.2'	2.5'	4.07'	8
59	15.0'	2.5'	4.08'	9
65	13.8'	2.5'	4.42'	10
70	14.8'	2.5'	4.21'	11
78	14.6'	2.5'	4.27'	12
82	15.5'	2.5'	4.59'	13
80	15.5'	2.5'	4.36'	14
74	15.5'	2.5'	4.21'	15
93	18.5'	2.5'	5.06'	16
104	17.2'	2.5'	5.07'	17
89	15.5'	2.5'	4.57'	18
74	15.4'	2.5'	4.76'	19
56	14.4'	2.5'	4.36'	20
48	15.2'	2.5'	4.22'	21
54	15.3'	2.5'	4.61'	22
56	16.2'	2.5'	4.27'	23
56	15.0'	2.5'	4.72'	24
48	13.9'	2.5'	4.45'	25
35	13.7'	2.5'	3.91'	26
36	13.1'	2.5'	3.70'	27
24	13.0'	2.5'	3.92'	28
13	11.1'	2.5'	3.14'	29
8	18.1'	2.5'	3.41'	30
6				31
				32
Total Cu. Yds. =				1701

SCHMARDEBECK DITCH

PROPOSED CUTOFF

BORMANS EAST LINE

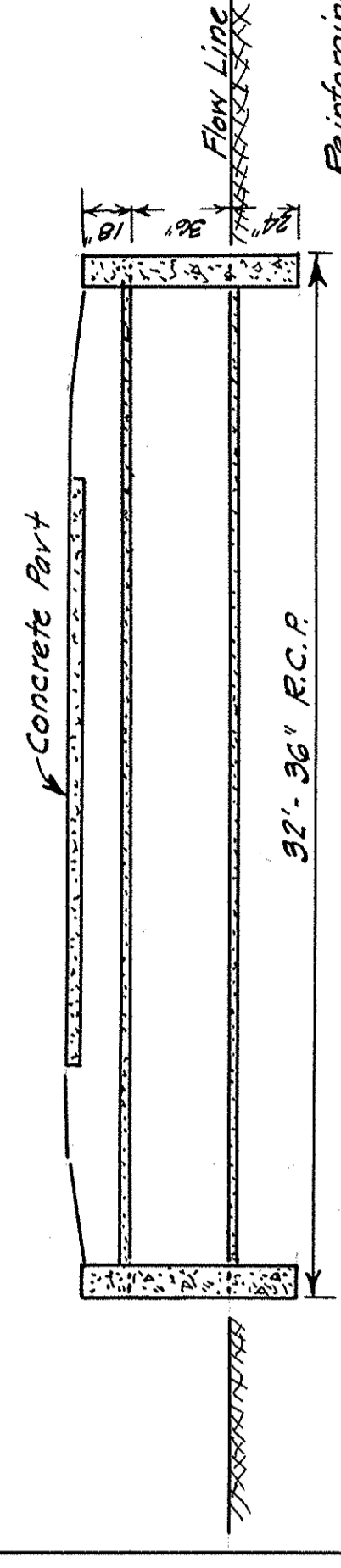
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CULVERT A1+05

Work Required: Remove 32" R.C.P. and approx. 6' of 18" plain concrete pavement. Headwalls shall be removed.

Lay 32" - 36" R.C.P. to new grade and build two (2) standard concrete headwalls. Headwalls shall be 11'-0" wide by 1'-0" thick by 6'-6" high with reinforcing. Backfill on pipe shall be thoroughly tamped. Repair concrete pavement with plain concrete 8" thick.

Headwalls and pavement concrete shall be 1:5 1/2 mix. The 18" R.C.P. shall be stacked along the E/W and the County will remove.



