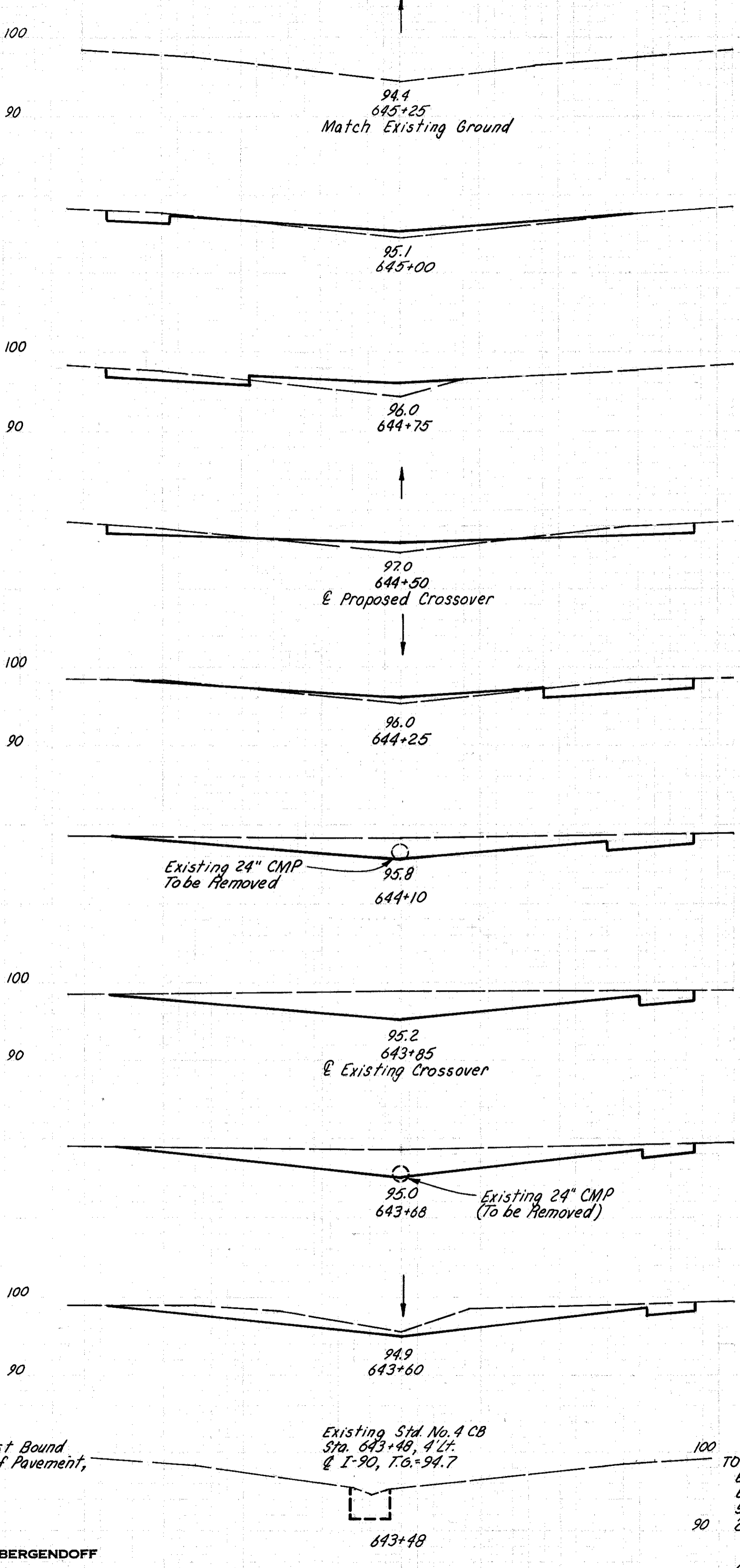


FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

LAKE COUNTY  
LAK-90-3.56

QUANTITIES  
Made: REM 5-5-72  
Ckd: RAE 6-1-72

Match Existing Ground @ Sta. 796+35



Vol. Exc. =  $\frac{(0+8)25}{34} = 3.7$  Cu. Yds.  
Vol. Emb. =  $\frac{(0+20)25}{34} = 9.2$  Cu. Yds.

Vol. Exc. =  $\frac{(8+12)25}{34} = 11.6$  Cu. Yds.  
Vol. Emb. =  $\frac{(20+29)25}{34} = 22.7$  Cu. Yds.

Vol. Exc. =  $\frac{(17+33)25}{34} = 23.1$  Cu. Yds.  
Vol. Emb. =  $\frac{(29+19)25}{34} = 22.2$  Cu. Yds.

Vol. Exc. =  $\frac{(33+28)25}{34} = 28.2$  Cu. Yds.  
Vol. Emb. =  $\frac{(19+12)25}{34} = 14.3$  Cu. Yds.

Vol. Exc. =  $\frac{(28+14)15}{34} = 39.4$  Cu. Yds.  
Vol. Emb. =  $\frac{(12+0)15}{34} = 3.3$  Cu. Yds.

Vol. Exc. =  $\frac{(14+14)25}{34} = 119.0$  Cu. Yd.

Vol. Exc. =  $\frac{(14+13)17}{34} = 86.3$  Cu. Yd.

