

Culvert Report

Struct Under 13 St. North

Invert Elev Dn (ft) = 1342.02
Pipe Length (ft) = 36.00
Slope (%) = 0.50
Invert Elev Up (ft) = 1342.20
Rise (in) = 45.0
Shape = Ell
Span (in) = 60.0
No. Barrels = 3
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) = 1346.60
Top Width (ft) = 20.00
Crest Width (ft) = 1000.00

Calculations

Qmin (cfs) = 300.00
Qmax (cfs) = 350.00
Tailwater Elev (ft) = (dc+D)/2

Highlighted

Qtotal (cfs) = 325.00
Qpipe (cfs) = 325.00
Qovertop (cfs) = 0.00
Veloc Dn (ft/s) = 7.78
Veloc Up (ft/s) = 7.51
HGL Dn (ft) = 1345.30
HGL Up (ft) = 1345.76
Hw Elev (ft) = 1346.58
Hw/D (ft) = 1.17
Flow Regime = Inlet Control