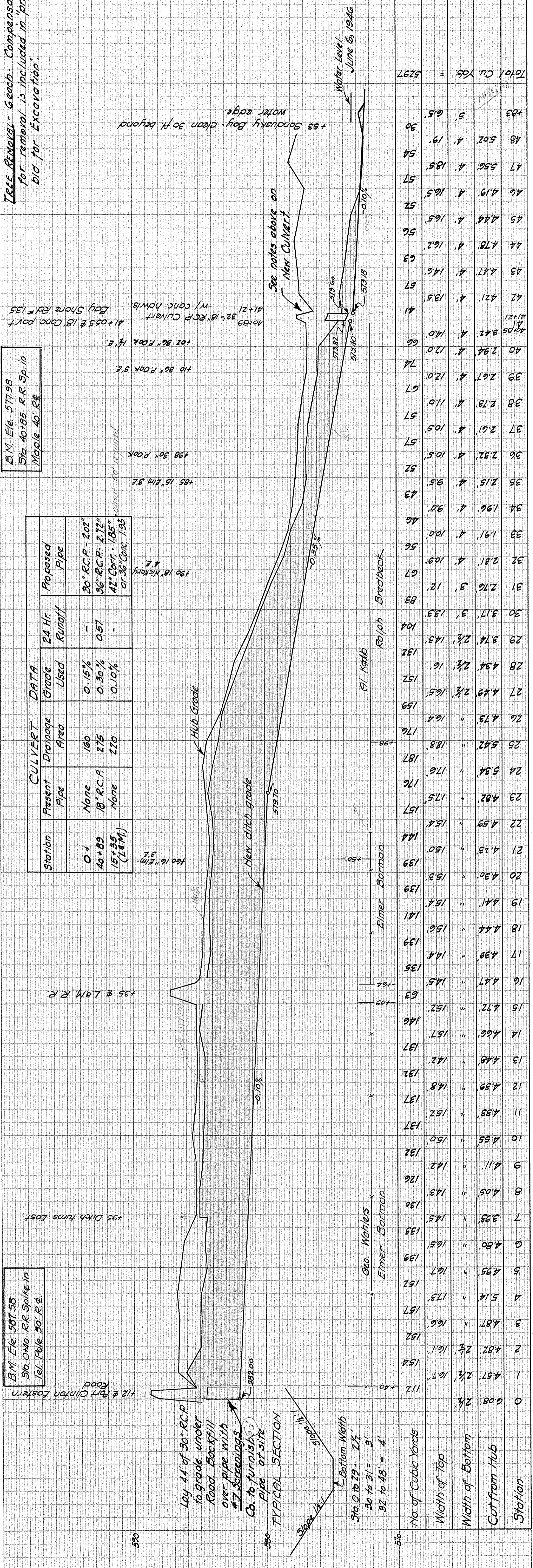
Reinforcing in One Wall:
Horizontal Bars: Each 10'-6"
Vertical Bars: 4 each - 6'-0"
The Standard Specifications of the State of Ohio Dept. of Highways will govern the construction of this culvert.

Estimated Quantities:
Excavation 32 Cu Yds
36" R.C.P. County to furnish at site
Concrete (1-5 1/2 mix) 7.5 Cu Yds
Reinf. Steel (1/2" stack) 90 lbs.

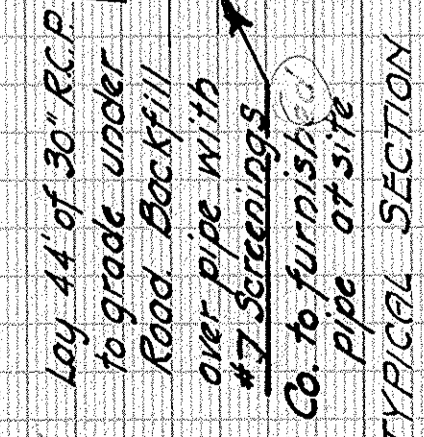
B.M. Elev. 587.98
Sta. Ohio R.R. Spike in
Tel. Pole 30' R.G.

B.M. Elev. 577.98
Sta. 40+95 R.R. Sp. in
Maple 40' R.G.

