FED. RD. DIST. NO.	STATE	FED. PROJ. NO.	FISCAL YEAR.
10.	OHIO.		1930.

S.H.(I.C.H.) 118. SEC. "d".
WYANDOT COUNTY.

1/15.

STATE OF OHIO

DEPARTMENT OF HIGHWAYS

LARUE - MARSEILLES ROAD

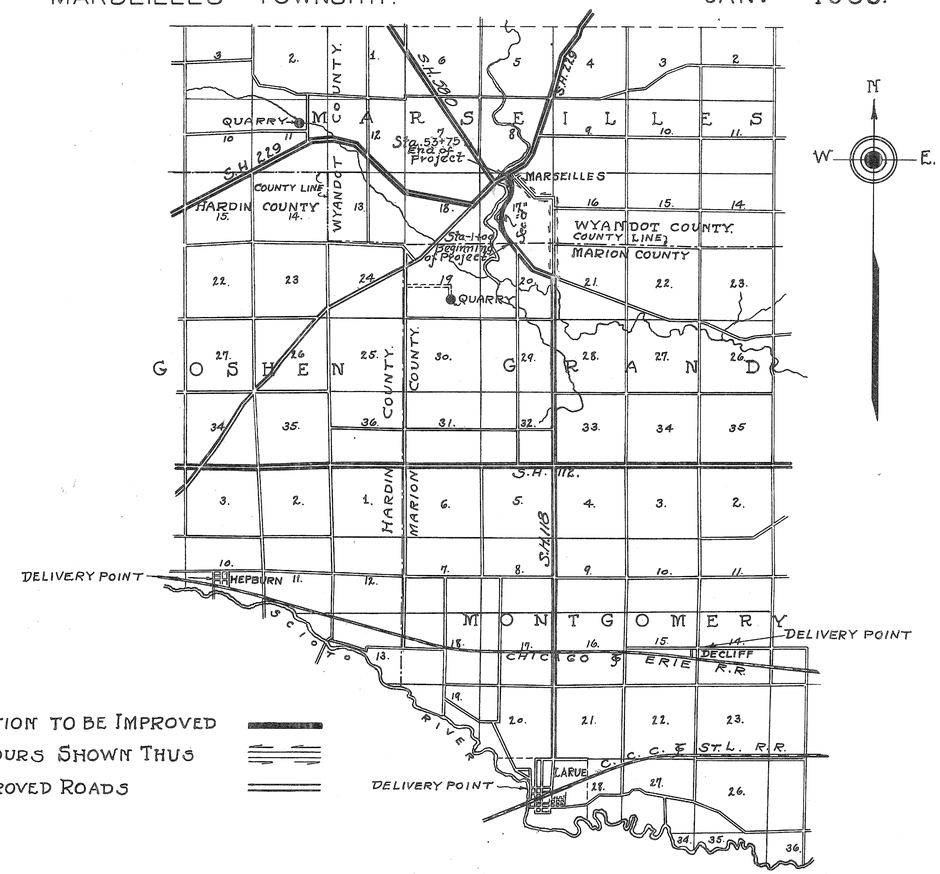
S.H.(I.C.H.) 118 Sec. "d"

WYANDOT COUNTY

MARSEILLES TOWNSHIP. JAN. 1930.

CONVENTIONAL SIGNS.

- COUNTY LINE.
- TOWNSHIP LINE.
- SECTION LINE.
- CORPORATION LINE.
- CENTER LINE.
- FENCE.
- GUARD RAIL.
- DRAIN PIPE.
- TELEPHONE.



PORTION TO BE IMPROVED
DETOURS SHOWN THUS
IMPROVED ROADS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DIVISION OF HIGHWAYS, IN FORCE ON DATE OF CONTRACT WILL GOVERN THIS CONTRACT.

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 PLANS AND ESTIMATES.

APPROVED _____ _____
DATE. RESIDENT ENGINEER.

APPROVED M. O. Entsminger _____
DATE. Jan. 30, 1930. RESIDENT DIVISION. DEPUTY DIRECTOR.

APPROVED Robt. D. Leighton _____
DATE. 2/4/30 CHIEF ENGINEER. BUREAU OF CONSTRUCTION.

APPROVED _____ _____
DATE. CHIEF ENGINEER. BUREAU OF MAINTENANCE.

APPROVED _____ _____
DATE. CHIEF ENGINEER. BUREAU OF BRIDGES.

APPROVED Tom H. Boutchi _____
DATE. 2-4-30 CHIEF ENGINEER & FIRST ASS'T. DIRECTOR.

APPROVED _____ Robert Hilliard _____
DATE. 2-4-30 DIRECTOR OF HIGHWAYS.

SCALES.

PLAN	1" = 100'.
PROFILE [VERTICAL]	1" = 10'.
PROFILE [HORIZONTAL]	1" = 100'.
CROSS SECTIONS	1" = 5'.

LOCATION PLAN.

SCALE OF MILES.

INDEX.

TITLE SHEET	P.	1.
TYPICAL SECTION	P.	2.
PLAN & PROFILE	P.	3-4.
CROSS SECTIONS.	P.	5-11.
STRUCTURES.	P.	12-13-14.
SUMMARY	P.	15.

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1930

Checked - N. Moler 1-30-30

FED. RD. DIST. NO.	STATE.	FED. PROJ. NO.	FISCAL YEAR.
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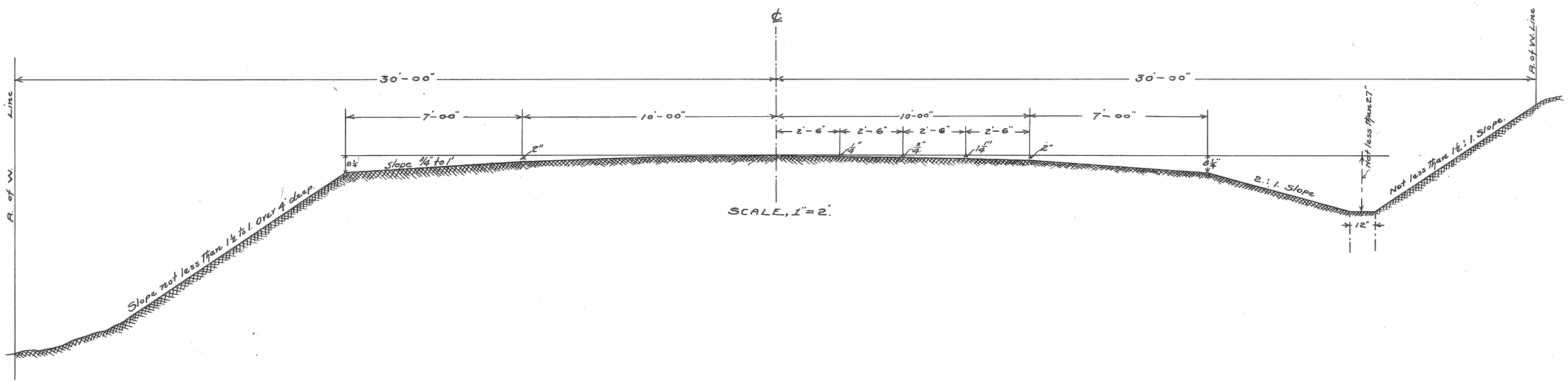
S.H. (I.C.H.) 118. SEC. "d."
WYANDOT COUNTY.

TYPICAL SECTION



FED. RD. DIST. NO.	STATE	FED. PROJ. NO.	FISCAL YEAR.
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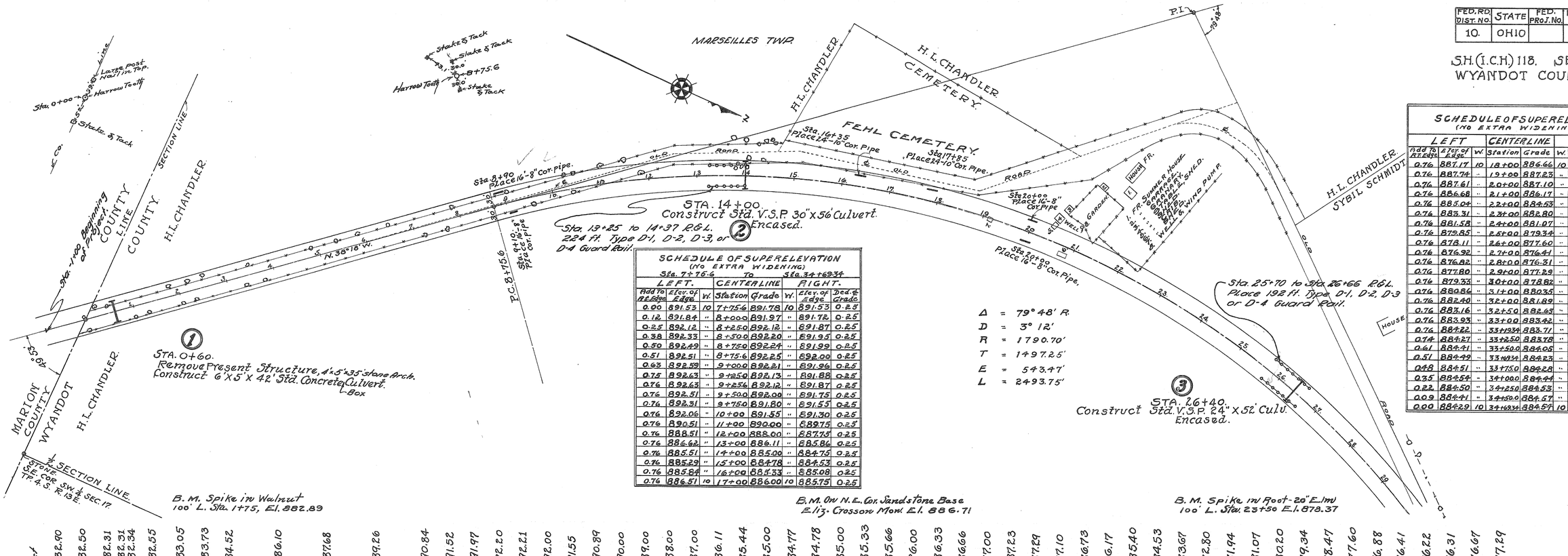
S.H. (I.C.H.) 118. SEC. "d."
WYANDOT COUNTY.



SCHEDULE OF SUPERELEVATION (NO EXTRA WIDENING.)

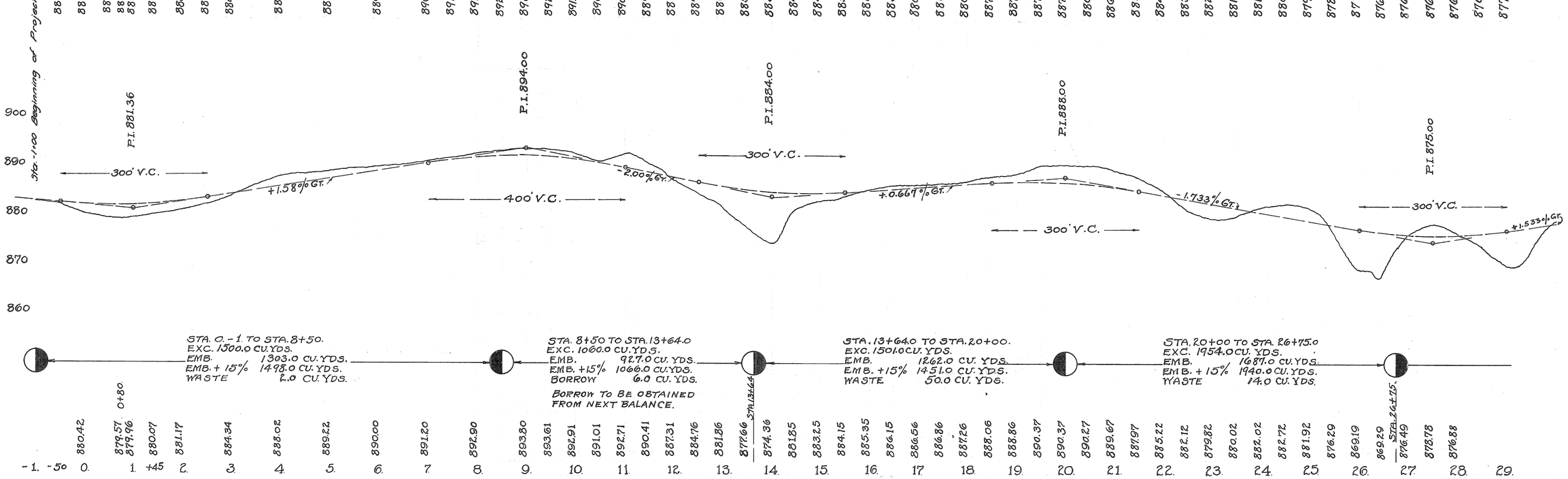
LEFT			CENTERLINE		RIGHT		
Add To R.E. Edge	Elev. of Edge	W.	Station	Grade	W.	Elev. of Edge	Ded. to Grade
0.00	891.53	10	7+75.6	891.78	10	891.53	0.25
0.12	891.84	"	8+00.0	891.97	"	891.72	0.25
0.25	892.12	"	8+25.0	892.12	"	891.87	0.25
0.38	892.33	"	8+50.0	892.20	"	891.95	0.25
0.50	892.49	"	8+75.0	892.24	"	891.99	0.25
0.51	892.51	"	8+75.6	892.25	"	892.00	0.25
0.63	892.59	"	9+00.0	892.21	"	891.96	0.25
0.75	892.63	"	9+25.0	892.13	"	891.88	0.25
0.76	892.63	"	9+25.6	892.12	"	891.87	0.25
0.76	892.51	"	9+50.0	892.00	"	891.75	0.25
0.76	892.31	"	9+75.0	891.80	"	891.55	0.25
0.76	892.06	"	10+00	891.55	"	891.30	0.25
0.76	890.51	"	11+00	890.00	"	889.75	0.25
0.76	888.51	"	12+00	888.00	"	887.75	0.25
0.76	886.62	"	13+00	886.11	"	885.86	0.25
0.76	885.51	"	14+00	885.00	"	884.75	0.25
0.76	885.29	"	15+00	884.78	"	884.53	0.25
0.76	885.84	"	16+00	885.33	"	885.08	0.25
0.76	886.51	10	17+00	886.00	10	885.75	0.25

Sta. 7+76.6 To Sta. 34+69.34

SCHEDULE OF SUPERELEVATION (NO EXTRA WIDENING.)

