

Vol. Emb. =  $\frac{(0+68)25}{54} = 31.5$  Cu. Yds.

Vol. Emb. =  $\frac{(68+30)12}{54} = 131.0$  Cu. Yds.

Vol. Emb. =  $\frac{(30+2)62}{54} = 36.7$  Cu. Yds.

Vol. Emb. =  $\frac{(2+0)5}{54} = 0.2$  Cu. Yds.

Vol. Exc. =  $\frac{(10+0)10}{54} = 1.8$  Cu. Yds.

Vol. Exc. =  $\frac{(10+4)73}{54} = 18.9$  Cu. Yds.

Vol. Emb. =  $\frac{(4+0)67}{54} = 5.0$  Cu. Yds.

Vol. Exc. =  $\frac{(0+33)100}{54} = 61.1$  Cu. Yds.

Vol. Exc. =  $\frac{(33+0)42}{54} = 28.7$  Cu. Yds.

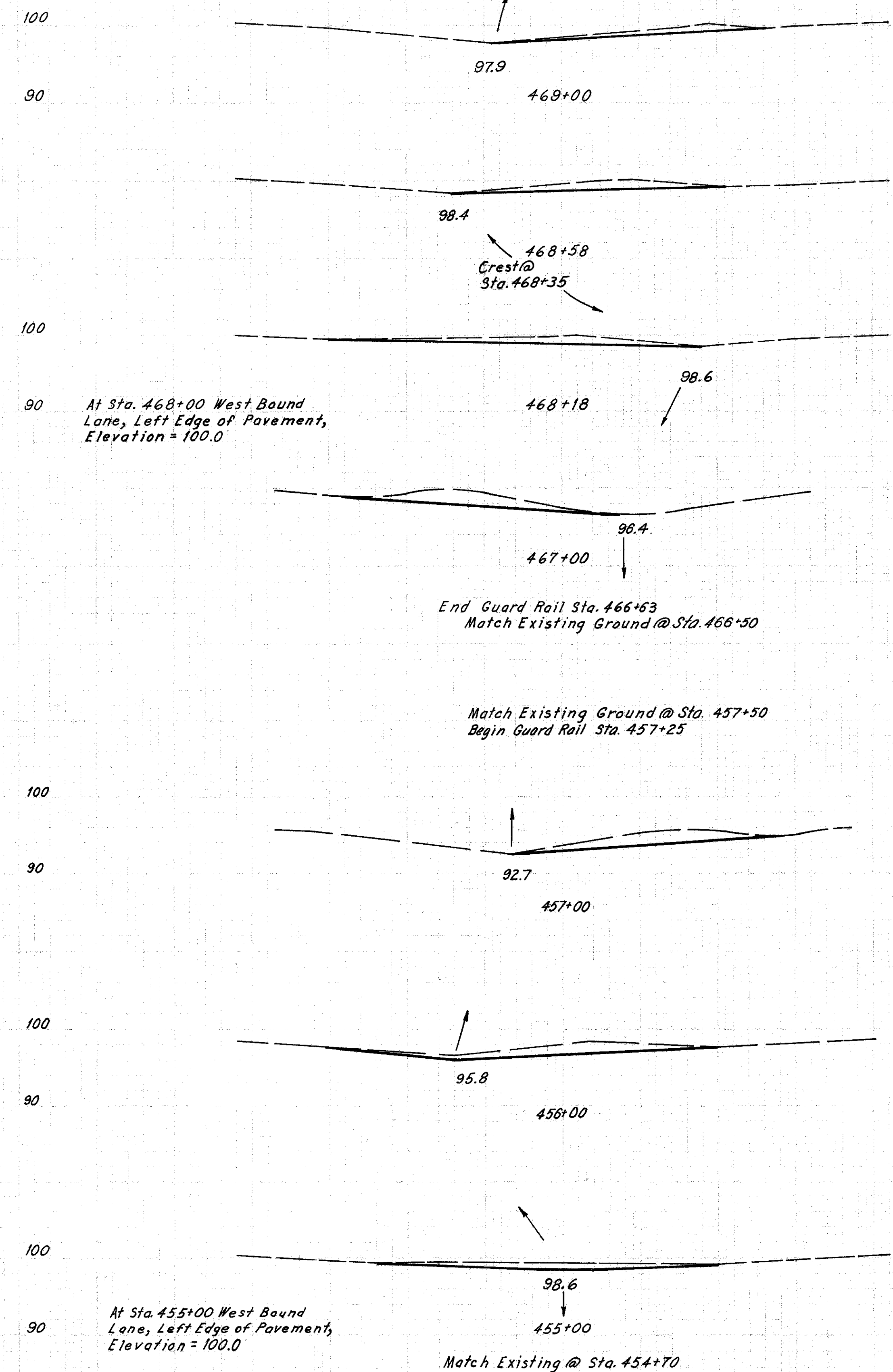
**TOTAL VOLUME**  
 \* Excavation = 101.8 Cubic Yards  
 Embankment = 225.1 Cubic Yards  
 Seeding & Mulching = 883.7 Sq. Yds.  
 (For Plan View See Sheets 18 & 19)

HOWARD, NEEDLES, TAMMEN & BERGENDOFF  
 CONSULTING ENGINEERS  
 KANSAS CITY CLEVELAND NEW YORK

**OLD SR 44**

QUANTITIES  
 Made: REM 4-20-72  
 Ckd: ERH 5-17-72

Match Existing @ Sta. 469+10



Vol. Exc. =  $\frac{(13+0)10}{54} = 2.4$  Cu. Yds.

Vol. Exc. =  $\frac{(23+13)42}{54} = 28.0$  Cu. Yds.

Vol. Exc. =  $\frac{(30+23)40}{54} = 39.3$  Cu. Yds.

Vol. Exc. =  $\frac{(30+33)118}{54} = 137.7$  Cu. Yds.

Vol. Exc. =  $\frac{(33+0)50}{54} = 30.6$  Cu. Yds.

Vol. Exc. =  $\frac{(0+4)50}{54} = 38.0$  Cu. Yds.

Vol. Exc. =  $\frac{(41+36)100}{54} = 142.6$  Cu. Yds.

Vol. Exc. =  $\frac{(36+24)100}{54} = 111.1$  Cu. Yds.

Vol. Exc. =  $\frac{(24+0)30}{54} = 13.3$  Cu. Yds.

**TOTAL VOLUME**  
 Excavation = 543.0 Cubic Yards  
 Embankment = 0  
 Seeding & Mulching = 2193.9 Sq. Yds.  
 (For Plan View See Sheet 19.)

FED. RD. DIVISION	STATE	PROJECT	75 III
5	OHIO		

LAKE COUNTY  
 LAK. - 90 - 3.56

**BIG CREEK**