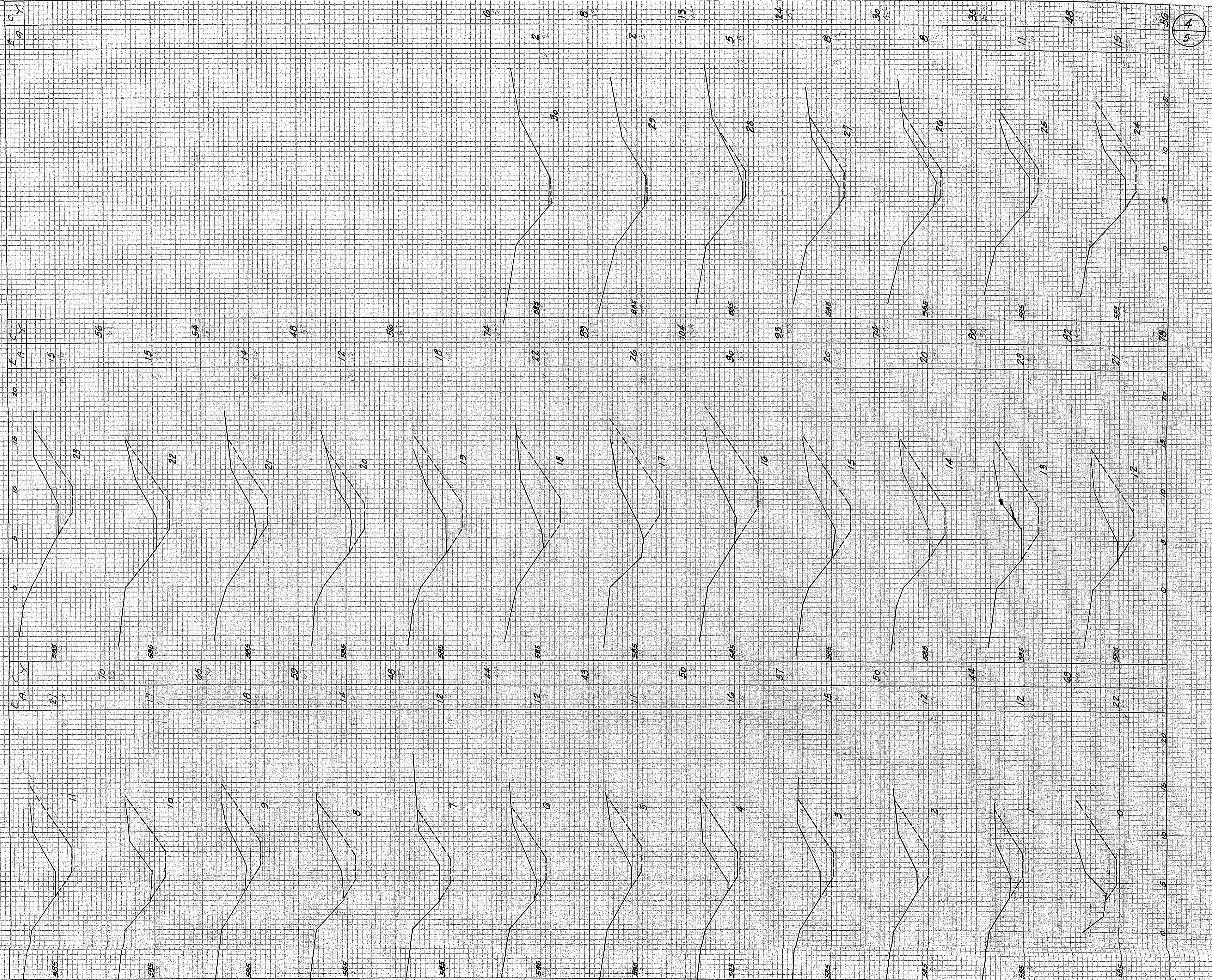
ICE Removal - Each Compensation for removal is included in price bid for Excavation.



Station	Present Pipe	Drainage Area	Grade Used	24 Hr. Runoff	Proposed Pipe
0+	None	160	0.15%	-	30" R.C.P. - 20'
40+89	18" R.C.P.	275	0.30%	0.57	36" R.C.P. - 27'
15+95 (14+4)	None	220	0.10%	-	42" Corrt. - 185" or 36" Conc. 195'



