

Culvert Report

Cir Culvert

Invert Elev Dn (ft) = 1266.97
 Pipe Length (ft) = 400.00
 Slope (%) = 0.08
 Invert Elev Up (ft) = 1267.29
 Rise (in) = 48.0
 Shape = Cir
 Span (in) = 48.0
 No. Barrels = 1
 n-Value = 0.013
 Inlet Edge = Mitered
 Coeff. K,M,c,Y,k = 0.021, 1.33, 0.0463, 0.75, 0.7

Embankment

Top Elevation (ft) = 1273.00
 Top Width (ft) = 100.00
 Crest Width (ft) = 10.00

Calculations

Qmin (cfs) = 10.00
 Qmax (cfs) = 150.00
 Tailwater Elev (ft) = (dc+D)/2

Highlighted

Qtotal (cfs) = 95.00
 Qpipe (cfs) = 95.00
 Qovertop (cfs) = 0.00
 Veloc Dn (ft/s) = 8.18
 Veloc Up (ft/s) = 7.56
 HGL Dn (ft) = 1270.45
 HGL Up (ft) = 1272.28
 Hw Elev (ft) = 1272.94
 Hw/D (ft) = 1.41
 Flow Regime = Inlet Control

