

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

1
78

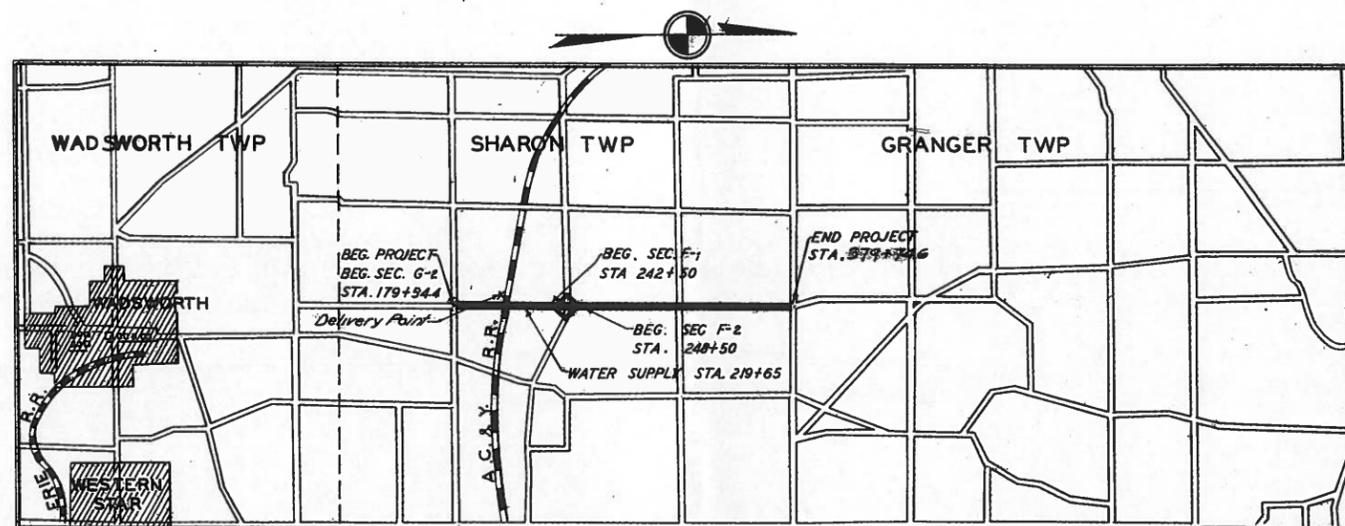
S.H. (I.C.H) 553 SEC. F- F₂ G₂
MEDINA COUNTY

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
CLEVELAND RITTMAN ROAD
S.H. (I.C.H) NO. 553 SEC F₁-F₂-G₂ PET. NO. 6632
MEDINA COUNTY
SHARON TOWNSHIP JUNE 1929.

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

CONVENTIONAL SIGNS

STATE LINE	-----
COUNTY LINE	-----
TOWNSHIP LINE	-----
SECTION LINE	-----
PROPERTY LINE NOT FENCED	-----
CENTER LINE	-----
CITY OR VILLAGE LINE	-----
FENCE	-x-x-x-
TELEPHONE OR TELEGRAPH	T T T T
STEAM RAILROAD	-----
ELECTRIC LINE	-----
GUARD RAIL	-----
DRAIN PIPE-NEW	-----
DRAIN PIPE-OLD	-----



LOCATION PLAN
SCALE OF MILES

WE, THE COMMISSIONERS OF MEDINA COUNTY, HEREBY APPROVE THESE PLANS AND CERTIFY THAT THE RIGHT-OF-WAY 60 FEET WIDE IS AVAILABLE FOR THE CONSTRUCTION MAINTENANCE AND REPAIR OF THE ABOVE HIGHWAY

PORTION TO BE IMPROVED
DETOURS SHOWN THUS
IMPROVED ROADS

SCALES

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

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I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THE IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY

APPROVED _____
DATE _____ RESIDENT DISTRICT DEPUTY DIRECTOR

APPROVED *W. D. ...*
DATE 6-25-29 RESIDENT DIVISION DEPUTY DIRECTOR

APPROVED *Robert J. Beigler*
DATE 7/1/29 DEPUTY DIRECTOR BUREAU OF CONSTRUCTION

APPROVED *W. D. ...*
DATE 7/2/29 FIRST ASSISTANT DIRECTOR
CHIEF ENGINEER

APPROVED *Robert ...*
DATE 7/2/29 DIRECTOR OF HIGHWAYS

CONSTRUCTION BUREAU
SEP 2 1929
GROUND PHOTOLAB

SUPPLEMENTAL PRINTS OF STANDARD DRAWINGS
300, 301, 305, RR-A, AS-2430, SB-2430, 98, 100,
105-A-B-C-D, 130, 134.

DATE _____ COUNTY COMMISSIONERS

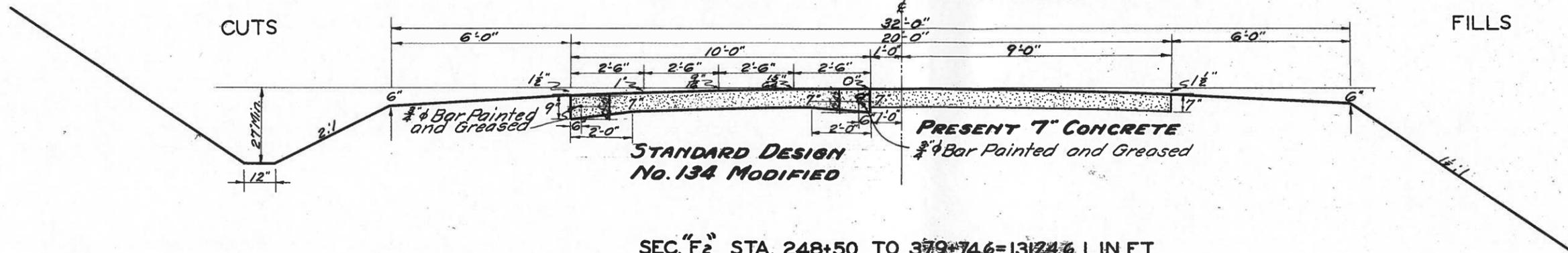
45-M.

