

TRENCH EARTH  
 Stone Fill & Inlet (Excavation same as above) 6.7cm ✓  
 CULVERT  
 From Inlet 0-1.5m  

$$\left[ \left( \frac{0.0+0.6}{2} \times 3.9 \right) + \left( \frac{1.1+1.5}{2} \times 2.8 \right) + (1.5 \times 7.2) + \left( \frac{1.5+1.3}{2} \times 1.4 \right) + \left( \frac{1.3+0.3}{2} \times 4.6 \right) \right] \times 1.55 = 30.8 \text{ cm} ✓$$
  
 From Inlet Over 1.5m  

$$\left[ \left( \frac{0.0+0.5}{2} \times 6 \right) + \left( \frac{0.5+0.0}{2} \times 12 \right) \right] \times 1.55 \times 1.5 = 4.2 \text{ cm} ✓$$
  
 Stone Fill & Outlet 4.5 cm ✓  

$$\left[ \left( \frac{0.9+0.6}{2} \times 3.3 \right) \right] \times 1.8 \text{ m} = ?$$
  
 Uncovered 6m from Inlet 2.6 cm ✓  

$$5.7 \text{ m (L)} \times 1.55 \text{ m (W)} \times 0.3 \text{ m} = 48.8 \text{ cm} ✓$$
  
 Granular Backfill for Structures 15.8 cm ✓  

$$18.5 \text{ m (ave length)} \times 1.55 \text{ m (W)} \times 0.55 \text{ m} = ?$$
  
 Uncovered 2.6 cm ✓  

$$5.7 \text{ m (L)} \times 1.55 \text{ m (W)} \times 0.3 \text{ m (D)} = 18.4 \text{ cm} ✓$$

EARTH BORROW  

$$13.8 \text{ m (ave length)} \times 1.55 \text{ m (W)} \times 1.1 \text{ m (ave depth)} = 23.5 \times 1.15 = 27.0 \text{ cm}$$

WRF 5WS  
 12-15-06 1-23-7  
 T. B. 2A, P. 94

