

STATE OF OHIO
 DEPARTMENT OF HIGHWAYS AND PUBLIC WORKS
 DIVISION OF HIGHWAYS
 BUREAU OF CONSTRUCTION

SEC. "MEDINA", "J₂", "J₁" & "K₂" OF CLEVELAND-HINCKLEY-MEDINA ROAD

FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR
10	OHIO		1925

1
25

I.C.H. 32 Sec. MEDINA
 MEDINA COUNTY

Note: The Paving, Borrow, Guard Rail and Shoulders, Slopes and ditches between Sta. 72+00 and 82+00 to be under separate Contract.

I.C.H. 32 P.E.T. No. 5159-5165

MEDINA COUNTY

MEDINA TWP.
 1925

INDEX	
Title Page	Page
Typical Cross Section	2
Plans and Profile	3-12
Cross Sections	13-28
Summary	2
Drain Pipe and Guard Rail	12
Bridges over 20' Span	25

CONVENTIONAL SIGNS

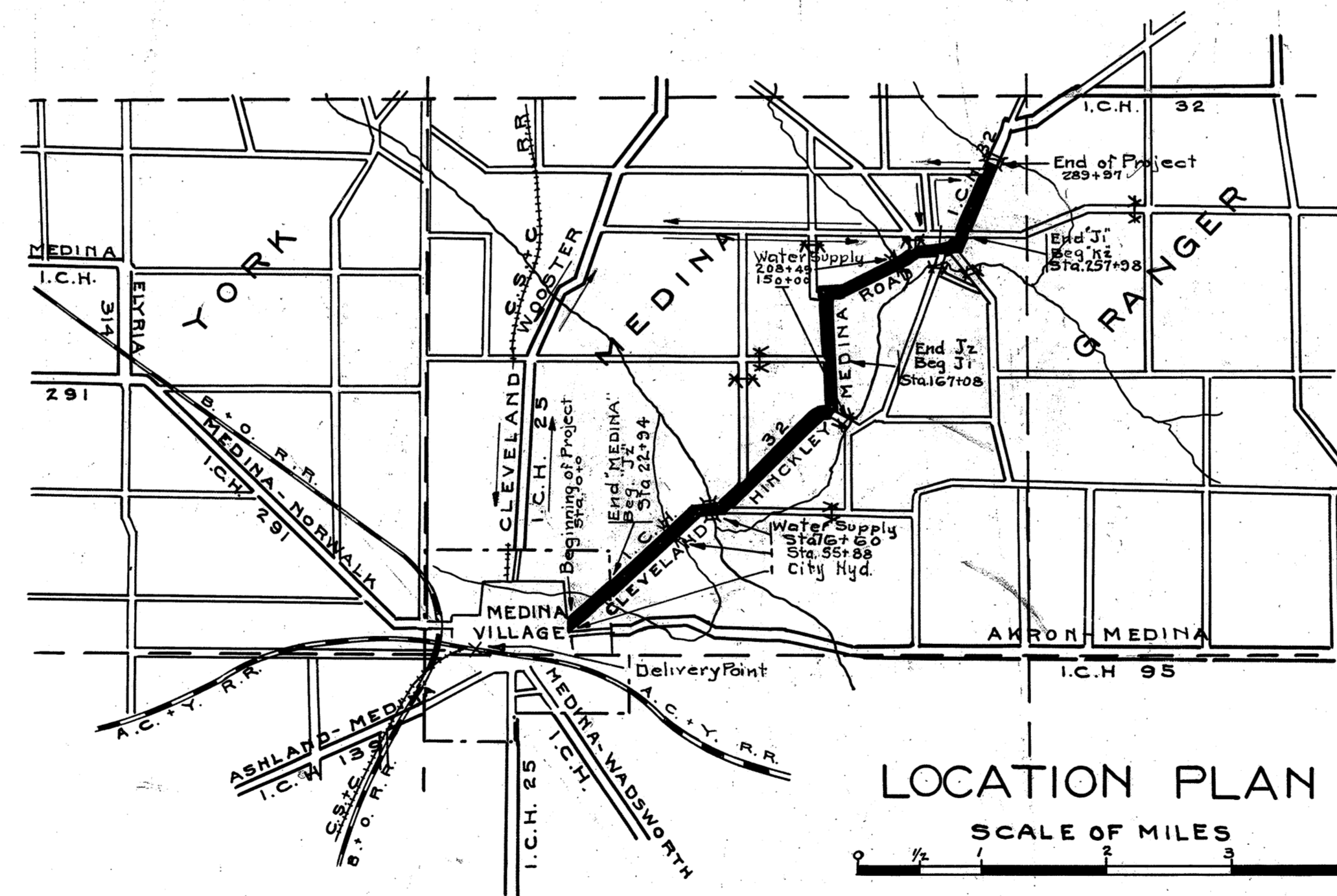
- County Line -----
- Township Line -----
- Section Line -----
- Center Line -----
- Property line not fenced -----
- City or Village line -----
- Fence -x-x-x-x-
- Telephone or Telegraph <<<<<
- Steam Railroad =====
- Electric Railroad +++++

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.

John Dunn
John Ewing
B.M. Overholt

Date 9/10/25 County Commissioners.

County Auditor to Date



Portion to be improved =====
 Detours marked thus -----
 Barricades -x-x-

SCALES

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

CONSTRUCTION
 BUREAU
 AUG 30 1925
 GROUND PHOTOLAB

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 the highway and that detours will be provided as shown on the plan and estimates.

Approved: *J.R. Ault*
 Date 7/2-25 Resident Engineer.

Approved: *J.B. Brindle*
 Date 7/14/25 Division Engineer.

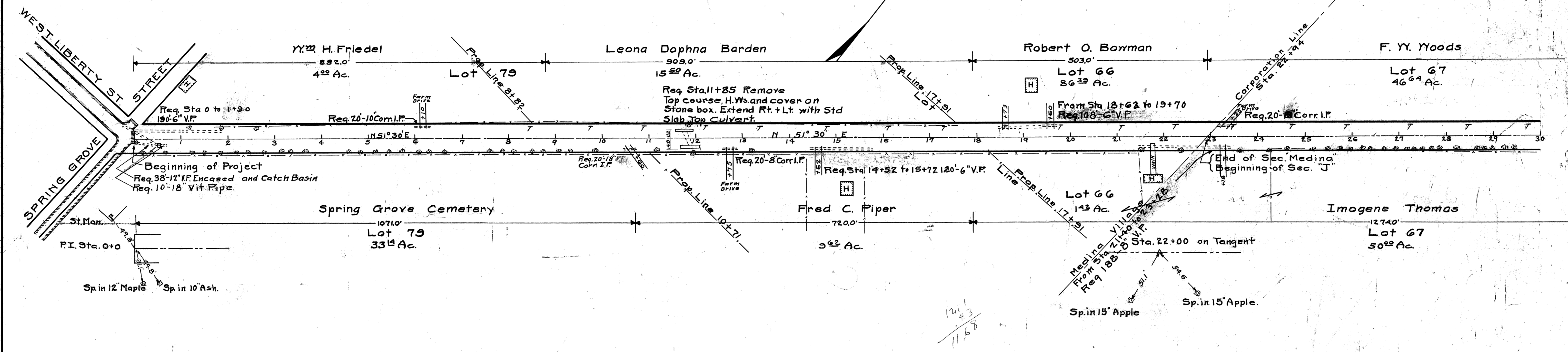
Approved: *G.J. Schlinger*
 Date 7/22/25 State Highway Engineer.

Approved: *R.A. Boulay*
 Date 7/22/25 Director of Highways and Public Works.

Recommended for Approval: _____
 Date _____ District Engineer,
 Bureau of Public Roads.

Recommended for Approval: _____
 Date _____ Chief Engineer,
 Bureau of Public Roads.

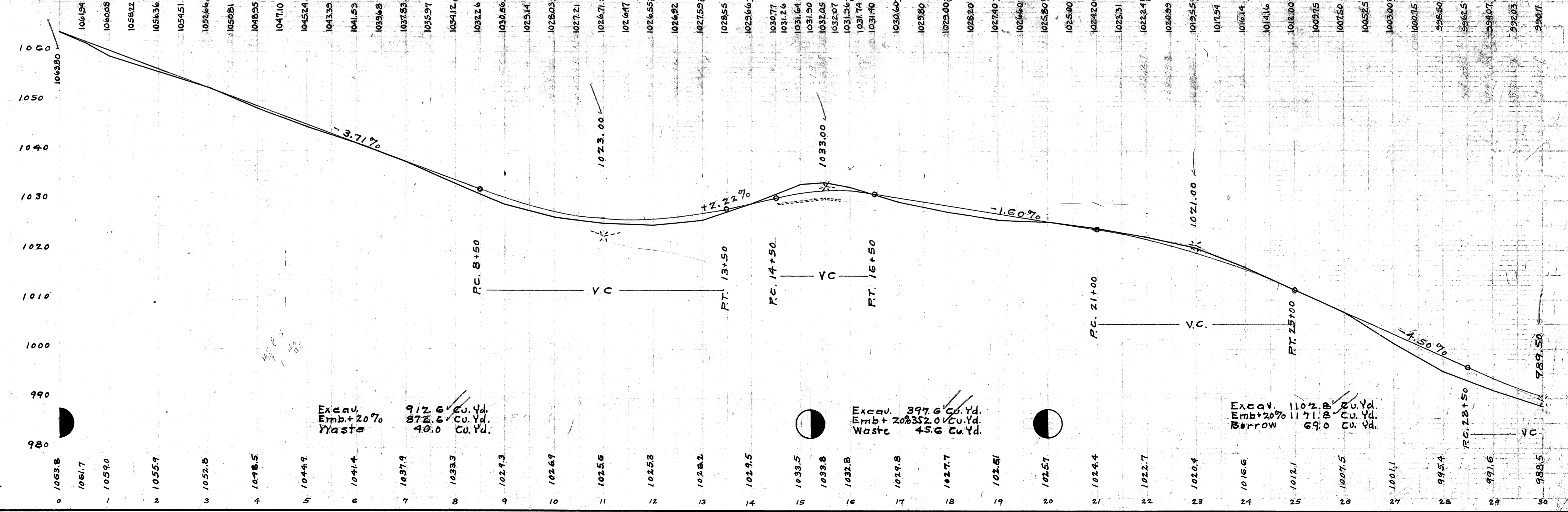
Approved: _____
 Date _____ Chief of Bureau.

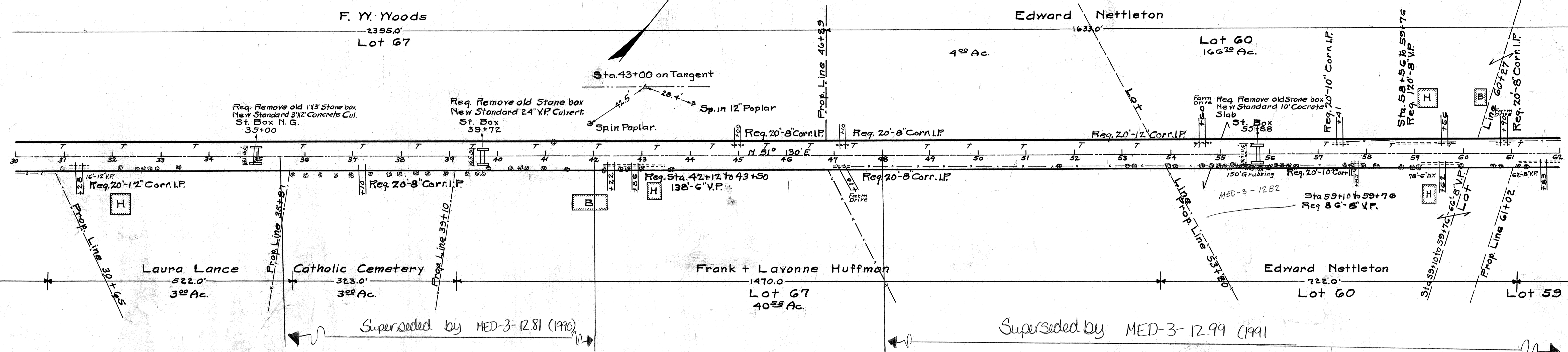


B.M. Station 0+0
 Spike in 12' Maple 30' S.E.
 Elevation 1064.67

B.M. Station 11+85
 Spike in 30" Elm S. Side Rd.
 Elevation 1022.34

B.M. Station 21+90
 X on stone walk
 Elevation 1023.37



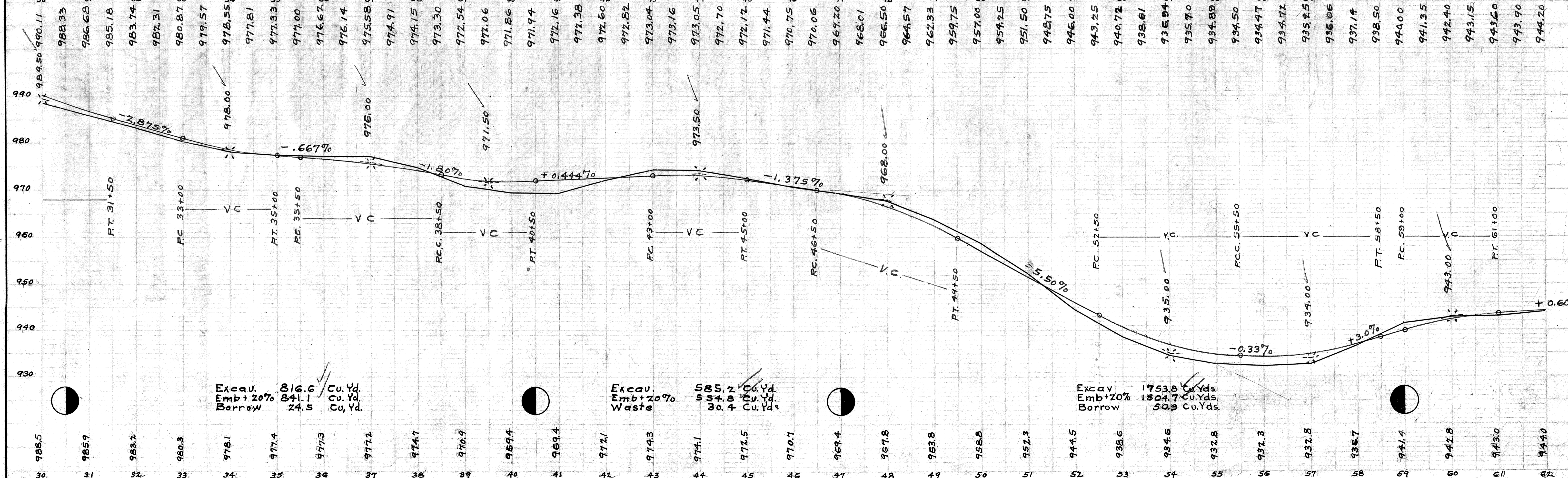


B.M. Station 31+50
 Spike in Double Elm S. Side
 Elevation 986.35

B.M. Station 42+75
 Spike in 18' Poplar
 Elevation 975.63

B.M. Station 54+40
 Spike in N. Side Tel. Pole
 Elevation 935.12

B.M. Station 57+05
 Spike in 18' Locust S. Side Rd.
 Elevation 936.50

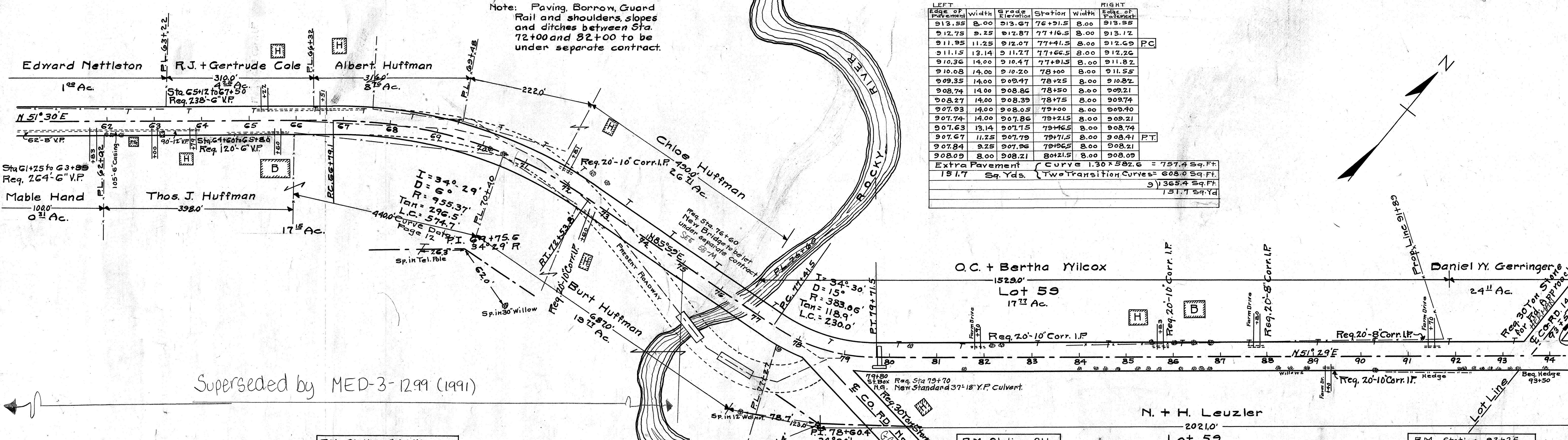


Note: Paving, Borrow, Guard Rail and shoulders, slopes and ditches between Sta. 72+00 and 82+00 to be under separate contract.

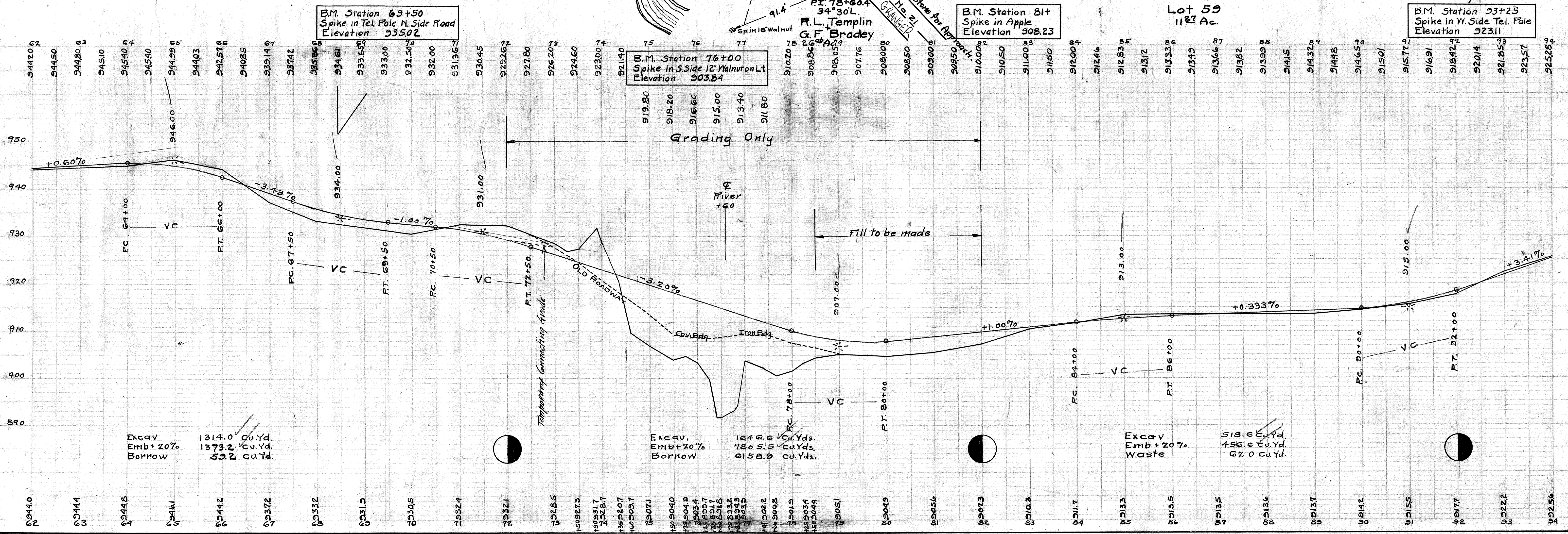
15° Curve at Sta. 78+60.4

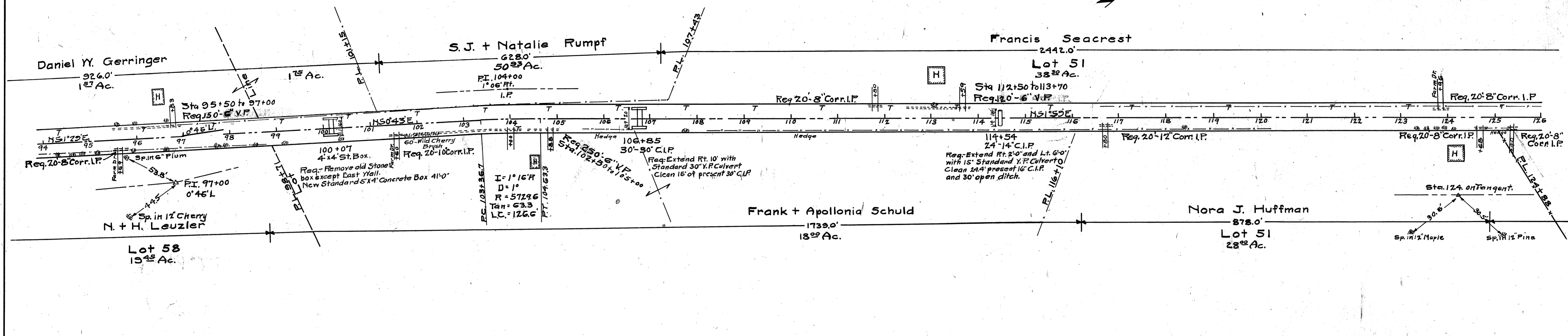
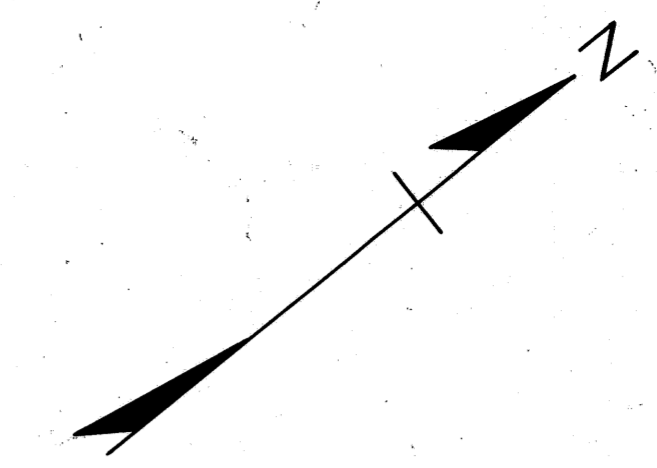
LEFT	RIGHT				
Edge of Pavement	Edge of Pavement				
913.55	8.00	913.67	76+91.5	8.00	913.55
912.75	9.25	912.87	77+116.5	8.00	913.12
911.95	11.25	912.07	77+41.5	8.00	912.69
911.15	13.14	911.27	77+66.5	8.00	912.26
910.36	14.00	910.47	77+91.5	8.00	911.82
910.08	14.00	910.20	78+00	8.00	911.55
909.35	14.00	909.47	78+25	8.00	910.82
908.74	14.00	908.86	78+50	8.00	909.21
908.27	14.00	908.39	78+75	8.00	909.74
907.93	14.00	908.05	79+00	8.00	909.40
907.74	14.00	907.86	79+21.5	8.00	909.21
907.63	13.14	907.75	79+46.5	8.00	908.74
907.67	11.25	907.79	79+71.5	8.00	908.41
907.84	9.25	907.96	79+96.5	8.00	908.21
908.09	8.00	908.21	80+21.5	8.00	908.09

Extra Pavement { Curve 1.30 x 582.6 = 757.4 Sq. Ft.
151.7 Sq. Yds. } Two Transition Curves = 608.0 Sq. Ft.
151.7 Sq. Yds.



