

Culvert Report

Box Culvert

Invert Elev Dn (m)	= 103.8000
Pipe Length (m)	= 128.0000
Slope (%)	= 0.5000
Invert Elev Up (m)	= 104.4400
Rise (mm)	= 3000.0
Shape	= Box
Span (mm)	= 6000.0
No. Barrels	= 2
n-Value	= 0.013
Culvert Type	= Flared Wingwalls
Culvert Entrance	= 0D wingwall flares
Coeff. K,M,c,Y,k	= 0.061, 0.75, 0.0423, 0.82, 0.7

Embankment

Top Elevation (m)	= 109.0000
Top Width (m)	= 100.0000
Crest Width (m)	= 100.0000

Calculations

Qmin (cms)	= 100.0000
Qmax (cms)	= 160.0000
Tailwater Elev (m)	= (dc+D)/2

Highlighted

Qtotal (cms)	= 130.0000
Qpipe (cms)	= 130.0000
Qovertop (cms)	= 0.0000
Veloc Dn (m/s)	= 4.1011
Veloc Up (m/s)	= 4.7450
HGL Dn (m)	= 106.4415
HGL Up (m)	= 106.7231
Hw Elev (m)	= 108.7022
Hw/D (m)	= 1.4207
Flow Regime	= Inlet Control

