

Sta. 165+32 Build standard 24" encased vitrified pipe culvert 44' long between old walls, 2 Hws. 9.0 cu. yds. excavation 3.5 cu. yds. 1-2-4 concrete 9.1 cu. yds. 1-3-6 concrete 44 lin. ft. 24" vit. pipe 8 lin. ft. 18" vitrified pipe to be removed 5 cu. yds. old stone top to be removed

Guard Rail
Sta. 164+80 to Sta. 165+76 on the right
Sta. 164+80 to Sta. 165+76 on the left

Sta. 179+04 Build standard 15" encased vitrified pipe culvert 36' long 2 Hws. 7.0 cu. yds. excavation 2.3 cu. yds. 1-2-4 concrete 4.7 cu. yds. 1-3-6 concrete 36 lin. ft. 15" vit. pipe to be removed & relaid

Sta. 191+55 Build standard 12" encased vit. pipe culvert 36' long, 2 headwalls, 6 cu. yds. excav. 2.0 cu. yds. 1-2-4 conc. 3.9 cu. yds. 1-3-6 conc. 22 lin. ft. 12" vit pipe to be relaid 14 lin. ft. 12" vitrified pipe

B.M. #40 Sta. 161+87 Spike in 18" poplar 28' to R of C Elev. = 623.38

B.M. #41 Sta. 166+12 Spike in 18" maple 17' to L of C Elev. = 618.65

B.M. #42 Sta. 169+83 Spike in 24" walnut 20' to L of C Elev. = 621.78

B.M. #43 Sta. 174+70 Spike in 48" W cherry 21' to R of C Elev. = 624.00

B.M. #44 Sta. 180+24 Spike in bel. pole 22' to L of C Elev. = 623.39

B.M. #45 Sta. 184+53 Spike in 36" maple 27' to R of C Elev. = 624.66

B.M. #46 Sta. 189+46 Spike in 20" maple 22' to L of C Elev. = 624.06

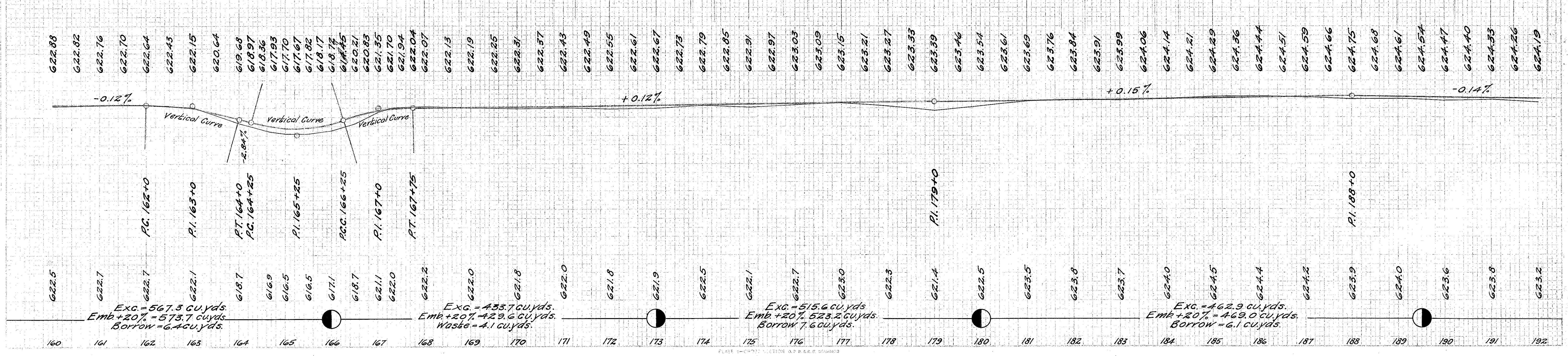
Intersection at Sta. 166+13.80 56 sq. yds. extra pav.

LEFT				RIGHT			
Edge Pav.	Width	Station	Grade	Width	Edge Pav.	Station	Grade
622.53	9'	161+50	622.70	9'	622.53	161+50	622.70
622.85	9'	162+0	622.64	9'	622.47	162+0	622.64
623.02	9'	162+50	622.43	9'	622.26	162+50	622.43
622.74	9'	163+0	622.15	9'	621.98	163+0	622.15
621.23	9'	163+50	620.64	9'	620.47	163+50	620.64
619.89	9'	164+0	619.68	9'	619.51	164+0	619.68
618.19	9'	164+50	618.36	9'	618.19	164+50	618.36
No extra pavement							

LEFT				RIGHT			
Edge Pav.	Width	Station	Grade	Width	Edge Pav.	Station	Grade
621.96	9'	168+50	622.13	9'	621.96	168+50	622.13
622.76	9'	169+0	622.19	11.9'	622.08	169+0	622.19
623.56	9'	169+50	622.25	14.4'	622.08	169+50	622.25
623.62	9'	170+0	622.31	14.4'	622.14	170+0	622.31
623.68	9'	170+50	622.37	14.4'	622.20	170+50	622.37
623.19	9'	171+0	622.43	12.4'	622.26	171+0	622.43
622.51	9'	171+50	622.49	9.7'	622.32	171+50	622.49
622.34	9'	171+63	622.51	9'	622.34	171+63	622.51
122 sq. yds. extra pav.							

LEFT				RIGHT			
Edge Pav.	Width	Station	Grade	Width	Edge Pav.	Station	Grade
623.89	9'	183+50	624.06	9'	623.89	183+50	624.06
623.97	9'	184+0	624.14	9'	624.36	184+0	624.14
624.04	9'	184+50	624.21	9'	624.62	184+50	624.21
624.12	9'	185+0	624.29	9'	624.70	185+0	624.29
624.19	9'	185+50	624.36	9'	624.77	185+50	624.36
624.27	9'	186+0	624.44	9'	624.85	186+0	624.44
624.34	9'	186+50	624.51	9'	624.63	186+50	624.51
624.42	9'	187+0	624.59	9'	624.42	187+0	624.59
No extra pavement							

LEFT				RIGHT			
Edge Pav.	Width	Station	Grade	Width	Edge Pav.	Station	Grade
624.37	9'	189+50	624.54	9'	624.37	189+50	624.54
624.30	9'	190+0	624.47	9'	624.75	190+0	624.47
624.23	9'	190+50	624.40	9'	625.13	190+50	624.40
624.16	9'	191+0	624.33	9'	625.06	191+0	624.33
624.09	9'	191+50	624.26	9'	624.99	191+50	624.26
624.02	9'	192+0	624.19	9'	624.54	192+0	624.19
623.95	9'	192+50	624.12	9'	624.03	192+50	624.12
623.94	9'	192+58	624.11	9'	623.94	192+58	624.11
No extra pavement							



Exc. = 567.3 cu. yds.
Emb +20% = 573.7 cu. yds.
Borrow = 6.4 cu. yds.

Exc. = 433.7 cu. yds.
Emb +20% = 429.6 cu. yds.
Waste = 4.1 cu. yds.

Exc. = 515.6 cu. yds.
Emb +20% = 523.2 cu. yds.
Borrow = 7.6 cu. yds.

Exc. = 462.9 cu. yds.
Emb +20% = 469.0 cu. yds.
Borrow = 6.1 cu. yds.