Superseded by MED-3-1299 (1991)

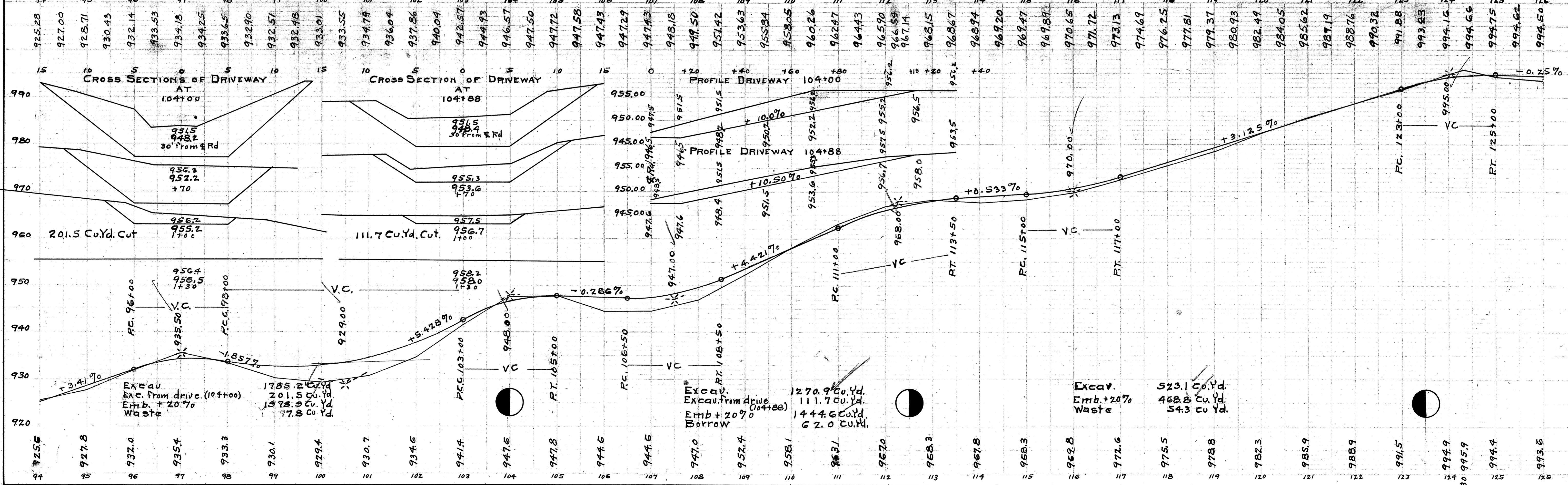


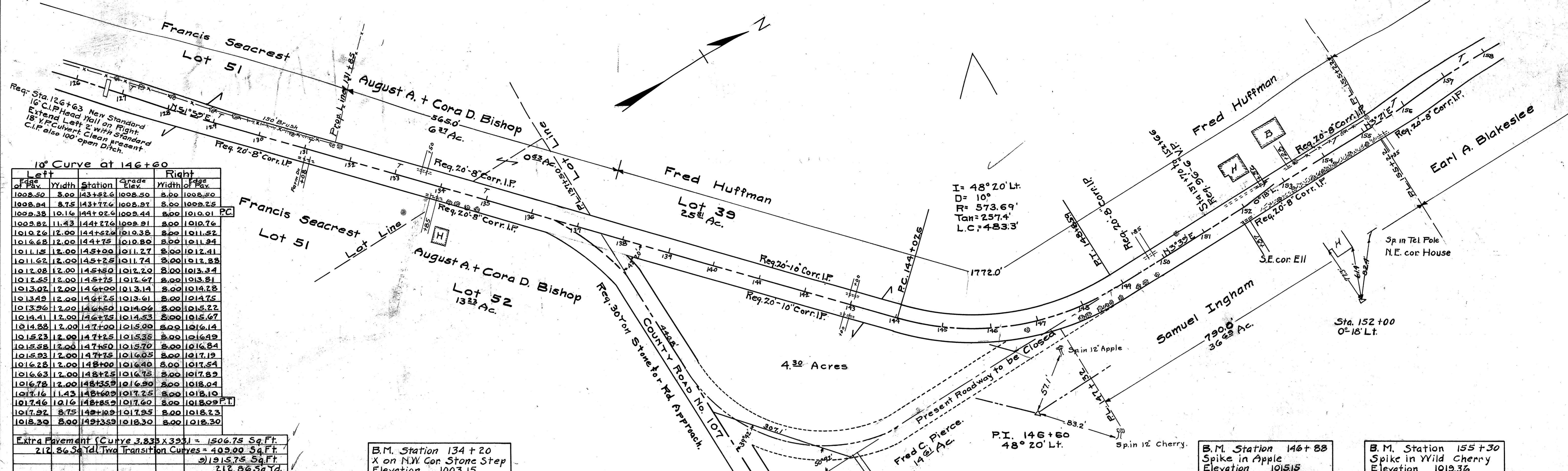


B.M. Station 96+85
Spike in E. Side Wild Cherry
Elevation 937.30

B.M. Station 112+67
Nail in 18" Elm. Y. Side Road
Elevation 968.56

B.M. Station 123+85
Spike in 12" Maple on Right
Elevation 996.94





10° Curve at 146+60

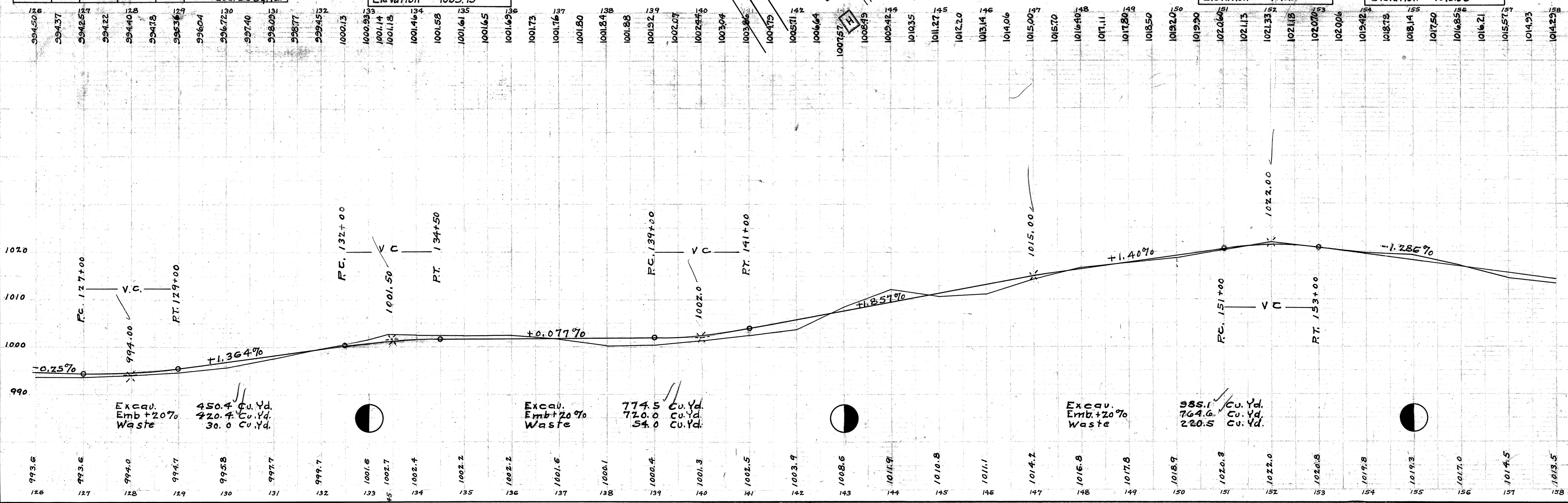
Left Edge of Pav.	Width	Station	Grade Elev.	Right Edge of Pav.	Page
1008.50	8.00	143+52.6	1008.50	1008.50	
1008.84	8.75	143+77.6	1008.84	1009.28	
1009.38	10.16	144+02.6	1009.44	1010.01	PC
1009.82	11.43	144+27.6	1009.91	1010.76	
1010.26	12.00	144+52.6	1010.38	1011.52	
1010.68	12.00	144+75	1010.80	1011.94	
1011.15	12.00	145+00	1011.27	1012.41	
1011.62	12.00	145+25	1011.74	1012.88	
1012.08	12.00	145+50	1012.20	1013.34	
1012.55	12.00	145+75	1012.67	1013.81	
1013.02	12.00	146+00	1013.14	1014.28	
1013.49	12.00	146+25	1013.61	1014.75	
1013.96	12.00	146+50	1014.06	1015.22	
1014.41	12.00	146+75	1014.53	1015.67	
1014.88	12.00	147+00	1015.00	1016.14	
1015.23	12.00	147+25	1015.35	1016.69	
1015.58	12.00	147+50	1015.70	1016.84	
1015.93	12.00	147+75	1016.05	1017.19	
1016.28	12.00	148+00	1016.40	1017.54	
1016.63	12.00	148+25	1016.75	1017.89	
1016.78	12.00	148+35.9	1016.90	1018.04	
1017.16	11.43	148+60.9	1017.25	1018.10	
1017.46	10.16	148+85.9	1017.60	1018.09 P.T.	
1017.92	8.75	149+10.9	1017.95	1018.23	
1018.39	8.00	149+35.9	1018.30	1018.30	

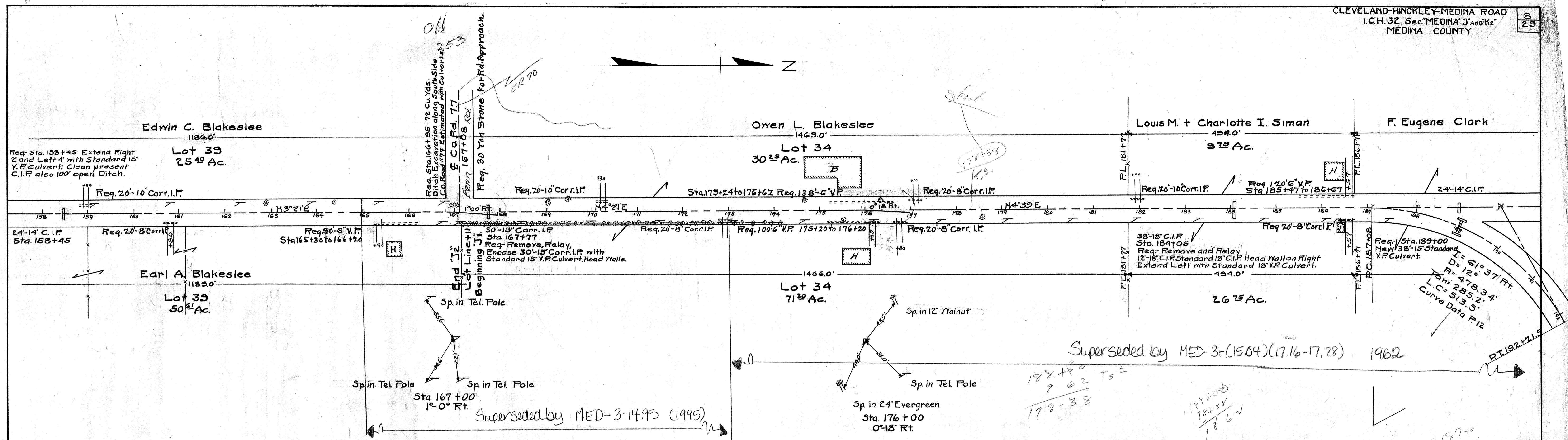
Extra Pavement (Curve 3.833 x 393) = 1506.75 Sq. Ft.
 212.86 Sq. Ft. for Transition Curves = 409.00 Sq. Ft.
 1915.75 Sq. Ft.
 212.86 Sq. Ft.

B.M. Station 134+20
 X on N.W. Cor. Stone Step
 Elevation 1003.15

B.M. Station 146+88
 Spike in Apple
 Elevation 1015.15

B.M. Station 155+30
 Spike in Wild Cherry
 Elevation 1019.36

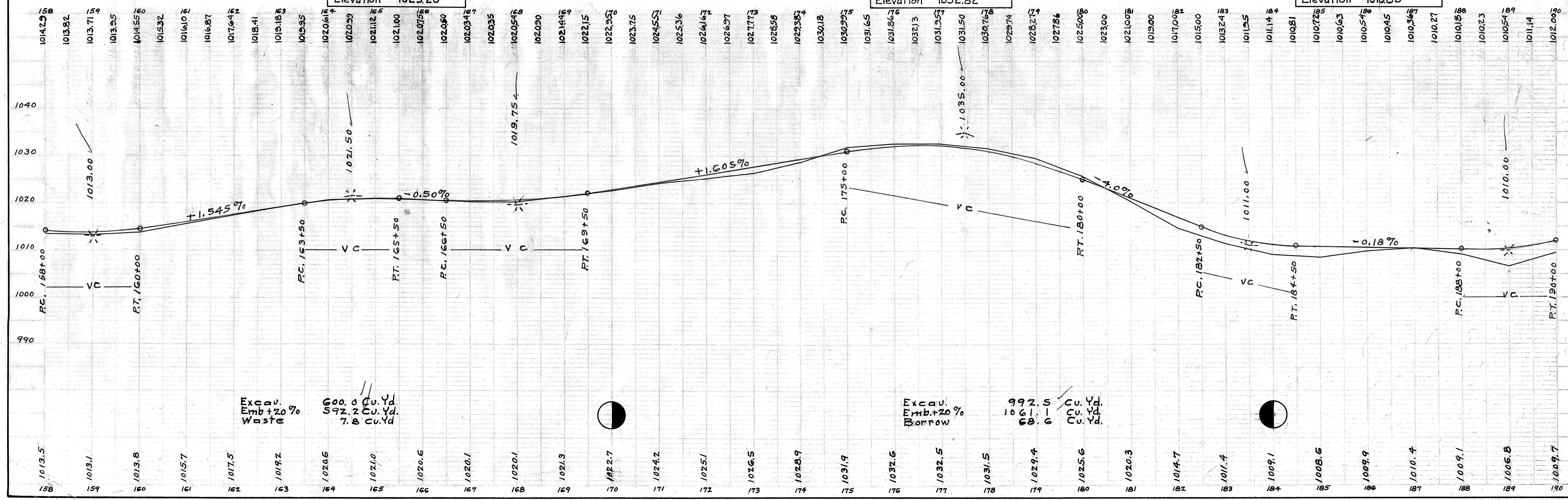


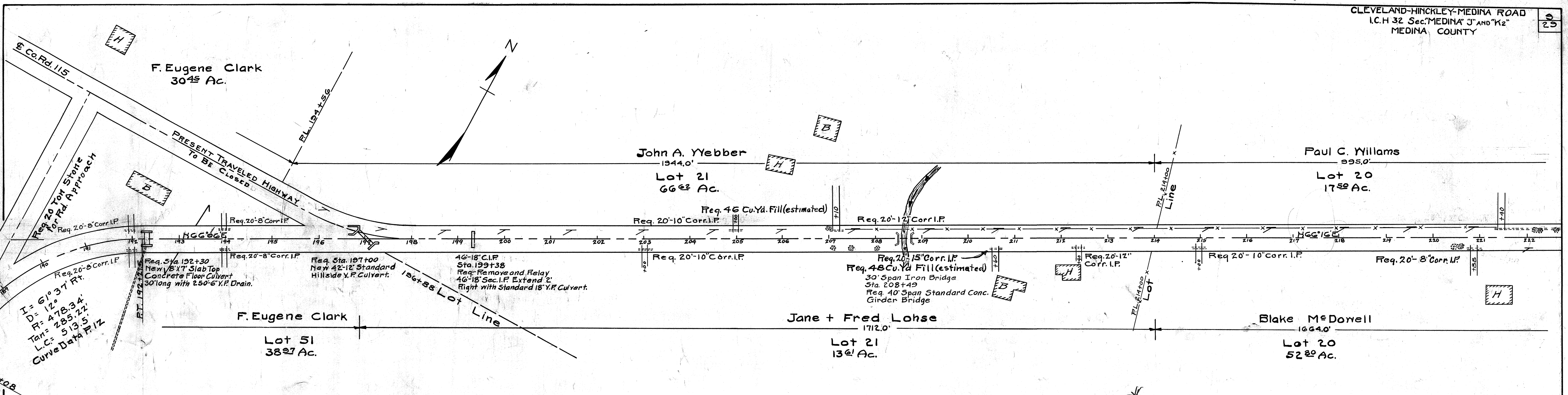


B. M. Station 165+60
 Spike in 14' Maple on Right
 Elevation 1023.20

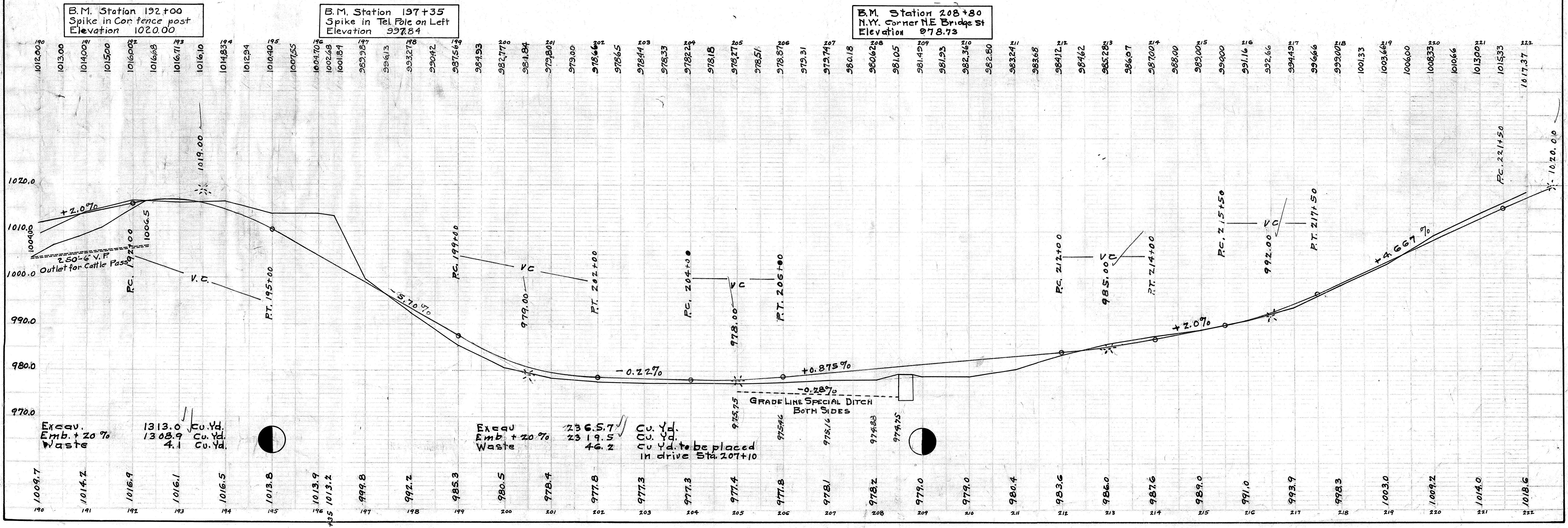
B. M. Station 176+35
 Spike in 12' Walnut on Left
 Elevation 1032.82

B. M. Station 186+10
 Spike in Tel. Pole on Right
 Elevation 1010.85

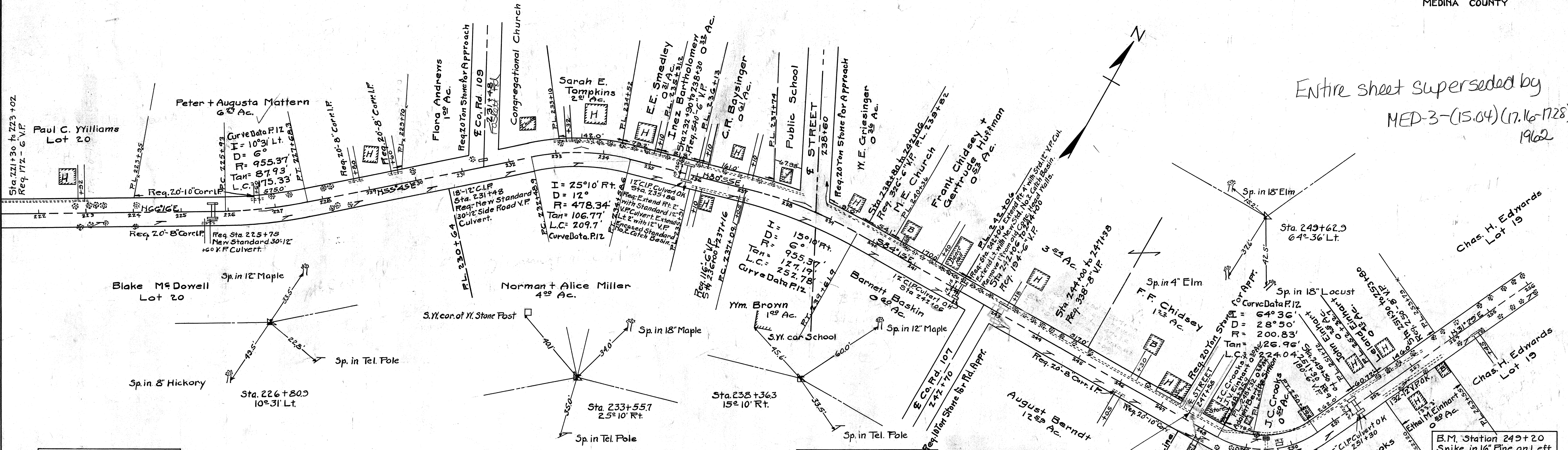




Entire sheet superseded by
 MED-3- (15.04)(17.16-17.28) 1962



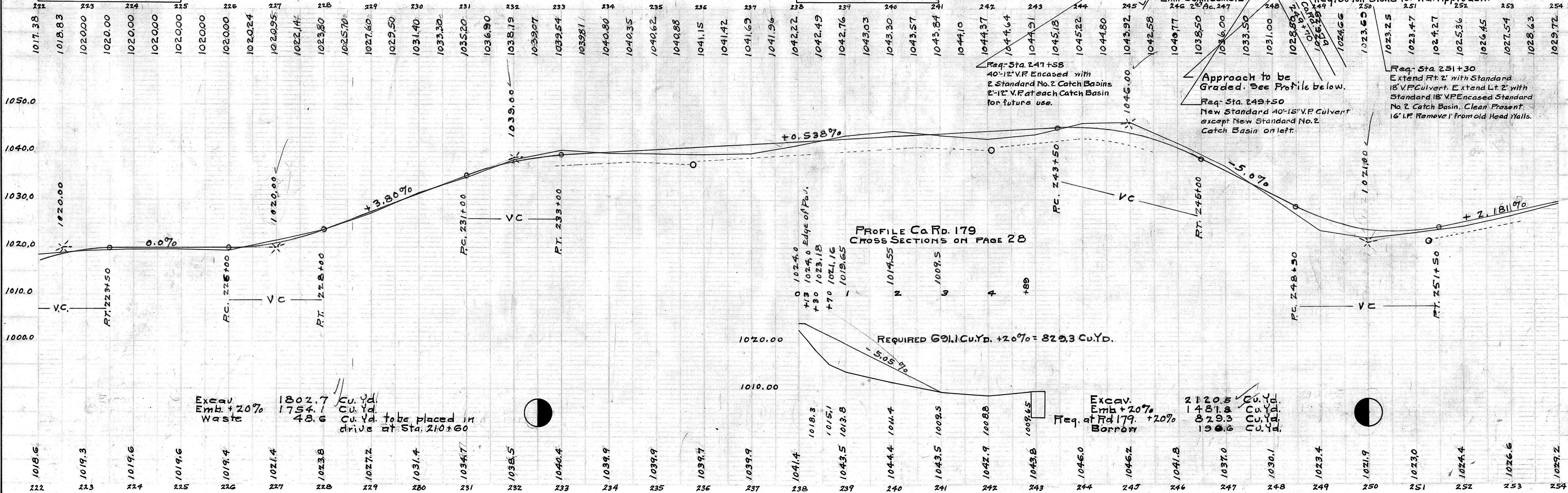
Entire sheet superseded by
 MED-3-(15.04)(17.16-1728)
 1962



B.M. Station 222+50
 S.E. Cor. Lower St. Stephen Lt.
 Elevation 1021.23

B.M. Station 239+25
 Spike in 20' Maple on Lt.
 Elevation 1046.41

B.M. Station 249+20
 Spike in 16' Pine on Left
 Elevation 1027.48

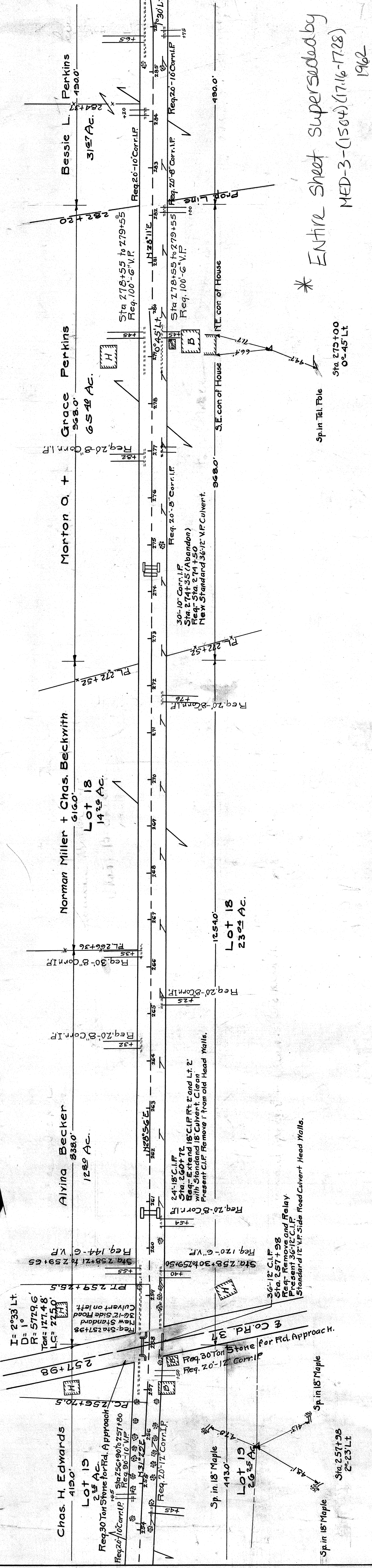
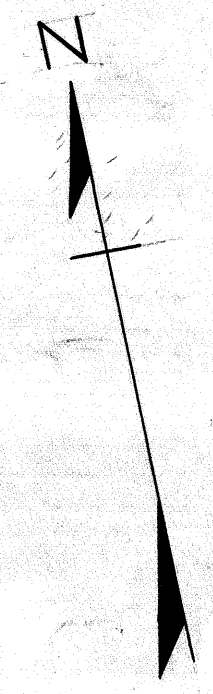


PROFILE Co. Rd. 179
 CROSS SECTIONS ON PAGE 28

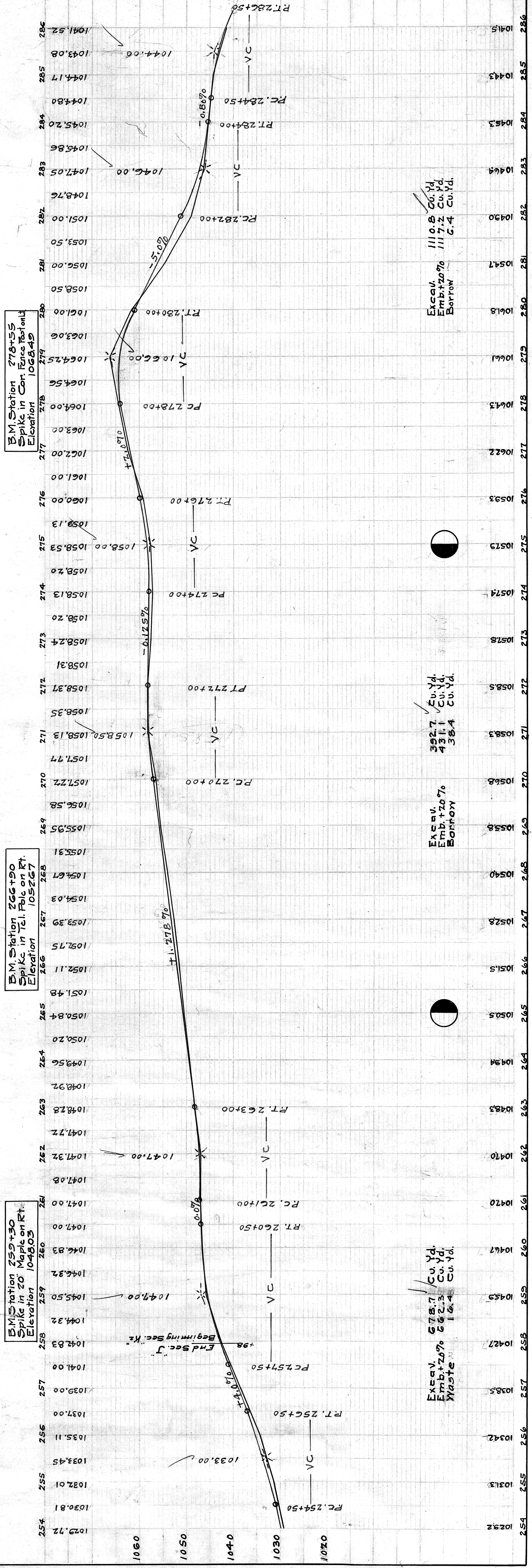
REQUIRED 691.1 Cu.Yd. +20% = 829.3 Cu.Yd.

Excav. Emb. +20% Waste 1802.7 Cu.Yd.
 1754.1 Cu.Yd.
 48.6 Cu.Yd. to be placed in drive at Sta. 210+60

Excav. Emb. +20% Req. at Rd 179 Barron 2120.5 Cu.Yd.
 1481.8 Cu.Yd.
 829.3 Cu.Yd.
 190.6 Cu.Yd.