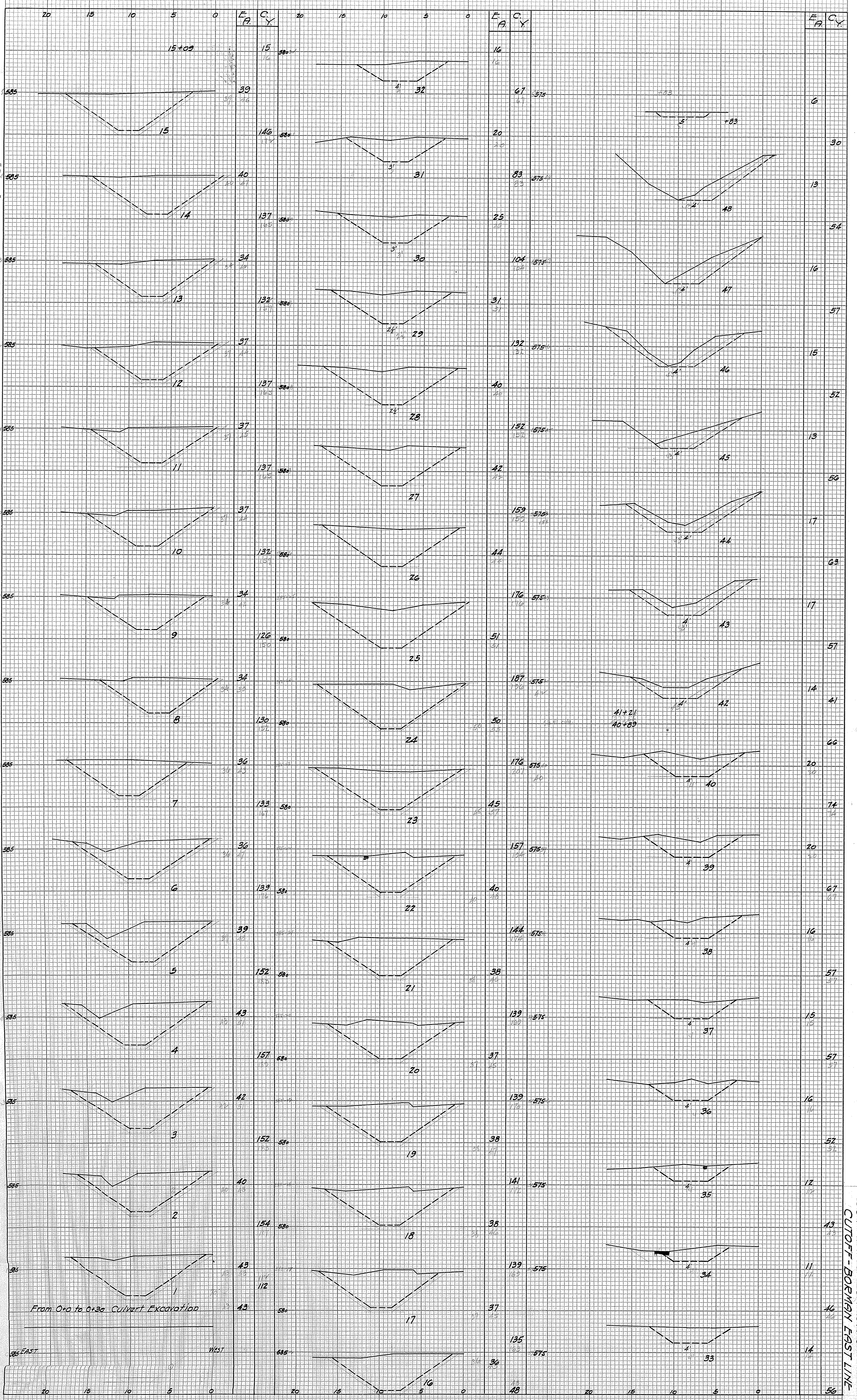
1761
2099



54

TRAVERSE CROSS SECTION 10 X 10 TO 1"
E. ELLIOTT CO.
MADE IN U.S.A.