TYPICAL CROSS SECTIONS

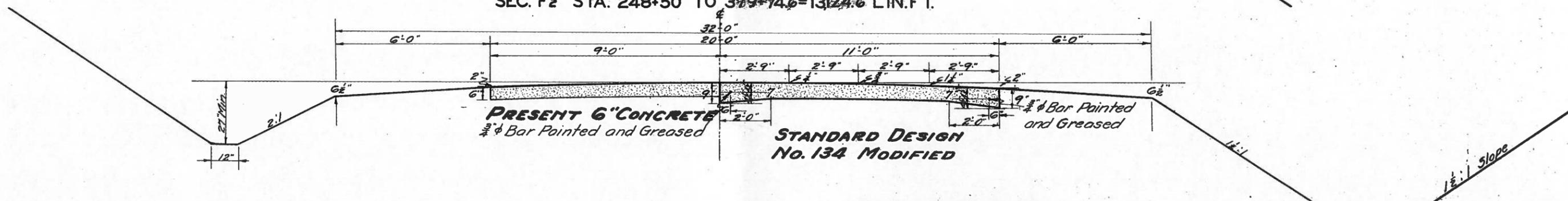
FOR SEC. "F" SEE SHEET 16

2
F, F₁, G₁
MEDINA COUNTY

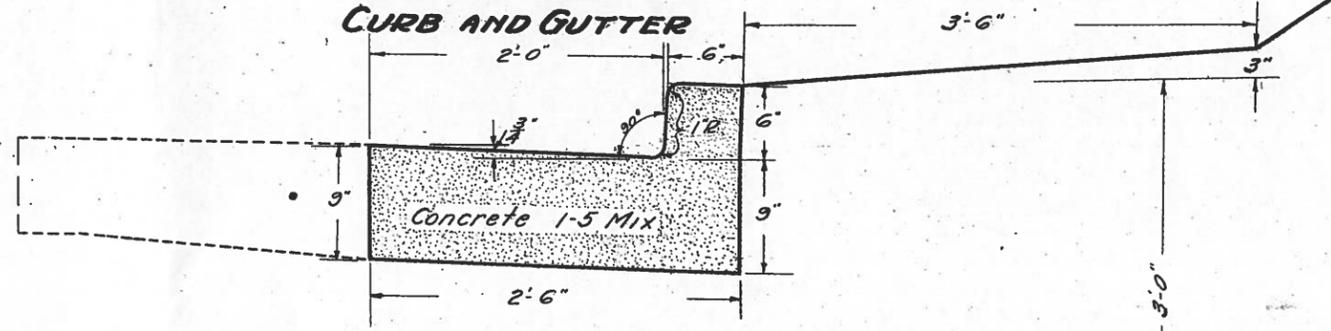
SEC. "G₂" STA. 179+54.4 TO 242+50 = 6295.6 LIN. FT.



SEC. "F₂" STA. 248+50 TO 379+74.6 = 1324.6 LIN. FT.



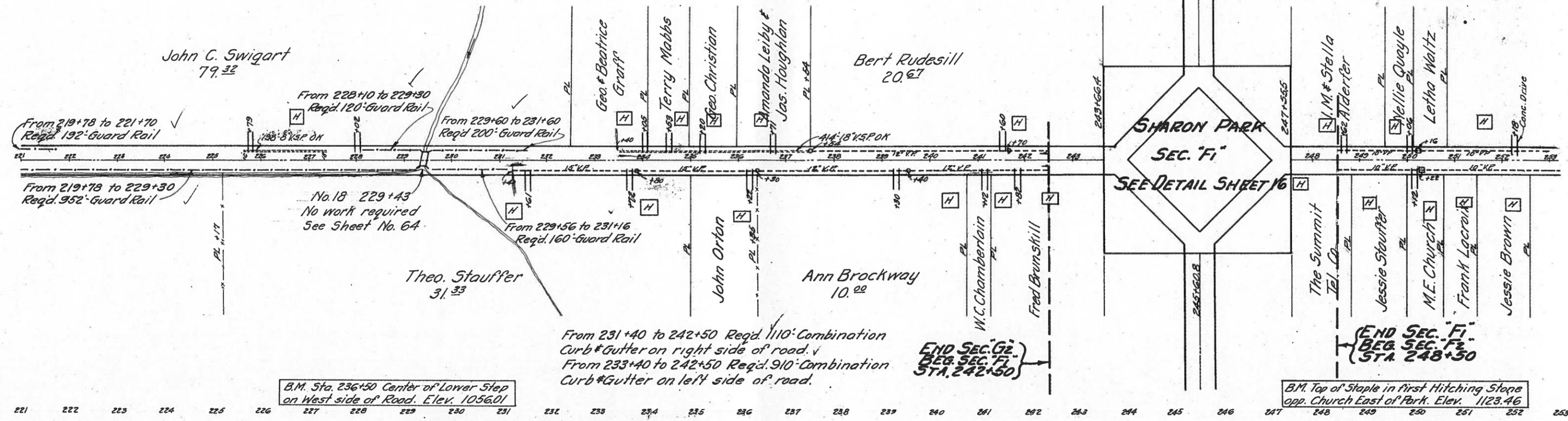
DETAIL OF COMBINED CURB AND GUTTER



Note :- All brush and hedge within the limits of the highway and all trees within the limits of the cross-sections shall be removed and disposed of. Same is estimated under item "Clearing and Grubbing".

