

TRENCH EARTH

HEADWALLS

Outlet  
 $3.25m \times 1.675m \times 1.35m (d) = 7.3cm$

Inlet

$3.25 \times 1.675m \times 1.20m (d) = 6.5cm$

Curbs

From Outlet 0.15m  
 $\left[ \left( \frac{1.36}{2} \times 1.7 \right) + \left( \frac{1.18}{2} \times 1.1 \right) + \left( 1.5 \times 1.29 \right) + \left( \frac{1.48}{2} \times 1.6 \right) + \left( \frac{1.36}{2} \times 1.9 \right) \right] \times 2.2m = 52.3cm$

From Outlet Over 1.5m

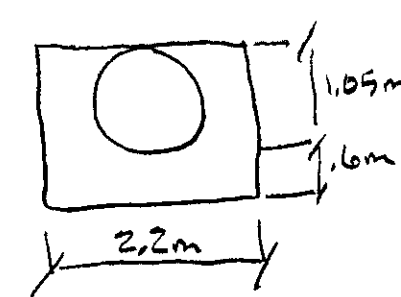
$\left[ \left( \frac{0.0+1.15}{2} \times 1.7 \right) + \left( \frac{1.15+1.75}{2} \times 4.8 \right) + \left( \frac{1.5+1.1}{2} \times 5 \right) + \left( \frac{1.1+0.0}{2} \times 1.4 \right) \right] \times 2.2m = 29.5cm \times 1.5 = 44.2cm$

Stone Fin @ Inlet (Exc)  $33.6 - (0.5m \times 3.25m \times 0.1) = 32.5cm$

Stone Fin @ Outlet (Exc)  $13.4 - (0.5m \times 3.25 \times 0.6) = 12.4cm$

1552 cm  
 WRF  
 12-11-06  
 SWS  
 1-19-7

GRAVITIC BACKFILL & STRUCTURES

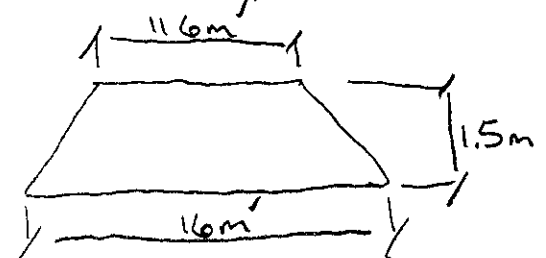


Curbs (Whoreen)  
 $0.6m \times 2.2m \times 1.92m = 25.3cm$

Headwalls (Whoreen)  
 $(0.6m \times 3.25 \times 1.675) \times 2 = 6.5cm$

Curbs  
 $1.05m \times 2.2m \times 1.92 = 44.4cm$   
 $\frac{44.4cm}{1.6m} = 27.75cm$

EARTH PARROW



$\frac{11.6+16.0}{2} \times 1.5 \times 2.2 = 45.54m$   
 $\frac{45.54m}{1.15} = 39.6cm$   
 $39.6cm \times 1.15 = 45.54cm$

WRF  
 01-29-07

WRF SWS  
 12-11-06 1-19-7  
 To B: 2, Pg 148