* Entire sheet superseded by
 MED-3-(1564)(17-16-1728)
 1962



B.M. Station 259+30
 Spikes in 20' Maple on Rt.
 Elevation 1048.03

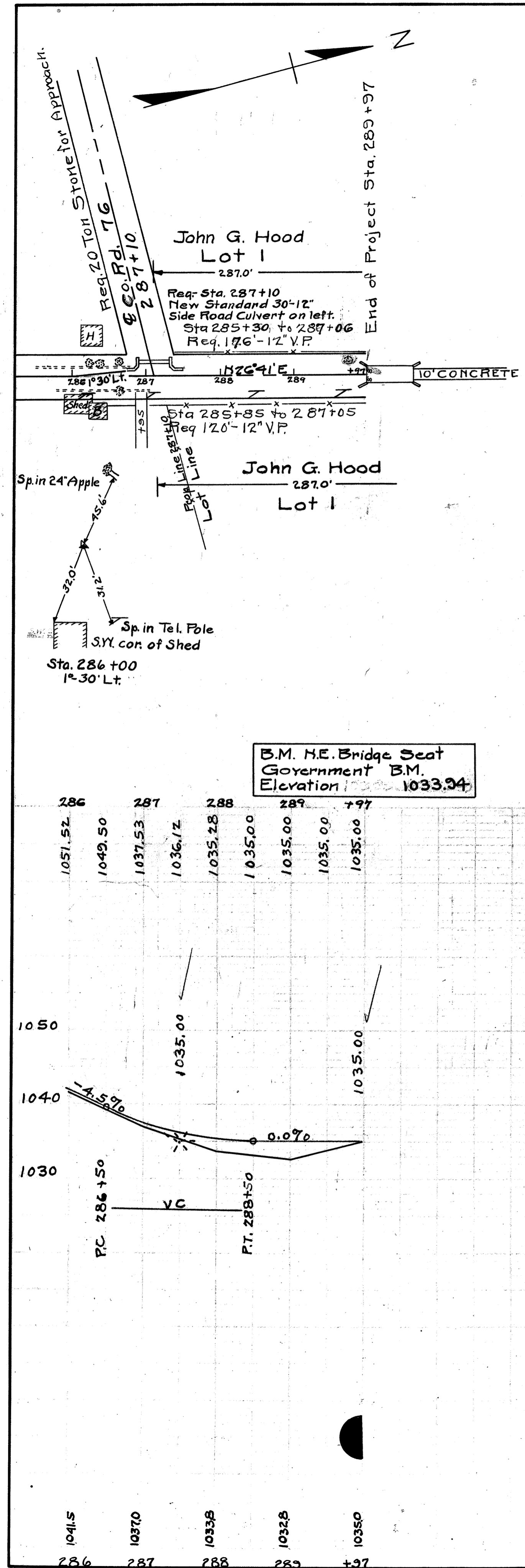
B.M. Station 278+55
 Spikes in Cor. Fence Post on Rt.
 Elevation 1068.49

Excav. 678.7 Cu. Yd.
 Emb. +20% 662.3 Cu. Yd.
 Waste 16.4 Cu. Yd.

Excav. 392.7 Cu. Yd.
 Emb. +20% 431.1 Cu. Yd.
 Borrow 38.4 Cu. Yd.

Excav. 110.8 Cu. Yd.
 Emb. +20% 111.7 Cu. Yd.
 Borrow 6.4 Cu. Yd.

254 1029.72
 255 1030.81
 256 1033.45
 257 1037.00
 258 1039.00
 259 1044.32
 260 1046.83
 261 1047.00
 262 1047.08
 263 1047.32
 264 1047.72
 265 1048.28
 266 1048.92
 267 1049.56
 268 1050.20
 269 1050.84
 270 1051.48
 271 1052.11
 272 1052.75
 273 1053.39
 274 1054.03
 275 1054.67
 276 1055.31
 277 1055.95
 278 1056.58
 279 1057.22
 280 1057.77
 281 1058.13
 282 1058.50
 283 1058.85
 284 1059.37
 285 1059.83
 286 1060.00
 287 1061.00
 288 1062.00
 289 1063.00
 290 1064.25
 291 1064.56
 292 1064.76
 293 1064.86
 294 1065.20
 295 1064.17
 296 1043.08
 297 1041.52



John G. Hood Lot 1
287.0'
Req. Sta. 287+10
New Standard 30'-12" Side Road Culvert on left.
Sta 285+30 to 287+06
Req. 17.6'-12" V.P.

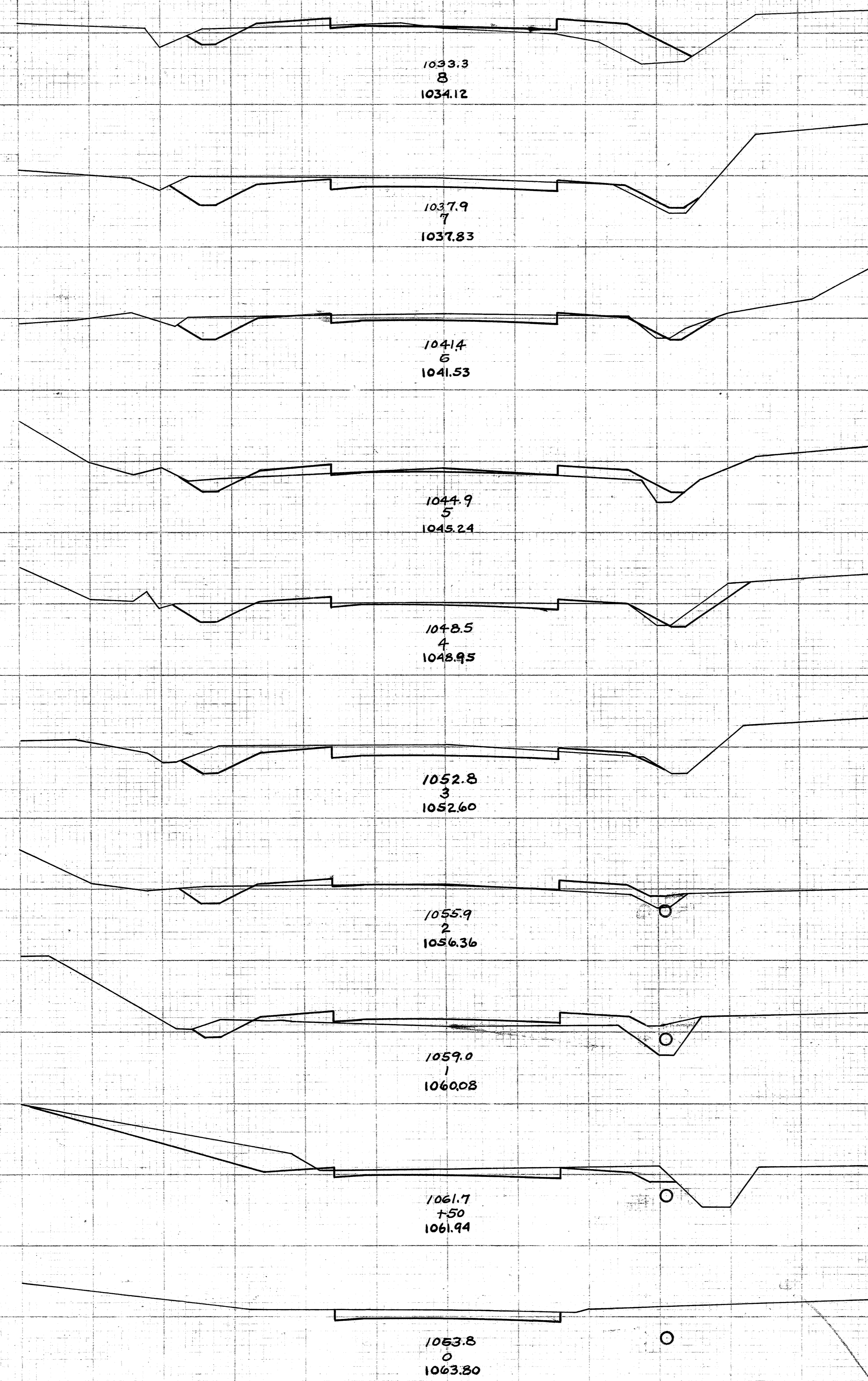
John G. Hood Lot 1
257.0'
Sta. 286+00
1" 30' Lt.

B.M. N.E. Bridge Seat
Government B.M.
Elevation 1033.94

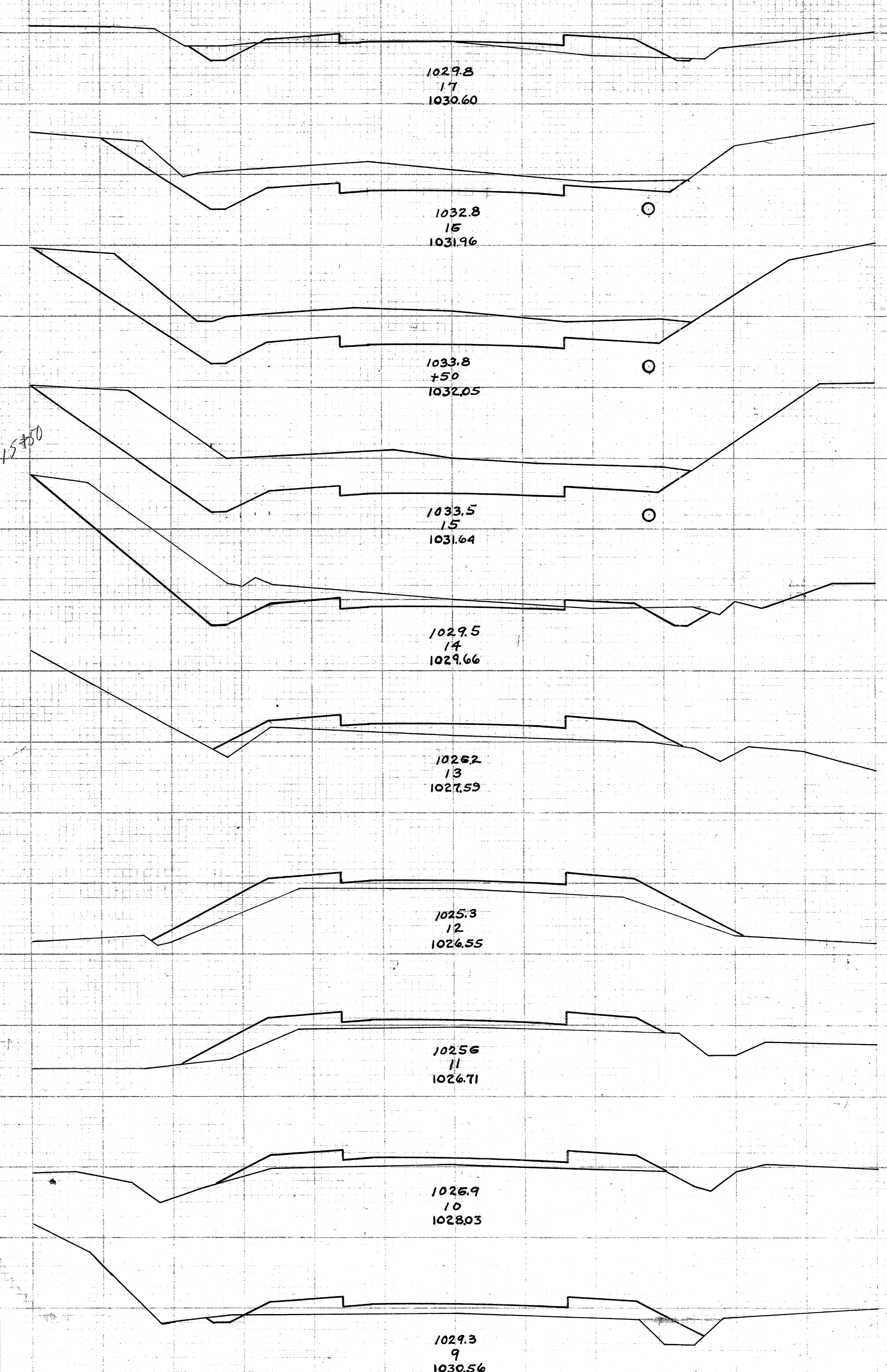
6° Curve at 69+75.6

Left	Right
Elev. of Pav. Y/Width Station	Elev. of Pav. Y/Width Station
941.45 8.00 66+291	941.57 8.00 67+291
940.84 8.00 66+541	940.89 8.45 68+291
940.23 8.00 66+791	939.85 9.30 69+291
939.63 8.00 67+041	938.82 10.07 70+291
939.01 8.00 67+291	938.14 10.40 71+291
938.29 8.00 67+50	937.42 10.40 72+291
937.47 8.00 67+75	936.60 10.40 73+291
936.73 8.00 68+00	935.86 10.40 74+291
936.04 8.00 68+25	935.17 10.40 75+291
935.48 8.00 68+50	934.61 10.40 76+291
934.96 8.00 68+75	934.09 10.40 77+291
934.52 8.00 69+00	933.65 10.40 78+291
934.16 8.00 69+25	933.29 10.40 79+291
933.87 8.00 69+50	933.00 10.40 80+291
933.62 8.00 69+75	932.75 10.40 81+291
933.37 8.00 70+00	932.50 10.40 82+291
933.12 8.00 70+25	932.25 10.40 83+291
932.87 8.00 70+50	932.00 10.40 84+291
932.64 8.00 70+75	931.87 10.40 85+291
932.43 8.00 71+00	931.76 10.40 86+291
932.23 8.00 71+25	931.68 10.40 87+291
932.04 8.00 71+50	931.65 10.40 88+291
931.86 8.00 71+75	931.68 10.40 89+291
931.71 8.00 72+00	931.76 10.40 90+291
931.57 8.00 72+25	931.88 10.40 91+291
931.44 8.00 72+50	932.06 10.40 92+291
931.32 8.00 72+75	932.29 10.40 93+291
931.21 8.00 73+00	932.57 10.40 94+291
931.11 8.00 73+25	932.90 10.40 95+291
931.01 8.00 73+50	933.27 10.40 96+291
930.92 8.00 73+75	933.68 10.40 97+291
930.84 8.00 74+00	934.13 10.40 98+291
930.77 8.00 74+25	934.62 10.40 99+291
930.71 8.00 74+50	935.14 10.40 100+291
930.66 8.00 74+75	935.69 10.40 101+291
930.61 8.00 75+00	936.27 10.40 102+291
930.57 8.00 75+25	936.88 10.40 103+291
930.54 8.00 75+50	937.51 10.40 104+291
930.52 8.00 75+75	938.17 10.40 105+291
930.51 8.00 76+00	938.86 10.40 106+291
930.51 8.00 76+25	939.58 10.40 107+291
930.52 8.00 76+50	940.33 10.40 108+291
930.54 8.00 76+75	941.10 10.40 109+291
930.57 8.00 77+00	941.90 10.40 110+291
930.62 8.00 77+25	942.72 10.40 111+291
930.68 8.00 77+50	943.57 10.40 112+291
930.75 8.00 77+75	944.44 10.40 113+291
930.84 8.00 78+00	945.33 10.40 114+291
930.94 8.00 78+25	946.24 10.40 115+291
931.05 8.00 78+50	947.17 10.40 116+291
931.17 8.00 78+75	948.12 10.40 117+291
931.30 8.00 79+00	949.09 10.40 118+291
931.44 8.00 79+25	949.98 10.40 119+291
931.59 8.00 79+50	950.90 10.40 120+291
931.75 8.00 79+75	951.84 10.40 121+291
931.92 8.00 80+00	952.80 10.40 122+291
932.10 8.00 80+25	953.78 10.40 123+291
932.29 8.00 80+50	954.78 10.40 124+291
932.49 8.00 80+75	955.80 10.40 125+291
932.70 8.00 81+00	956.84 10.40 126+291
932.92 8.00 81+25	957.90 10.40 127+291
933.15 8.00 81+50	958.98 10.40 128+291
933.39 8.00 81+75	960.08 10.40 129+291
933.64 8.00 82+00	961.20 10.40 130+291
933.91 8.00 82+25	962.34 10.40 131+291
934.19 8.00 82+50	963.50 10.40 132+291
934.48 8.00 82+75	964.68 10.40 133+291
934.78 8.00 83+00	965.88 10.40 134+291
935.09 8.00 83+25	967.10 10.40 135+291
935.41 8.00 83+50	968.34 10.40 136+291
935.74 8.00 83+75	969.60 10.40 137+291
936.08 8.00 84+00	970.88 10.40 138+291
936.43 8.00 84+25	972.18 10.40 139+291
936.79 8.00 84+50	973.50 10.40 140+291
937.16 8.00 84+75	974.84 10.40 141+291
937.54 8.00 85+00	976.20 10.40 142+291
937.93 8.00 85+25	977.58 10.40 143+291
938.33 8.00 85+50	979.00 10.40 144+291
938.74 8.00 85+75	980.44 10.40 145+291
939.16 8.00 86+00	981.90 10.40 146+291
939.59 8.00 86+25	983.38 10.40 147+291
940.03 8.00 86+50	984.88 10.40 148+291
940.48 8.00 86+75	986.40 10.40 149+291
940.94 8.00 87+00	987.94 10.40 150+291
941.41 8.00 87+25	989.50 10.40 151+291
941.89 8.00 87+50	991.08 10.40 152+291
942.38 8.00 87+75	992.68 10.40 153+291
942.88 8.00 88+00	994.30 10.40 154+291
943.39 8.00 88+25	995.94 10.40 155+291
943.91 8.00 88+50	997.60 10.40 156+291
944.44 8.00 88+75	999.28 10.40 157+291
944.98 8.00 89+00	1000.98 10.40 158+291
945.53 8.00 89+25	1002.70 10.40 159+291
946.09 8.00 89+50	1004.44 10.40 160+291
946.66 8.00 89+75	1006.20 10.40 161+291
947.24 8.00 90+00	1007.98 10.40 162+291
947.83 8.00 90+25	1009.78 10.40 163+291
948.43 8.00 90+50	1011.60 10.40 164+291
949.04 8.00 90+75	1013.44 10.40 165+291
949.66 8.00 91+00	1015.30 10.40 166+291
950.29 8.00 91+25	1017.18 10.40 167+291
950.93 8.00 91+50	1019.08 10.40 168+291
951.58 8.00 91+75	1021.00 10.40 169+291
952.24 8.00 92+00	1022.94 10.40 170+291
952.91 8.00 92+25	1024.90 10.40 171+291
953.59 8.00 92+50	1026.88 10.40 172+291
954.28 8.00 92+75	1028.88 10.40 173+291
954.98 8.00 93+00	1030.90 10.40 174+291
955.69 8.00 93+25	1032.94 10.40 175+291
956.41 8.00 93+50	1035.00 10.40 176+291
957.14 8.00 93+75	1037.08 10.40 177+291
957.88 8.00 94+00	1039.18 10.40 178+291
958.63 8.00 94+25	1041.30 10.40 179+291
959.39 8.00 94+50	1043.44 10.40 180+291
960.16 8.00 94+75	1045.60 10.40 181+291
960.94 8.00 95+00	1047.78 10.40 182+291
961.73 8.00 95+25	1049.98 10.40 183+291
962.53 8.00 95+50	1052.20 10.40 184+291
963.34 8.00 95+75	1054.44 10.40 185+291
964.16 8.00 96+00	1056.70 10.40 186+291
964.99 8.00 96+25	1058.98 10.40 187+291
965.83 8.00 96+50	1061.28 10.40 188+291
966.68 8.00 96+75	1063.60 10.40 189+291
967.54 8.00 97+00	1065.94 10.40 190+291
968.41 8.00 97+25	1068.30 10.40 191+291
969.29 8.00 97+50	1070.68 10.40 192+291
970.18 8.00 97+75	1073.08 10.40 193+291
971.08 8.00 98+00	1075.50 10.40 194+291
972.00 8.00 98+25	1077.94 10.40 195+291
972.93 8.00 98+50	1080.40 10.40 196+291
973.87 8.00 98+75	1082.88 10.40 197+291
974.82 8.00 99+00	1085.38 10.40 198+291
975.79 8.00 99+25	1087.90 10.40 199+291
976.77 8.00 99+50	1090.44 10.40 200+291
977.76 8.00 99+75	1093.00 10.40 201+291
978.76 8.00 100+00	1095.58 10.40 202+291
979.77 8.00 100+25	1098.18 10.40 203+291
980.79 8.00 100+50	1100.80 10.40 204+291
981.82 8.00 100+75	1103.44 10.40 205+291
982.86 8.00 101+00	1106.10 10.40 206+291
983.91 8.00 101+25	1108.78 10.40 207+291
984.97 8.00 101+50	1111.48 10.40 208+291
986.04 8.00 101+75	1114.20 10.40 209+291
987.12 8.00 102+00	1116.94 10.40 210+291
988.21 8.00 102+25	1119.70 10.40 211+291
989.31 8.00 102+50	1122.48 10.40 212+291
990.42 8.00 102+75	1125.28 10.40 213+291
991.54 8.00 103+00	1128.10 10.40 214+291
992.67 8.00 103+25	1130.94 10.40 215+291
993.81 8.00 103+50	1133.80 10.40 216+291
994.96 8.00 103+75	1136.68 10.40 217+291
996.12 8.00 104+00	1139.58 10.40 218+291
997.29 8.00 104+25	1142.50 10.40 219+291
998.47 8.00 104+50	1145.44 10.40 220+291
999.66 8.00 104+75	1148.40 10.40 221+291
1000.86 8.00 105+00	1151.38 10.40 222+291
1002.07 8.00 105+25	1154.38 10.40 223+291
1003.29 8.00 105+50	1157.40 10.40 224+291
1004.52 8.00 105+75	1160.44 10.40 225+291
1005.76 8.00 106+00	1163.50 10.40 226+291
1007.01 8.00 106+25	1166.58 10.40 227+291
1008.27 8.00 106+50	1169.68 10.40 228+291
1009.54 8.00 106+75	1172.80 10.40 229+291
1010.82 8.00 107+00	1175.94 10.40 230+291
1012.11 8.00 107+25	1179.10 10.40 231+291
1013.41 8.00 107+50	1182.28 10.40 232+291
1014.72 8.00 107+75	1185.48 10.40 233+291
1016.04 8.00 108+00	1188.70 10.40 234+291
1017.37 8.00 108+25	1191.94 10.40 235+291
1018.71 8.00 108+50	1195.20 10.40 236+291
1020.06 8.00 108+75	1198.48 10.40 237+291
1021.42 8.00 109+00	1201.78 10.40 238+291
1022.79 8.00 109+25	1205.10 10.40 239+291
1024.17 8.00 109+50	1208.44 10.40 240+291
1025.56 8.00 109+75	1211.80 10.40 241+291
1026.96 8.00 110+00	1215.18 10.40 242+291
1028.37 8.00 110+25	1218.58 10.40 243+291
1029.79 8.00 110+50	1222.00 10.40 244+291
1031.22 8.00 110+75	1225.44 10.40 245+291
1032.66 8.00 111+00	1228.90 10.40 246+291
1034.11 8.00 111+25	1232.38 10.40 247+291
1035.57 8.00 111+50	1235.88 10.40 248+291
1037.04 8.00 111+75	1239.40 10.40 249+291
1038.52 8.00 112+00	1242.94 10.40 250+291
1040.01 8.00 112+25	1246.50 10.40 251+291
1041.51 8.00 112+50	1250.08 10.40 252+291
1043.02 8.00 112+75	1253.68 10.40 253+291
1044.54 8.00 113+00	1257.30 10.40 254+291
1046.07 8.00 113+25	1260.94 10.40 255+291
1047.61 8.00 113+50	1264.60 10.40 256+291
1049.16 8.00 113+75	1268.28 10.40 257+291
1050.72 8.00 114+00	1271.98 10.40 258+291
1052.29 8.00 114+25	1275.70 10.40 259+291
1053.87 8.00 114+50	1279.44 10.40 260+291
1055.46 8.00 114+75	1283.20 10.40 261+291
1057.06 8.00 115+00	1286.98 10.40 262+291
1058.67 8.00 115+25	1290.78 10.40 263+291
1060.29 8.00 115+50	1294.60 10.40 264+291
1061.92 8.00 115+75	1298.44 10.40 265+291
1063.56 8.00 116+00	1302.30 10.40 266+291
1065.21 8.00 116+25	1306.18 10.40 267+291
1066.87 8.00 116+50	1310.08 10.40 268+291
1068.54 8.00 116+75	1314.00 10.40 269+291
1070.22 8.00 117+00	1317.94 10.40 270+291
1071.91 8.00 117+25	1321.90 10.40 271+291
1073.61 8.00 117+50	1325.88 10.40 272+291
1075.32 8.00 117+75	1329.88 10.40 273+291
1077.04 8.00 118+00	1333.90 10.40 274+291
1078.77 8.00 118+25	1337.94 10.40 275+291
1080.51 8.00 118+50	1342.00 10.40 276+291
1082.26 8.00 118+75	1346.08 10.40 277+291
1084.02 8.00 119+00	1350.18 10.40 278+291
1085.79 8.00 119+25	1354.30 10.40 279+291
1087.57 8.00 119+50	1358.44 10.40 280+291
1089.36 8.00 119+75	1362.60 10.40 281+291
1091.16 8.00 120+00	1366.78 10.40 282+291
1092.97 8.00 120+25	1370.98 10.40 283+291
1094.79 8.00 120+50	1375.20 10.40 284+291
1096.62 8.00 120+75	1379.44 10.40 285+291
1098.46 8.00 121+00	1383.70 10.40 286+291
1100.31 8.00 121+25	1387.98 10.40 287+291
1102.17 8.00 121+50	