LEFT			CENTERLINE		RIGHT		
Add To R.E. Edge	Elev. of Edge	W.	Station	Grade	W.	Elev. of Edge	Ded. to Grade
0.76	887.17	10	18+00	886.66	10	886.41	0.25
0.76	887.74	"	19+00	887.25	"	886.98	0.25
0.76	887.61	"	20+00	887.10	"	886.85	0.25
0.76	886.68	"	21+00	886.17	"	885.92	0.25
0.76	885.04	"	22+00	884.53	"	884.28	0.25
0.76	883.31	"	23+00	882.80	"	882.55	0.25
0.76	881.58	"	24+00	881.07	"	880.82	0.25
0.76	879.85	"	25+00	879.34	"	879.09	0.25
0.76	878.11	"	26+00	877.60	"	877.35	0.25
0.76	876.92	"	27+00	876.41	"	876.16	0.25
0.76	876.82	"	28+00	876.31	"	876.06	0.25
0.76	877.80	"	29+00	877.29	"	877.04	0.25
0.76	879.33	"	30+00	878.82	"	878.57	0.25
0.76	880.86	"	31+00	880.35	"	880.10	0.25
0.76	882.40	"	32+00	881.89	"	881.64	0.25
0.76	883.16	"	32+50	882.65	"	882.40	0.25
0.76	883.93	"	33+00	883.42	"	883.17	0.25
0.76	884.22	"	33+69.34	883.71	"	883.46	0.25
0.74	884.27	"	33+250	883.78	"	883.53	0.25
0.61	884.41	"	33+500	884.05	"	883.80	0.25
0.51	884.49	"	33+69.34	884.23	"	883.98	0.25
0.48	884.51	"	33+750	884.28	"	884.03	0.25
0.35	884.54	"	34+000	884.44	"	884.19	0.25
0.22	884.50	"	34+250	884.53	"	884.28	0.25
0.09	884.41	"	34+500	884.57	"	884.32	0.25
0.00	884.29	10	34+69.34	884.57	10	884.29	0.25

Sta. 13+25 To Sta. 34+69.34



FED. RD. DIST. NO.	STATE	FED. PROJ. NO.	FISCAL YEAR
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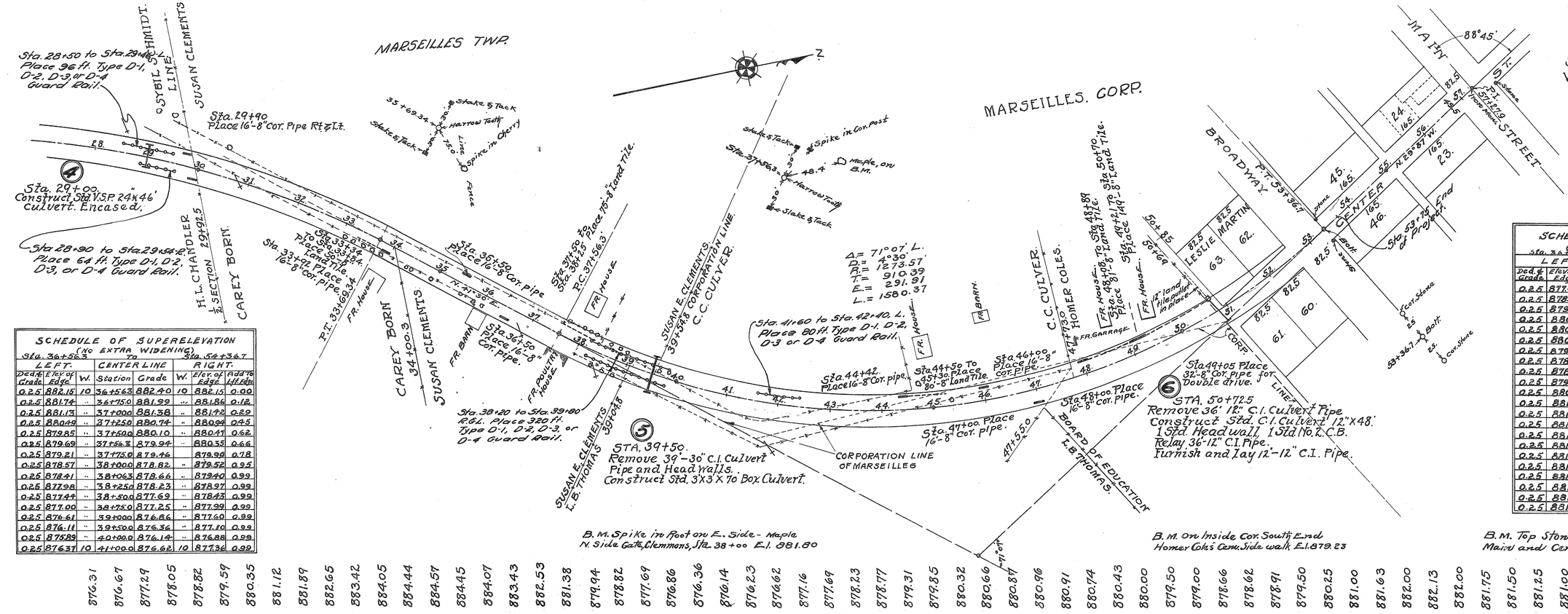
S.H. (I.C.H.) 118. SEC. "D"
WYANDOT COUNTY.



B. M. Spike in Root on E. Side - Maple N. Side Gate, Clemmans, Sta. 38+00 El. 881.80

B. M. On Inside Cor. South End Homer Coles Cem. Side walk El. 879.23

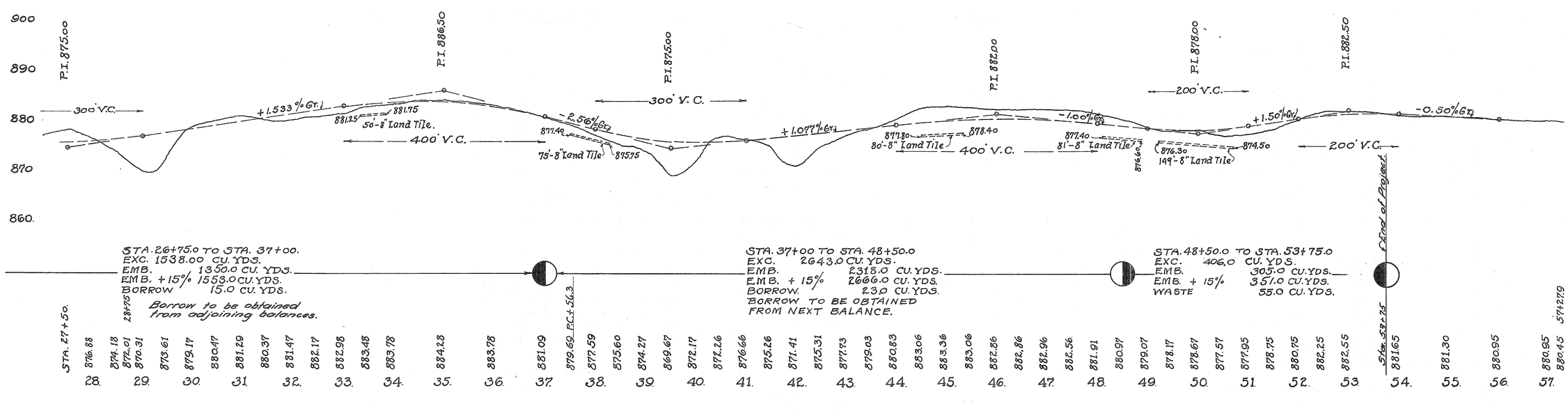
B. M. Top Stone Monument N. W. Cor. Main and Center Sts., El. 879.57.

SCHEDULE OF SUPERELEVATION
(NO EXTRA WIDENING) Sta. 36+56.3 To Sta. 54+36.7

LEFT. Ded. & Grade	Elev. of Edge	W.	CENTER LINE Station	Grade	RIGHT. W.	Elev. of Edge	Add to Lft. Edge
0.25	882.15	10	36+56.3	882.40	10	882.15	0.00
0.25	881.74	"	36+75.0	881.99	"	881.86	0.12
0.25	881.13	"	37+00.0	881.38	"	881.42	0.29
0.25	880.49	"	37+25.0	880.74	"	880.94	0.45
0.25	879.85	"	37+50.0	880.10	"	880.47	0.62
0.25	879.69	"	37+56.3	879.94	"	880.35	0.66
0.25	879.21	"	37+75.0	879.46	"	879.99	0.78
0.25	878.57	"	38+00.0	878.82	"	879.52	0.95
0.25	878.41	"	38+06.3	878.66	"	879.40	0.99
0.25	877.98	"	38+25.0	878.23	"	878.97	0.99
0.25	877.44	"	38+50.0	877.69	"	878.43	0.99
0.25	877.00	"	38+75.0	877.25	"	877.99	0.99
0.25	876.61	"	39+00.0	876.86	"	877.60	0.99
0.25	876.11	"	39+50.0	876.36	"	877.10	0.99
0.25	875.89	"	40+00.0	876.14	"	876.88	0.99
0.25	876.37	10	41+00.0	876.62	10	877.36	0.99

SCHEDULE OF SUPERELEVATION
(NO EXTRA WIDENING) Sta. 36+56.3 To Sta. 54+36.7

LEFT. Ded. & Grade	Elev. of Edge	W.	CENTER LINE Station	Grade	RIGHT. W.	Elev. of Edge	Add to Lft. Edge
0.25	877.44	10	42+00	877.69	10	878.43	0.99
0.25	878.52	"	43+00	878.77	"	879.51	0.99
0.25	879.60	"	44+00	879.85	"	880.59	0.99
0.25	880.41	"	45+00	880.66	"	881.40	0.99
0.25	880.71	"	46+00	880.96	"	881.70	0.99
0.25	880.49	"	47+00	880.74	"	881.48	0.99
0.25	879.76	"	48+00	880.00	"	880.74	0.99
0.25	878.75	"	49+00	879.00	"	879.74	0.99
0.25	878.37	"	50+00	878.62	"	878.36	0.99
0.25	879.25	"	51+00	879.50	"	880.24	0.99
0.25	880.75	"	52+00	881.00	"	881.74	0.99
0.25	881.38	"	52+50	881.63	"	882.37	0.99
0.25	881.60	"	52+75	881.85	"	882.59	0.99
0.25	881.67	"	52+86.7	881.92	"	882.66	0.99
0.25	881.75	"	53+00	882.00	"	882.66	0.99
0.25	881.84	"	53+25	882.09	"	882.58	0.74
0.25	881.87	"	53+36.7	882.12	"	882.53	0.66
0.25	881.88	"	53+50	882.13	"	882.44	0.56
0.25	881.84	"	53+75	882.09	"	882.25	0.41
0.25	881.75	"	54+00	882.00	"	882.00	0.25
0.25	881.62	"	54+25	881.87	"	881.70	0.00
0.25	881.57	10	54+36.7	881.82	10	881.57	0.00



