

Cross Section for Section C - 100 yr - Bright Angel Way STD. 60' R/W -

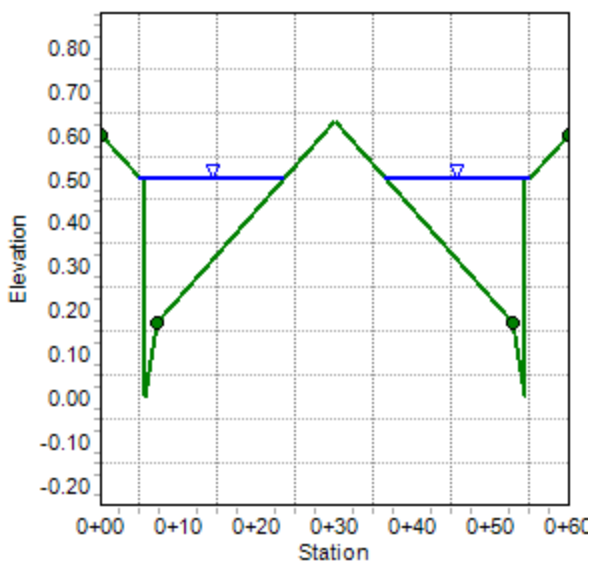
Project Description

Friction Method	Manning Formula
Solve For	Normal Depth

Input Data

Channel Slope	3.30	%
Normal Depth	0.50	ft
Discharge	37.00	ft ³ /s

Cross Section Image



Worksheet for Section C - 100 yr - Bright Angel Way STD. 60' R/W -

Results

Normal Depth		0.50	ft
Elevation Range	0.00 to 0.63 ft		
Flow Area		6.82	ft ²
Wetted Perimeter		38.70	ft
Hydraulic Radius		0.18	ft
Top Width		37.67	ft
Normal Depth		0.50	ft
Critical Depth		0.64	ft
Critical Slope		0.00596	ft/ft
Velocity		5.43	ft/s
Velocity Head		0.46	ft
Specific Energy		0.96	ft
Froude Number		2.25	
Flow Type	Supercritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.50	ft
Critical Depth	0.64	ft
Channel Slope	3.30	%
Critical Slope	0.00596	ft/ft