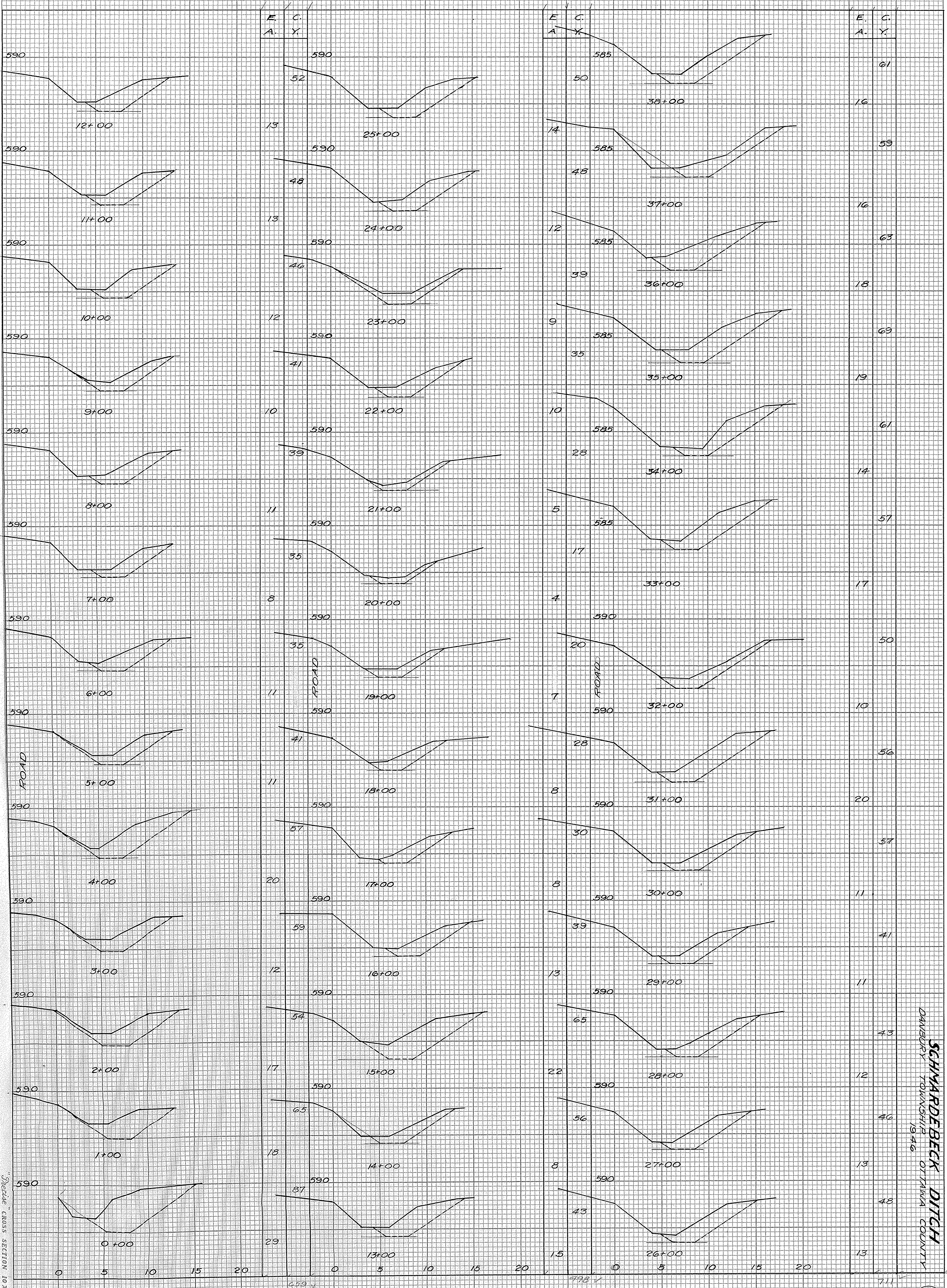
TRAVERSE CROSS SECTION 10 X 10 TO 1"
E. ELLIOTT CO.
MADE IN U.S.A.



SCHWARZBECK DITCH
CUTOFF-BORMAN EAST LINE

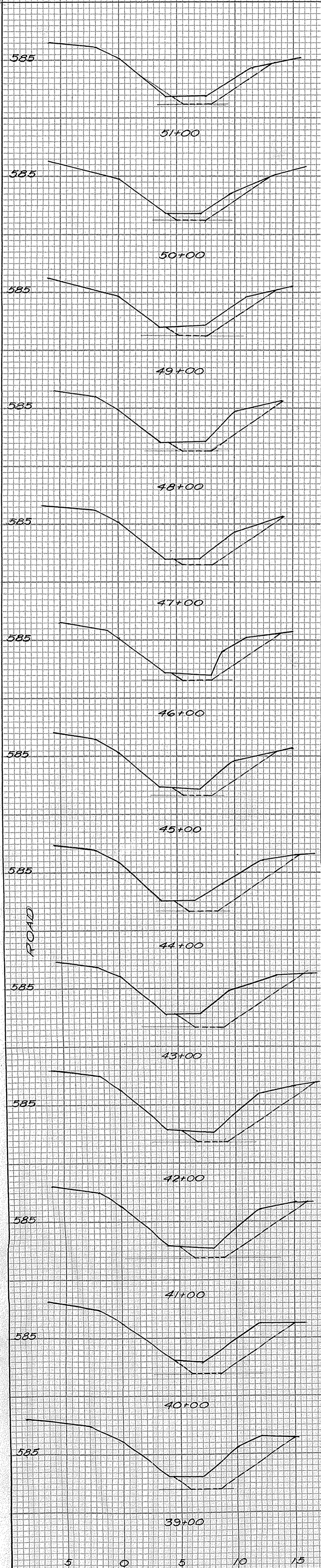
59

"Dredge" CROSS SECTION 10 X 10 TO 1"
B. K. KELLOGG CO.
MADE IN U.S.A.