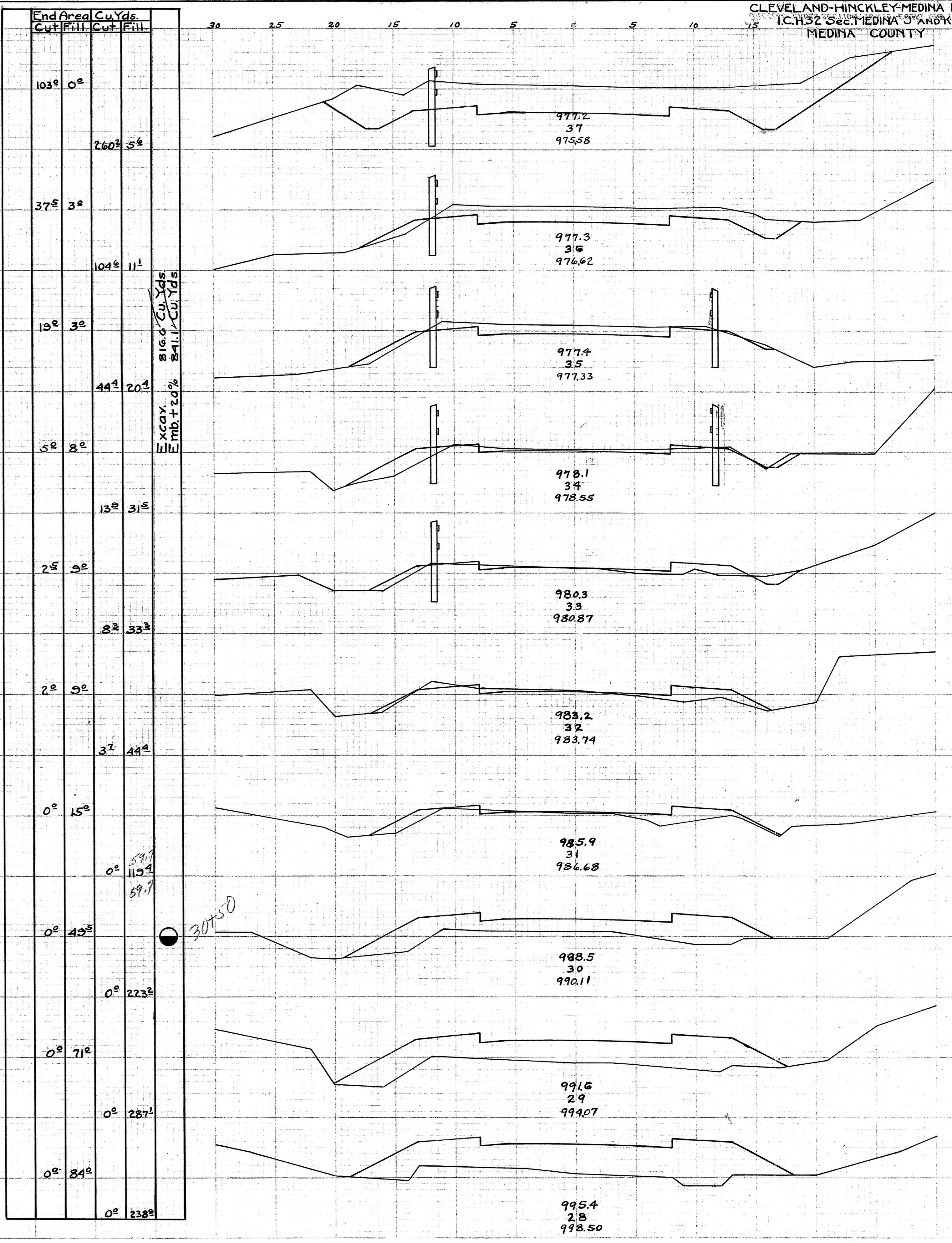
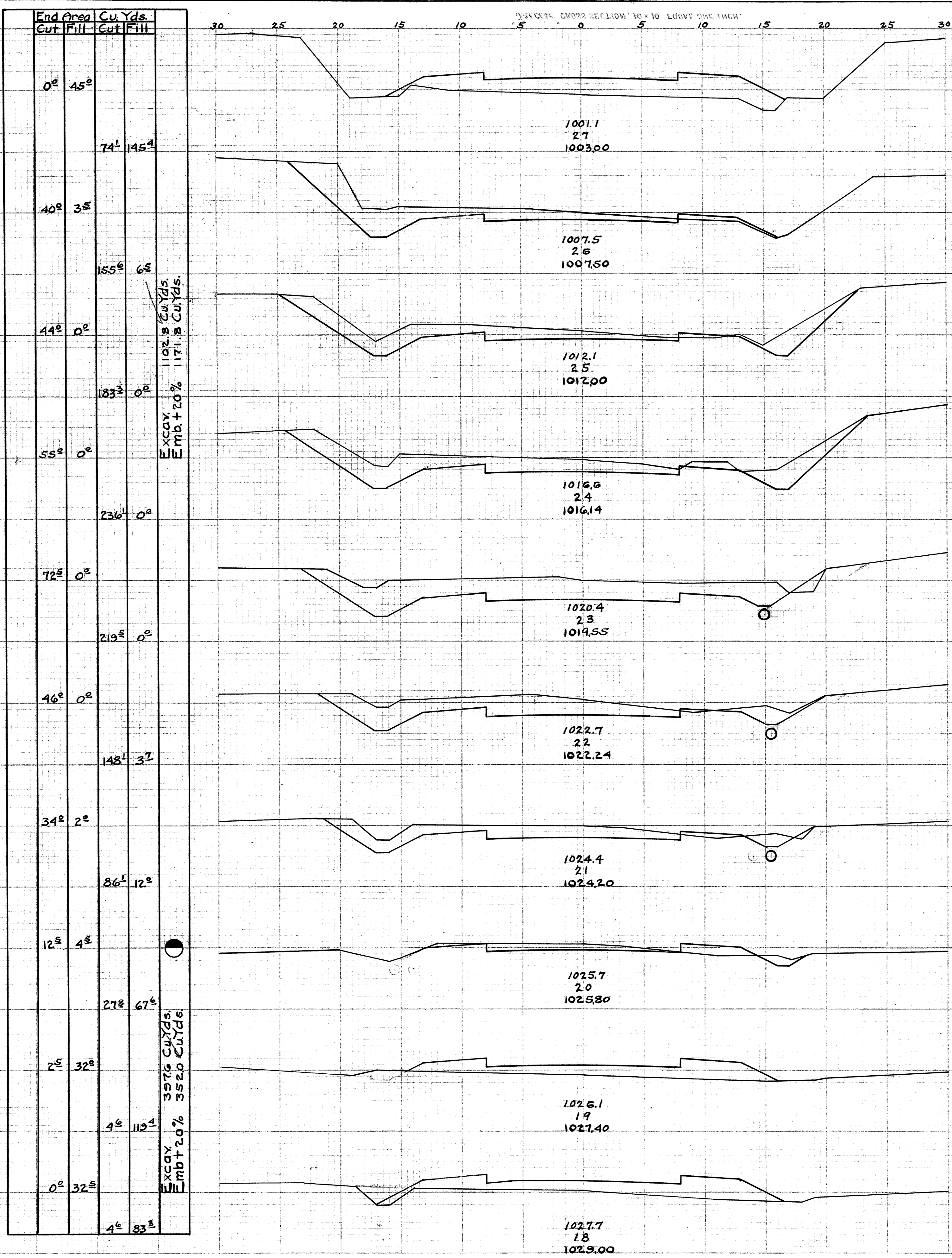
End Area	Cu. Yds.	Cut	Fill
4° 19°			
44° 37°			
20° 12°			
63° 31°			
14° 12°			
31° 18°			
3° 9°			
27° 25°			
12° 45°			
57° 10°			
19° 12°			
42° 14°			
4° 7°			
12° 5°			
2° 20°			
23° 18°			
28° 0°			
35° 0°			
10° 0°			



End Area	Cu. Yds.	Cut	Fill
2° 12°			
111° 23°			
57° 0°			
145° 0°			
100° 0°			
207° 0°			
124° 0°			
342° 4°			
61° 2°			
113° 60°			
0° 30°			
0° 125°			
0° 37°			
0° 120°			
0° 27°			
0° 92°			
0° 22°			
1° 31°			
93° 22°			

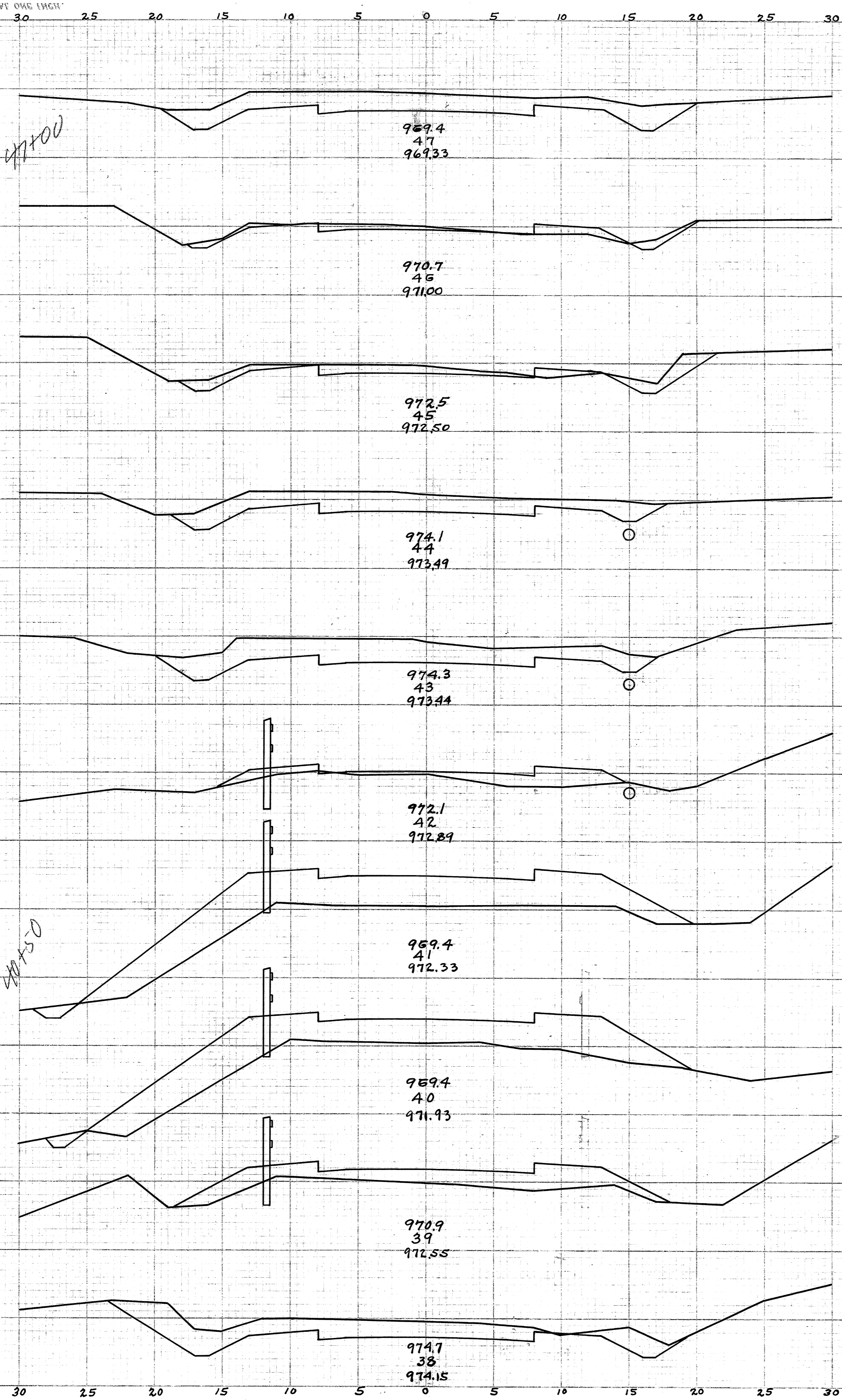


Excav
Emb. +20%
912.6 Cu. Yds.
872.6 Cu. Yds.



End Area Cut/Fill	Cu. Yds. Cut/Fill
46 ² 0 ²	
38 ¹ 7 ⁴	
7 ² 4 ²	
40 ¹ 12 ²	
15 ² 2 ²	
131 ² 4 ²	
56 ² 0 ²	
207 ² 0 ²	
56 ² 0 ²	
105 ² 37 ²	
1 ² 20 ²	
1 ² 225 ²	
0 ² 102 ²	
0 ² 350 ²	
0 ² 87 ²	
0 ² 240 ²	
0 ² 42 ²	
35 ¹ 78 ¹	
51 ² 0 ²	
236 ¹ 0 ²	

Excav. Emb. + 2.0 %
585.2 CU. Yds.
554.8 CU. Yds.



969.4
47
969.33

970.7
46
971.00

972.5
45
972.50

974.1
44
973.49

974.3
43
973.44

972.1
42
972.89

969.4
41
972.33

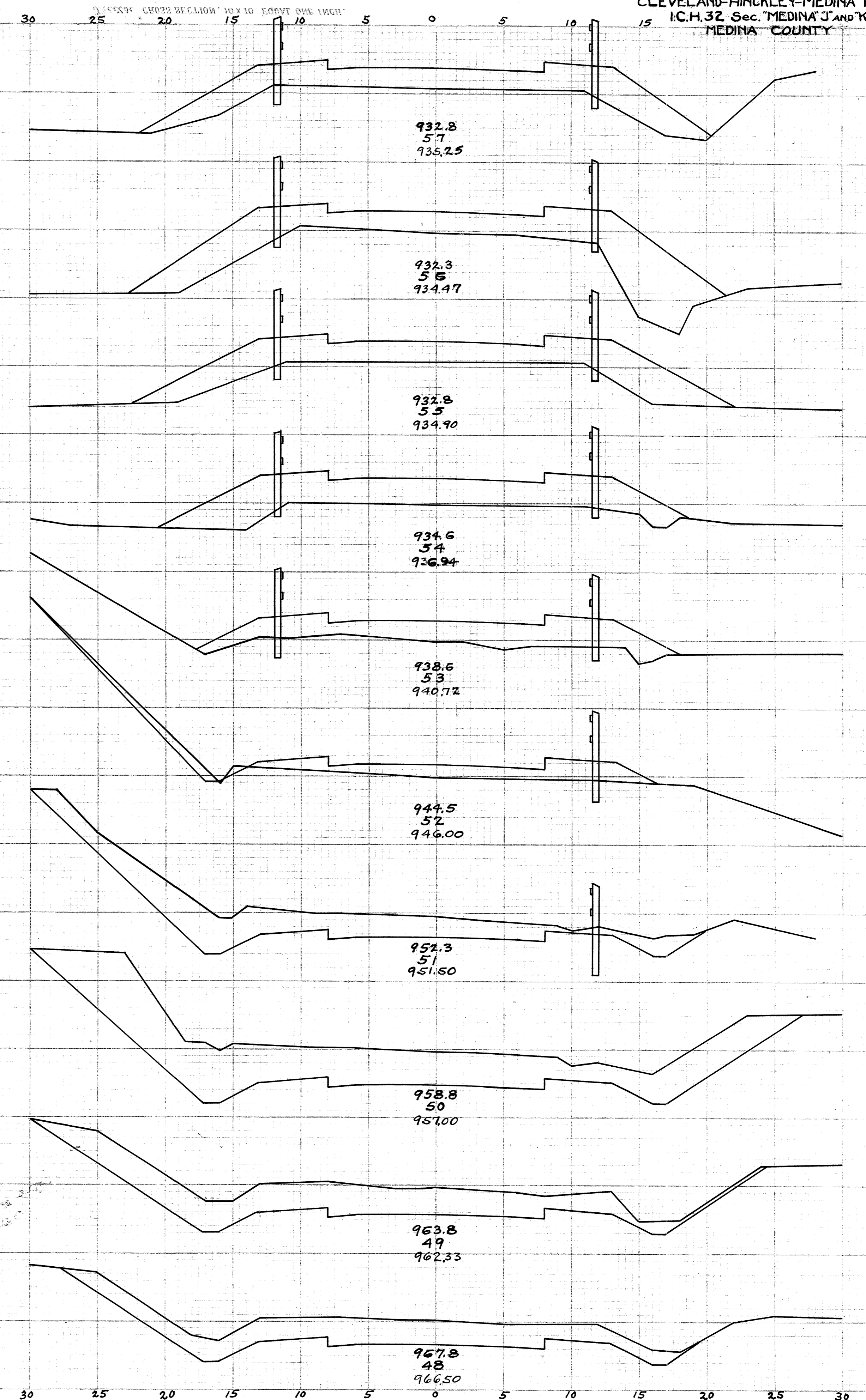
969.4
40
971.93

970.9
39
972.55

974.7
38
974.15

End Area Cut/Fill	Cu. Yds. Cut/Fill
0 ² 70 ²	
0 ² 319 ²	
0 ² 102 ²	
0 ² 334 ²	
0 ² 78 ²	
0 ² 292 ²	
0 ² 80 ²	
0 ² 245 ²	
0 ² 52 ²	
46 ³ 130 ⁶	
75 ² 18 ²	
187 ¹ 33 ²	
76 ² 0 ²	
411 ¹ 0 ²	
146 ² 0 ²	
429 ² 0 ²	
86 ² 0 ²	
288 ² 0 ²	
70 ² 0 ²	
214 ² 0 ²	

Excav. Emb. + 2.0 %
1733.8 CU. Yds.
1804.7 CU. Yds.



932.8
57
935.25

932.3
56
934.47

932.8
55
934.90

934.6
54
936.94

938.6
53
940.72

944.5
52
946.00

952.3
51
951.50

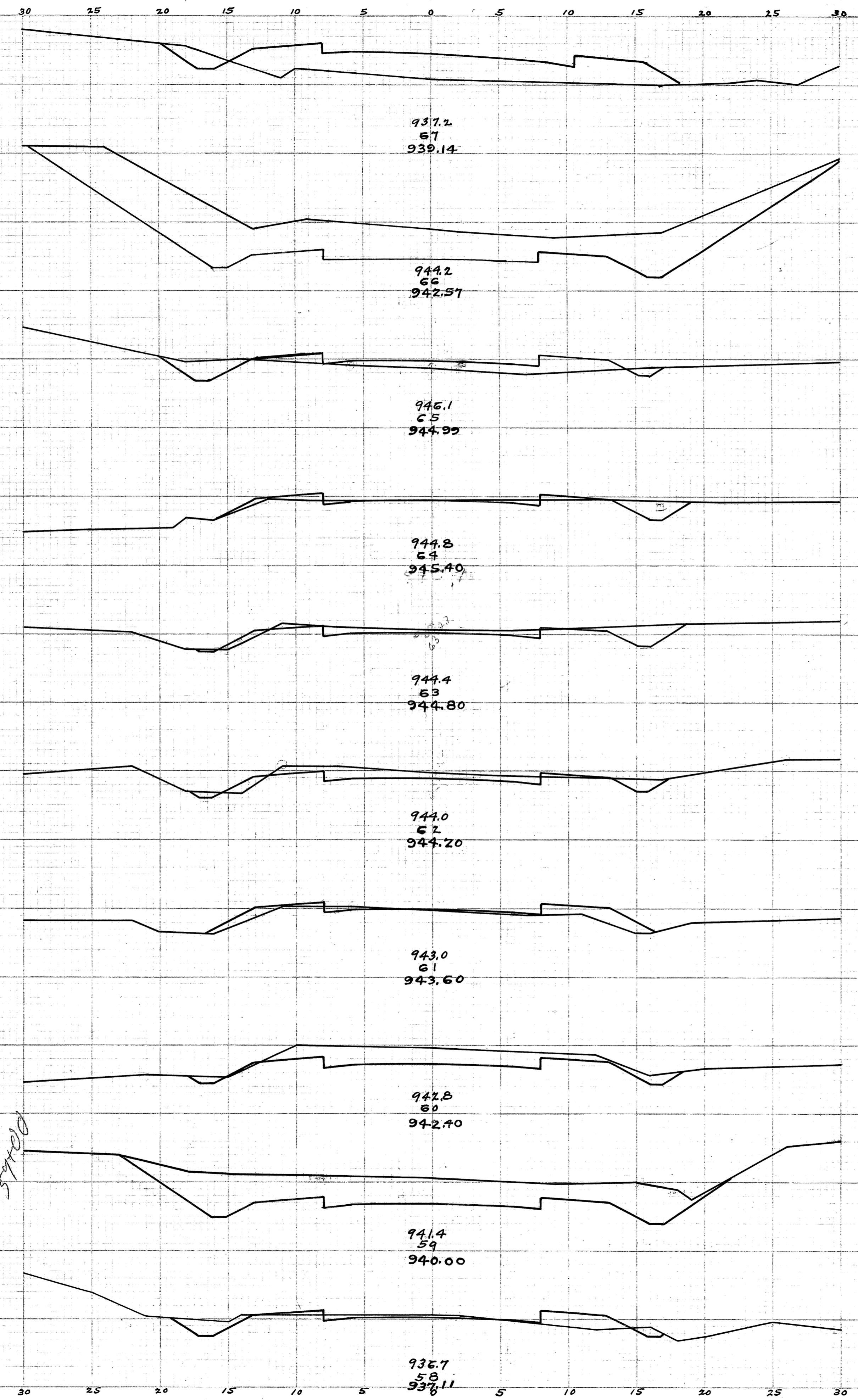
958.8
50
957.00

963.8
49
962.33

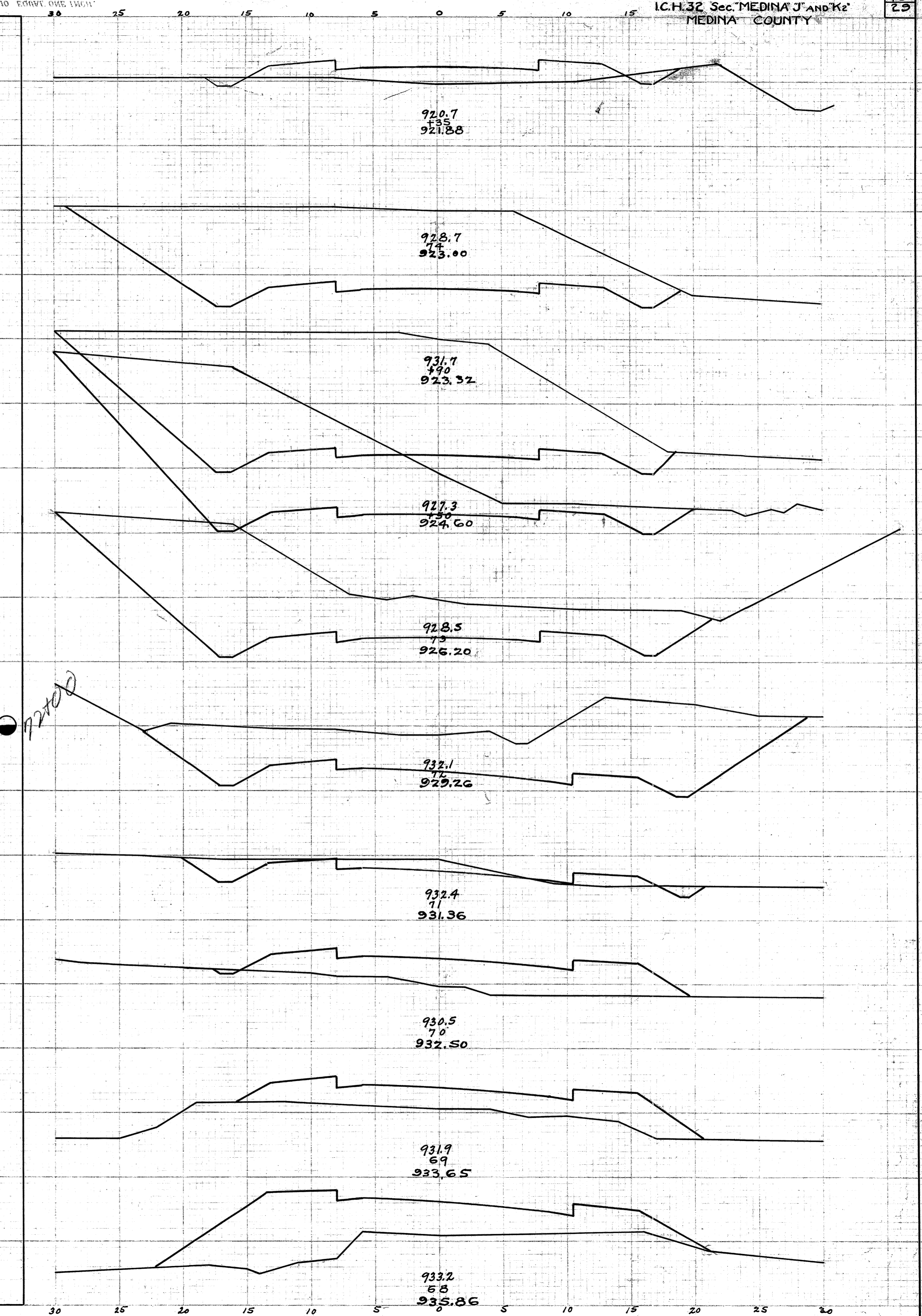
967.8
48
966.50

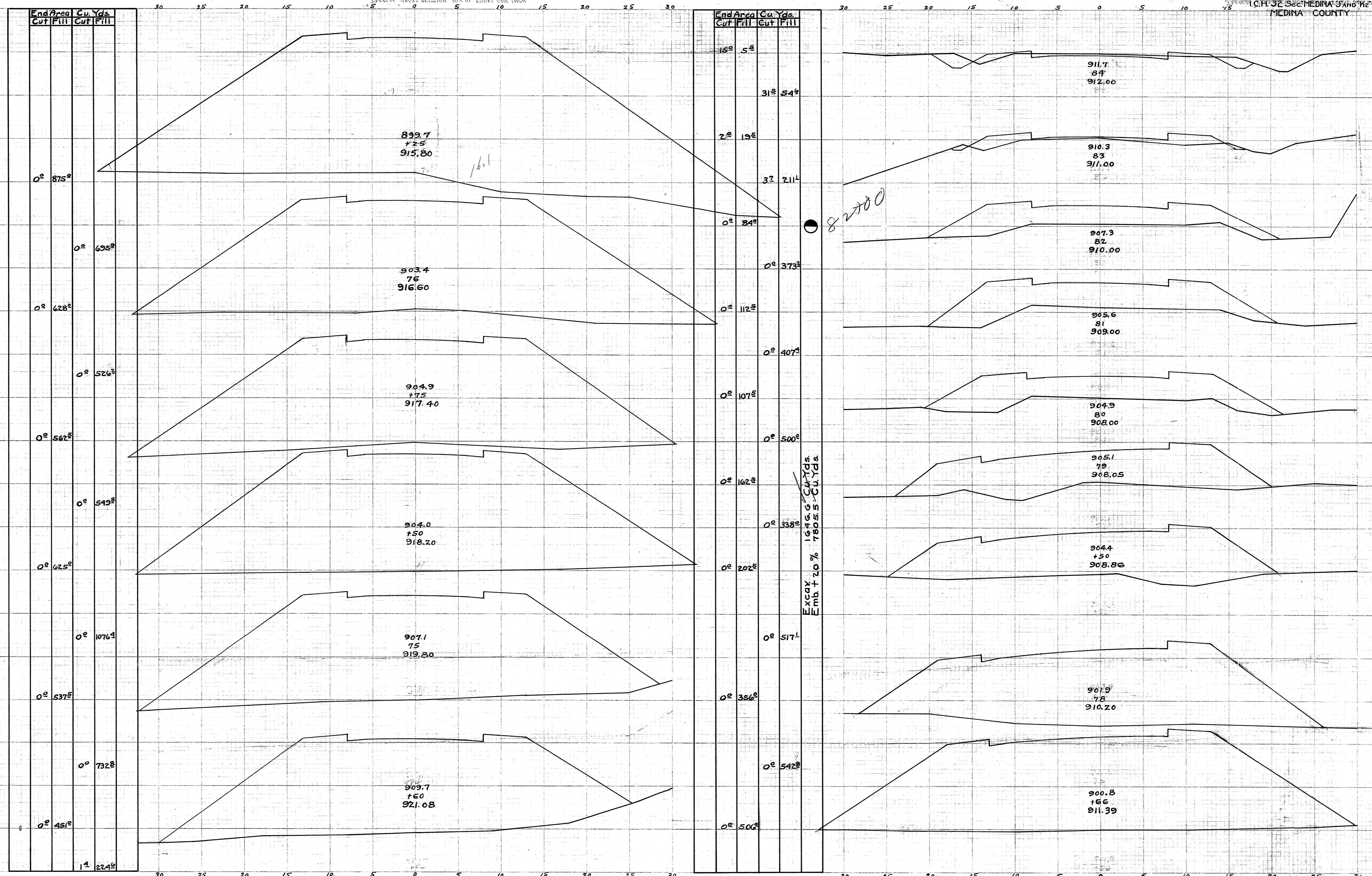
End Area	Cu. Yds.
Cut	Fill
2 5/8	52 5/8
25 1/2	97 1/2
134 0	0
256 3/8	31 5/8
4 5/8	17 5/8
21 3/8	37 5/8
7 5/8	3 5/8
35 5/8	8 3/8
12 5/8	1 5/8
44 1/2	6 5/8
12 5/8	2 5/8
24 1/2	23 1/2
1 5/8	10 5/8
52 5/8	19 1/2
27 5/8	0
137 1/2	0
79 5/8	0
161 1/2	9 3/8
8 5/8	5 5/8
14 5/8	138 5/8

Excav. + 20%
 1314.0 Cu. Yds.
 1373.2 Cu. Yds.