Note :- The contractor shall so construct the pavement as to maintain traffic at all times, and shall provide adequate protection to the new pavement against traffic. He shall also provide at least two watchmen to direct traffic for the entire course of construction.

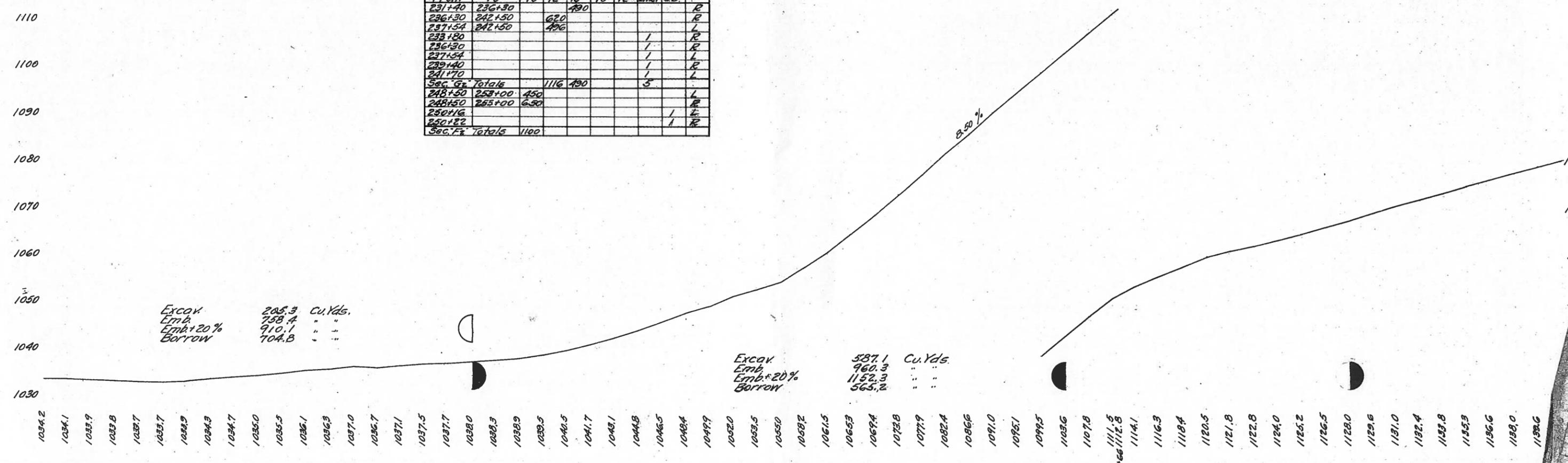
All of same to be included in the unit price bid for "Erecting and Maintaining of Lights, Signs, Barricades and watchmen."



B.M. Sta. 236+50 Center of Lower Step on West side of Road. Elev. 1056.01

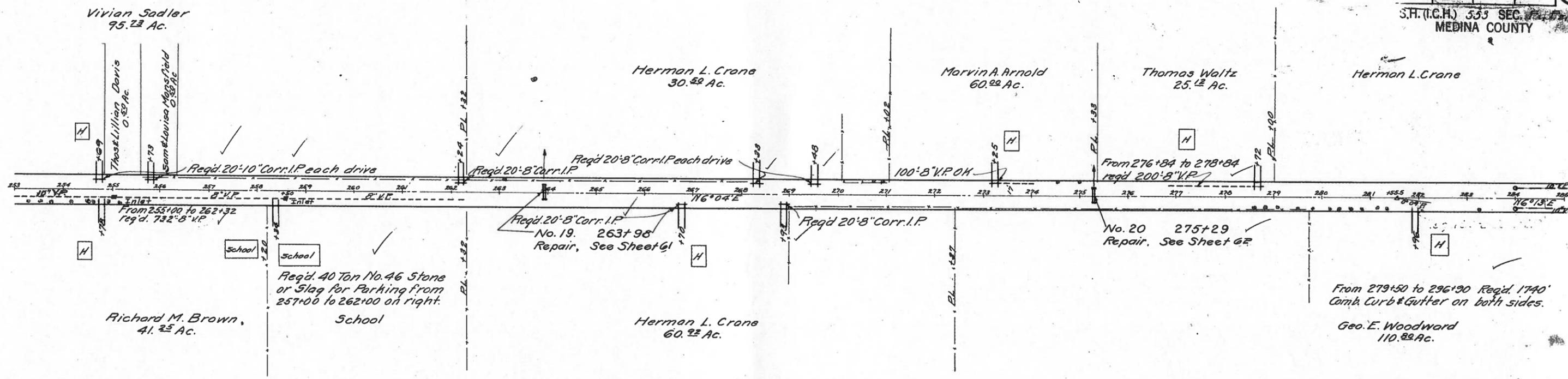
B.M. Top of Staple in first Hitching Stage opp. Church East of Park. Elev. 1123.46

Stations	Vit. Pipe	Corr. R.P.	No. 2	No. 2	Side
From	To	10"	12"	15"	
231+40	236+30			490	R
236+30	242+50	620			R
237+54	242+50	496			L
233+80					R
236+30					R
237+54					L
239+40					R
241+70					L
Sec. G2 Totals		1116	490		
248+50	253+00	450			L
248+50	255+00	630			R
250+16					L
250+22					R
Sec. F2 Totals		1100			



