

Channel Report

As-Built Trickle Pan to Forebay 'H' (Capacity = 1.23 cfs)

Rectangular

Bottom Width (ft) = 1.00
Total Depth (ft) = 0.50

Invert Elev (ft) = 71.54
Slope (%) = 0.25
N-Value = 0.012

Highlighted

Depth (ft) = 0.50
Q (cfs) = 1.228
Area (sqft) = 0.50
Velocity (ft/s) = 2.46
Wetted Perim (ft) = 2.00
Crit Depth, Yc (ft) = 0.37
Top Width (ft) = 1.00
EGL (ft) = 0.59

Calculations

Compute by: Known Depth
Known Depth (ft) = 0.50

Note:
Release from Forebay 'H' = 0.9cfs
2x Release = 1.8 cfs which is less than the capacity of the trickle channel (1.23 cfs).