End Area	Cu. Yds.
Cut	Fill
3 5/8	31 5/8
154 5/8	20 5/8
235 5/8	0
105 5/8	0
335 5/8	0
426 5/8	0
240 5/8	0
227 5/8	0
206 5/8	0
731 5/8	0
189 5/8	0
386 1/2	9 3/8
195 5/8	5 5/8
38 5/8	131 5/8
1 5/8	66 5/8
1 5/8	235 5/8
0	61 5/8
0	230 5/8
0	117 5/8
4 5/8	314 5/8





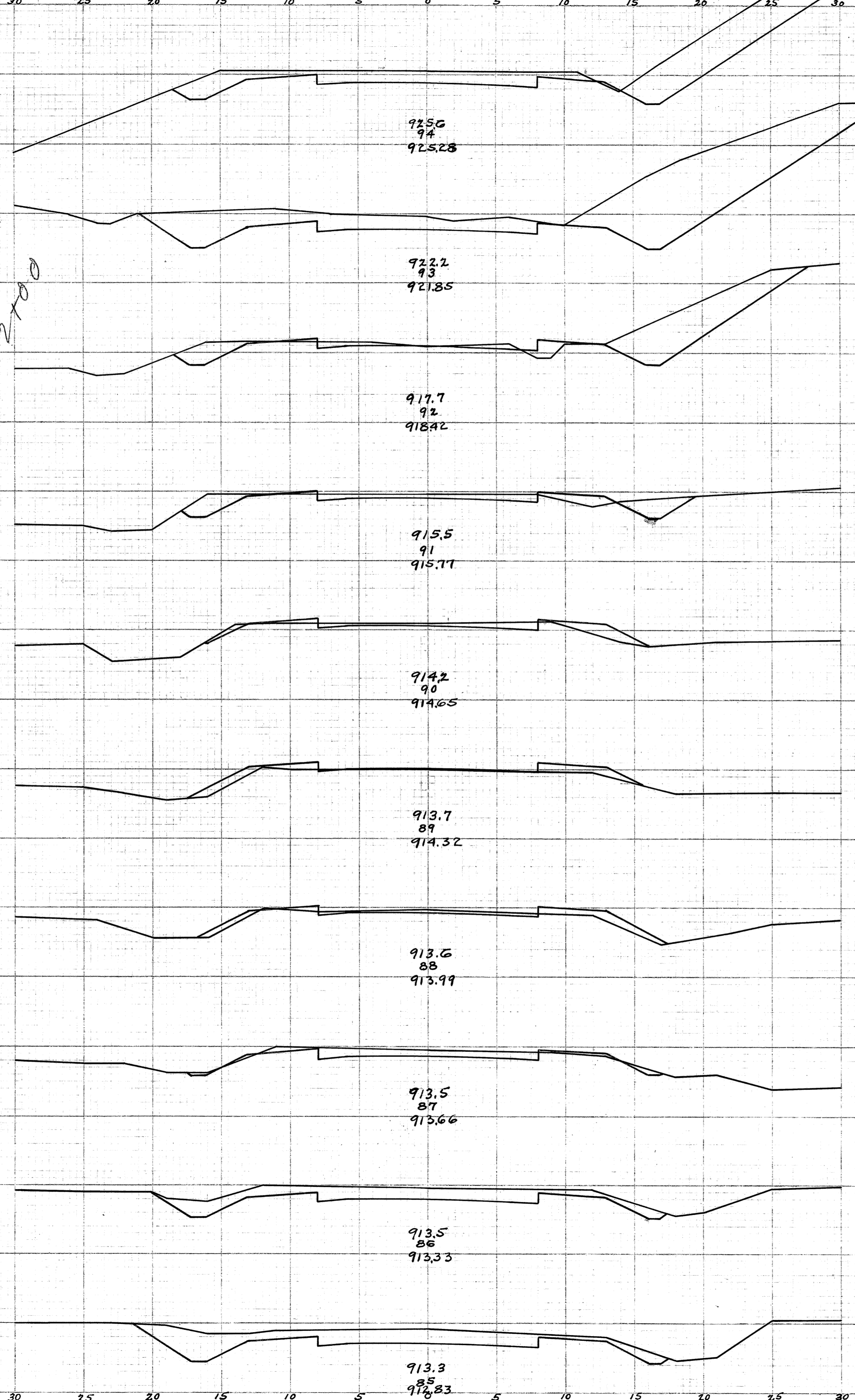
SECTION 10x10 EIGHT ONE INCH

SECTION 10x10 EIGHT ONE INCH

End Area		Cu. Yds.	
Cut	Fill	Cut	Fill
75°	0°	348 ²	0°
113°	0°	281 ²	4 ²
39°	2 ²	103 ²	10 ²
17°	3°	42 ²	13 ²
6°	4 ²	11 ²	25 ²
0°	9 ²	5 ²	36 ²
3°	10 ²	24 ²	18 ²
10°	0°	74 ²	0°
30°	0°	12.5°	0°
37 ²	0°	97 ²	10 ²

Excav. 518.6 Cu. Yds.
 Emb. + 20% 456.6 Cu. Yds.

92700

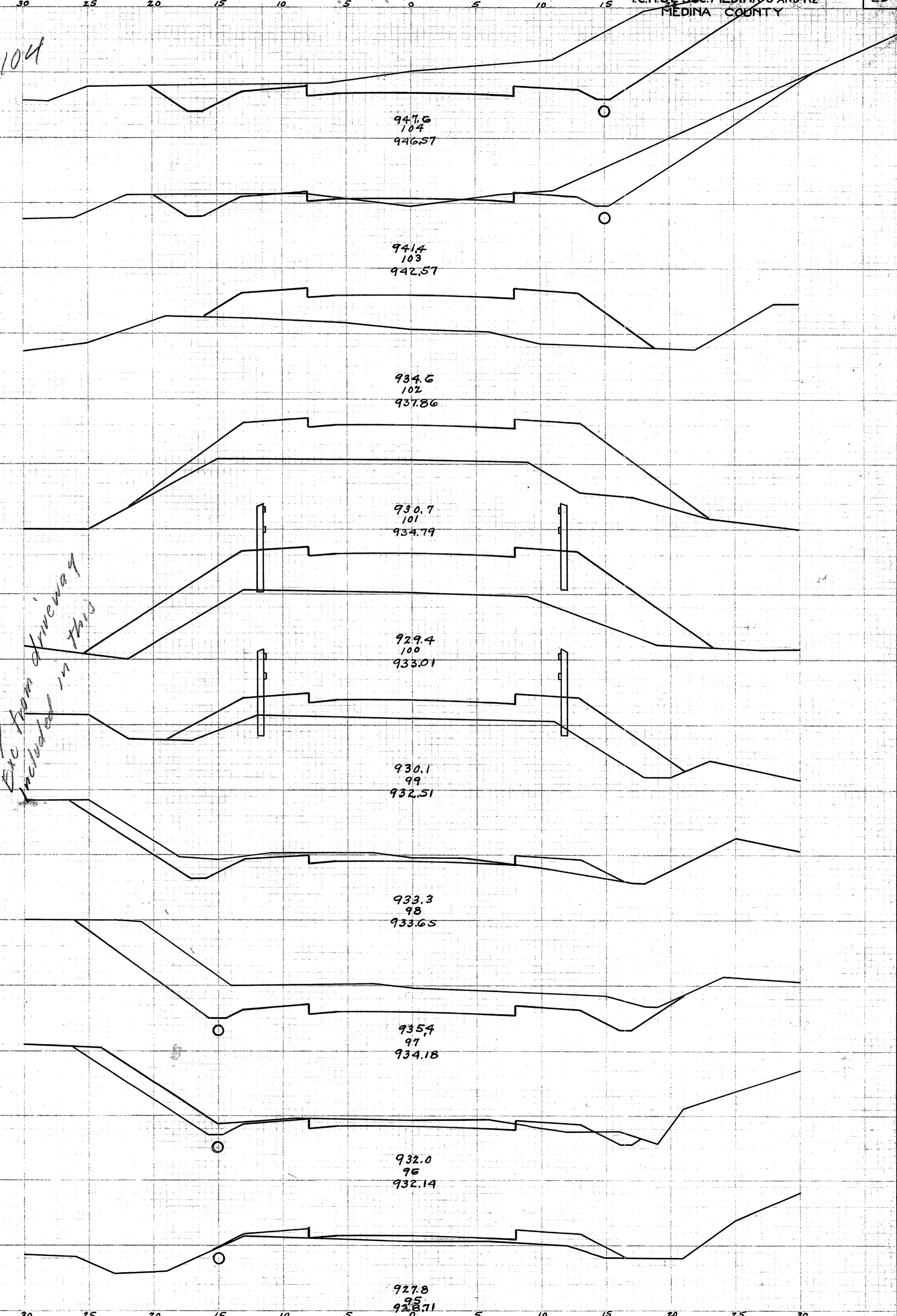


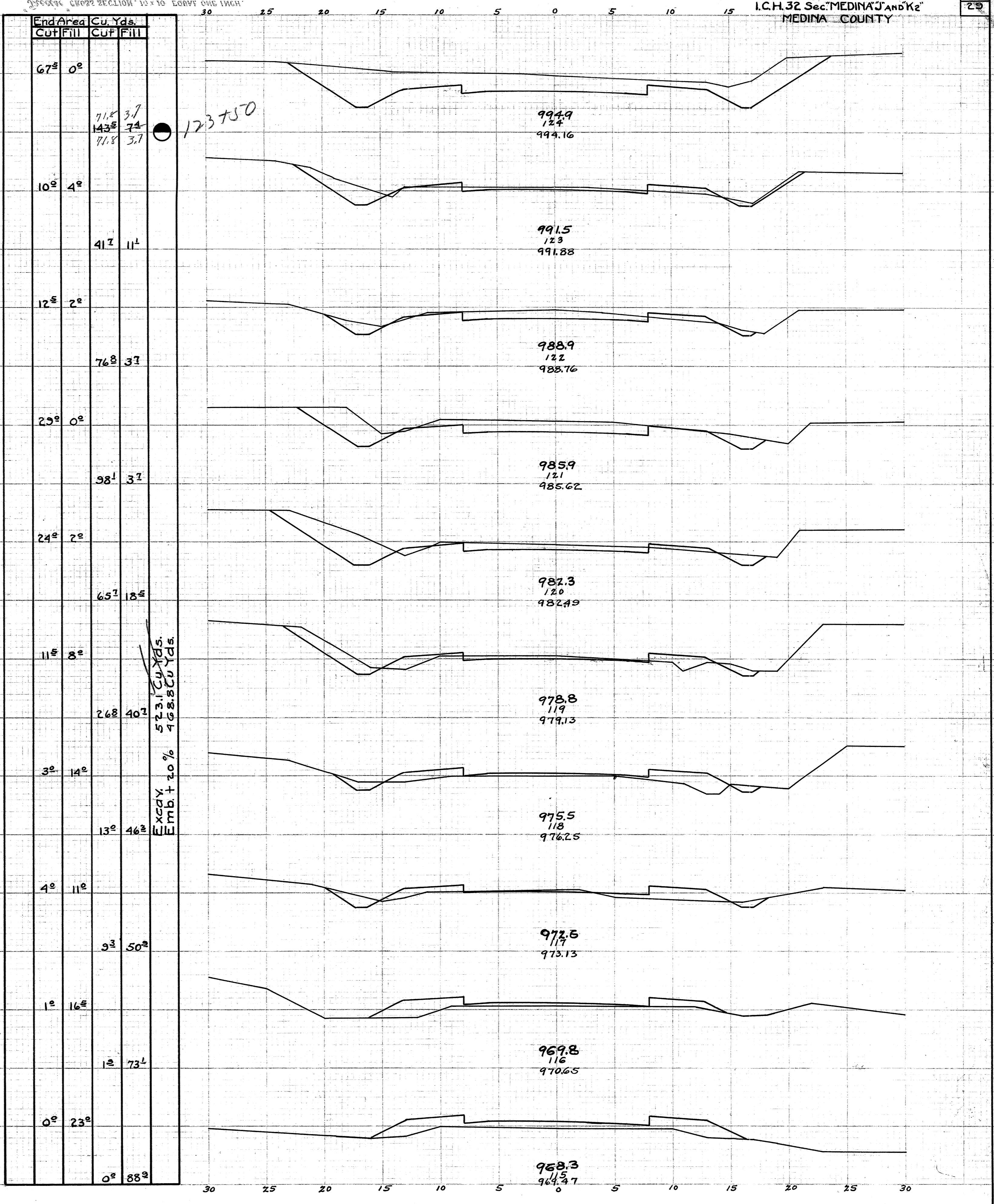
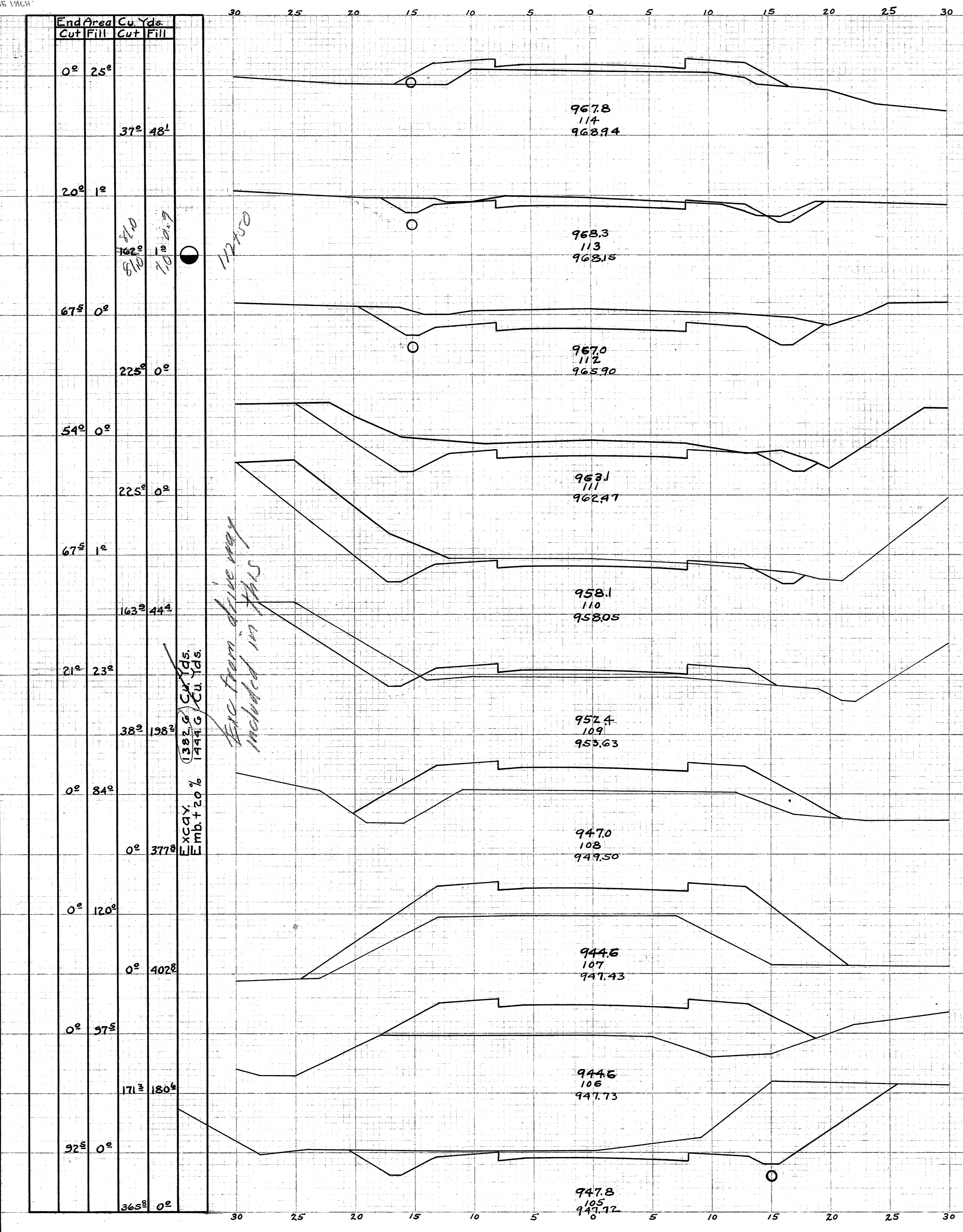
End Area		Cu. Yds.	
Cut	Fill	Cut	Fill
105°	0°	333 ²	0°
75°	0°	138 ²	161 ²
0°	87°	0°	374 ²
0°	115°	0°	483 ²
0°	146°	0°	400 ²
0°	70°	48 ²	143 ²
26°	7 ²	222 ²	13 ²
34°	0°	224 ²	4 ²
27°	2 ²	50 ²	34 ²
0°	16°	138 ²	29 ²

Excav. 198.2 Cu. Yds.
 Emb. + 20% 158.5 Cu. Yds.

Exc. from driveway indicated in this

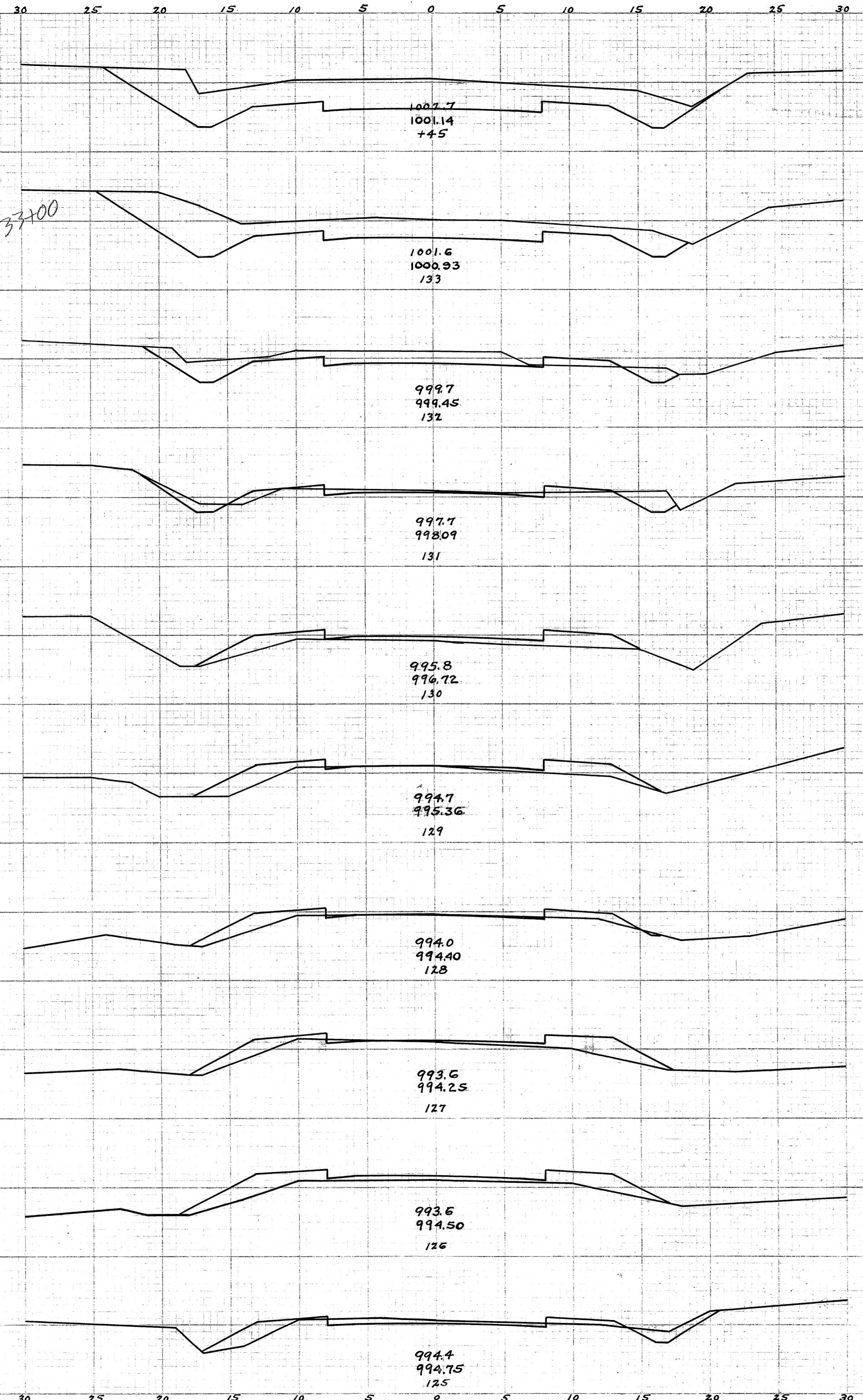
104





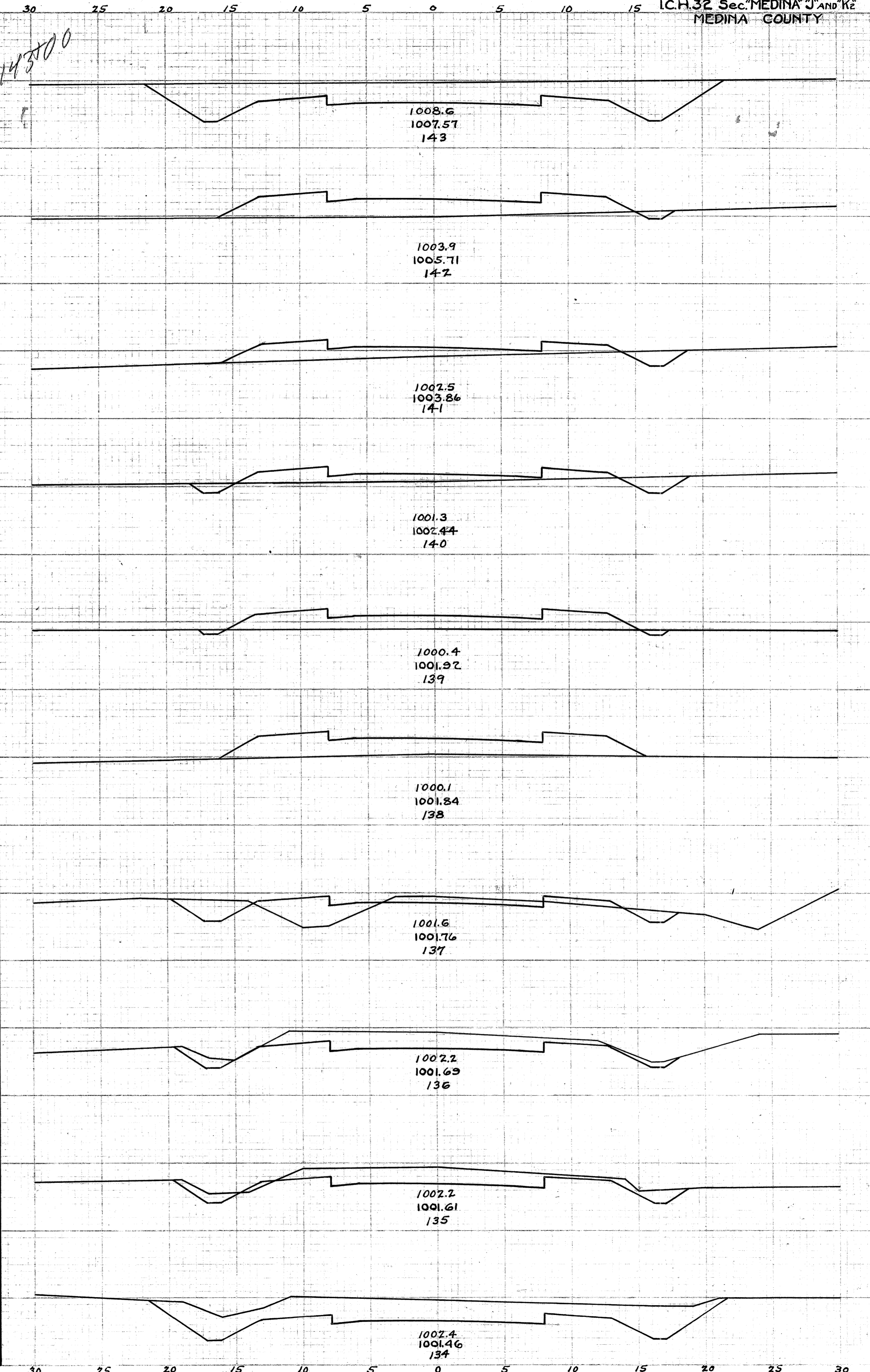
End Area Cut/Fill	Cu. Yds. Cut/Fill
80 ^e 0 ^e	
116 ⁷ 0 ^e	
60 ^e 0 ^e	
157 ⁴ 3 ^e	
25 ^e 2 ^e	
63 ^e 10 ^e	
9 ^e 3 ^e	
17 ^e 36 ^l	
0 ^e 16 ^e	
0 ^e 59 ³	
0 ^e 16 ^e	
0 ^e 47 ²	
0 ^e 9 ^e	
0 ^e 49 ^l	
0 ^e 17 ^e	
0 ^e 71 ²	
0 ^e 21 ^e	
7 ^e 54 ^e	
4 ^e 8 ^e	
132 ¹ 15 ^l	

Excav. Lmb. + 20%
 4504 Cu. Yds.
 4204 Cu. Yds.