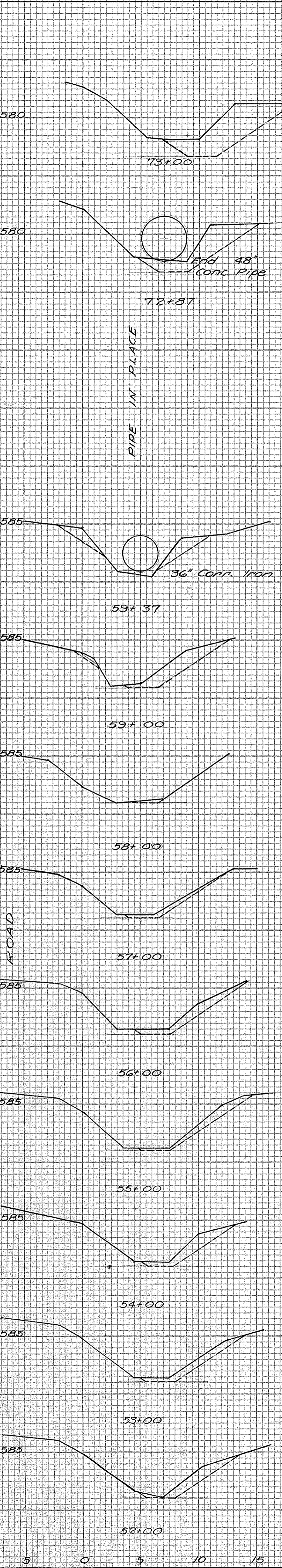


SCHMAREBECK DITCH
DANIEL TOWNSHIP
1946
OTTAWA COUNTY

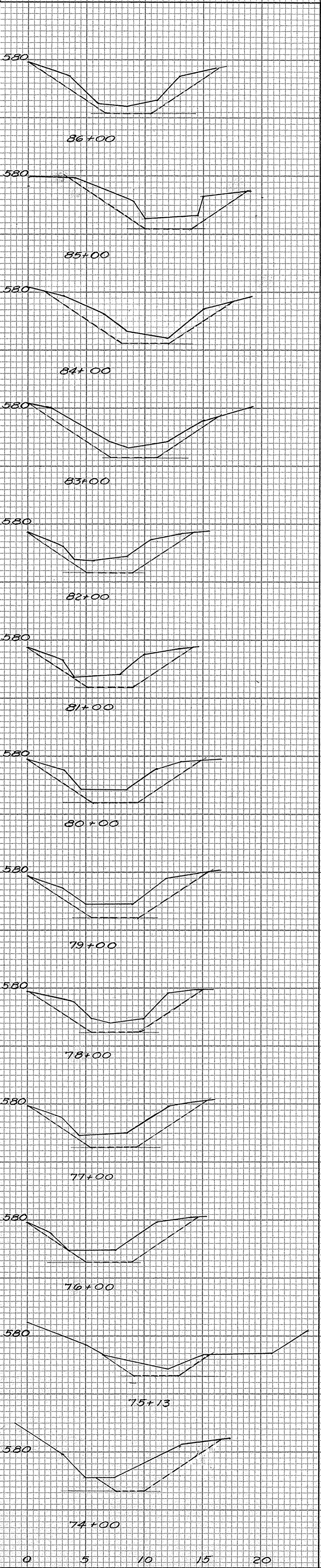




E. A.	C. Y.
585	20
6	
585	19
4	
585	20
7	
585	28
8	
585	30
8	
585	33
10	
585	35
9	
585	44
15	
585	57
16	
585	57
15	
585	52
13	
585	50
14	
585	57
17	