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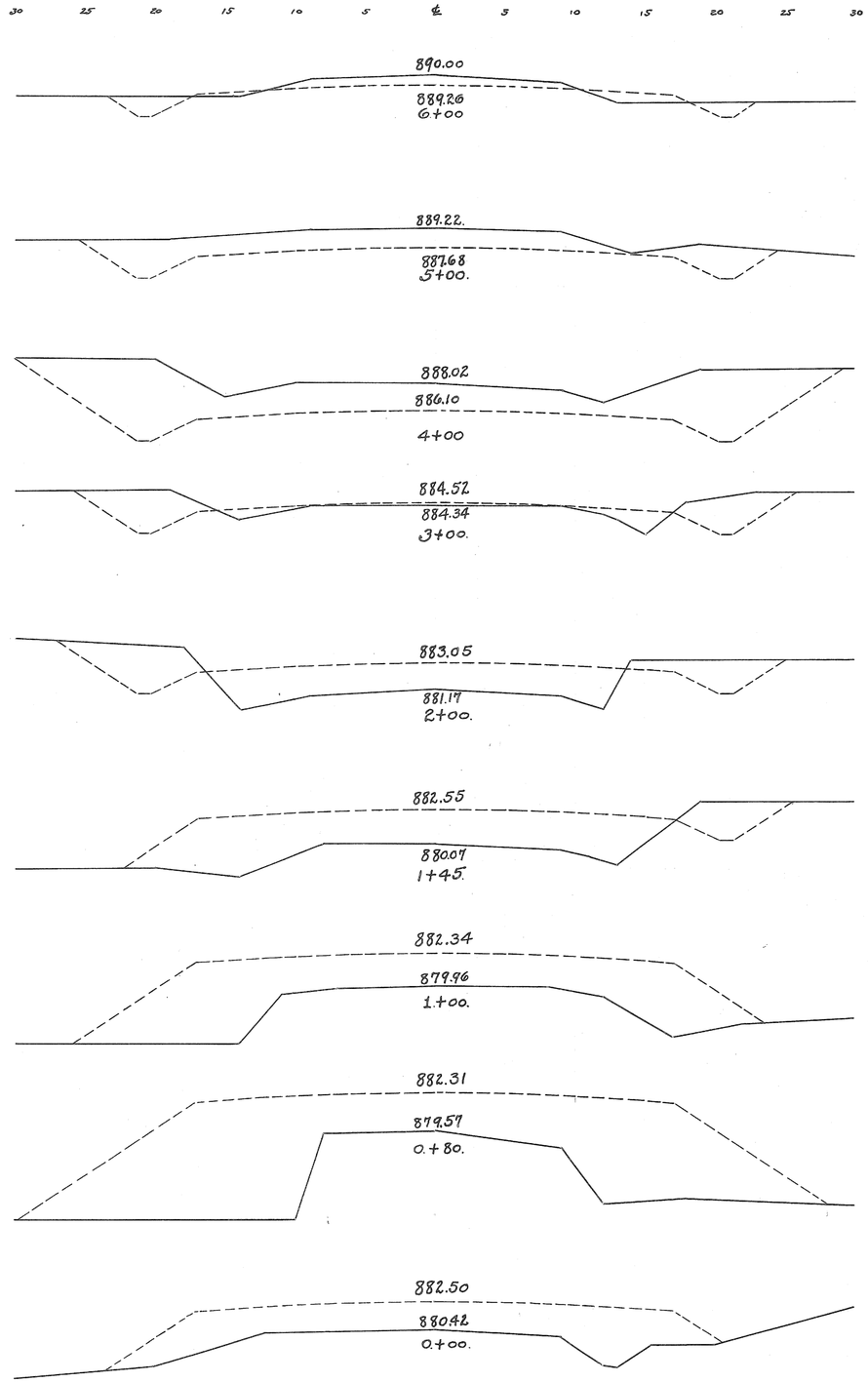
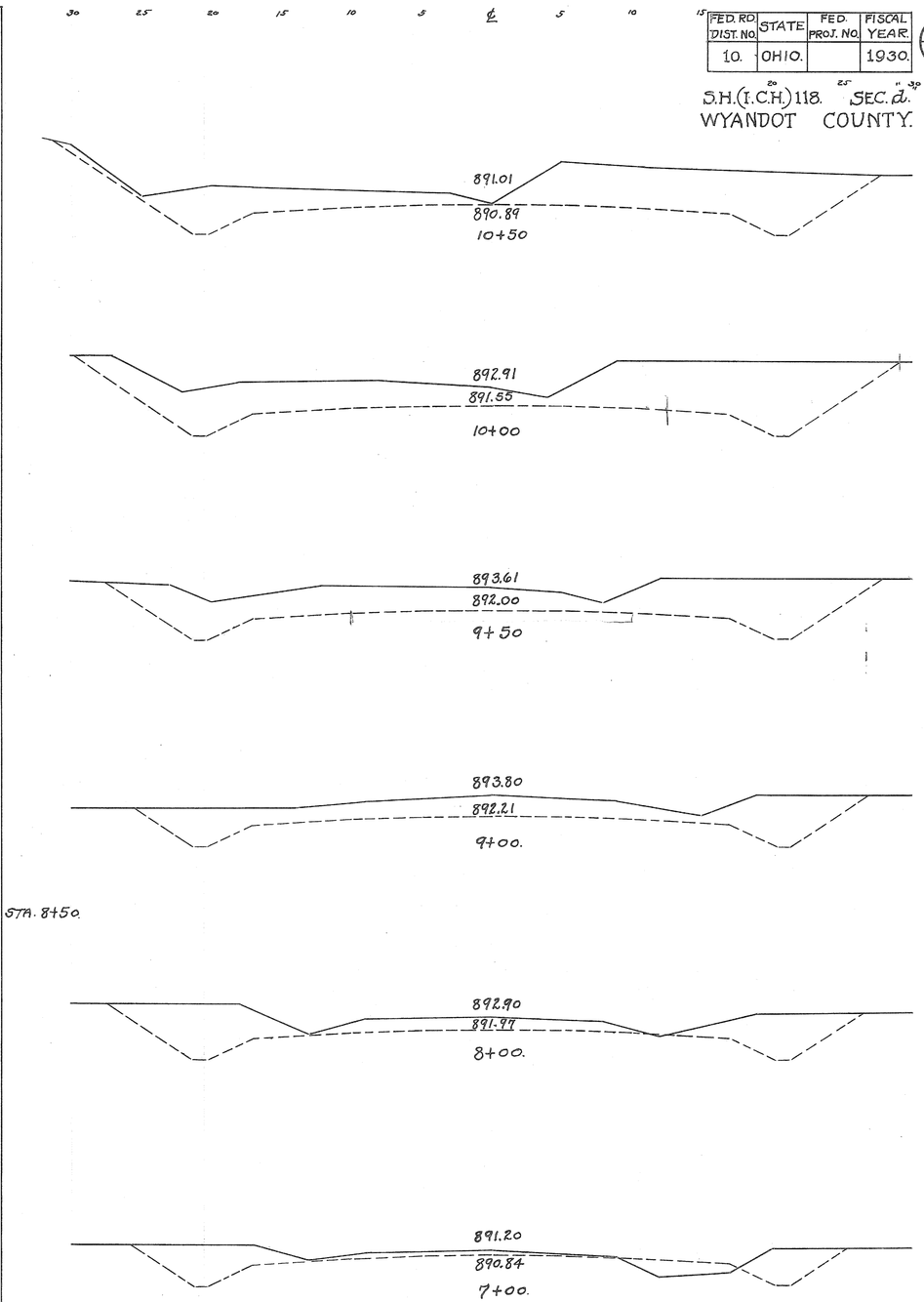
S.H.(I.C.H.) 118. SEC. d.
WYANDOT COUNTY.

END AREA CUT.	END AREA FILL	CU. YDS. CUT.	CU. YDS. FILL	
18.0	4.			
		156	3	
66				
		396		
148				
		313	19	
31	10			
		122	131	
35	61			
		38	167	EMB. +15% 1478 CU. YDS. WASTE. 2 CU. YDS.
17	103			
		7	209	STA. 0-1+00 TO STA. 8+50. EXC. 1500. CU. YDS.
	148			
			153.	
	266			
			542.	
	100.			
			9	STA. 0.-1.



END AREA CUT	END AREA FILL	CU. YDS CUT.	CU. YDS FILL	
113				
		220		
126				
		202		
92				
		140		
78				
		142	1	STA. 8+50 TO STA. 13+64. EXC. 1060. CU. YDS. EMB. +15%. 1066. CU. YDS. BORROW. 6. CU. YDS.
		134		STA. 8+50.
71				
		198	17	
35	7			
		98	19	



FED. RD. DIST. NO.	STATE	FED. PROJ. NO.	FISCAL YEAR.
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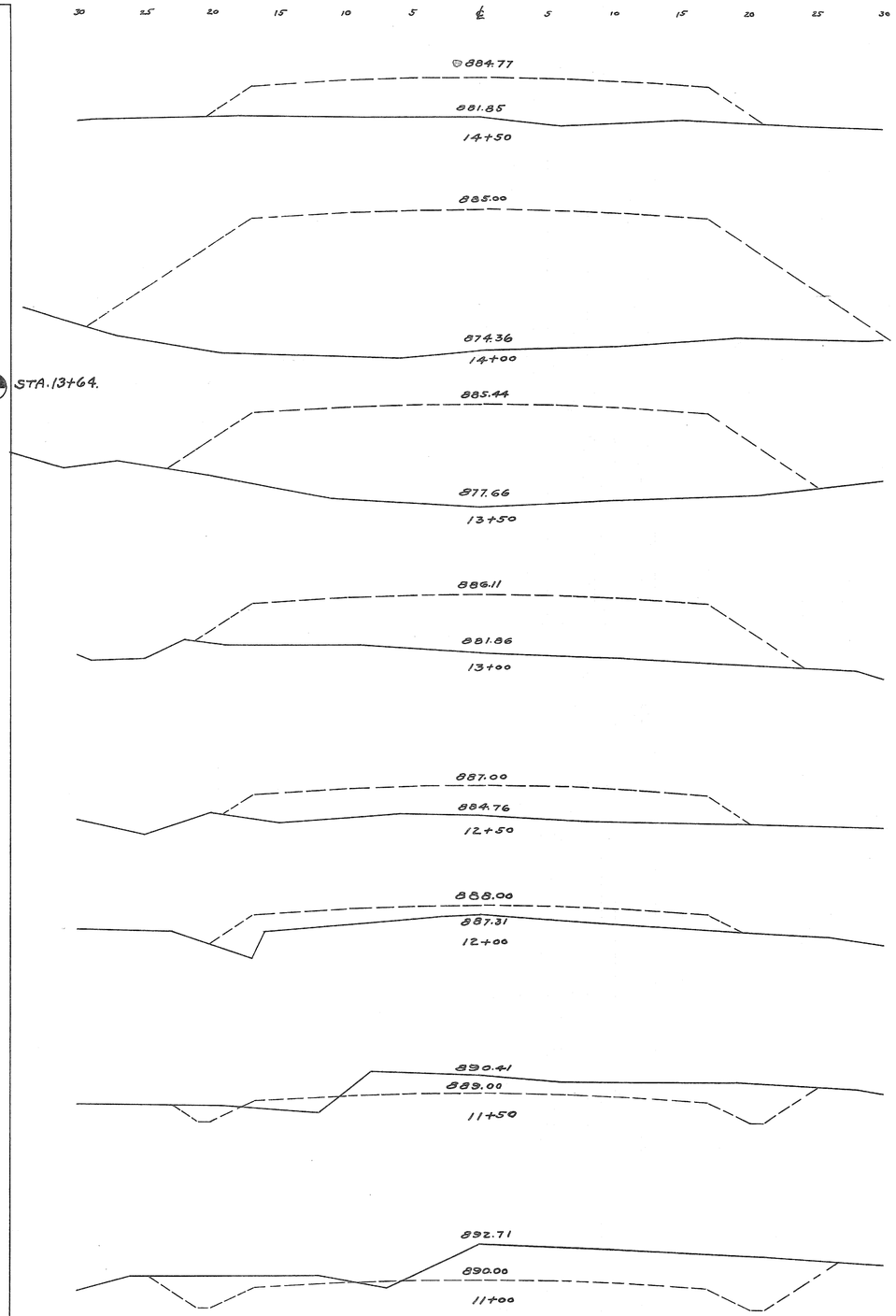
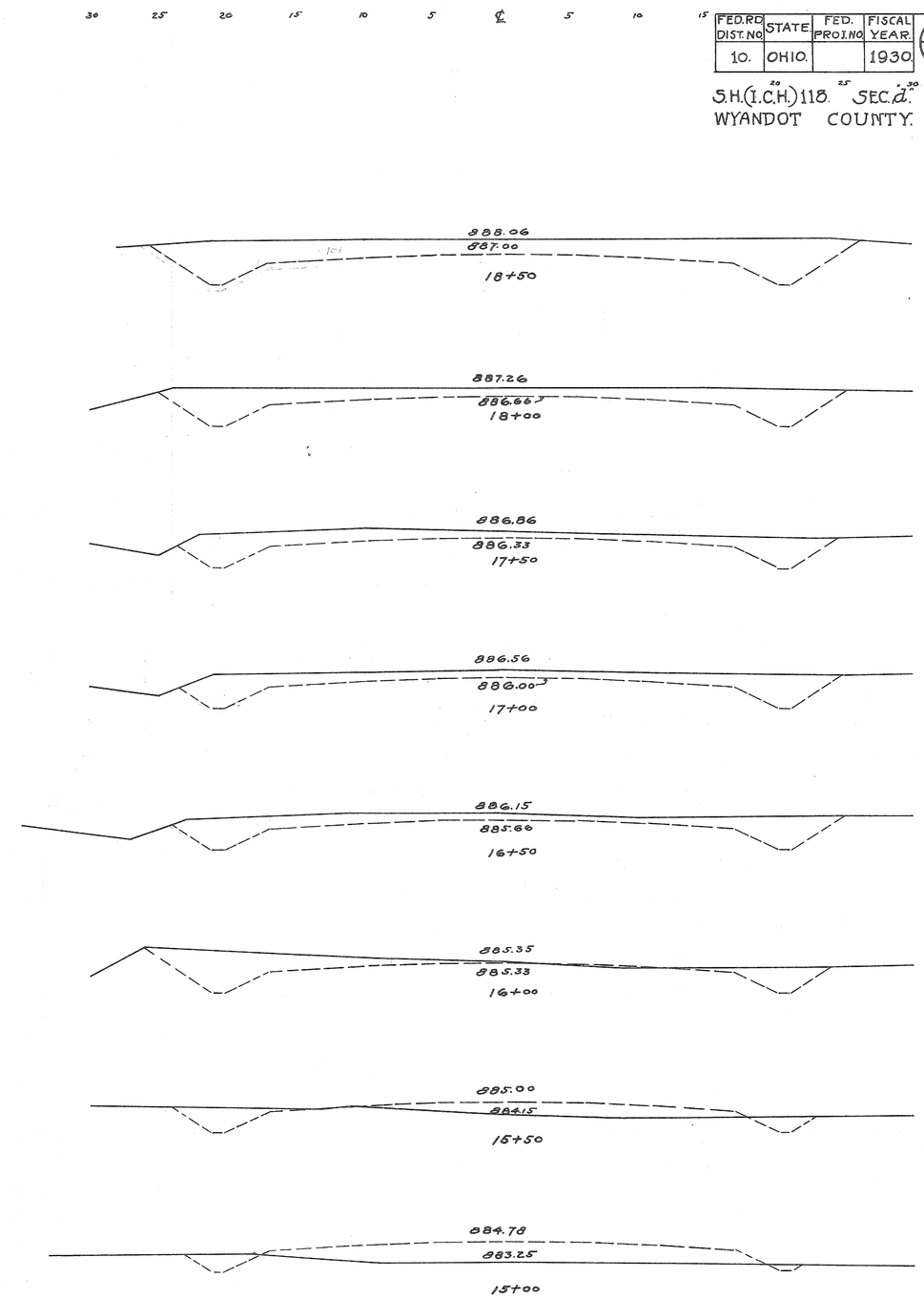
S.H. (I.C.H.) 118. SEC. d.
WYANDOT COUNTY.

