

# Culvert Report

## EII Culvert

Invert Elev Dn (ft) = 1271.90  
 Pipe Length (ft) = 45.00  
 Slope (%) = 0.04  
 Invert Elev Up (ft) = 1271.92  
 Rise (in) = 24.0  
 Shape = EII  
 Span (in) = 38.0  
 No. Barrels = 1  
 n-Value = 0.024  
 Inlet Edge = Projecting  
 Coeff. K,M,c,Y,k = 0.0045, 2, 0.0317, 0.69, 0.5

### Embankment

Top Elevation (ft) = 1275.80  
 Top Width (ft) = 20.00  
 Crest Width (ft) = 40.00

### Calculations

Qmin (cfs) = 5.00  
 Qmax (cfs) = 40.00  
 Tailwater Elev (ft) = (dc+D)/2

### Highlighted

Qtotal (cfs) = 40.00  
 Qpipe (cfs) = 39.66  
 Qovertop (cfs) = 0.34  
 Veloc Dn (ft/s) = 7.97  
 Veloc Up (ft/s) = 7.97  
 HGL Dn (ft) = 1273.90  
 HGL Up (ft) = 1275.33  
 Hw Elev (ft) = 1275.83  
 Hw/D (ft) = 1.95  
 Flow Regime = Outlet Control