Excav 265.3 Cu. Yds.
 Emb. 758.4
 Emb. + 20% 910.1
 Borrow 704.8

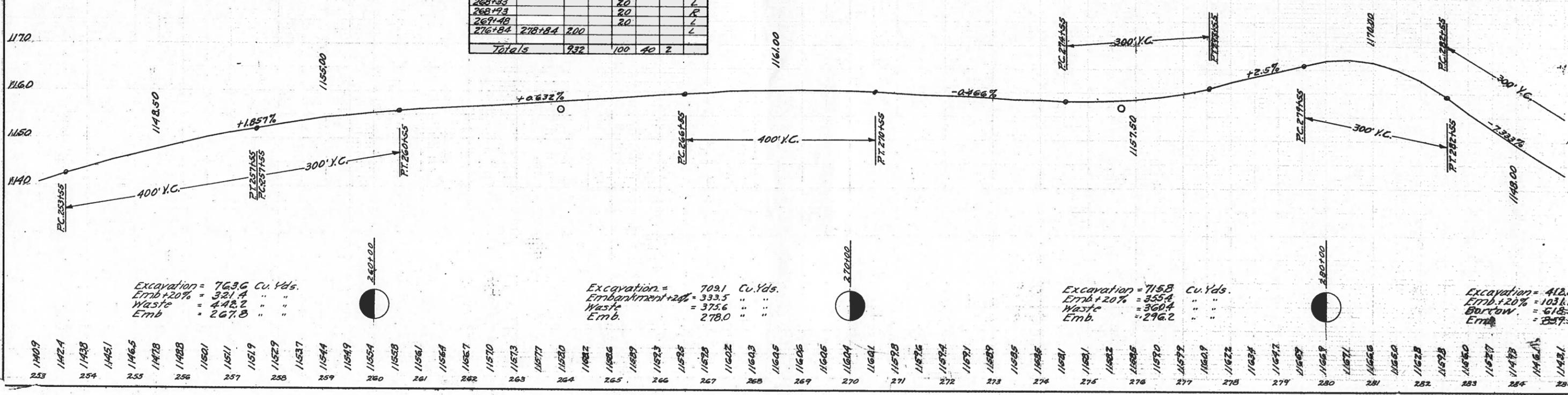
Excav 527.1 Cu. Yds.
 Emb. 960.3
 Emb. + 20% 1152.3
 Borrow 565.2



B.M. Sta. 254+60 N.E. Cor. Lower Stone Step West Side of Road Elev. 1146.94

B.M. Sta. 277+25 N.E. Cor. Stone Step to House West Side of Road Elev. 1160.53

Stations From	To	Vit. Pipe 8" 10'	Corr. I.P. 8" 10'	Catch Basin	Side
255+00				1	R
258+50					R
255+00	262+32	732			R
254+69			20		L
255+73			20		L
262+24			20		L
266+70			20		R
268+33			20		L
268+93			20		R
269+48			20		L
276+84	278+84	200			L
Totals		932	100	40	2



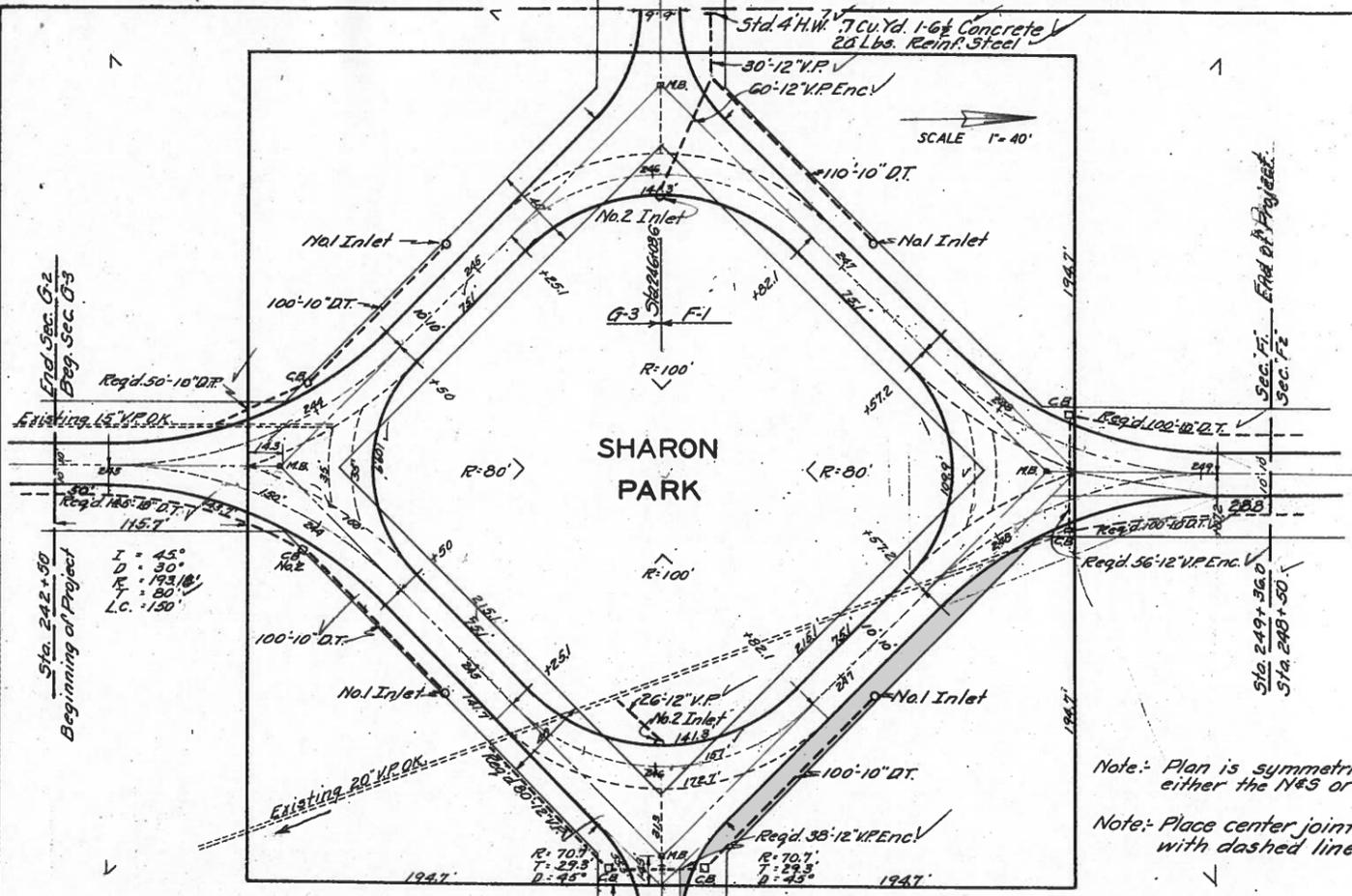
Excavation = 763.6 Cu. Yds.
Emb + 20% = 321.4 " "
Waste = 442.2 " "
Emb = 267.8 " "