END-AREA CU. YDS. CUT.	FILL.	CUT.	FILL.
	104		
			534
	474		
			536
	277		158
			405
	160		
			222
	113		
			113
	42		
		25	22
54	6		
		138	6
96	1		
		193	1



END-AREA CU. YDS. CUT.	FILL	CUT.	FILL
109			
		165	
77			
		119	
51			
		105	
61			
		109	
57			
		87	
37			
		46	7
14	15		
		18	52
6	41		
		2	133

EMB. +15%. 1451. CU. YDS. WASTE. 50. CU. YDS.
STA. 13+64. TO. STA. 20+00. EXC. 1501. CU. YDS.



FED. RD. DIST. NO.	STATE	FED. PROJ. NO.	FISCAL YEAR
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S.H. (I.C.H.) 118. SEC. "d"
WYANDOT COUNTY.

END AREA CUT.	END AREA FILL	CU. YDS. CUT.	CU. YDS. FILL.	
	98			
		4	133	
4	46			
		27	26	
68				
		199		
147				
		320		
199				
		385		
218				
		386		
199				
		352		
181				
		282		
125				
		216		

STA. 20+00 TO STA. 26+25. EXC. 1954. CU. YDS. EMB. +15% 1940. CU. YDS. WASTE. 14. CU. YDS.

STA. 20+00

30 25 20 15 10 5 ℄ 5 10 15 20 25 30

882.80
879.82
23+00.

883.67
882.12
22+50

885.22
884.53
22+00.

887.97
885.40
21+50

889.67
886.17
21+00.

890.27
886.73
20+50.

890.37
887.10
20+00

890.37
887.29
19+50.

888.86
887.23
19+00

END AREA CUT.	END AREA FILL	CU. YDS. CUT.	CU. YDS. FILL.
	359		
			334
	362		
			315
	187		
			86
2	57		
		65	26
140			
		282	
164			
		216	
69			
		68	50
4	54		
		2	90
	97		
			65

30 25 20 15 10 5 ℄ 5 10 15 20 25 30

877.20
869.09
26+25

877.60
869.19
26+00.

878.14
873.39
25+69

879.47
876.29
25+50

881.92
879.34
25+00.

882.72
880.20
24+50

882.02
881.07
24+00.

881.94
880.02
23+50

882.49
879.52
23+18

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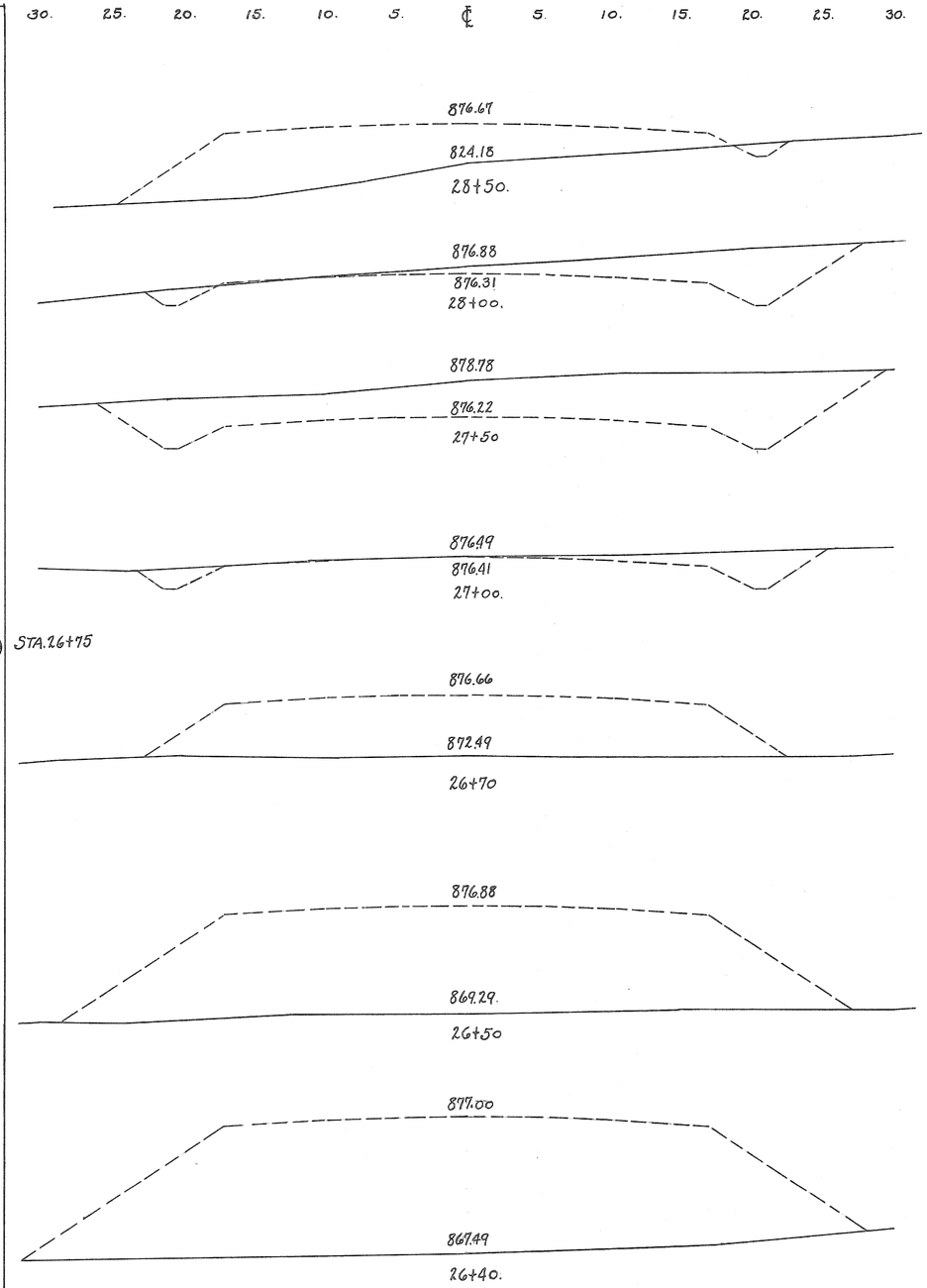
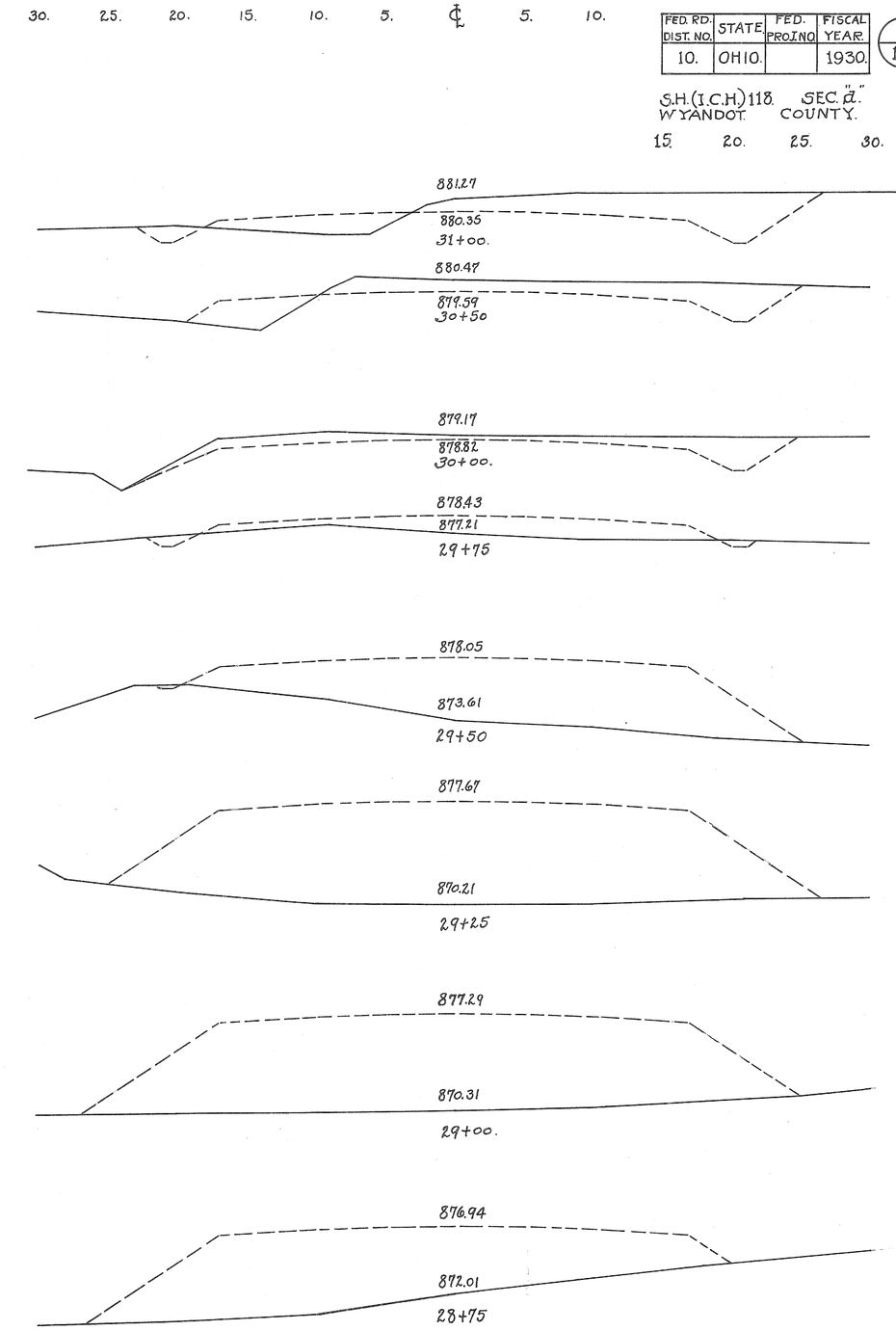
S.H. (I.C.H.) 118. SEC. "d."
WYANDOT COUNTY.