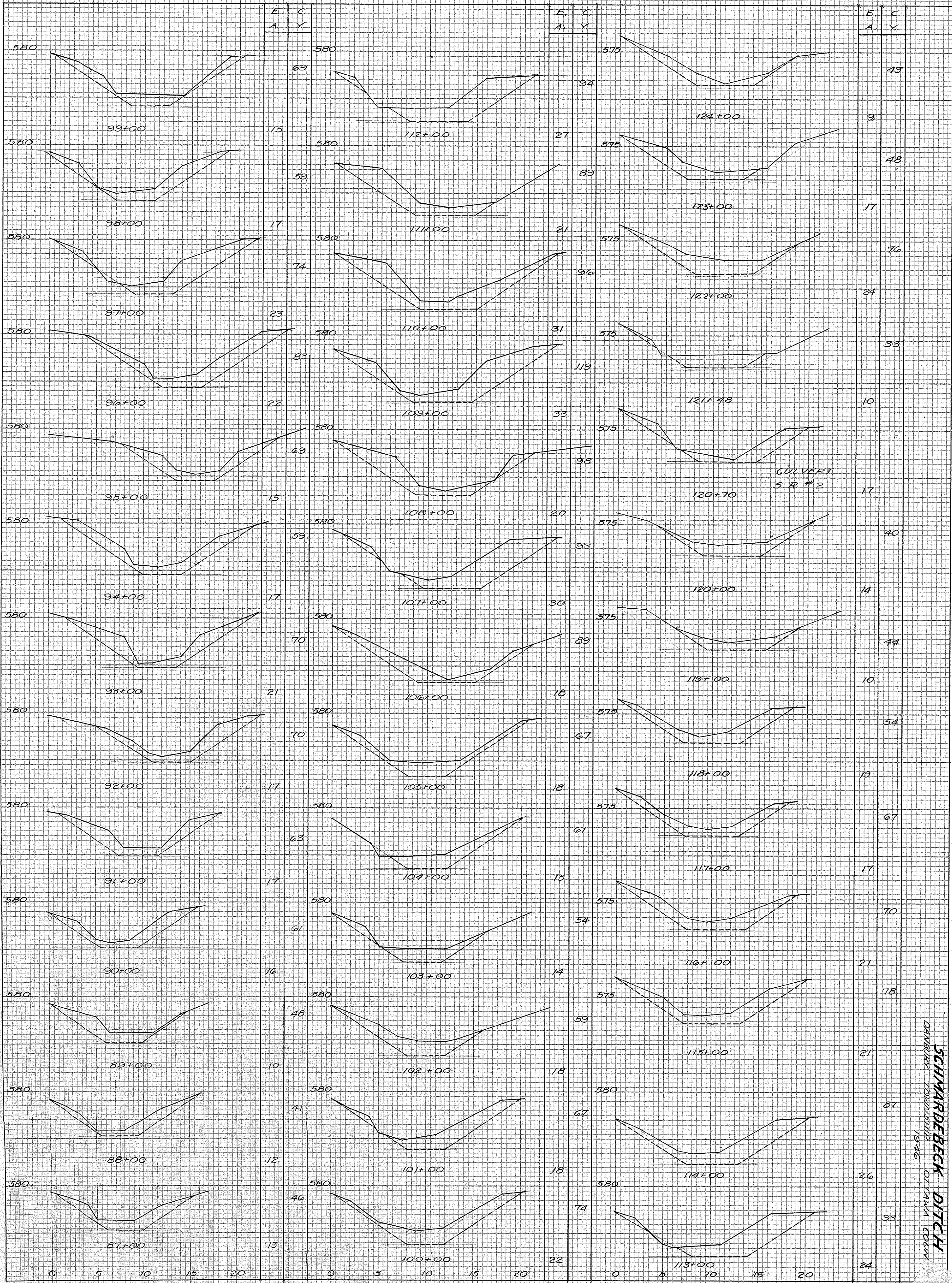
E. A.	C. Y.
580	70
23	
580	9
13	
580	15
3	
580	7
8	
580	17
1	
580	15
3	
580	15
5	
580	19
5	
580	19
5	
580	17
4	
580	17
5	



E. A.	C. Y.
580	52
15	
580	59
17	
580	57
14	
580	54
15	
580	56
15	
580	57
16	
580	59
16	
580	63
18	
580	61
15	
580	52
13	
580	32
7	
580	46
15	

5021
2854
704

SCHWARZBECK DITCH
 DANBURY TOWNSHIP OTTAWA CO. N.Y.
 1946



"Precision" CROSS SECTION 10 X 10 TO 1"
 B. K. ELLIOTT CO.
 MADE IN U.S.A.