Excavation = 709.1 Cu. Yds.
Embankment + 20% = 333.5 " "
Waste = 375.6 " "
Emb. = 278.0 " "

Excavation = 715.8 Cu. Yds.
Emb + 20% = 355.4 " "
Waste = 360.4 " "
Emb. = 296.2 " "

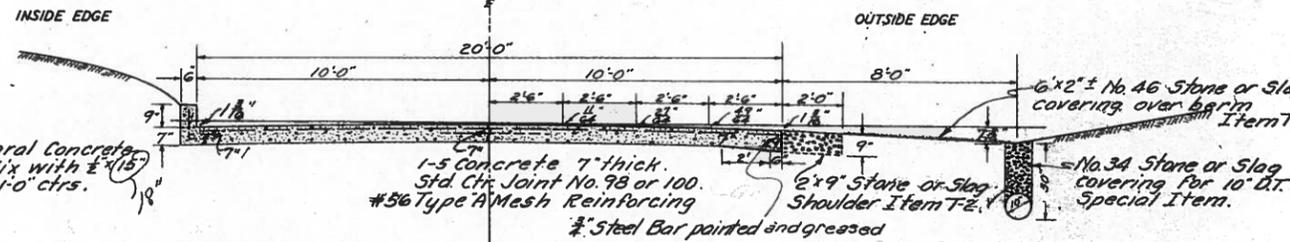
Excavation = 412.8
Emb + 20% = 103.1
Barrow = 618.3
Emb. = 857.3

MAINTAIN TRAFFIC
 The Contractor shall maintain traffic on one side of the Highway while the other side is being built and shall provide adequate protection to the new pavement against traffic; also Flagmen and Watchmen to direct traffic during the entire course of construction.
 All of same to be included in the unit price bid for "Erection and Maintenance of Lights, Signs, Barricades and Watchmen"

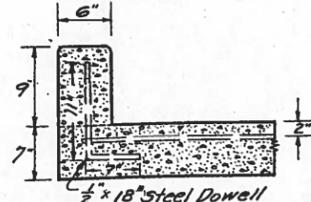


Note: Plan is symmetrical in respect to either the N&S or E&W axis.
 Note: Place center joint as indicated with dashed lines, thus: - - -

TYPICAL CROSS SECTION



DETAIL OF CURB ITEM I-6



No. 34 Stone or Slag Shoulders.
 1521.2 Lin. Ft. Shoulders x 2' wide = 338.0 Sq. Yds.
 338.0 x 0.5175 Tons of Stone per Sq. Yd. = 174.9 Tons Min.
 338.0 x 0.4275 Tons of Slag per Sq. Yd. = 143.5 Tons.
 No. 46 Stone or Slag Berm Covering
 1521.2 Lin. Ft. x 0.046 = 70.0 Tons.