END-AREA CUT.	END-AREA FILL	CU. YDS. CUT.	CU. YDS. FILL.
1.	112.		
		49.	104.
52.			
		182.	
144.			
		154.	
			27.
22.			
		8.	62.
	161.		
			180.
	324.		
			138.
	422.		
			217.



END-AREA CUT.	END-AREA FILL	CU. YDS. CUT.	CU. YDS. FILL.
53.	14.		
		86.	26.
40.	14.		
		69.	13.
35.			
		9.	8.
3.	35.		
		1.	88.
	154.		
			211.
	302.		
			272.
	285.		
			220.
	191.		
		1.	140.

STA. 26+75 TO STA. 37+00. EXC. 1538. CU. YDS. EMB. + 15% 1553. CU. YDS. BORROW. 15 CU. YDS.



FED. RD DIST. NO.	STATE	FED. PROJ. NO.	FISCAL YEAR
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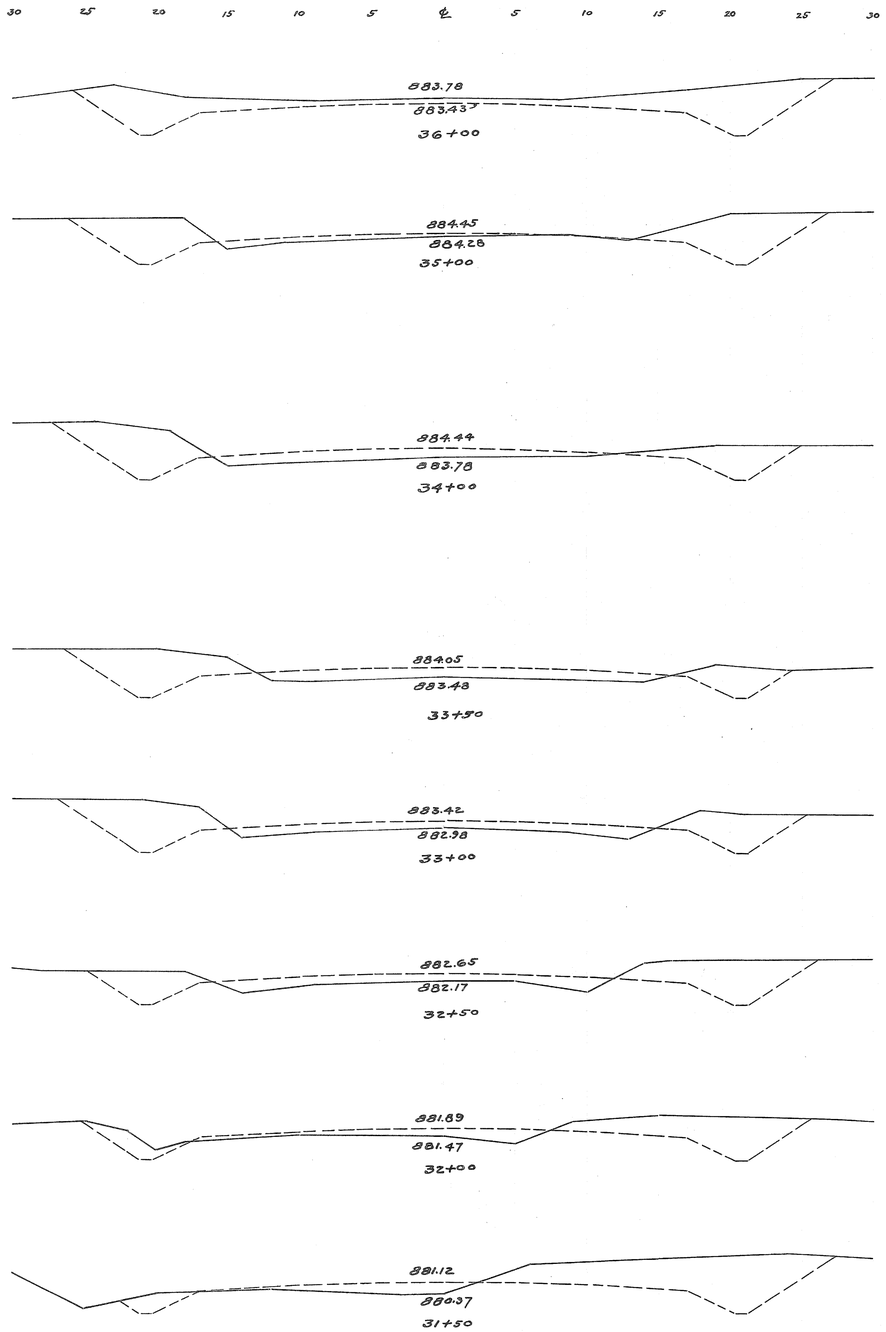
S.H. (I.C.H.) 118. SEC. "d"

WYANDOT COUNTY.

END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
60			
		182	11
44	6		
		135	43
29	16		
		58	32
34	18		
		67	31
39	15		
		68	29
35	16		
		60	23
31	10		
		86	17
52	8		
		97	20

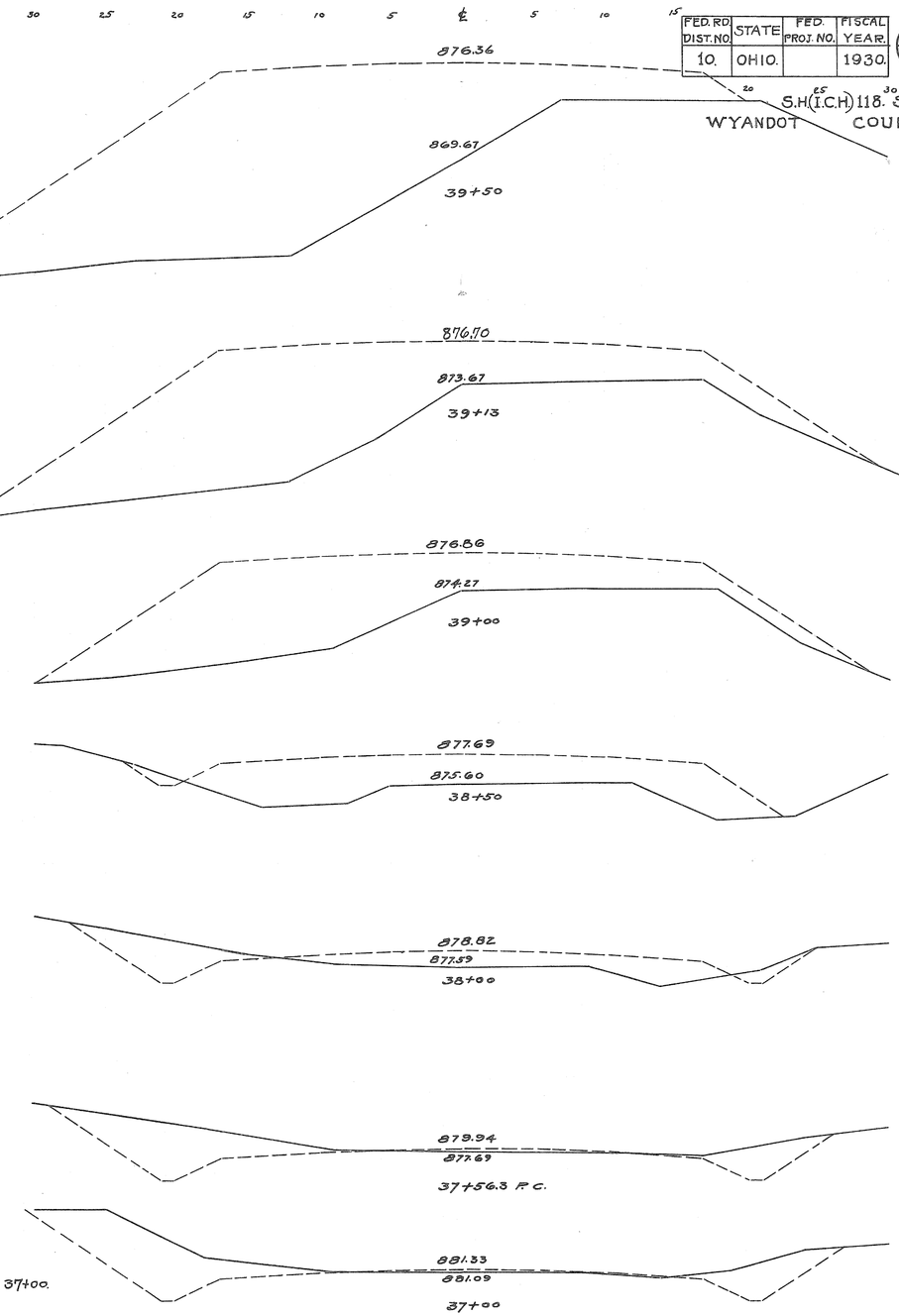


END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
	392		
			453
	270		
			111
	192		
			265
2	94		
		21	116
24	32		
		62	27
52	2		
		118	2
62			
			226

EMB. + 15% 2666 CU. YDS. BORROW. 23 CU. YDS. BORROW OBTAINED FROM NEXT BALANCE.

STA. 37+00. TO STA. 48+50. EXC. 2643. CU. YDS.

STA 37+00.

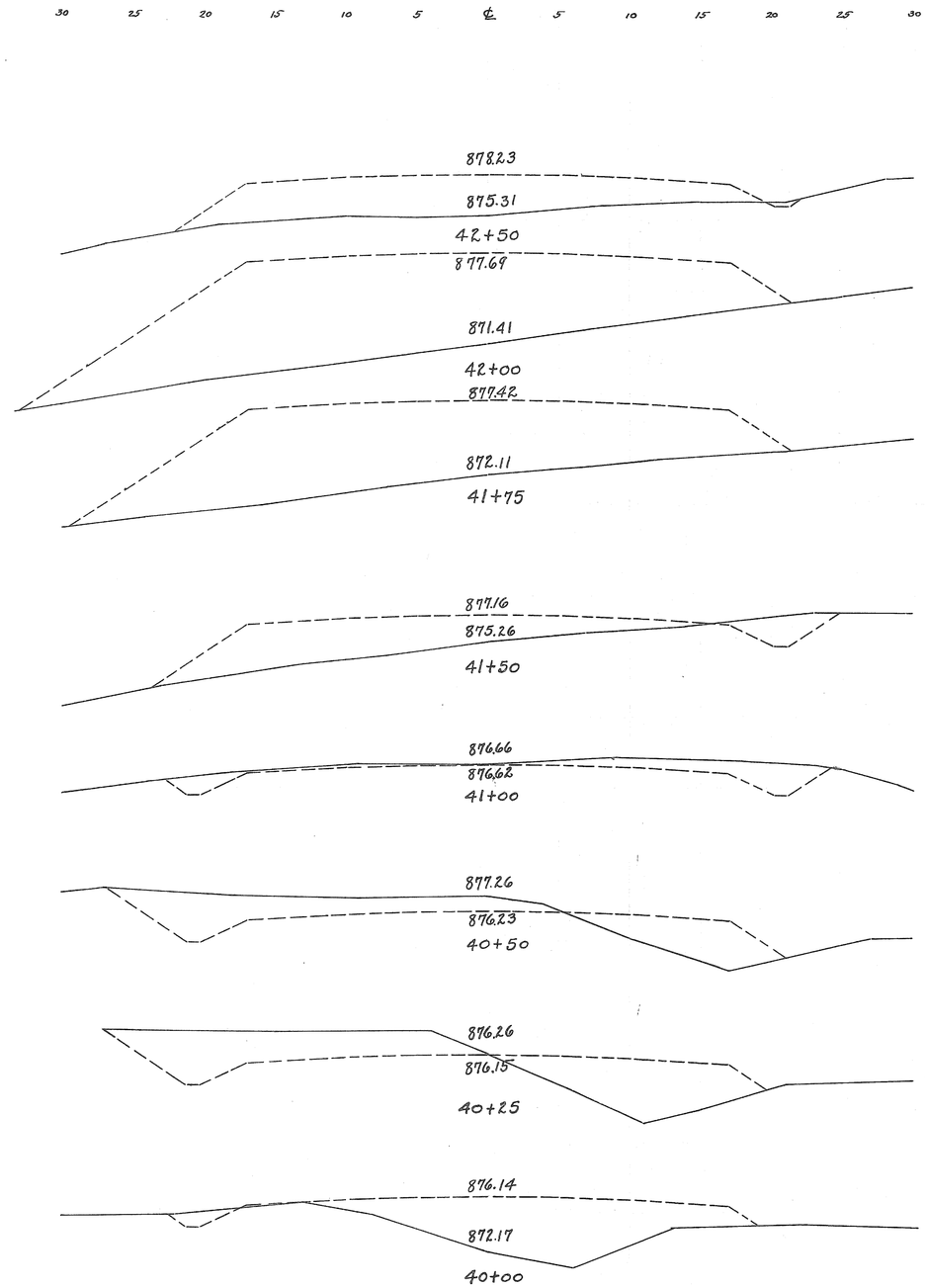


FED. RD. DIST. NO.	STATE	FED. PROJ. NO.	FISCAL YEAR
10.	OHIO.		1930.

