

Channel Report

Hydraflow Express Extension for Autodesk® AutoCAD® Civil 3D® by Autodesk, Inc.

Thursday, Dec 21 2017

Bypass Ditch

Trapezoidal

Bottom Width (ft) = 6.00
Side Slopes (z:1) = 3.00, 3.00
Total Depth (ft) = 2.00
Invert Elev (ft) = 752.00
Slope (%) = 1.25
N-Value = 0.015

Calculations

Compute by: Q vs Depth
No. Increments = 20

Highlighted

Depth (ft) = 2.00
Q (cfs) = 314.53
Area (sqft) = 24.00
Velocity (ft/s) = 13.11
Wetted Perim (ft) = 18.65
Crit Depth, Yc (ft) = 2.00
Top Width (ft) = 18.00
EGL (ft) = 4.67