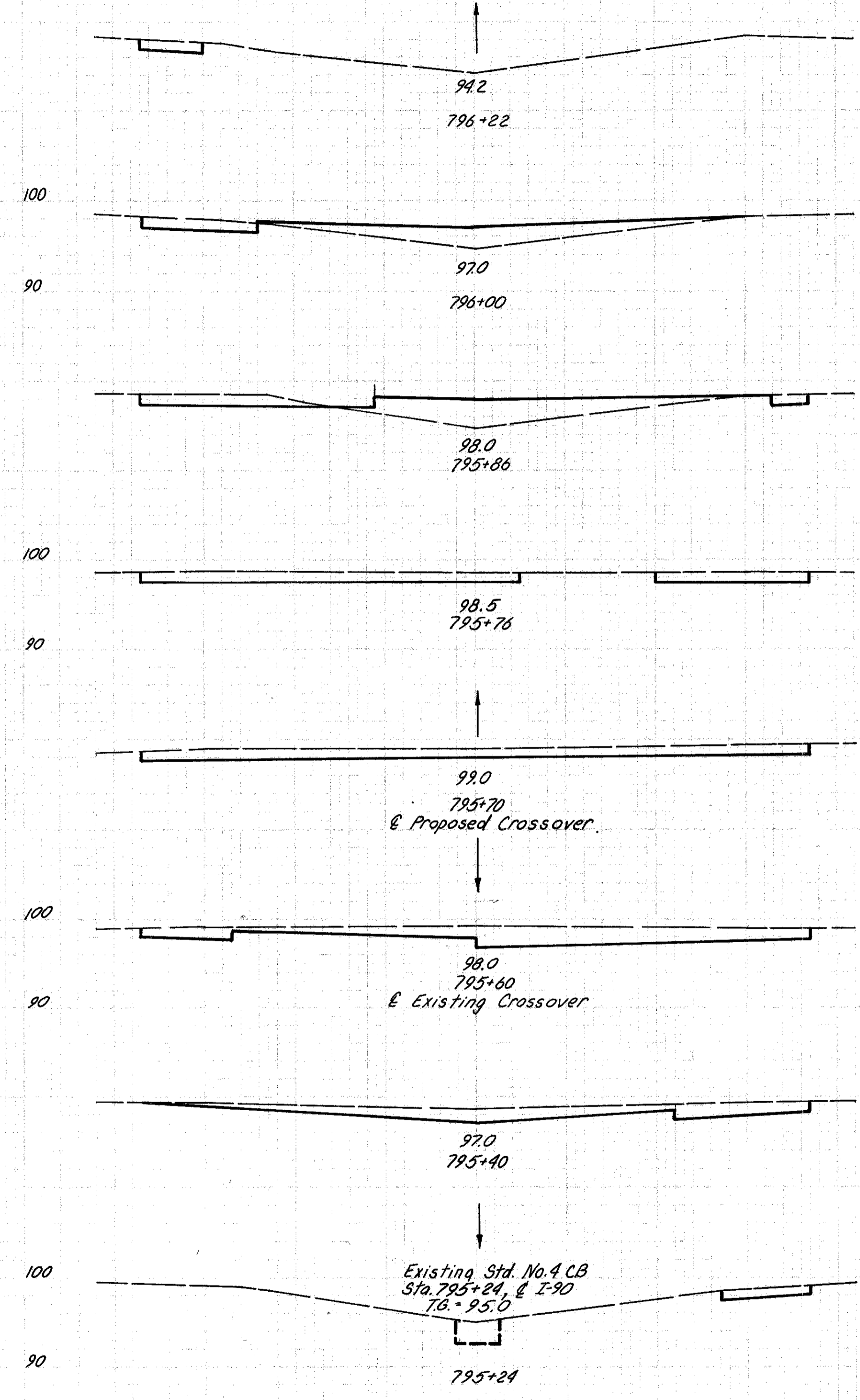
Vol. Exc. =  $\frac{(31+94)8}{34} = 33.3$  Cu. Yds.

Vol. Exc. =  $\frac{(94+0)12}{34} = 20.9$  Cu. Yds.

TOTAL VOLUME  
Excavation = 366 Cubic Yards  
Embankment = 72 Cubic Yards  
Seeding & Mulching = 733 Sq. Yds.  
24" Pipe Removal = 48 Lin. Ft.  
(For Plan View See Sheet 22.)

At Sta. 643+00, West Bound Lane, Left Edge of Pavement, Elevation = 100.00

Existing Std. No. 4 CB Sta. 643+48, 4' Lt. & I-90, T.G. = 94.7



Vol. Exc. =  $\frac{(0+7)13}{34} = 1.7$  Cu. Yds.

Vol. Exc. =  $\frac{(7+13)22}{34} = 8.1$  Cu. Yds.  
Vol. Emb. =  $\frac{(0+67)22}{34} = 27.3$  Cu. Yds.

Vol. Exc. =  $\frac{(13+28)14}{34} = 10.6$  Cu. Yds.  
Vol. Emb. =  $\frac{(67+77)14}{34} = 37.3$  Cu. Yds.

Vol. Exc. =  $\frac{(28+59)10}{34} = 16.1$  Cu. Yds.  
Vol. Emb. =  $\frac{(77+0)10}{34} = 14.3$  Cu. Yds.

Vol. Exc. =  $\frac{(59+74)6}{34} = 14.8$  Cu. Yds.

Vol. Exc. =  $\frac{(74+104)10}{34} = 33.0$  Cu. Yds.

Vol. Exc. =  $\frac{(104+77)22}{34} = 67.0$  Cu. Yds.

Vol. Exc. =  $\frac{(77+10)16}{34} = 25.7$  Cu. Yds.

Vol. Exc. =  $\frac{(10+0)24}{34} = 4.4$  Cu. Yds.

TOTAL VOLUME  
Excavation = 181 Cubic Yards  
Embankment = 79 Cubic Yards  
Seeding & Mulching = 330 Sq. Yds.  
(For Plan View See Sheet 25.)

At Sta. 795+00, West Bound Lane, Left Edge of Pavement, Elevation = 100.00

Match Existing Ground @ Sta. 795+00