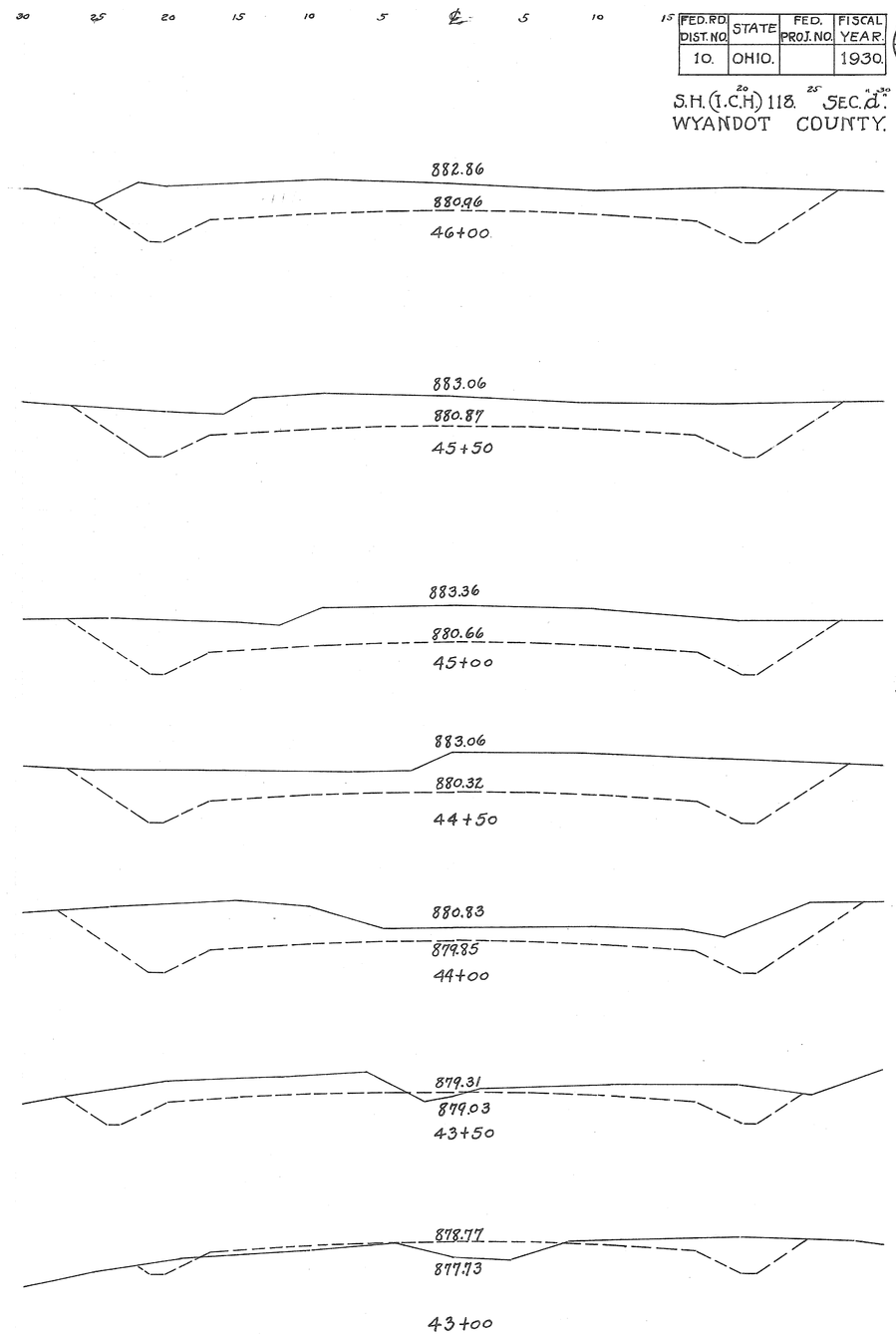
10/15.

S.H. (I.C.H.) 118. SEC. d.
WYANDOT COUNTY.

END AREA CUT.	END AREA FILL	CU. YDS. CUT.	CU. YDS. FILL
2	73		
		1	325
	278		
			176
	209		
		2	132
10	75		
		30	69
27			
		68	13
47	28		
		46	37
54	51		
		27	62
4	82		
		1	439



END AREA CUT.	END AREA FILL	CU. YDS. CUT.	CU. YDS. FILL
115			
		214	
117			
		229	
130			
		243	
132			
		227	
113			
		157	
56	1		
		69	12
20	12		
		20	79

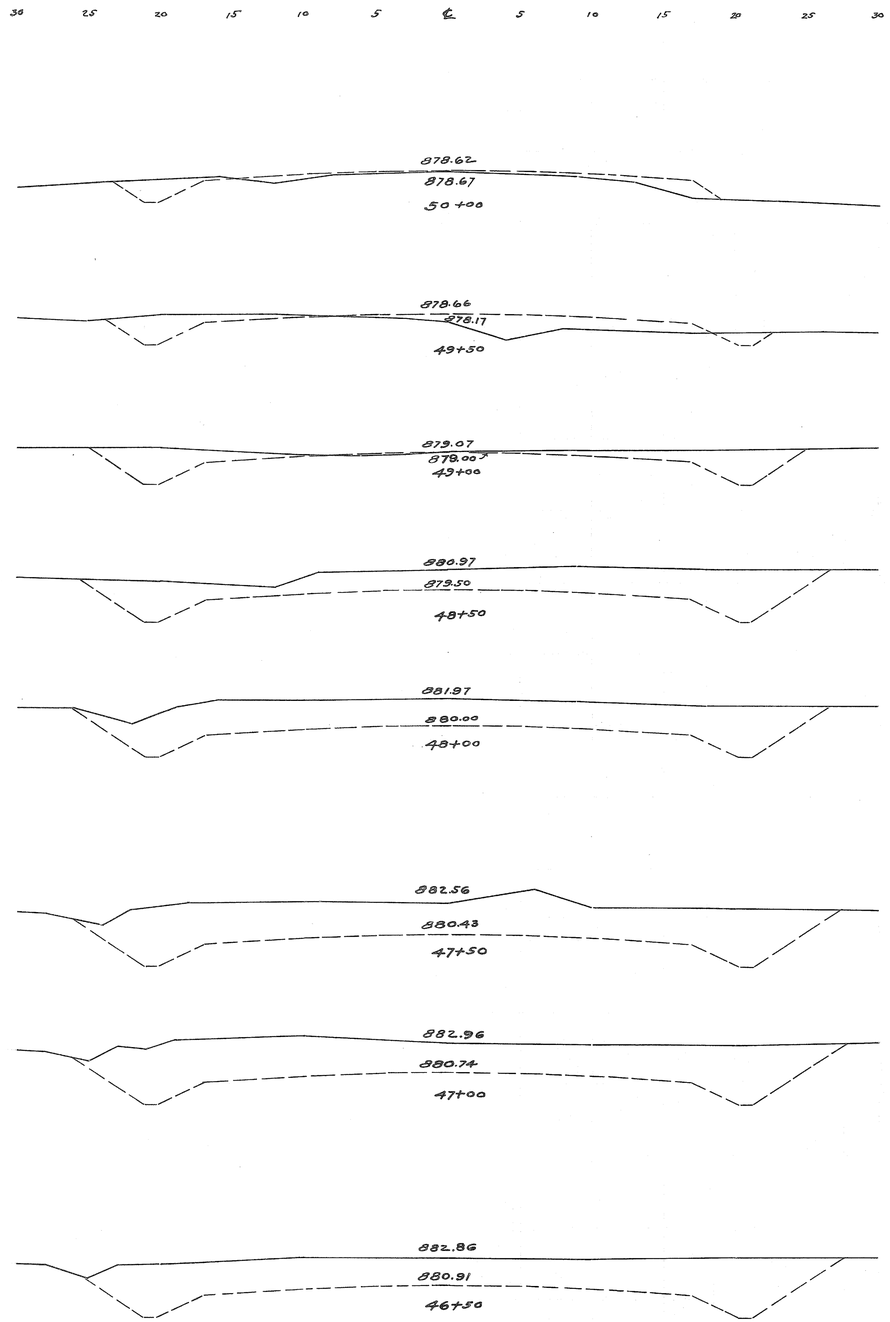


FED. RD. DIST. NO.	STATE	FED. PROJ. NO.	FISCAL YEAR.
10.	OHIO.		1930.

11.
15.

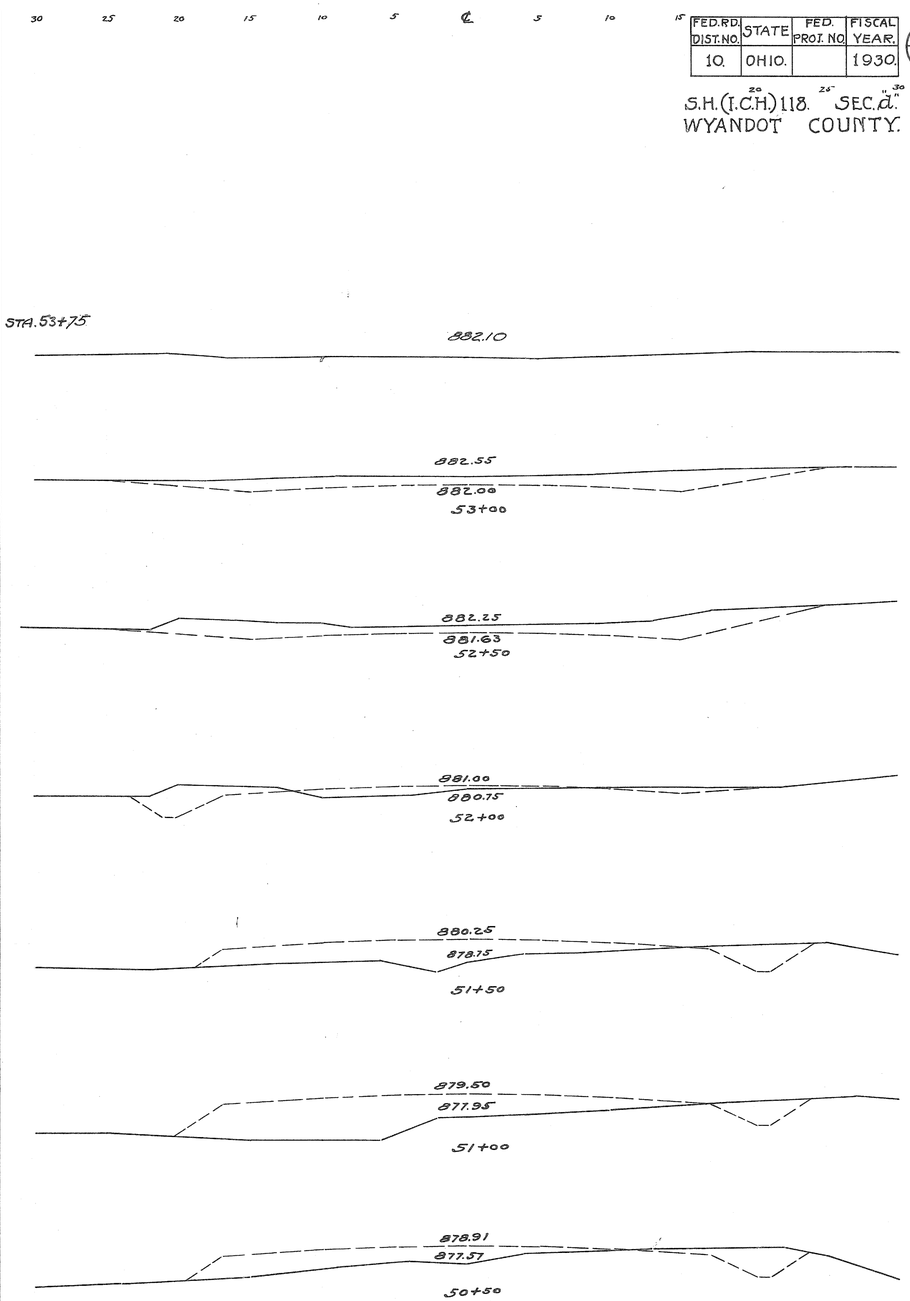
S.H. (I.C.H.) 118. SEC. "d."
WYANDOT COUNTY.

END AREA CUT.	END AREA FILL	CU. YDS. CUT.	CU. YDS. FILL	
6	11			
		17	28	
14	19			
		45	18	
36				
		116		
89				STA. 48+50.
		182		
107				
		223		
134				
		251		
137				
		236		
118				
		216		



END AREA CUT.	END AREA FILL	CU. YDS. CUT.	CU. YDS. FILL	
		48		STA. 53+75
34				
		69		
40				
		47	3	
14	7			
		18	41	
11	38			
		16	93	
6	63			
		15	85	
10	29			
		15	37	

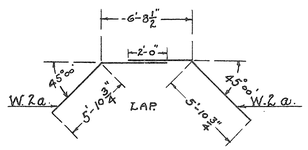
STA. 48+50 TO STA. 53+25. EXC. 406 CU. YDS. EMB. +15% 35% CU. YDS. WASTE 35% CU. YDS.