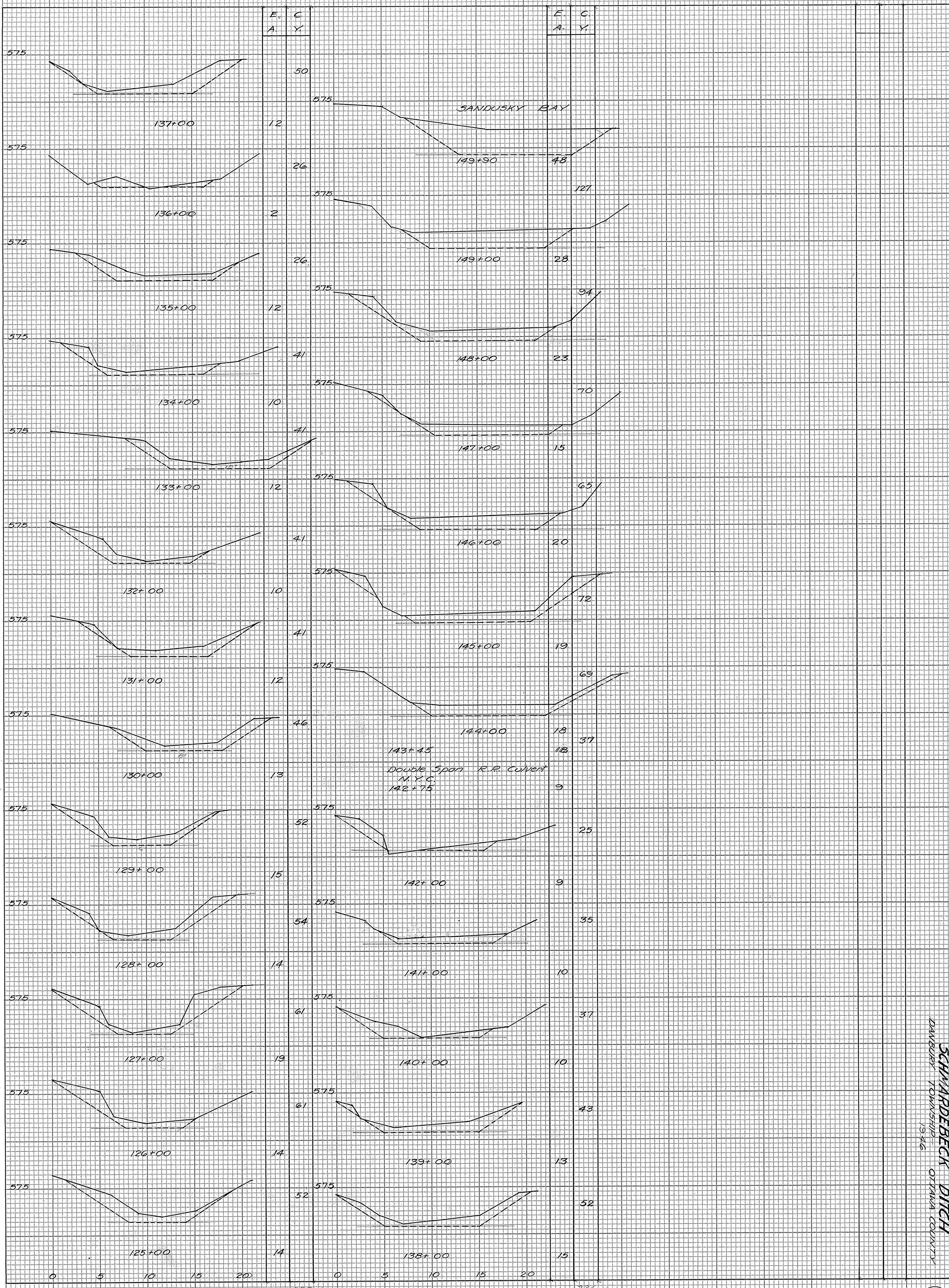
"Precision" CROSS SECTION 10 X 10 TO 1"
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 MADE IN U.S.A.

SCHWARZBECK DITCH
 DANBURY TOWNSHIP
 OTTAWA COUNTY
 1946

812

1060

735



592.4 726
 TOTAL C.Y. 7202

SCHMIDTBECK DITCH
 DANBURY TOWNSHIP
 1946
 OTAWA COUNTY



"Precision" CROSS SECTION 10 X 10 TO 1"
 B. K. ELLIOTT CO.
 MADE IN U.S.A.

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