End Area Cut/Fill	Cu. Yds. Cut/Fill
67 ^e 0 ^e	
125 ^e 74 ^l	
0 ^e 40 ^e	
4 ^e 115 ^l	
25 ^e 22 ^e	
12 ^e 74 ^l	
4 ^e 17 ^e	
9 ^e 83 ^e	
1 ^e 31 ^e	
1 ^e 126 ³	
0 ^e 37 ^e	
23 ^l 54 ^l	
12 ^e 13 ^e	
73 ^l 25 ^e	
27 ^e 0 ^e	
95 ^l 0 ^e	
24 ^e 0 ^e	
165 ^l 0 ^e	
68 ^e 0 ^e	
147 ^l 0 ^e	

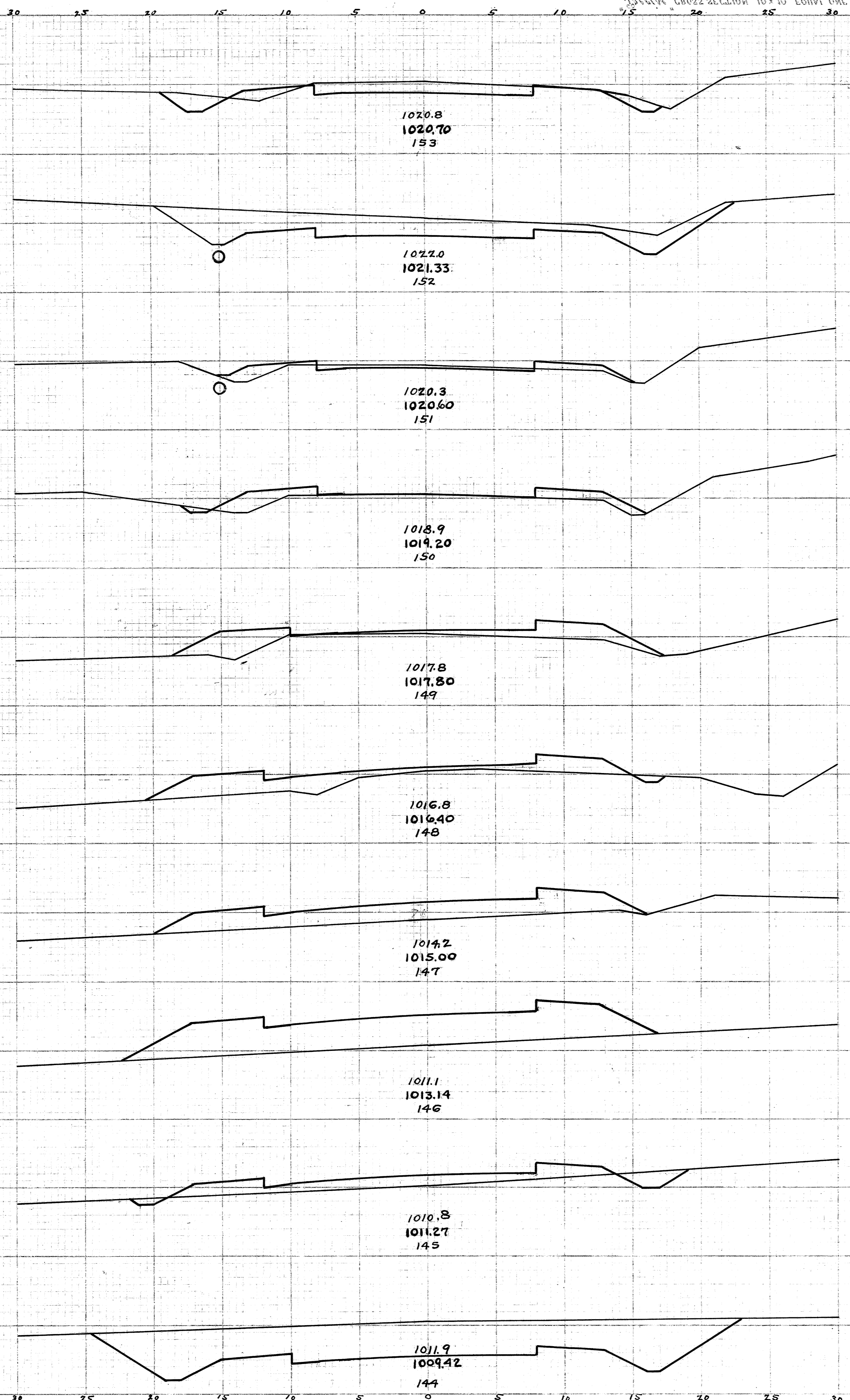
Excav. Lmb. + 20%
 7745 Cu. Yds.
 7260 Cu. Yds.



SECTION 10 x 10 EIGHT ONE INCH

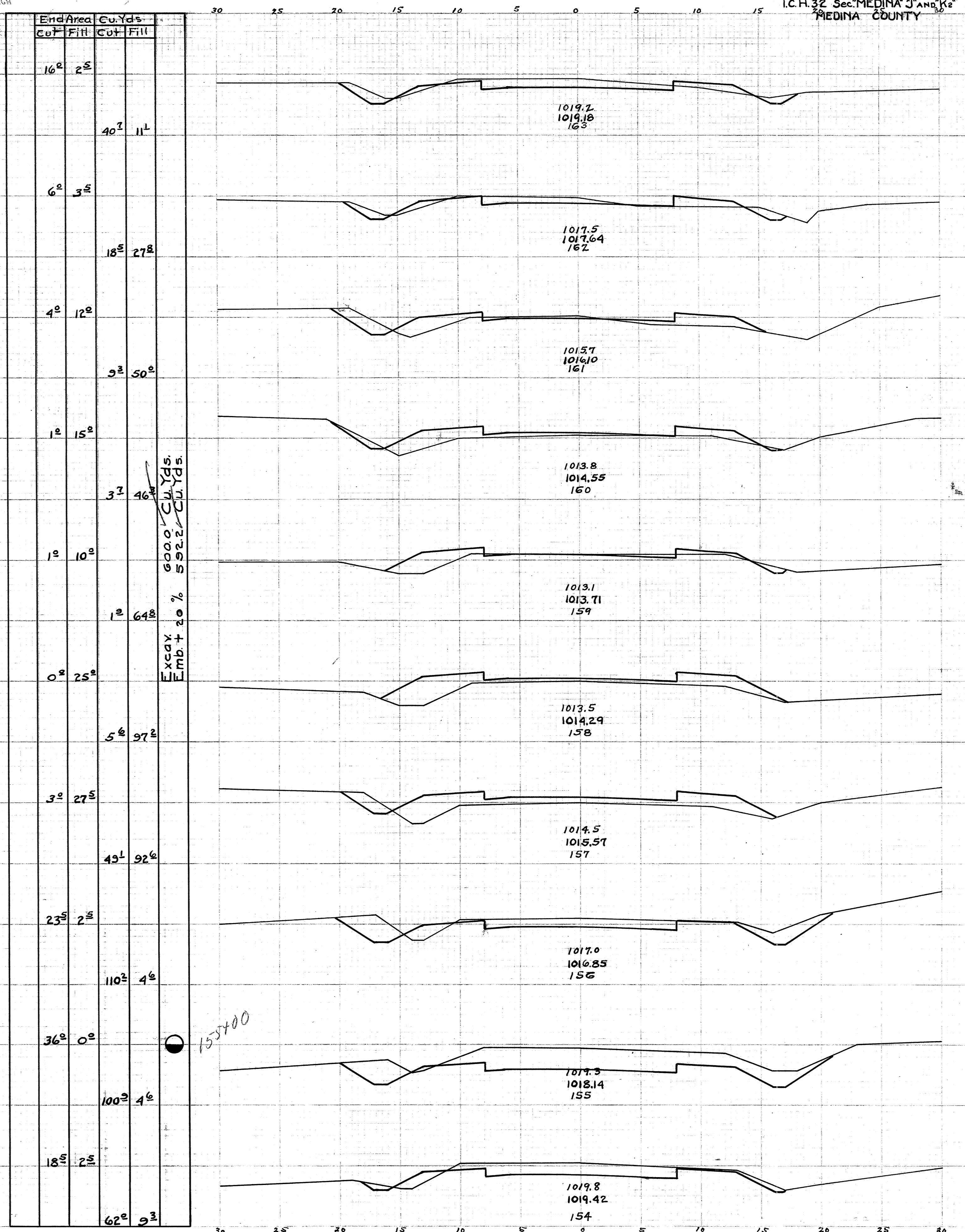
End Area		Cu. Yds.	
Gut	Fill	Cut	Fill
15 ^e	2 ^e		
		125 ⁶	4 ^e
55 ^e	0 ^e		
		118 ⁵	9 ^e
9 ^e	5 ^e		
		104 ¹	25 ^e
15 ^e	9 ^e		
		28 ⁸	55 ⁶
0 ^e	21 ^e		
		0 ^e	87 ^e
0 ^e	26 ^e		
		0 ^e	26 ^e
0 ^e	42 ^e		
		0 ^e	226 ³
0 ^e	80 ^e		
		5 ⁶	187 ¹
3 ^e	22 ^e		
		213 ⁰	0 ^e
112 ^e	0 ^e		
		333 ³	0 ^e

Excav
Emb. + 20%
985.11 Cu. Yds.
764.6 Cu. Yds.

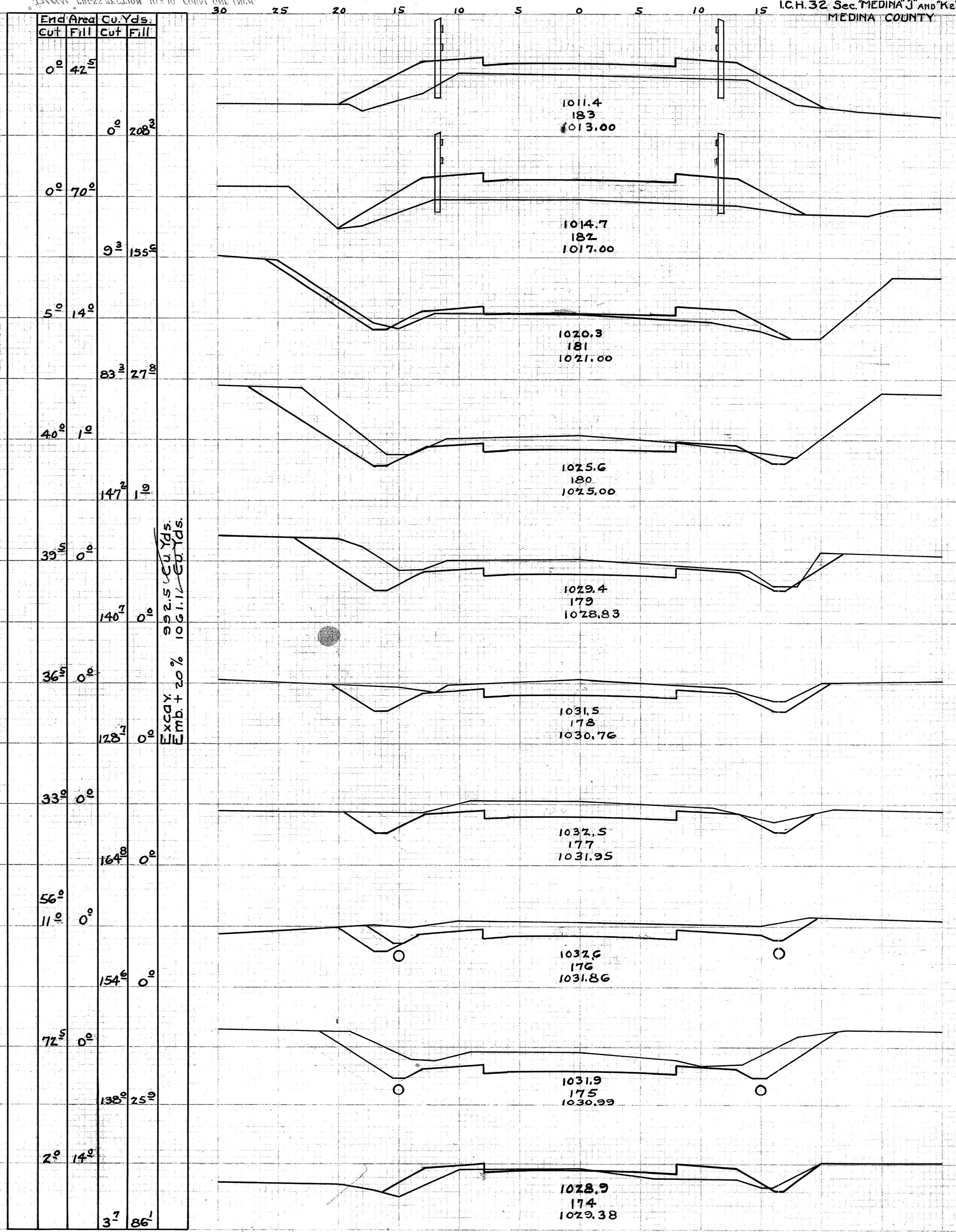
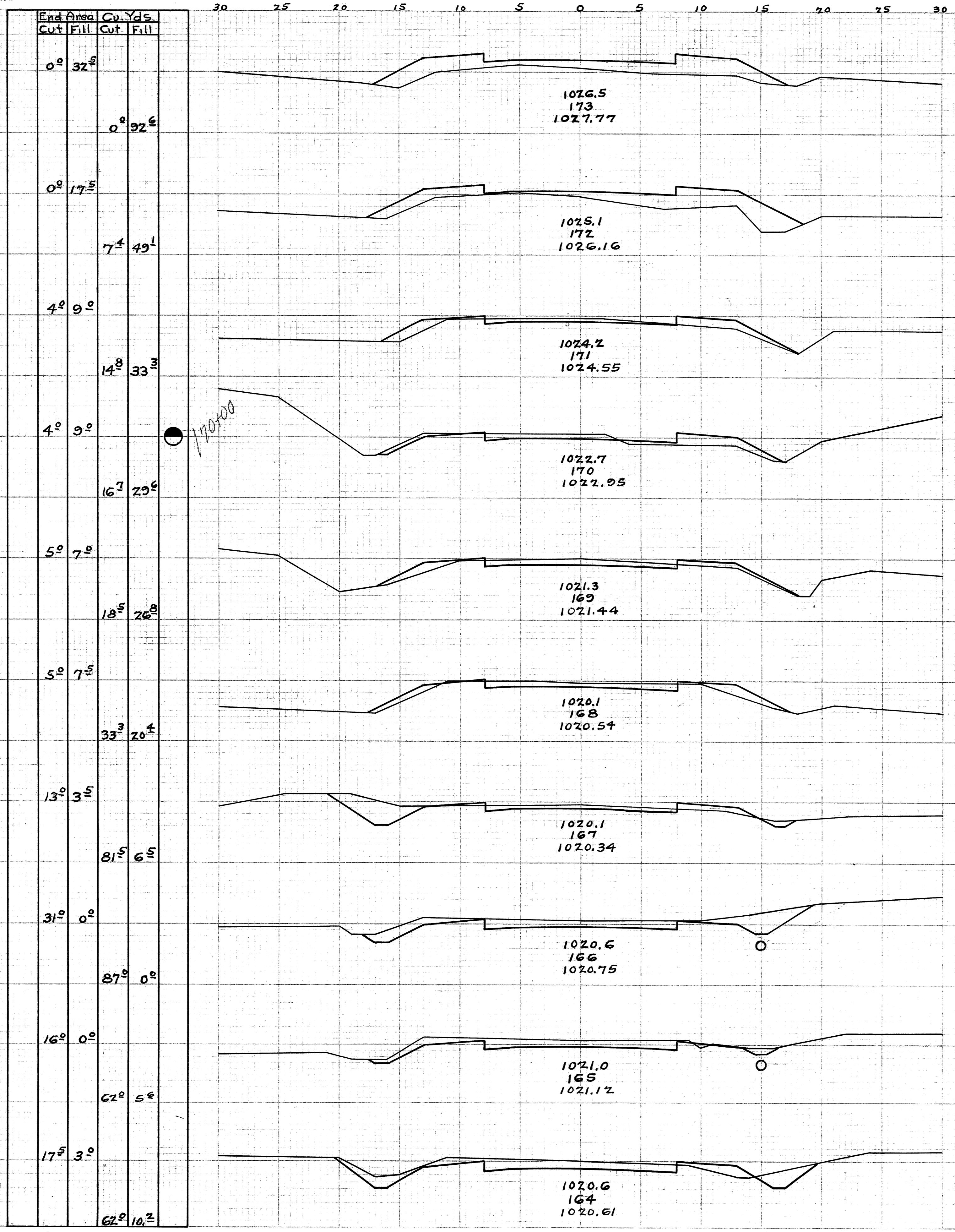


End Area		Cu. Yds.	
Gut	Fill	Cut	Fill
16 ^e	2 ^e		
		40 ⁷	11 ¹
6 ^e	3 ^e		
		18 ⁵	27 ⁸
4 ^e	12 ^e		
		9 ³	50 ^e
1 ^e	15 ^e		
		3 ⁷	46 ³
1 ^e	10 ^e		
		1 ^e	64 ⁸
0 ^e	25 ^e		
		5 ⁶	97 ²
3 ^e	27 ^e		
		45 ¹	92 ^e
23 ^e	2 ^e		
		110 ²	4 ^e
36 ^e	0 ^e		
		100 ³	4 ^e
18 ⁵	2 ^e		
		62 ^e	9 ³

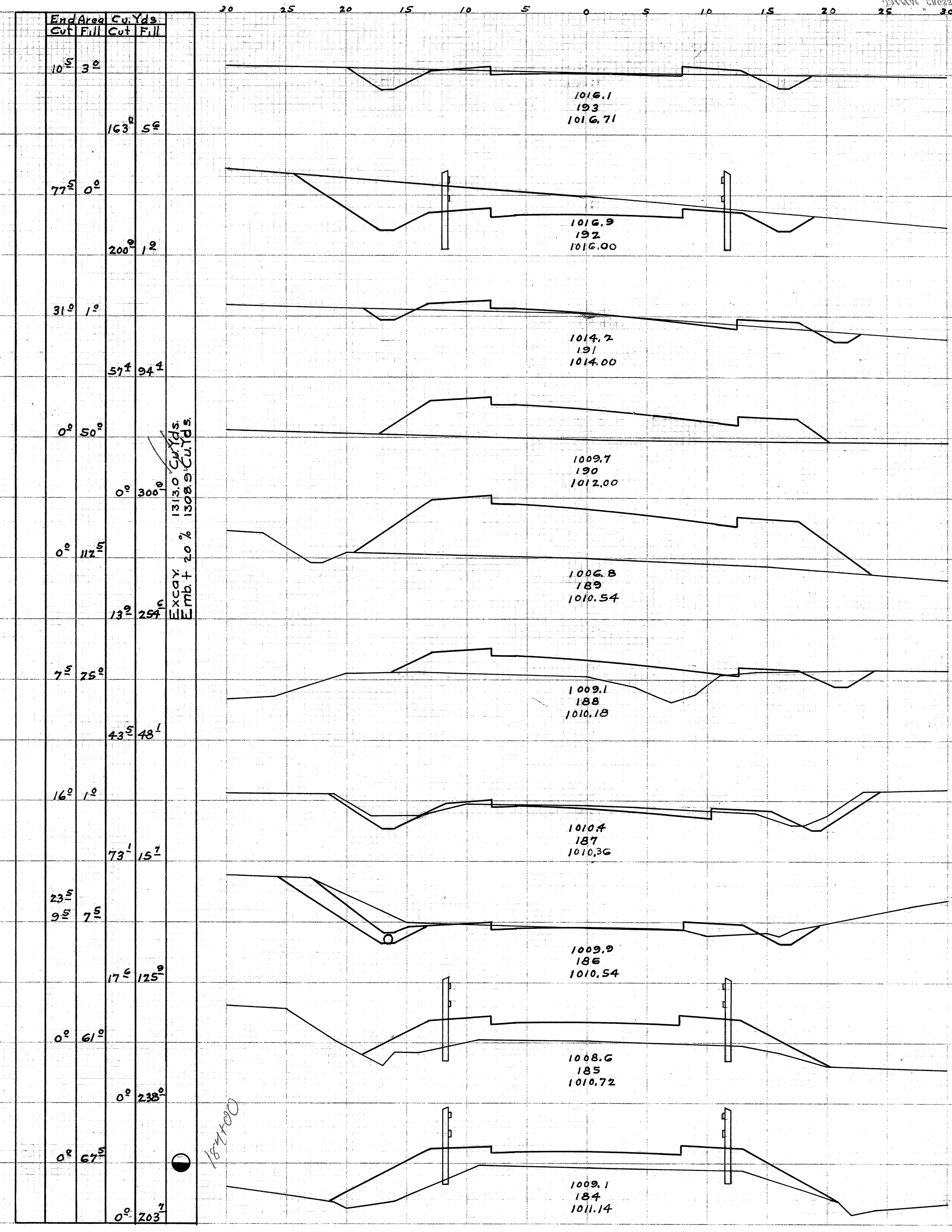
Excav
Emb. + 20%
600.0 Cu. Yds.
592.2 Cu. Yds.



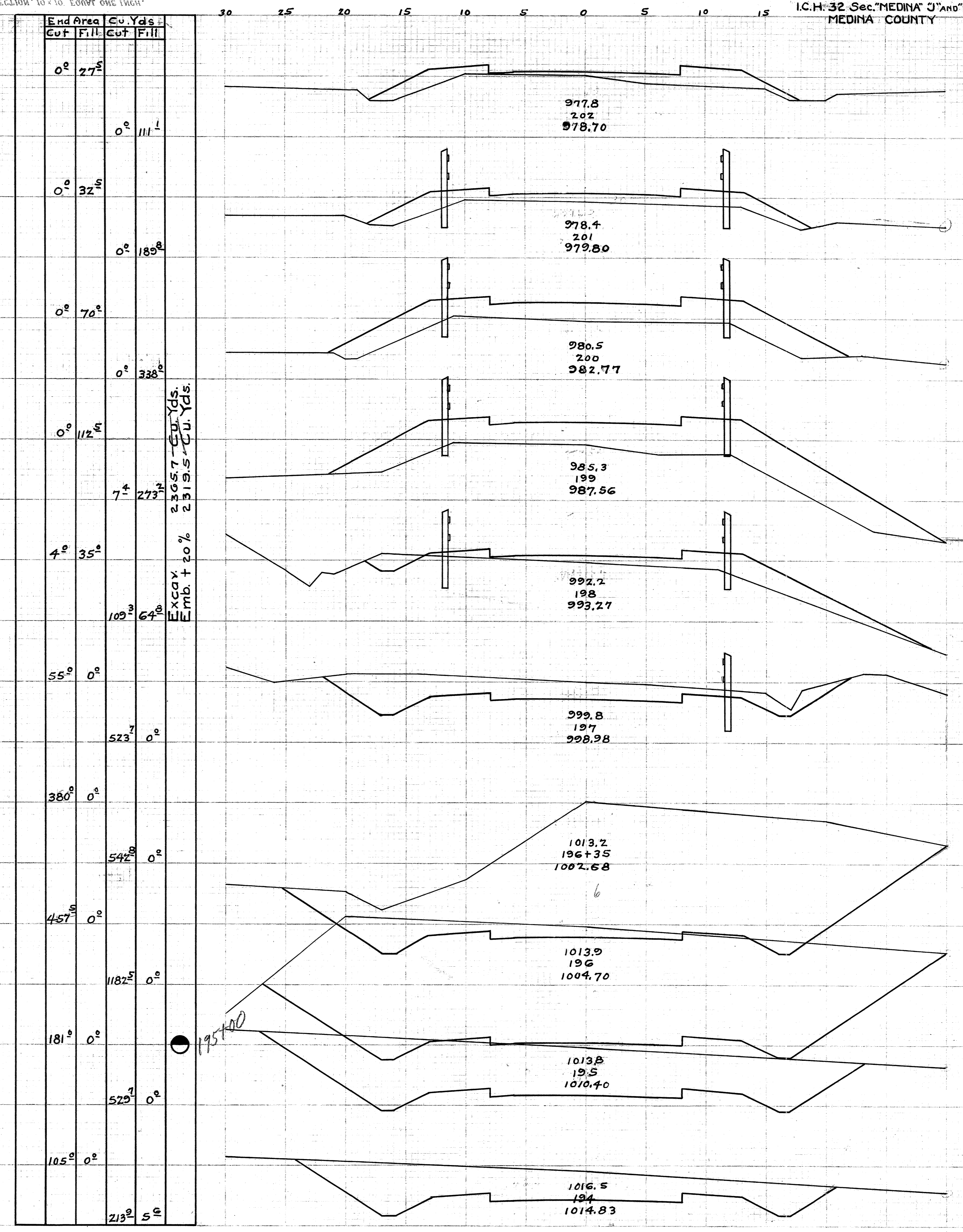
153400



VERTICAL CURVE 26.00' 10' x 10' EIGHT ONE HIGH



Excav. Emb. + 20%
 1313.0 Cu. Yds.
 1308.9 Cu. Yds.

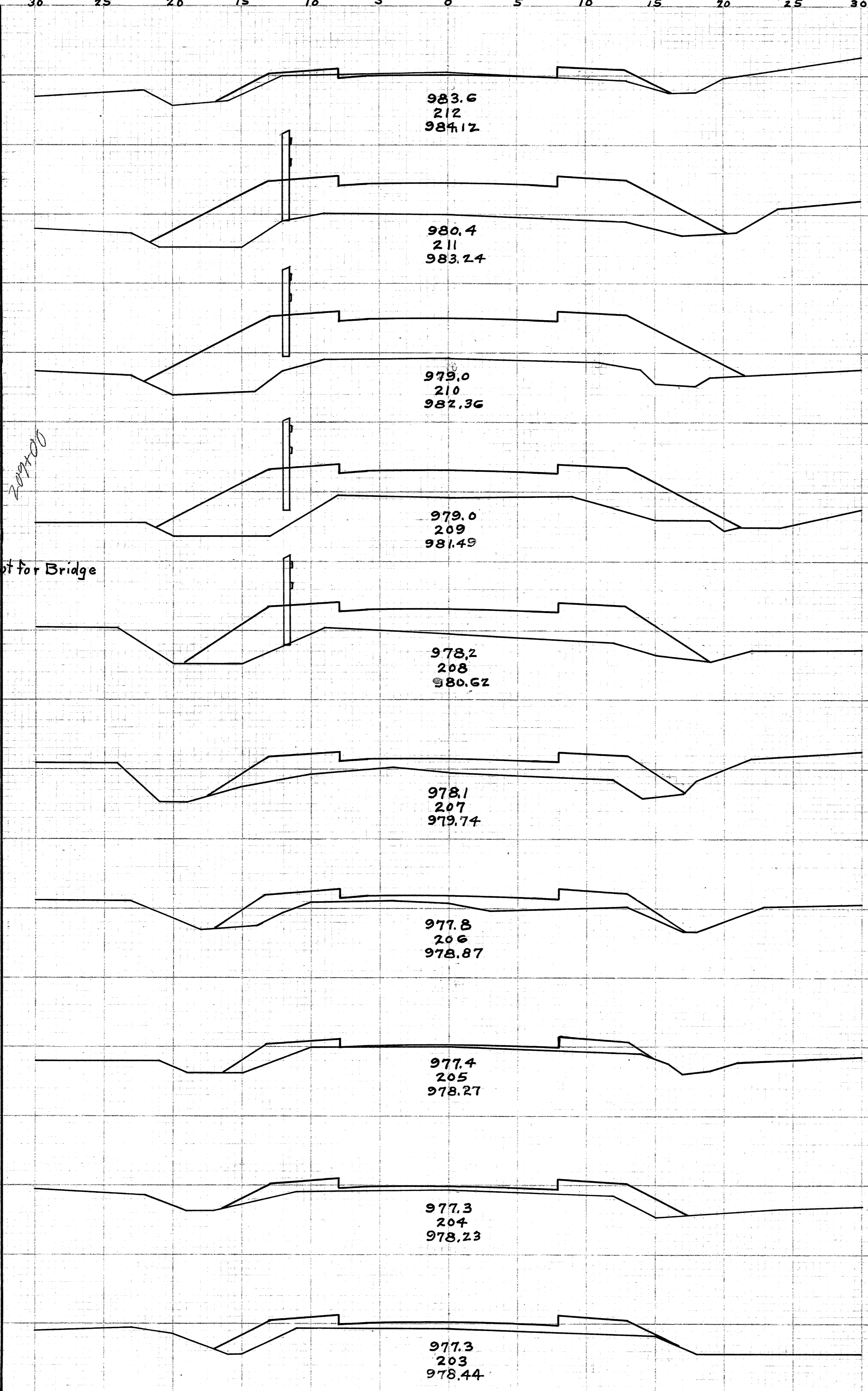


Excav. Emb. + 20%
 2365.7 Cu. Yds.
 2319.5 Cu. Yds.