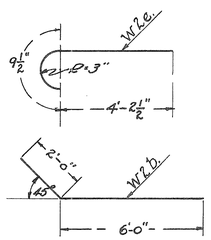


FED. RD. DIST. NO.	STATE	FED. PROJ. NO.	FISCAL YEAR
10.	OHIO.		1930.

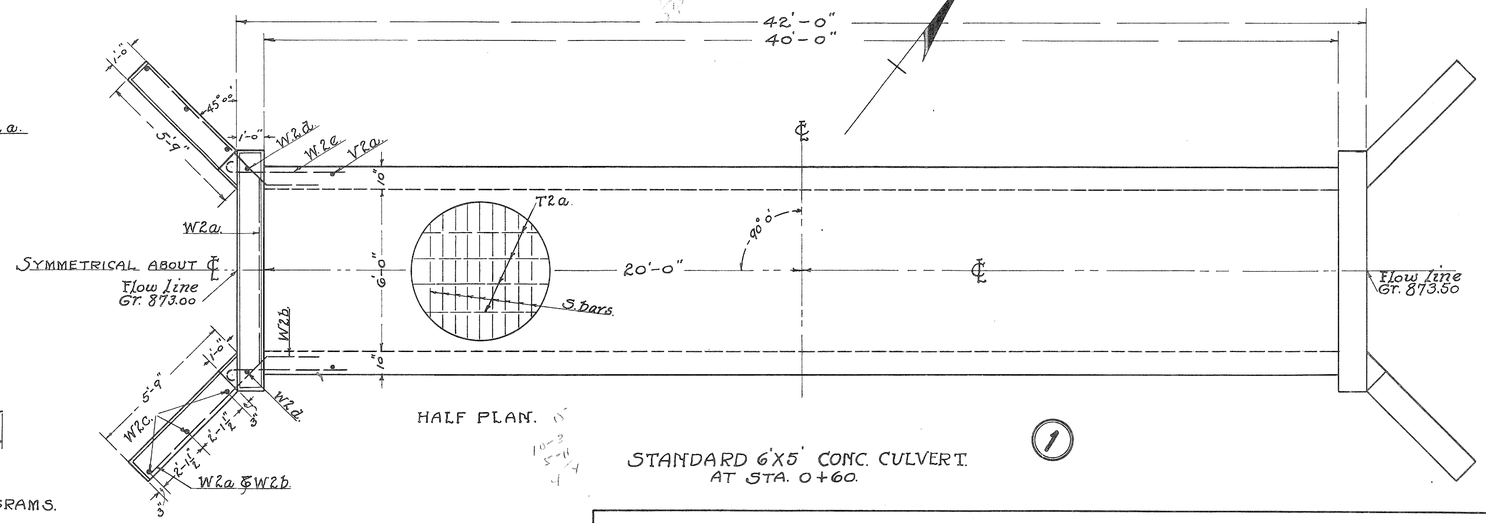
12.
15.

S.H. (I.C.H.) 118. SEC. "d".
WYANDOT COUNTY.





BAR BENDING DIAGRAMS.



HALF PLAN.

STANDARD 6'X5' CONC. CULVERT.
AT STA. 0+60.

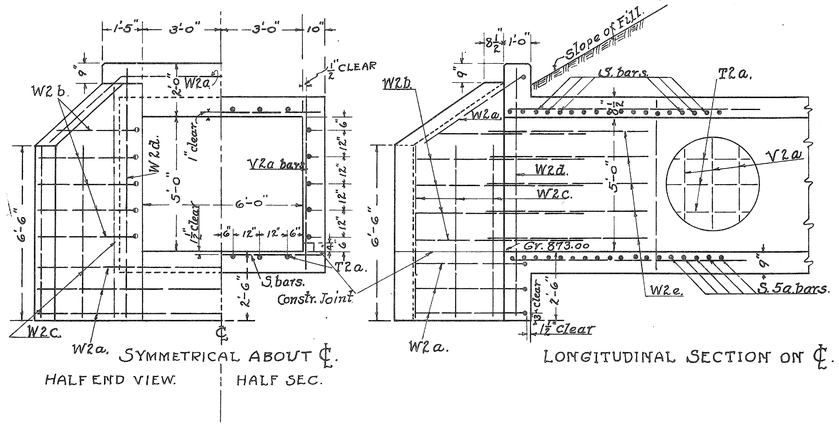
1

BARREL STEEL LIST.					
MARK.	SIZE.	SHAPE	NO.	LENGTH	WEIGHT.
S3a.	½" □	STR.	362	4'-1"	
V2a.	½" ø	STR.	136	3'-9"	
T2a.	½" ø	STR.	12	69'-6"	
					#2142.00

22.4 cu. yds. Concrete.

HEAD-WALL & WING STEEL LIST.					
MARK.	SIZE.	SHAPE	NO.	LENGTH	WEIGHT.
W2a.	½" ø	BENT.	16.	6'-6"	
W2b.	½" ø	BENT.	12.	5'-9"	
W2c.	½" ø	STR.	12.	5'-6"	
W2d.	½" ø	STR.	4.	7'-0"	
W2e.	½" ø	BENT.	12.	5'-0"	
S3a.	½" □	STR.	8.	4'-1"	
V2a.	½" ø	STR.	4.	3'-9"	
T2a.	½" ø	STR		18'-0"	
					#268.0

5.3 cu. yds. Conc.



HALF END VIEW. HALF SEC. SYMMETRICAL ABOUT ℄.

LONGITUDINAL SECTION ON ℄.

CULVERT DATA

Present Structure 4'×5'×35' Stone Arch
Proposed, 6'×5'×42' Std. Box Culv.

Work Required;
Remove old stone arch - quantities included in excavation.

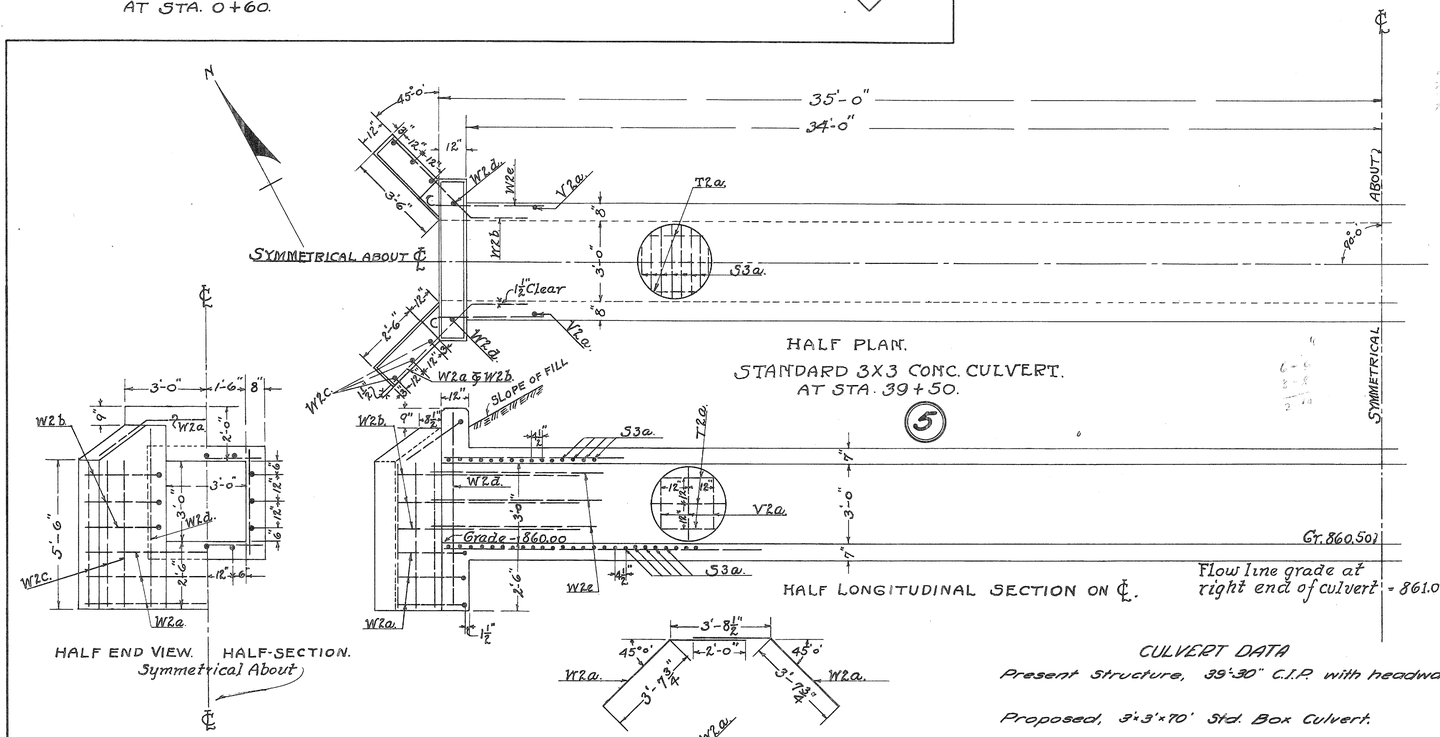
Quantities;
37 Cu. Yds. Excavation.
38.8 Cu. Yds. 1-5⅜ Concrete.
3268 Lbs. Reinforcing Steel.

BARREL STEEL LIST.					
MARK.	SIZE.	SHAPE	NO.	LENGTH	WEIGHT.
S.5a.	½" ø	STR.	167.	7'-5"	
V2.a	½" ø	STR.	80	6'-3"	
T2.a.	½" ø	STR.	22.	41'-6"	
					#2780.

28.8 Cu. Yds. 1-5⅜ Concrete.

HEAD-WALL & WING. STEEL LIST.					
MARK.	SIZE.	SHAPE	NO.	LENGTH	WEIGHT.
S.5a.	½" ø	STR.	8	7'-5"	
V2.a	½" ø	STR.	33	LIN. FEET.	
V2.a.	½" ø	STR.	4.	6'-3"	
W2.a.	½" ø	BENT	16.	10'-3"	
W2.b.	½" ø	BENT	20.	8'-0"	
W2.C.	½" ø	STR.	12.	6'-6"	
W2.d.	½" ø	STR.	4.	9'-0"	
W2.e.	½" ø	BENT.	20.	5'-0"	
					#488.0

Total Concrete, 10.0 Cu. Yds.



HALF PLAN.

STANDARD 3X3 CONC. CULVERT.
AT STA. 39+50.

5

HALF LONGITUDINAL SECTION ON ℄.

Flow line grade at right end of culvert = 861.00

HALF END VIEW. HALF-SECTION. Symmetrical About ℄

BAR BENDING DIAGRAMS.

CULVERT DATA

Present Structure, 39'-90" C.I.P. with headwalls.

Proposed, 3'×3'×70' Std. Box Culvert.

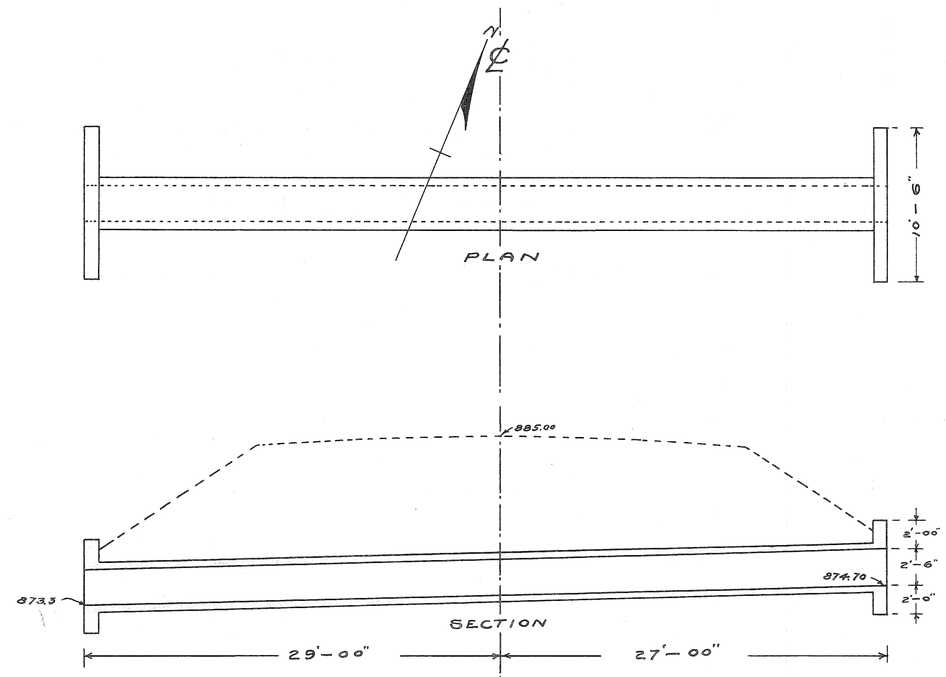
Work Required; Remove C.I.P. & Headwalls - quantities included in excavation.