SUMMARY OF PIPE

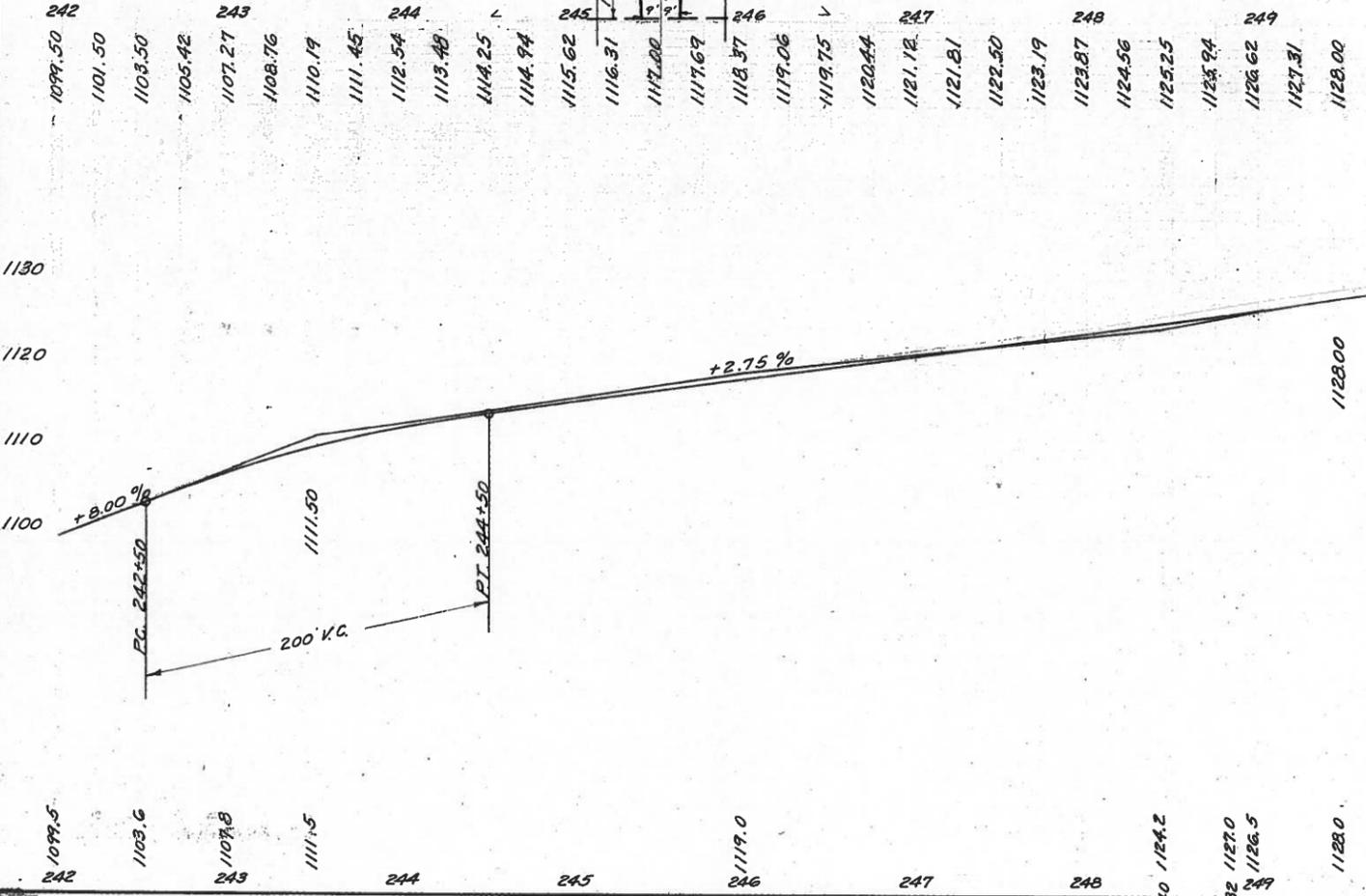
Stations	12" V.P.	10" D.T.	Concrete 1-8	Inlets 1-6	C.B. Reinf. No. 2	Steel	Side		
242+50	244+00	145			1		East		
244+00	245+00	100		1			East		
245+30	245+80	80					East		
245+80	246+18	38	4.1		2		East		
246+18	247+00	100		1			East		
245+80	246+00	26		1			East		
248+40	249+36	100			1		East		
248+40	249+36	56	6.0				Across		
248+40	249+36	100			1		West		
246+00	246+30	60	6.5		1		West		
246+30	247+00	30	7			20	West		
246+80	247+00	110		1			West		
243+50	244+00	50			1		West		
244+00	245+00	100		1			West		
Totals		290	805	166	7	4	2	6	20