195100

195100

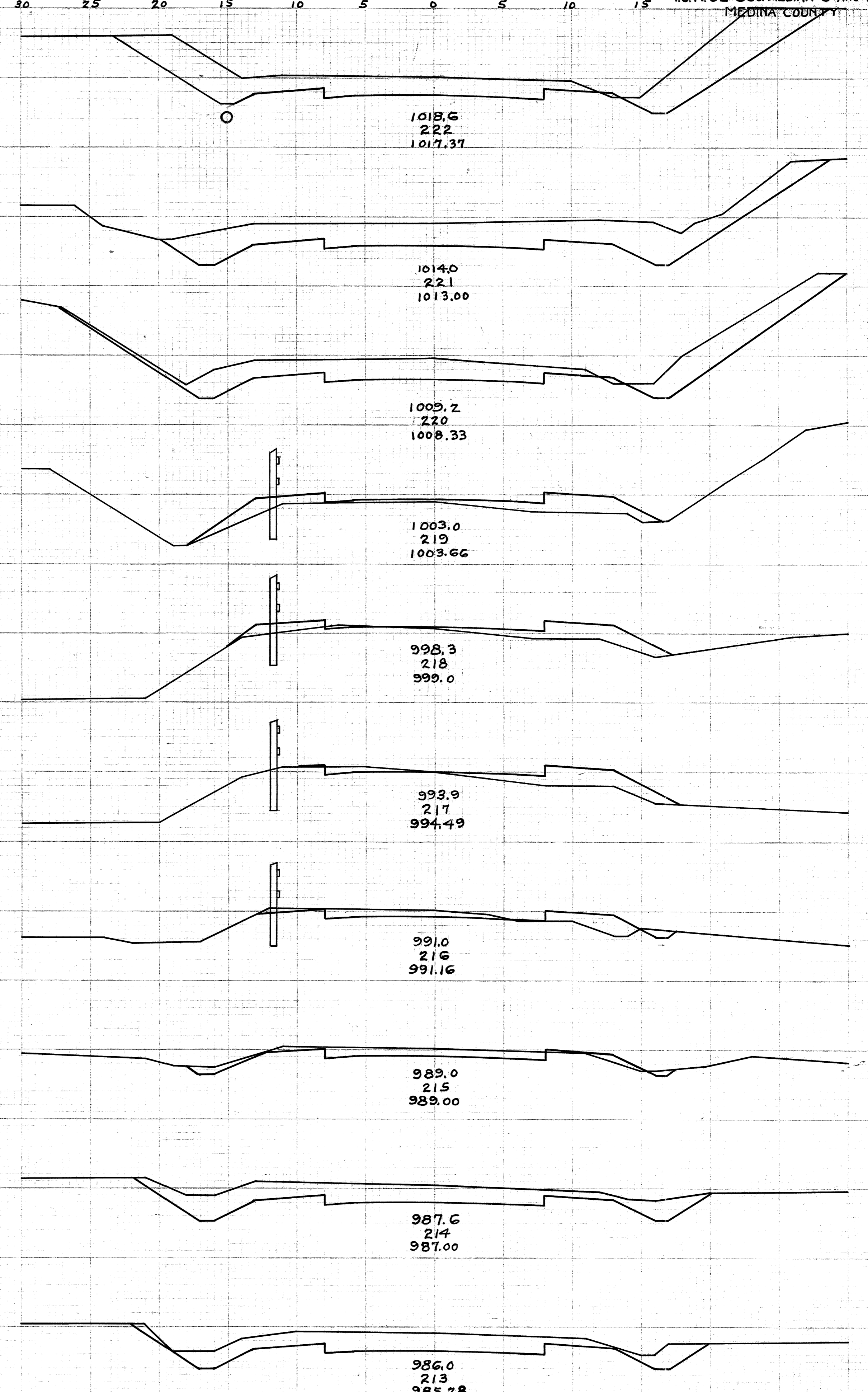
End Area		Cu. Yds.	
Cut	Fill	Cut	Fill
0°	10°		
		0°	199 ¹
0°	97 ⁵		
		0°	430 ⁶
0°	135 ⁸		
		0°	426 ²
0°	95 ²		
		0°	328 ⁷
		7	230 ¹
0°	82 ⁵		
		0°	245 ⁴
0°	50 ⁹		
		0°	146 ³
0°	29 ²		
		0°	85 ²
0°	17 ²		
		0°	68 ⁵
0°	20 ²		
		0°	83 ²
0°	25 ²		
		0°	97 ²



300 ft for Bridge

End Area		Cu. Yds.	
Cut	Fill	Cut	Fill
99°	0°		
		326 ⁸	0°
77 ⁵	0°		
		265 ⁸	0 ¹⁰
66 ²	0 ⁵		
		172 ²	38 ²
0°	26 ²		
		0°	69 ⁴
0°	17 ⁵		
		3 ⁷	59 ³
1 ⁵	14 ⁵		
		15 ⁷	38 ²
7°	6 ⁵		
		35 ²	12 ²
12°	0°		
		105 ⁶	0°
45 ²	0°		
		159 ²	0°
41 ²	0°		
		75 ²	18 ⁵

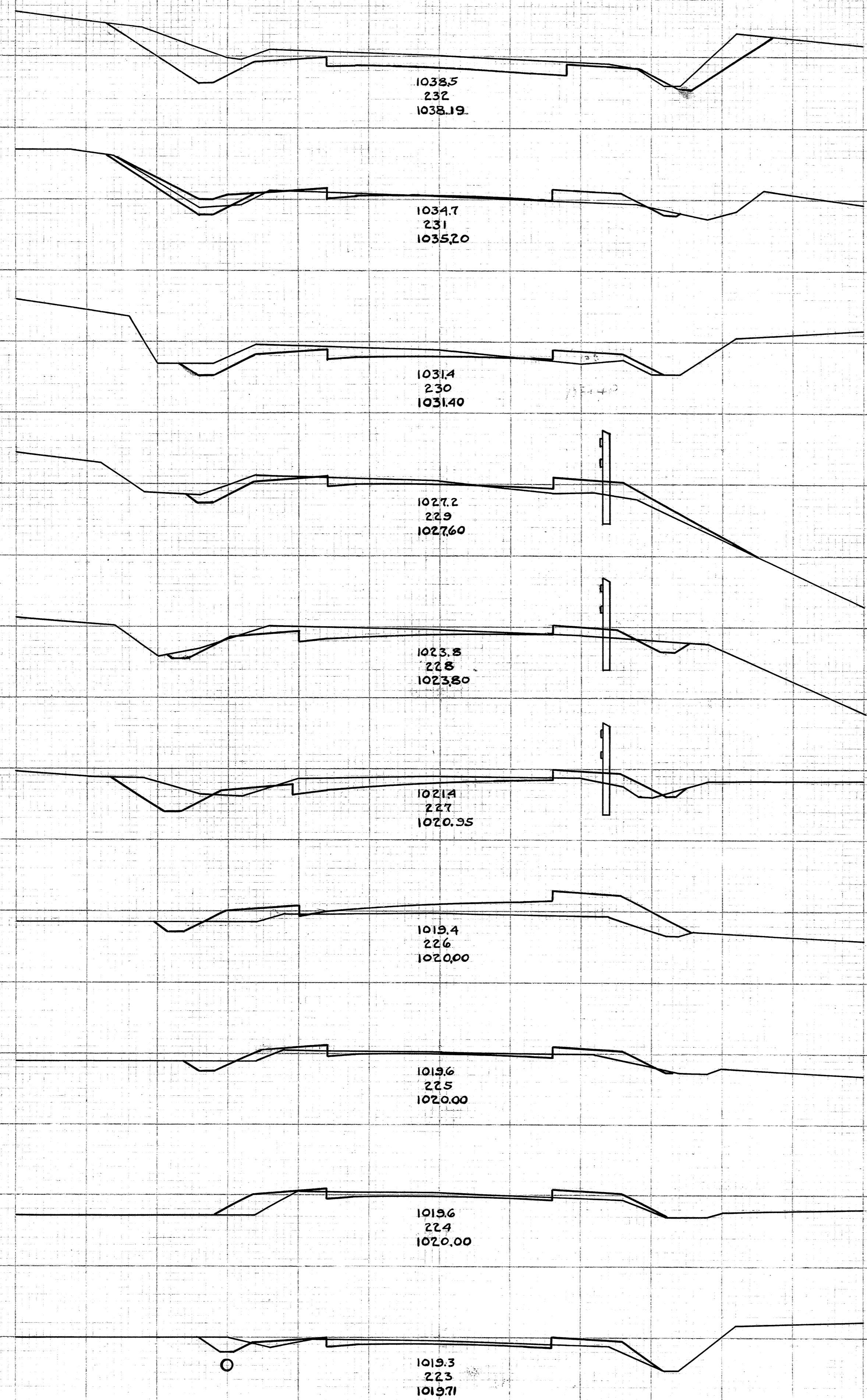
Excav. + 20% Emb. + 20%
1802.7 Cu. Yds.
1754.1 Cu. Yds.



SECTION 10 x 10 EIGHT ONE INCH

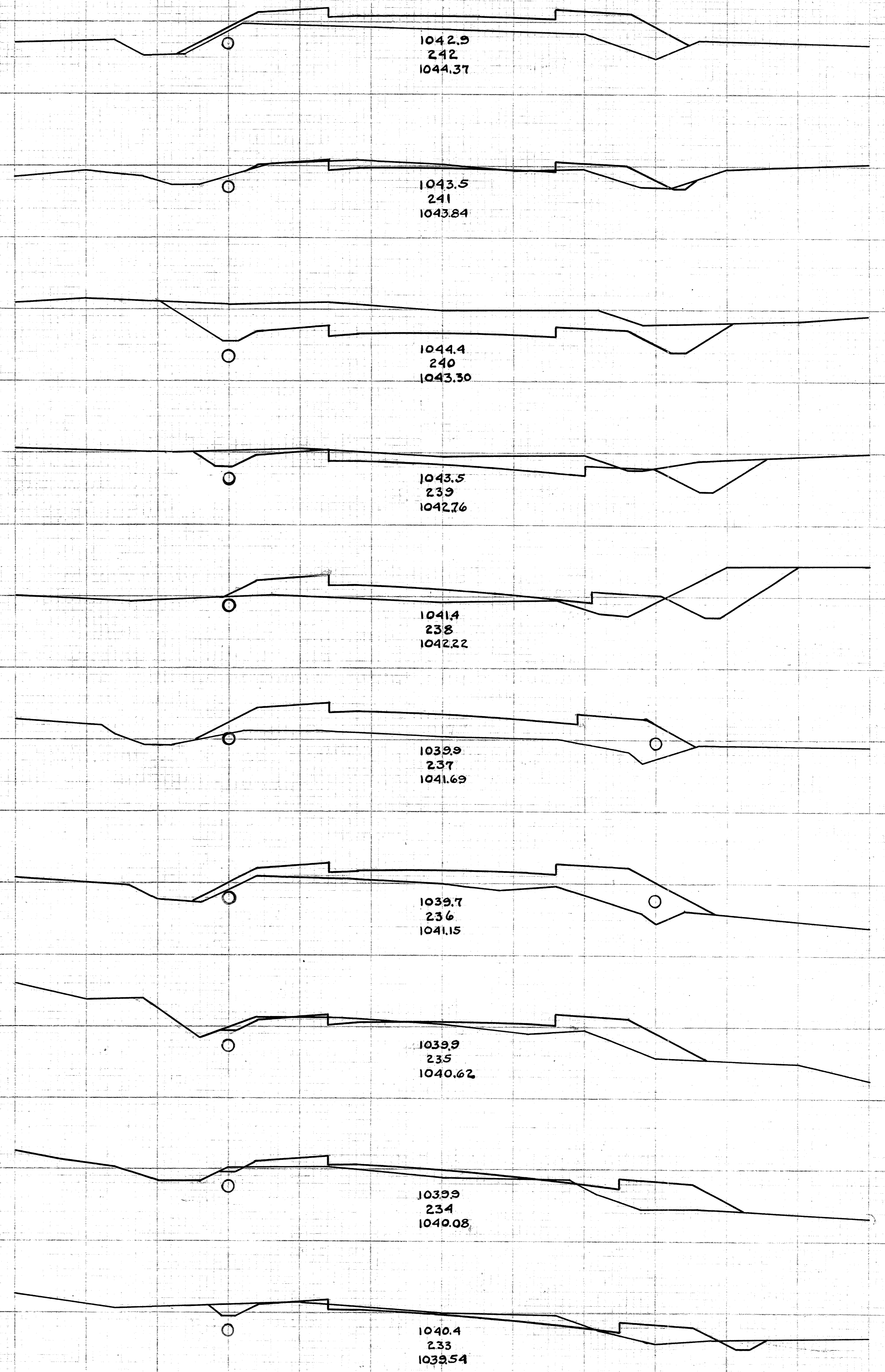
SECTION 10 x 10 EIGHT ONE INCH

End Area	Cu. Yds.
Cut	Fill
50°	0°
39°	14°
36°	8°
36°	5°
29°	18°
12°	5°
36°	25°
7°	9°
42°	20°
16°	2°
64°	37°
29°	0°
57°	13°
2°	7°
13°	21°
5°	4°
18°	21°
5°	7°
31°	20°
12°	4°
205°	74°

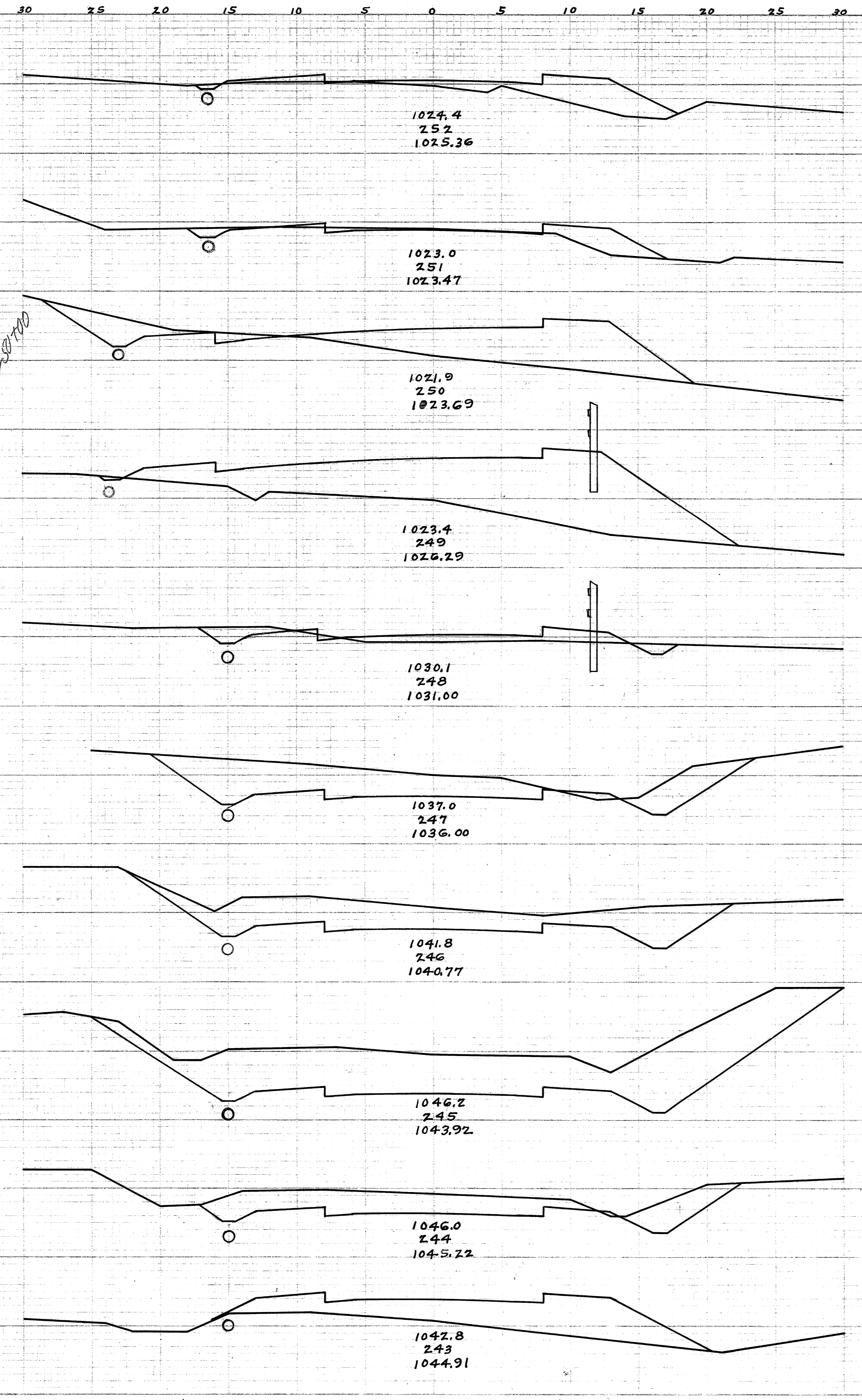


End Area	Cu. Yds.
Cut	Fill
0°	38°
71°	79°
42°	58°
95°	93°
47°	0°
191°	0°
56°	0°
129°	21°
14°	11°
25°	102°
0°	44°
0	135°
0°	29°
6°	87°
3°	18°
45°	31°
21°	9°
133°	21°
51°	2°
93°	23°
187°	4°
936	25

CUT & FILL VOLUMES
 100% SUBMIT + 10%

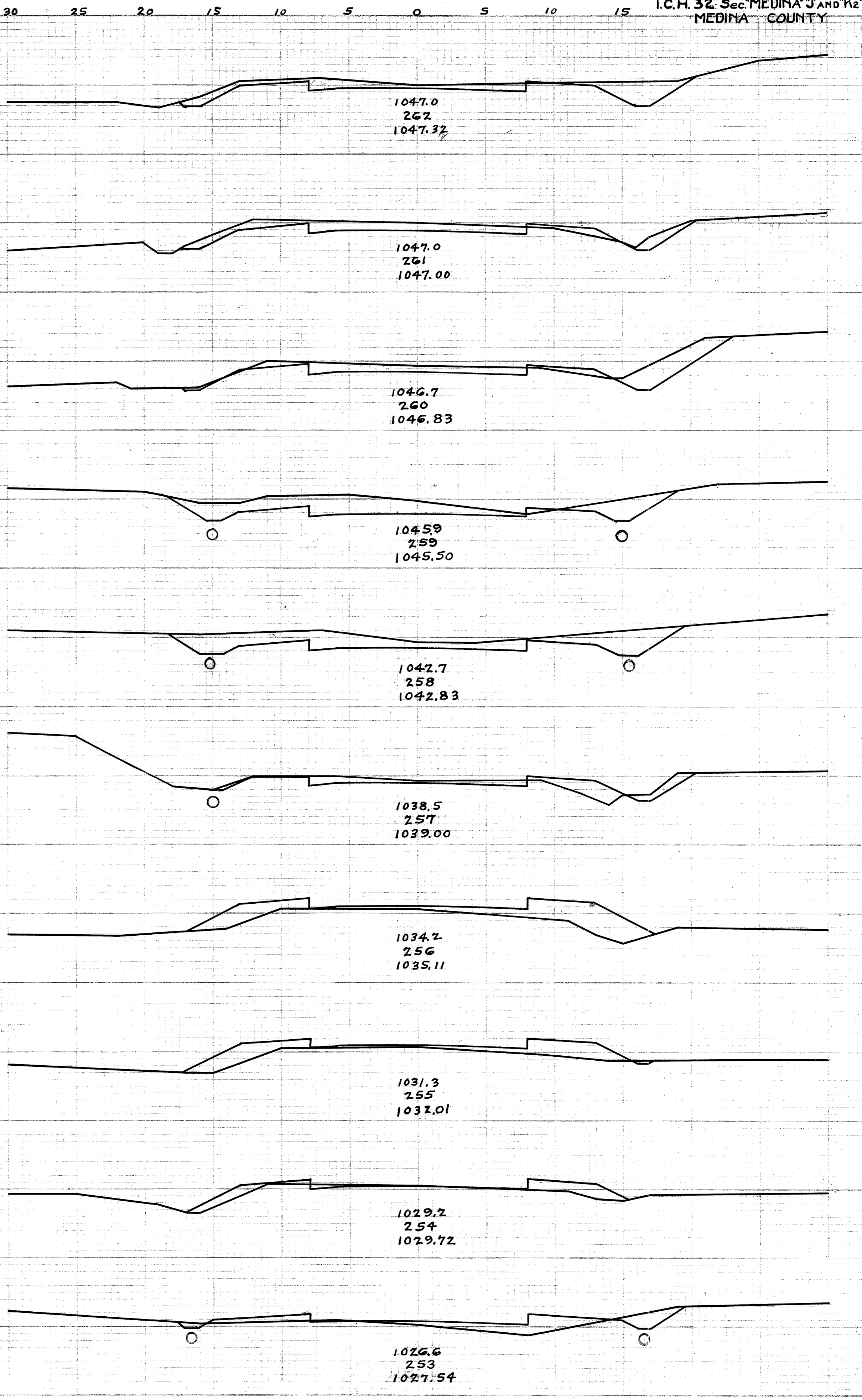


End Area	Cu Yds	End Area	Cu Yds
Cut	Fill	Cut	Fill
0°	26°		
	5°	67°	
3°	10°		
	12°	86°	
3°	36°		
	6°	231°	
0°	109°		
	13°	211°	
7°	5°		
	147°	11°	
72°	1°		
	272°	1°	
75°	0°		
	444°	0°	
165°	0°		
	406°	0°	
54°	0°		
	100°	109°	
0°	59°		
	0°	179°	



End Area	Cu Yds	End Area	Cu Yds
Cut	Fill	Cut	Fill
18°	0°		
	60°	3°	
14°	2°		
	60°	7°	
18°	2°		
	117°	4°	
45°	0°		
	167°	0°	
45°	0°		
	101°	9°	
10°	5°		
	18°	63°	
0°	29°		
	0°	90°	
0°	20°		
	0°	53°	
0°	9°		
	8°	42°	
4°	14°		
	7°	74°	

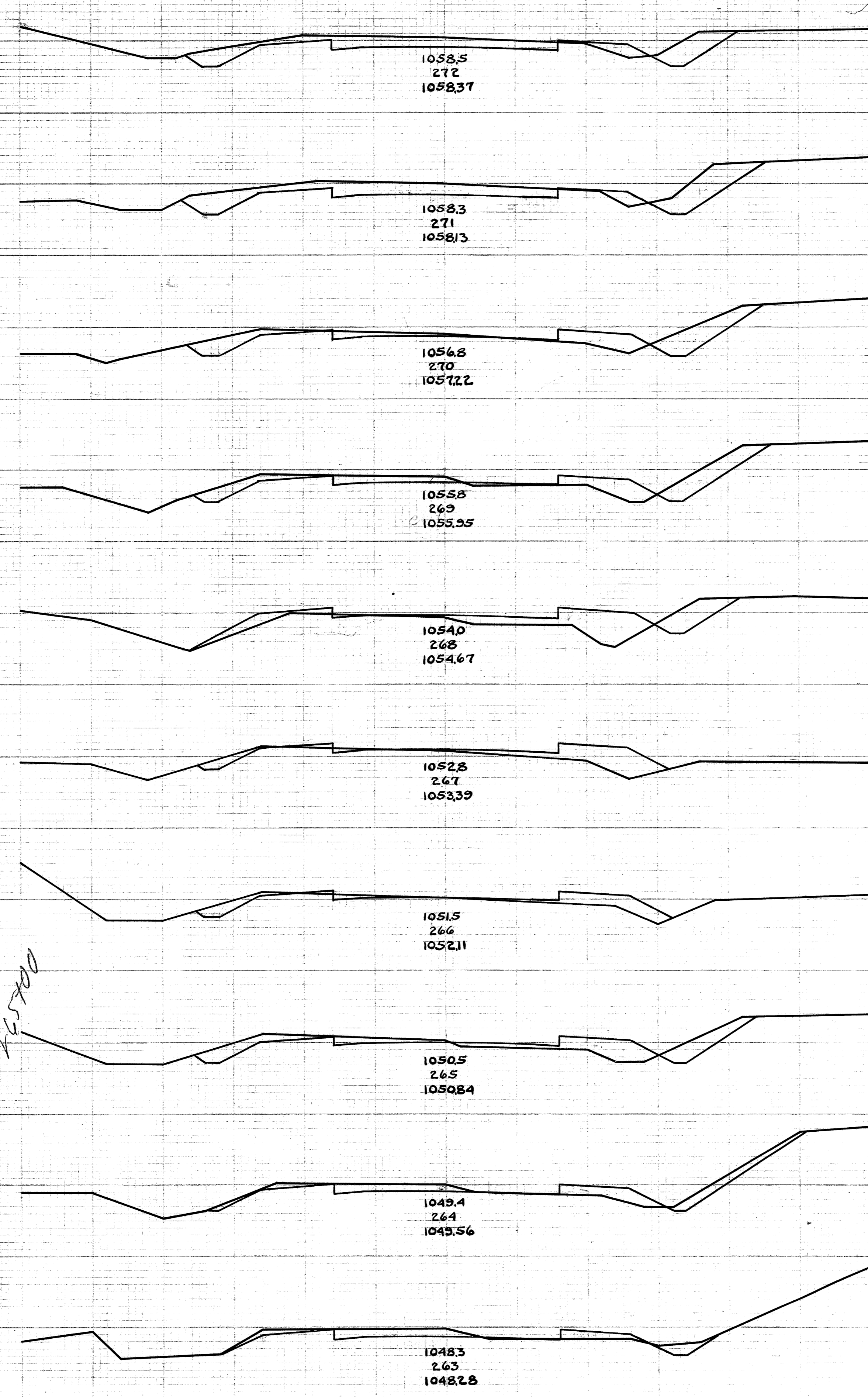
EXCAY
 Emb. + 20%
 6787 Cu Yds
 6623 Cu Yds