Quantities;
120 Cu. Yds. Excavation.
27.7 Cu. Yds. 1-5⅜ Concrete.
2410 Lbs. Reinforcing Steel.

FED. RD. DIST. NO.	STATE	FED. PROJ. NO.	FISCAL YEAR.
10.	OHIO.		1930

13.
15.

S.H. (I.C.H.) 118. SEC. "d."
WYANDOT COUNTY.

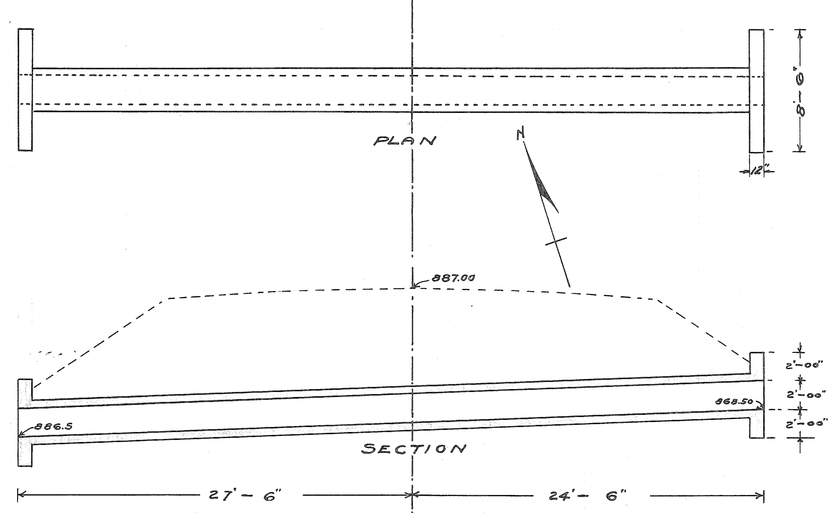


STATION 14+00 (2)

CULVERT DATA.
TYPE - STD. V.S.P. CULVERT. ENCA.
SIZE 30" x 56'
WORK REQUIRED.
Construct Std. V.S.P. Culvert.
2 Std. Headwalls, Drawing #300.
QUANTITIES.

Excavation	25. cu. yds.
30" V.S.P.	56. lineal feet.
1 : 5½ Concrete.	4.6 cu. yds.
1 : 8 Concrete.	14.5 cu. yds.
Reinforcing Steel.	125. Lbs.

No Present Structure.



STATION 26+40 (3)

CULVERT DATA.
TYPE - STD. V.S.P. CULVERT ENCA.
SIZE 24" x 52'.
WORK REQUIRED.
Construct Std. V.S.P. Culvert.
2 Std Headwalls. - Drawing #300.
QUANTITIES.

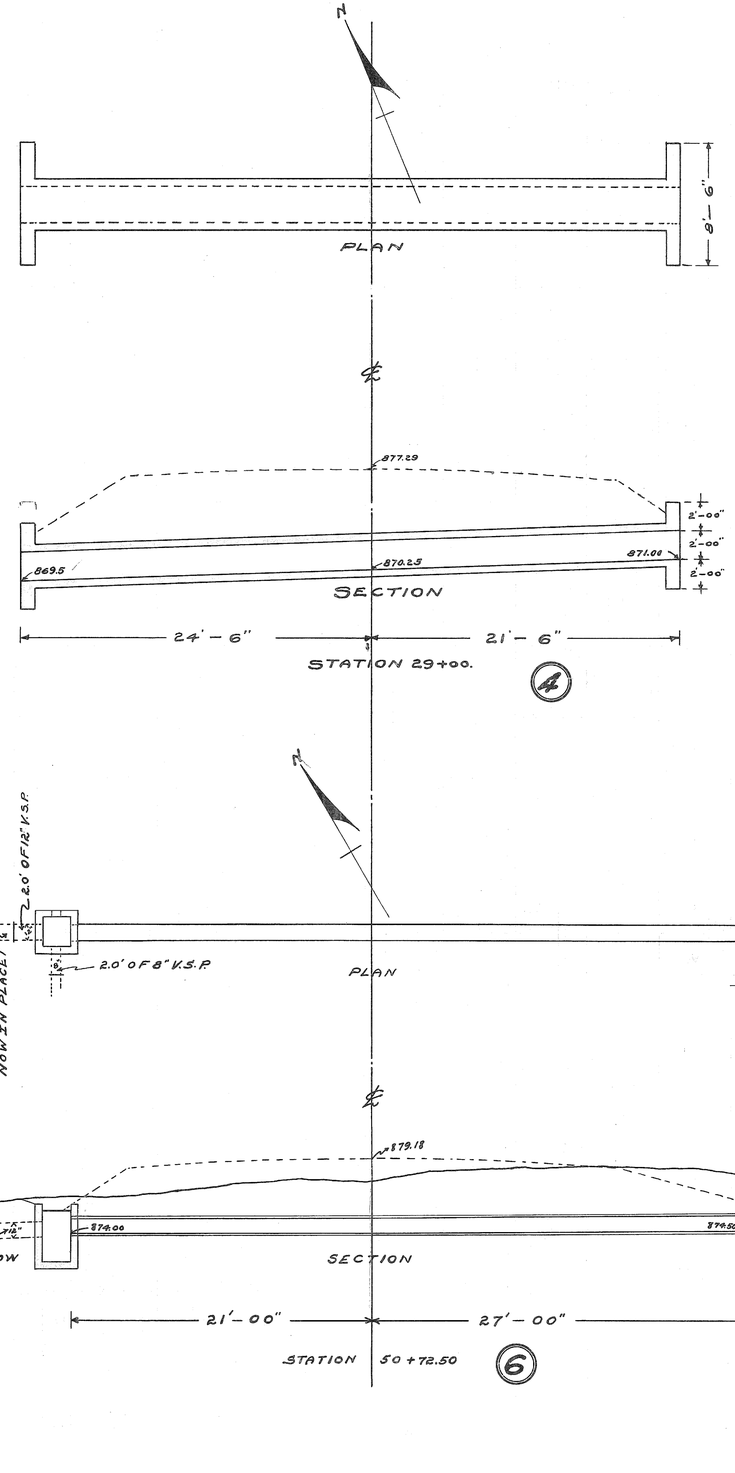
Excavation	13.0 cu yds.
24" V.S.P.	52. lineal feet.
1 : 5½ Concrete.	3.5 cu. yds.
1 : 8 Concrete.	10.3 cu. yds.
Reinforcing Steel	105. Lbs.

No Present Structure.

FED. RD. DIST. NO.	STATE	FED. PROJ. NO	FISCAL YEAR.
10.	OHIO.		1930.

14.
15.

S.H. (I.C.H.) 118. SEC. "A".
WYANDOT COUNTY.



CULVERT DATA.
TYPE- STD. V.S.P. CULVERT, ENCA.
SIZE 24" X 46'.
WORK REQUIRED.
Construct Std. V.S.P. Culvert.
2 Std. Headwalls, Drawing #300.

No Present Structure

QUANTITIES.

Excavation	10.0 Cu. Yds.
24" V.S.P.	46. Lineal feet.
1:5½ Concrete.	3.5 Cu. yds.
1:8 Concrete.	9.1 Cu. yds.
Reinforcing Steel	105. Lbs.

CULVERT DATA
TYPE SPEC'L. C.I. CULVERT.
SIZE 12" X 48'

WORK REQUIRED
REMOVE, CLEAN & RELAY 360' OF C.I. PIPE
CONSTRUCT C.I. CULVERT
" " " ONE ST'D. HEADWALL - DRAWING #300
" " " ONE ST'D. No. 2 CATCH-BASIN " " #305

QUANTITIES

EXCAVATION	17.0 Cu. yds.
12" C.I. PIPE - (Solid)	12.0 Lin. Ft. To Be Furnished.
1:5½ CONCRETE	0.7 Cu. yds.
REINFORCING STEEL	20.0 Lbs.
No. 2 ST'D. CATCH-BASIN	1.0
12" V.S.P.	2.0 LIN. Ft
8" V.S.P.	2.0 " "

FED. RD. DIST. NO.	STATE	FED. PROJ. NO.	FISCAL YEAR.
10.	OHIO.		1930.

15.
15.

S.H. (I.C.H.) 118. SEC "A".
WYANDOT COUNTY.

SUMMARY OF QUANTITIES

STRUCTURES 20 FT. and UNDER.

No.	STA.	TYPE	SIZE	LENGTH	EXC. Cu. yds.		CONCRETE Cu. yds. 1:1½:3	1:1:8			REINF. STEEL LBS.	VIT. SEWER R LIN. FT. 12"	24"	30"		8"	No. 2 C.B.	CLEAN & RELAY V.S.R LIN. FT.			CONCRETE REMOVED Cu. yds.	C.I. PIPE LIN. FT. 12"	18"	24"	C.I.P. Relay 12"	18"	24"		REMARKS.
1	0+60	Std. Box	6'x5'	42	37		38.8				3268.																		4'x3'x35' old stone arch. Remove Present Str. Construct 6'x3'x42' Std. Box Culvert.
2	14+00	V.S.P Enc.	30"x56'	56	25		4.6	14.5			125			56'															No Present Str. Construct Std. V.S.P Culvert 30" x 56'.
3	26+40	V.S.P Enc.	24"x52'	52	13		3.5	10.30			105		52'																No Present Str. Construct Std. V.S.P. Culvert 24" x 52'.
4	29+00	V.S.P Enc.	24"x46'	46	10		3.5	9.10			105		46'																No Present Str. Construct Std. V.S.P Culvert 24" x 46'.
5	39+00	Std. Box	3'x3'	70	120		27.7				2410																		38'-70' C.I.P. Corr. Pipe Culvert. Remove Present Str. Construct Std. 3'x3' Box Culvert 70' [12" new C.I. Pipe
6	50+72.5	SP C.I. Cul.	12"x48'	48	17		0.70				20	2				2	1					12			36				Remove 36'-12" C.I. Cul. Construct 12"x48' C.I Culvert. 1 Std. H.W. 1 Std. 2 C.B. lay 36' old. & 3
	Totals				222.0		78.8	33.9			6033.	2	98	56		2	1					12			36				

SUMMARY OF PRIVATE DRIVES

FROM STATION	TO STATION	EXC. CU. YDS.	COR. PIPE LIN. FT. 8"	10"	12"	18"	24"	30"	LAND TILE LIN. FT. 8"	10"	12"						SIDE OF ROAD
8+90		2.2	16														L.
9+10		2.2	16														R.
16+35		3.3		24													L.
17+85		3.3		24													L.
20+00		2.2	16														L.
20+00		2.2	16														R.
29+90		2.2	16														L.
29+90		2.2	16														R.
33+34	33+84	7.0							50								R.
33+92		2.2	16														R.
35+50		2.2	16														L.
36+50		2.2	16														R.
37+50	38+25	10.4							75								L.
44+42		2.2	16														L.
44+50	45+30	11.1							80								L.
46+00		2.2	16														L.
47+00		2.2	16														R.
48+00		2.2	16														L.
48+08	48+89	11.2							81								L.
49+05		4.4	32														L.
49+21	50+70	20.7							149								L.
Totals		100.0	240.	48					435								

SUMMARY OF EXCAVATION & EMBANKMENT

FROM STA.	TO STA.	LENGTH LIN. FT.	EXC. CU. yds.	EMB. CU. yds.	EMB. + 15% CU. yds.		BORROW CU. yds.	WASTE CU. yds.
0-1	8+50	950	1500	1303.	1498			2
8+50	13+64	514.	1060.	927	1066		6	
13+64	20+00	636.	1501.	1262	1451			50
20+00	26+75	675	1954	1687	1940.			14
26+75	37+00	1025	1538	1350.	1553		15	
37+00	48+50	1150	2643	2318	2666		23	
48+50	53+75	525.	406	305	351			55
Totals		5475	10602	9152.	10525		44 Net 0	121 Net -77

Sta. -1+00 Beginning of Project.
Sta. 53+75 End of Project.
Net Length, 5475 ft.
Excavation, 10,602 Cu. Yds.
Emb. + 15%, 10,525 Cu. Yds.

SUMMARY OF TYPE D-1, D-2, D-3, D-4 GUARD RAIL.

FROM STA.	TO STA.	LINEAL FEET	SIDE.
13+25	14+37	224	R. & L.
25+70	26+66	192	R. & L.
28+50	29+46	96	L.
28+90	29+54	64	R.
38+20	39+80	320.	R. & L.
41+60	42+40	80	L.
Totals		976.	