

Culvert Report

Hydraflow Express by Intelisolve

Friday, Mar 23 2007

DbI 36x48 HECMP - Levee

Invert Elev Dn (ft) = 1305.81
Pipe Length (ft) = 100.00
Slope (%) = 0.04
Invert Elev Up (ft) = 1305.85
Rise (in) = 36.0
Shape = Ell
Span (in) = 48.0
No. Barrels = 2
n-Value = 0.023
Inlet Edge = Projecting
Coeff. K,M,c,Y,k = 0.0045, 2, 0.0317, 0.69, 0.5

Embankment

Top Elevation (ft) = 1327.00
Top Width (ft) = 12.00
Crest Width (ft) = 500.00

Calculations

Qmin (cfs) = 300.00
Qmax (cfs) = 500.00
Tailwater Elev (ft) = (dc+D)/2

Highlighted

Qtotal (cfs) = 415.00
Qpipe (cfs) = 415.00
Qovertop (cfs) = 0.00
Veloc Dn (ft/s) = 22.02
Veloc Up (ft/s) = 22.02
HGL Dn (ft) = 1308.81
HGL Up (ft) = 1323.07
Hw Elev (ft) = 1326.84
Hw/D (ft) = 7.00
Flow Regime = Outlet Control