SUPERELEVATION DATA

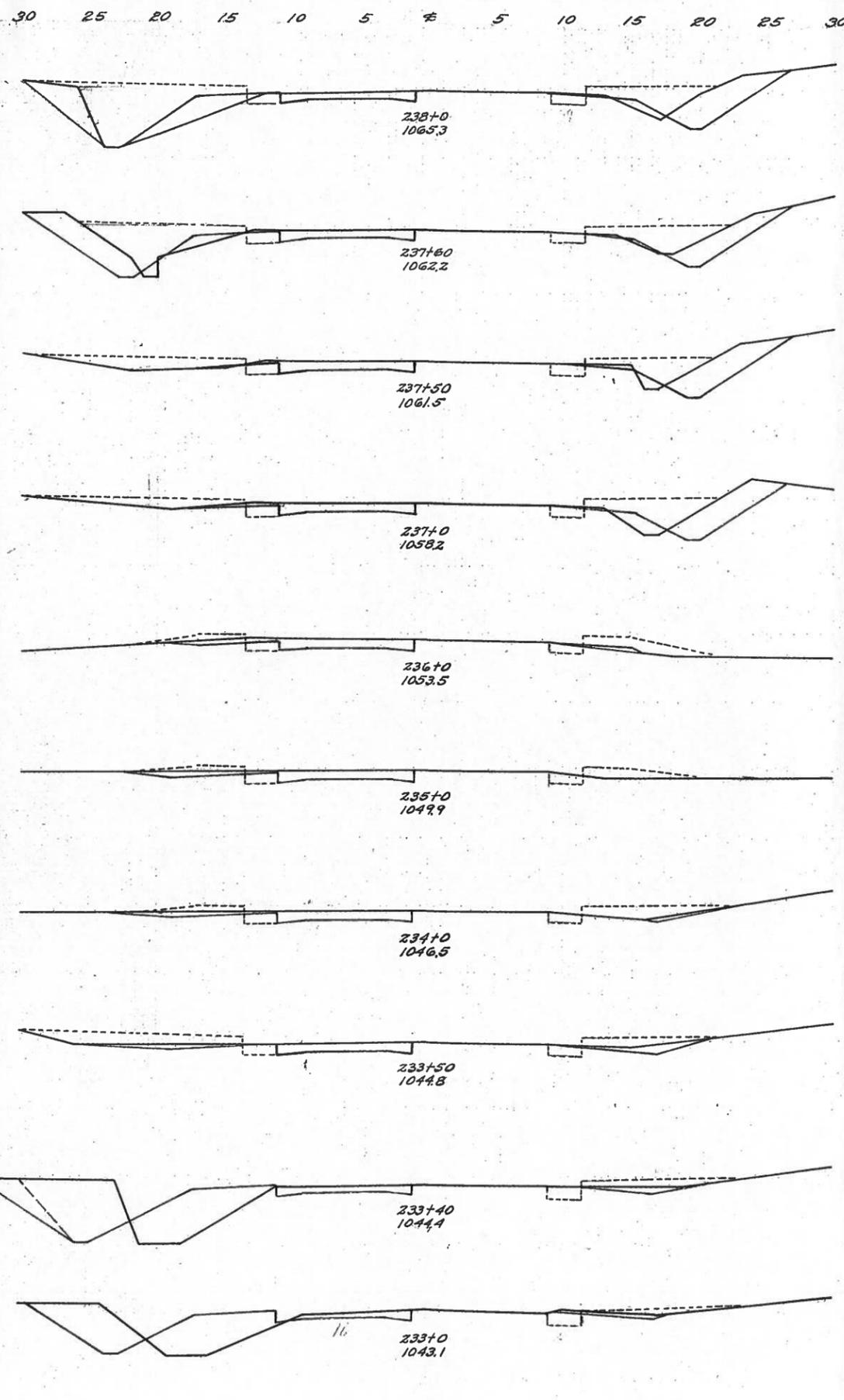
Inside Edge				Outside Edge			
Elev. of Edge	Add to Grade	Subtract from Elev.	Width	Station	Grade	Width	Elev. of Edge
1105.32	0.10	0.00	10.00	242+75	1105.42	10.00	1105.32
1107.50	0.23	0.00	10.00	243+00	1107.27	10.00	1107.17
1109.29	0.33	1.63	10.00	+25	1108.70	10.00	1108.66
1111.35	1.16	6.39	10.00	+50	1110.19	10.00	1110.09
1112.85	1.40	10.00	10.00	+75	1111.45	10.00	1111.35
1113.94	1.40	10.00	10.00	244+00	1112.54	10.00	1112.44
1114.41	0.93	10.00	10.00	+25	1113.48	10.00	1113.48
1114.71	0.46	10.00	10.00	+50	1114.25	10.00	1114.25
1114.84	0.00	0.10	10.00	+75	1114.94	10.00	1114.84
1115.52	0.10	10.00	10.00	245+00	1115.62	10.00	1115.52
1116.21	0.10	10.00	10.00	+25	1116.31	10.00	1116.21
1116.90	0.10	10.00	10.00	+50	1117.00	10.00	1116.90
1117.59	0.10	10.00	10.00	+75	1117.69	10.00	1117.59
1118.27	0.10	10.00	10.00	246+00	1118.37	10.00	1118.27
1118.96	0.10	10.00	10.00	+25	1119.06	10.00	1118.96
1119.16	0.10	10.00	10.00	+32	1119.26	10.00	1119.16
1119.65	0.10	10.00	10.00	+50	1119.75	10.00	1119.65
1120.34	0.10	10.00	10.00	+75	1120.44	10.00	1120.34
1120.53	0.10	10.00	10.00	+82	1120.63	10.00	1120.53
1121.02	0.10	10.00	10.00	247+00	1121.12	10.00	1121.02
1121.22	0.10	10.00	10.00	+07	1121.32	10.00	1121.22
1121.71	0.10	10.00	10.00	+25	1121.81	10.00	1121.71
1121.90	0.00	0.10	10.00	+32	1122.00	10.00	1121.90
1123.14	0.46	10.00	10.00	+57	1123.63	10.00	1123.14
1124.32	0.93	10.00	10.00	+82	1123.39	10.00	1123.29
1125.45	1.40	10.00	10.00	248+07	1124.05	10.00	1123.95
1126.16	1.40	10.00	10.00	+32	1124.76	10.00	1124.66
1126.61	1.16	6.89	10.00	+57	1125.45	10.00	1125.35
1126.66	0.53	1.63	10.00	+82	1126.19	10.00	1126.03
1127.05	0.23	0.00	10.00	249+07	1126.82	10.00	1126.72
1127.40	0.10	0.00	10.00	+32	1127.50	10.00	1127.40

ESTIMATED QUANTITIES

- No. 46 Stone or Slag for Berms 70.0 Tons ✓
- Excavation unclassified (estimated) 700.0 Cu. Yds. ✓
- 6" Concrete Pavement removed 1522.0 Sq. Yds. ✓
- Shoulders and Slopes dressed (oneside) 2324.0 Lin. Ft. ✓
- 2' x 9" No. 34 Stone or Slag Shoulders with No. 7 screenings compacted in place 338.0 Sq. Yds. ✓
- 6" x 9" Integral Concrete Curb 802.8 Lin. Ft. ✓
- 7" x 7" Reinforced Concrete Pavement, Std. Center Joint No. 98 or 100 384.0 Sq. Yds. ✓
- 12" Vitrified Sewer Pipe in place 2348.0 Lin. Ft. ✓
- 18" Drain Tile in place covered with No. 34 stone 805.0 Lin. Ft. ✓
- 1-8 Concrete in place 16.6 Cu. Yds. ✓
- Std. No. 2 Catch Basins Complete 6 ✓
- Manument Boxes in place 4 ✓
- Std. No. 1 Inlets Complete 4 ✓
- Std. No. 2 Inlets Complete 2 ✓
- Reinforcing steel 20 Lbs. ✓
- 1-6" Concrete in place 0.7 Cu. Yds. ✓

