

Culvert Report

Hydraflow Express by Intelisolve

Friday, Mar 9 2007

Cir Culvert

Invert Elev Dn (ft) = 118.31
Pipe Length (ft) = 58.00
Slope (%) = 0.33
Invert Elev Up (ft) = 118.50
Rise (in) = 24.0
Shape = Cir
Span (in) = 24.0
No. Barrels = 1
n-Value = 0.023
Inlet Edge = Projecting
Coeff. K,M,c,Y,k = 0.0045, 2, 0.0317, 0.69, 0.5

Calculations

Qmin (cfs) = 1.00
Qmax (cfs) = 30.00
Tailwater Elev (ft) = (dc+D)/2

Highlighted

Qtotal (cfs) = 21.00
Qpipe (cfs) = 20.99
Qovertop (cfs) = 0.01
Veloc Dn (ft/s) = 6.99
Veloc Up (ft/s) = 6.68
HGL Dn (ft) = 120.13
HGL Up (ft) = 121.66
Hw Elev (ft) = 122.01
Hw/D (ft) = 1.75
Flow Regime = Outlet Control

Embankment

Top Elevation (ft) = 122.00
Top Width (ft) = 20.00
Crest Width (ft) = 50.00

