

## Cross Section for Section B - 100 yr - Michelli Crest STD. 60' R/W -

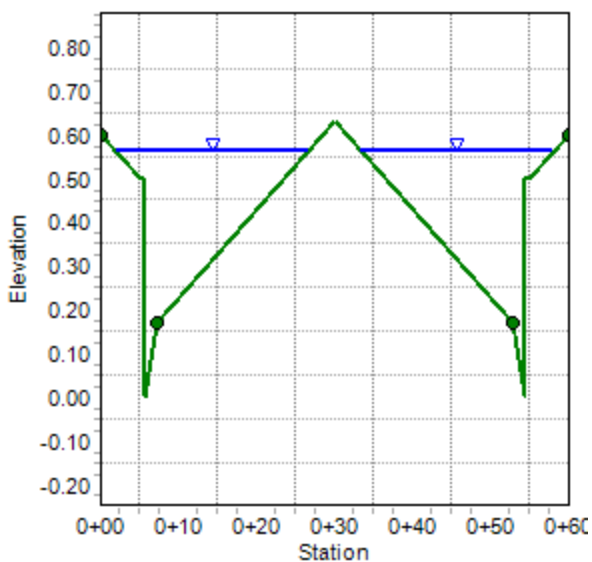
### Project Description

Friction Method	Manning Formula
Solve For	Normal Depth

### Input Data

Channel Slope	1.40	%
Normal Depth	0.56	ft
Discharge	35.00	ft <sup>3</sup> /s

### Cross Section Image



## Worksheet for Section B - 100 yr - Michelli Crest STD. 60' R/W -

### Project Description

Friction Method                      Manning Formula  
Solve For                              Normal Depth

### Input Data

Channel Slope    1.40    %  
Discharge    35.00    ft<sup>3</sup>/s  
Section Definitions

Station (ft)	Elevation (ft)
0+00.0	0.60
0+05.0	0.50
0+05.5	0.50
0+05.5	0.00
0+07.0	0.17
0+30.0	0.63
0+53.0	0.17
0+54.5	0.00
0+54.5	0.50
0+55.0	0.50
0+60.0	0.60

### Roughness Segment Definitions

Start Station & Elevation	End Station & Elevation	Roughness Coefficient
(0+00.0, 0.60)	(0+07.0, 0.17)	0.013
(0+07.0, 0.17)	(0+53.0, 0.17)	0.016
(0+53.0, 0.17)	(0+60.0, 0.60)	0.013

### Options

Current Roughness Weighted Method                      Pavlovskii's Method  
Open Channel Weighting Method                      Pavlovskii's Method  
Closed Channel Weighting Method                      Pavlovskii's Method

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### Results

Normal Depth		0.56	ft
Elevation Range	0.00 to 0.63 ft		
Flow Area		9.41	ft <sup>2</sup>
Wetted Perimeter		50.60	ft
Hydraulic Radius		0.19	ft
Top Width		49.57	ft
Normal Depth		0.56	ft
Critical Depth		0.63	ft
Critical Slope		0.00585	ft/ft
Velocity		3.72	ft/s
Velocity Head		0.21	ft
Specific Energy		0.78	ft
Froude Number		1.50	
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	0.56	ft
Critical Depth	0.63	ft
Channel Slope	1.40	%
Critical Slope	0.00585	ft/ft