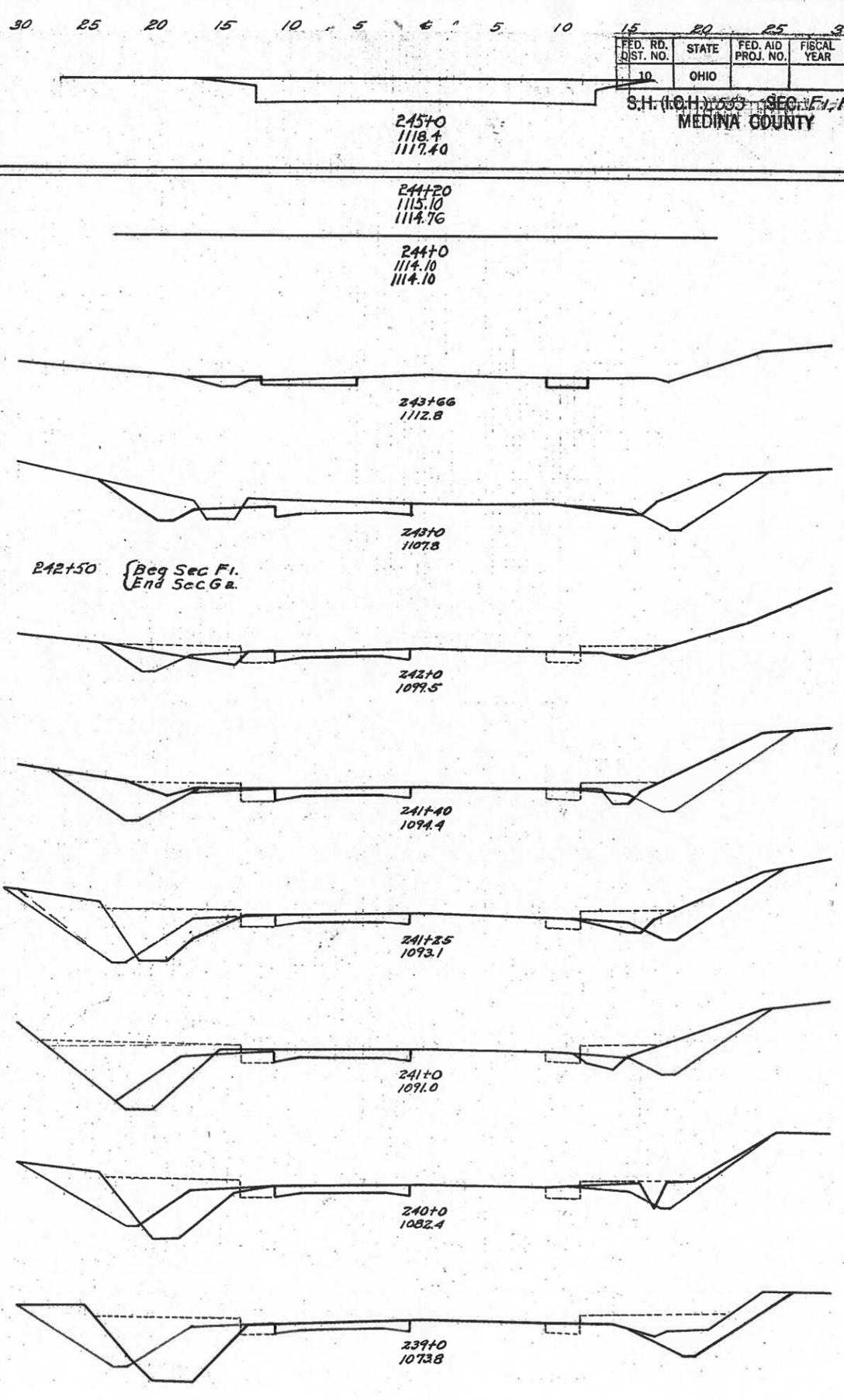


End Area	Cu. Yds.	End Area	Cu. Yds.
Cut	Fill	Cut	Fill
29	0	11	2
9	50	14	62
37	3	3	4
10	34	3	7
15	7	3	10
10	21	7	7
20	3	20	42
12	25	5	7
12	25	44	63
12	25	7	1
12	25	43	30
10	10	4	0
11	7	44	30
12	9	2	0
12	9	27	25
11	10	9	4
11	10	8	8
32	27	7	5
24	22	43	31
24	22	41	37
24	22	7	1
24	22	76	72



EXCESS 1.59%
EMBED 20% 1.32%

End Area	Cu. Yds.	End Area	Cu. Yds.
Cut	Fill	Cut	Fill
49	0	14	0
50	0	18	0
0	0	13	5
7	8	7	9
34	2	41	9
11	8	44	3
10	8	41	9
4	10	0	3
11	10	24	20
40	10	23	11
13	31	7	11
2	12	2	34
2	13	4	46
11	30	54	136
2	13	11	57
3	18	37	141
3	18	2	4
3	18	11	50
3	18	33	177



242+50 { Beg Sec F1.
End Sec G2.

FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR
10	OHIO		37
			78

S.H. (10.H.) 1053 - SEC. F1, F2, G2
MEDINA COUNTY