End Area	Cu. Yds.	Cut	Fill
23 ⁰	2 ⁵		
99 ¹	9 ²		
30 ⁵	2 ⁵		
87 ⁰	13 ⁰		
16 ⁵	4 ⁵		
59 ³	17 ⁵		
15 ⁵	5 ⁰		
40 ¹	44 ¹		
6 ⁵	13 ⁰		
16 ⁷	60 ²		
2 ⁵	13 ⁵		
10 ²	39 ⁸		
3 ⁰	8 ⁰		
27 ⁸	33 ²		
12 ⁰	10 ⁰		
38 ⁰	27 ⁸		
9 ⁰	5 ⁰		
31 ⁵	14 ²		
8 ⁰	3 ⁰		
48 ¹	5 ⁵		

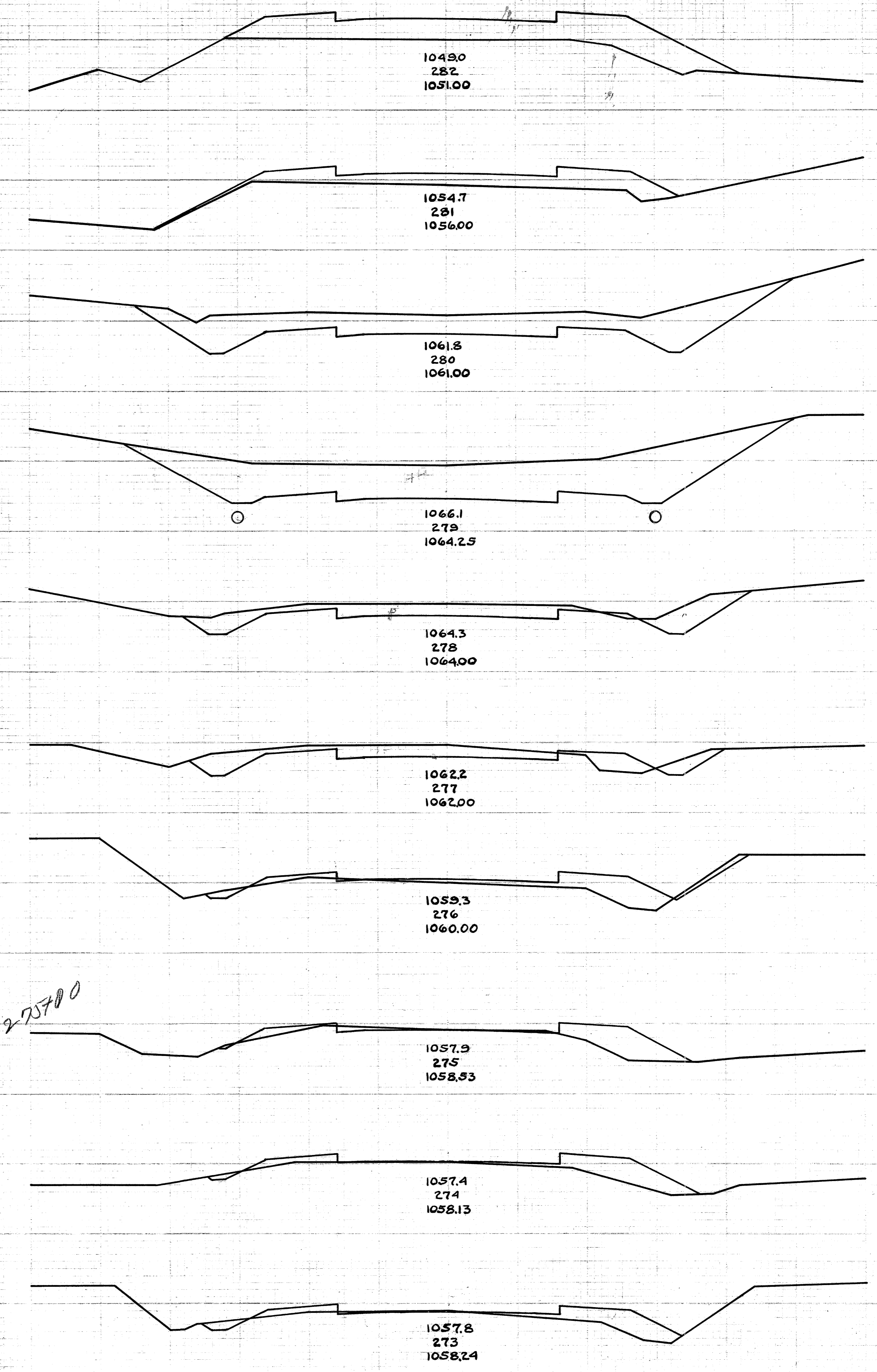
Excav + 20% Emb + 20%
 3927.7 CU Yds
 431.1 CU Yds

245700



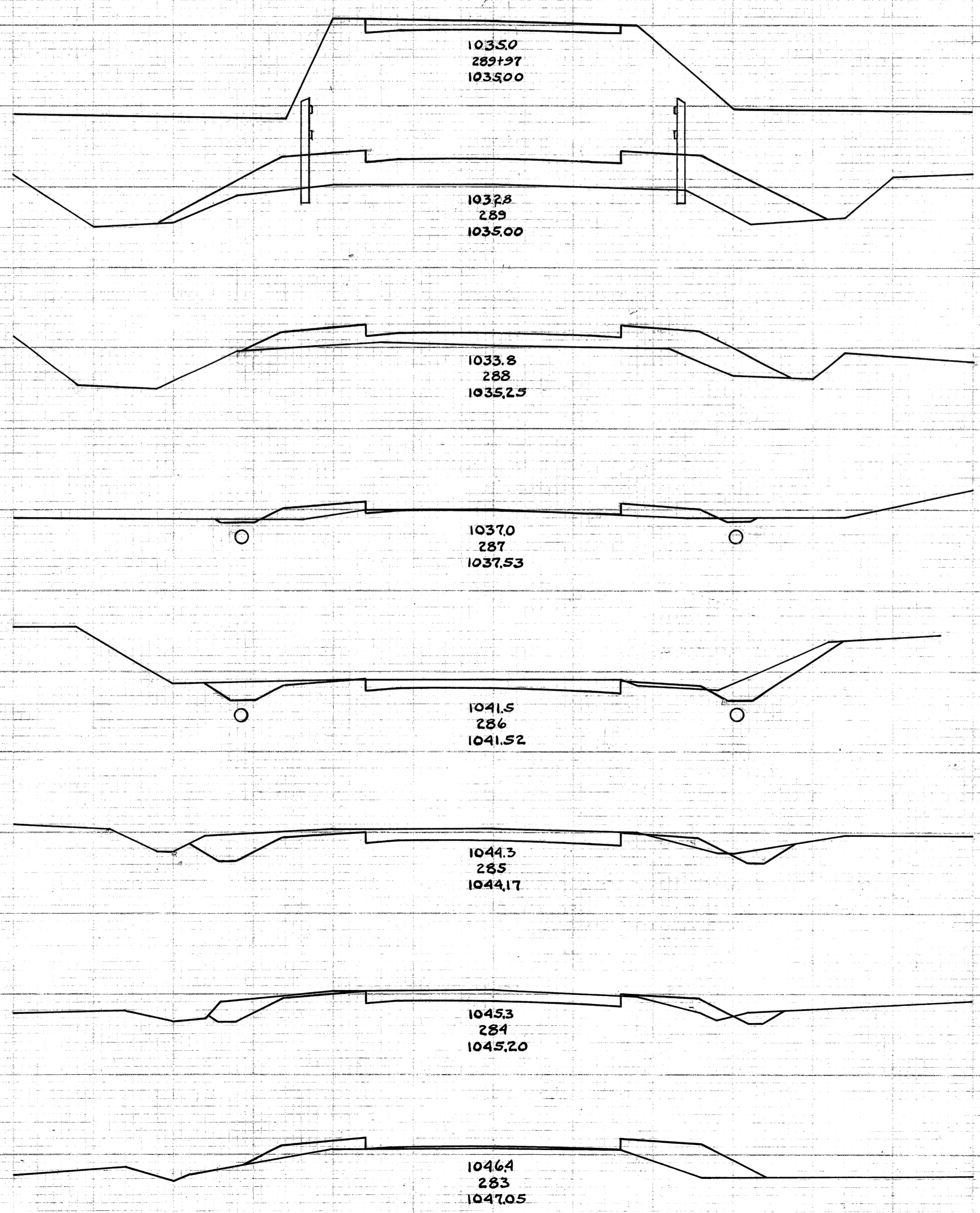
End Area	Cu. Yds.	Cut	Fill
0 ⁰	59 ⁰		
0 ⁰	166 ⁷		
0 ⁰	31 ⁰		
127 ⁸	57 ¹		
69 ⁰	0 ⁰		
331 ⁵	0 ⁰		
110 ⁰	0 ⁰		
259 ³	0 ⁰		
30 ⁰	0 ⁵		
96 ³	12 ⁰		
22 ⁰	6 ⁰		
42 ⁶	47 ²		
1 ⁰	13 ⁵		
3 ⁷	63 ⁰		
1 ⁰	15 ⁰		
2 ⁸	55 ⁶		
0 ⁵	15 ⁰		
3 ⁷	54 ⁶		
1 ⁵	14 ⁵		
45 ⁴	31 ⁵		

275700

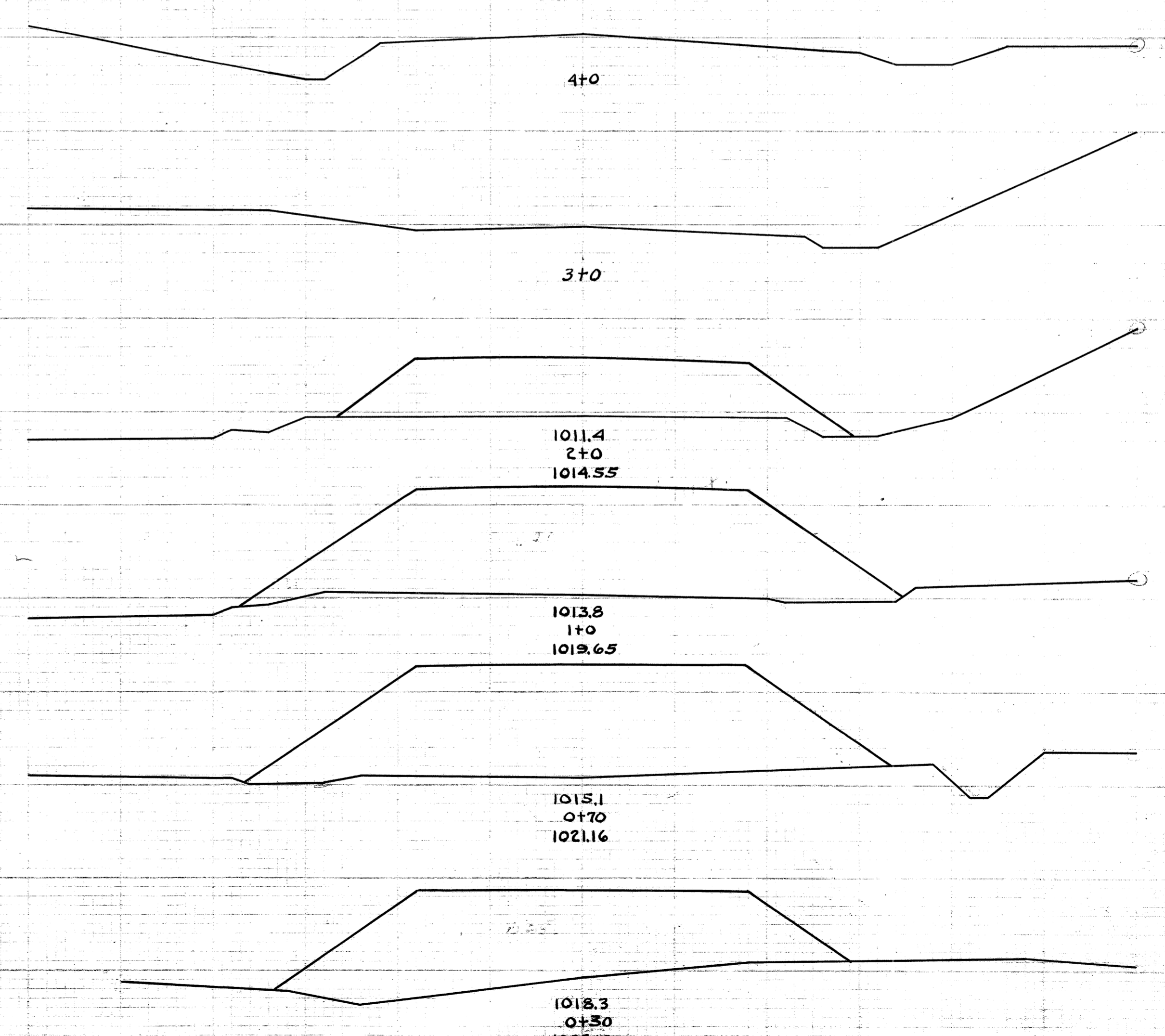


End Area	Cu. Yds.	End Area	Cu. Yds.
Cut	Fill	Cut	Fill
8 ²	0 ²	14 ¹	124 ²
0 ²	69 ²	0 ²	185 ²
0 ²	31 ²	1 ²	70 ¹
1 ²	7 ²	43 ²	14 ²
22 ²	1 ²	86 ¹	5 ²
24 ²	2 ²	74 ¹	9 ³
16 ²	3 ²	29 ²	33 ³
0 ²	15 ²	0 ²	137 ²

Excav
 Emb.
 20%
 110.8
 111.2
 111.2
 111.2
 Cu. Yds.
 Cu. Yds.
 Cu. Yds.
 Cu. Yds.

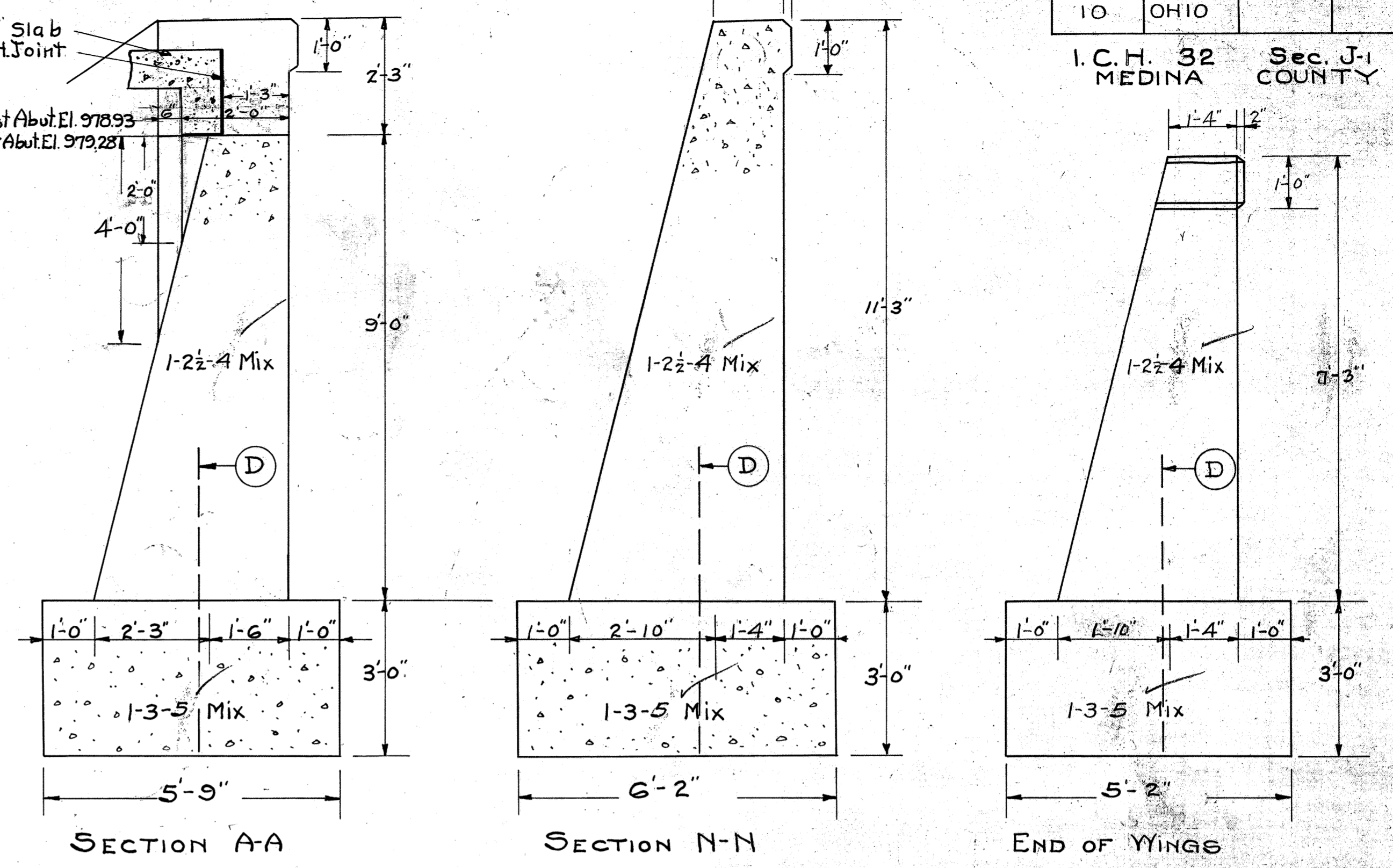
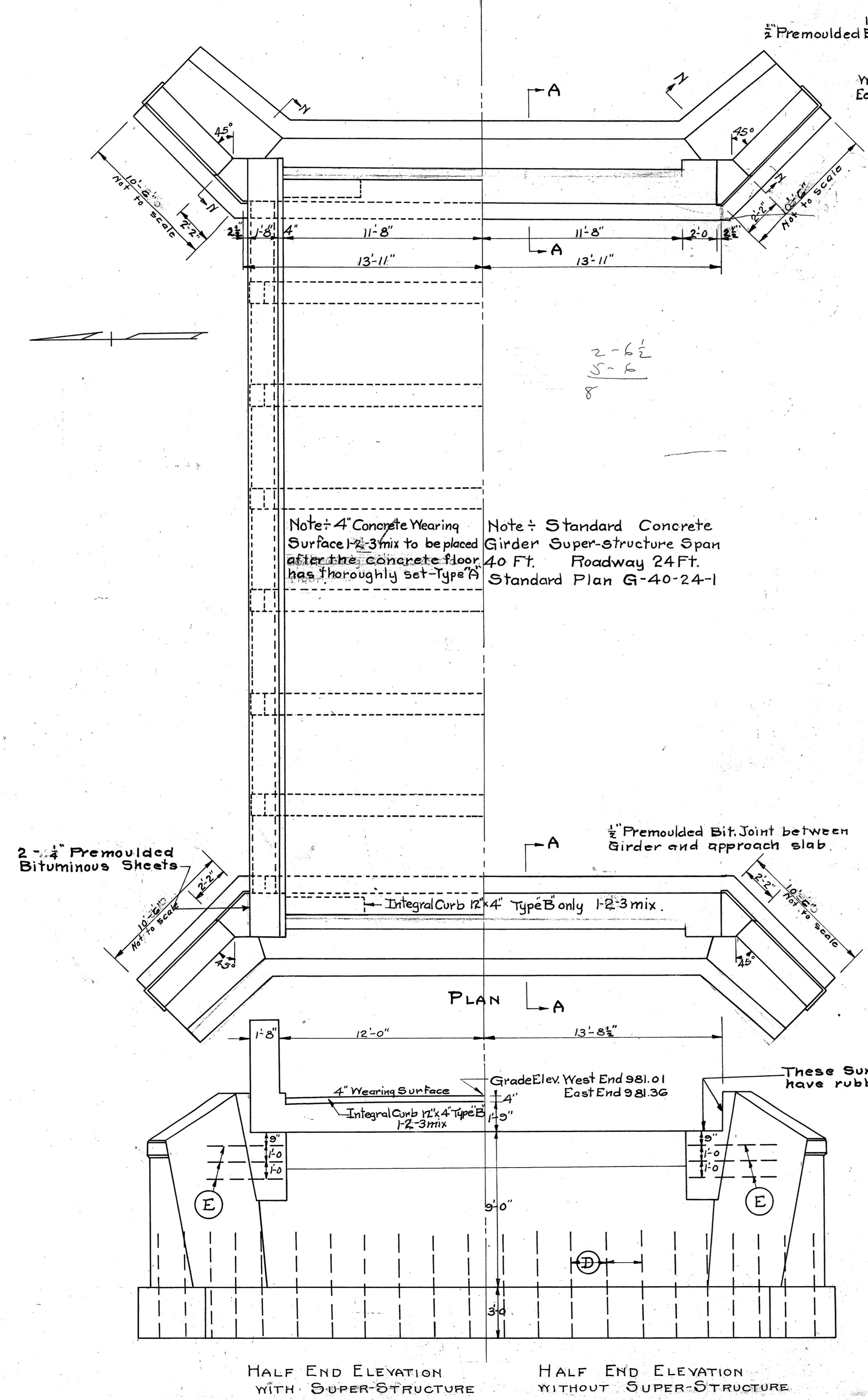
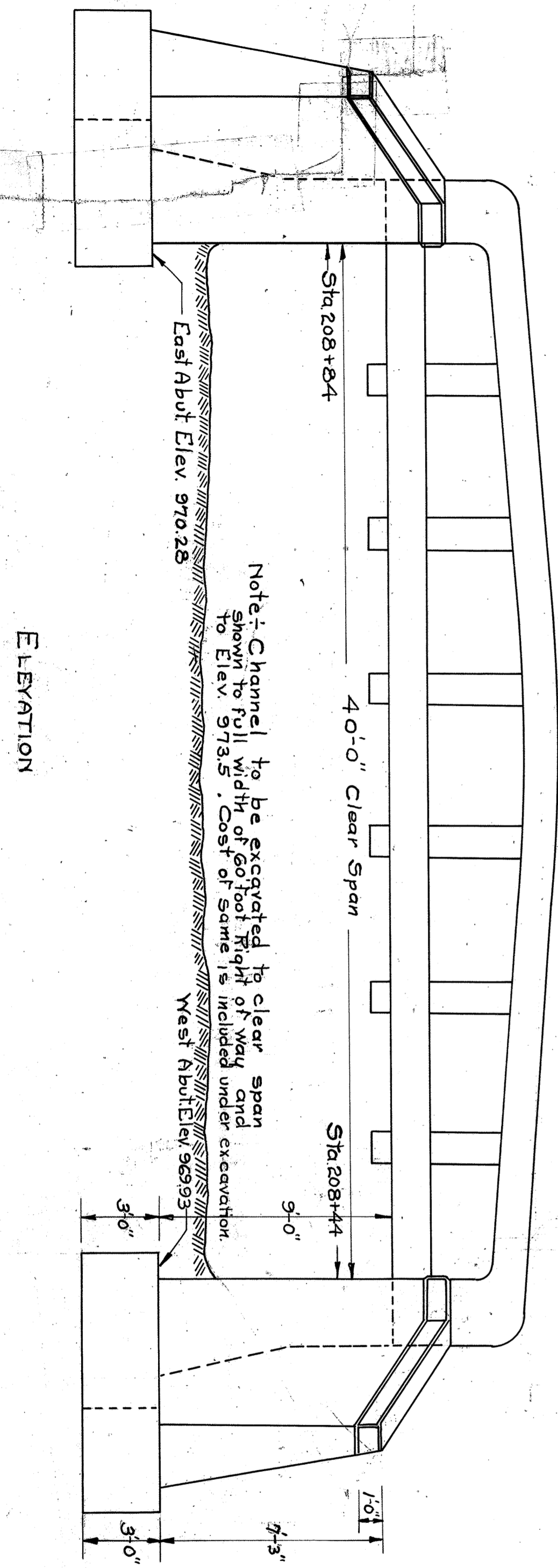


End Area	Cu. Yds.	End Area	Cu. Yds.
Cut	Fill	Cut	Fill
0 ²	164 ²	0 ²	89 ²
0 ²	81 ²	0 ²	55 ²
0 ²	117 ²	0 ²	156 ²
0 ²	205 ²	0 ²	121 ²



CROSS SECTION ON ROAD SOUTH STA. 250+10 CO. ROAD 179

I.C.H. 32 MEDINA COUNTY
Sec. J-1



SUB-STRUCTURE STEEL LIST

Bars	No.	Size	Length	Spacing
D	44	3/4 φ	6'-0"	2' ctrs.
E	12	3/4 φ	6'-0"	Shown

Total Weight 505 Lbs.
Super-Structure Steel 14480 Lbs.
Reinforcing Steel 14985 Lbs.

ESTIMATED QUANTITIES (TOTAL)

400 Cu. Yds. Excavation unclassified
30 Cu. Yds. Masonry Removed
65.5 Cu. Yds. Concrete 1-2-3 1/2 (Super-structure)
82.2 Cu. Yds. Concrete 1-2-4 (Sub-structure)
58.1 Cu. Yds. Concrete 1-3-5 (Sub-structure)
14985 Lbs. Reinforcing Steel
1 Structure Removed
110.2 Sq. Yds. 4" Concrete 1-2-3 mix wearing surface. Type 'A'
18.7 Lin. Ft. 12"x4" Integral curb in place. Type 'B'
108.1 Sq. Yd. 3" Brick, Asphalt Filler F-12 and 1" Granulated Slag Cushion. Type 'B'
6 Cu. Yd. additional 1-2-4 Conc. for approach slab Type 'B'.
4 Cu. Yd. additional 1-2-4 Conc. for approach slab Type 'A'.
1420 Lbs. additional steel for approach slab.

Note: Approach slab 15' long, 16' wide and 10" thick of 1-2-3 mix for Type 'A' and 1-2-4 mix for Type 'B' shall be built at either end of bridge. Reinforcement in slab to be 3/4 φ, 14'-9" long and 6' ctrs. 1" from bottom. Slab to be wearing surface in case of Type 'A'. The lower 3" shall be of 1-2-4 mix for Type 'A'. The upper 7" of slab is estimated with pavement.

Approved: _____
Date 7/14/25
Approved: _____
Date 7/17/25
Approved: _____
Date _____
Approved: _____
Date _____

[Signature]
Division Engineer

[Signature]
Chief Engineer, Bureau of Bridges

State Highway Engineer

Director of Highways and Public Works

I.C.H. 32 SEC. J-1
NORTH BRANCH BRIDGE
MEDINA TOWNSHIP MEDINA COUNTY
LOCATED
4 MILES N.E. OF MEDINA, OHIO
STATION 208+49