

Example Project Irregular Channel

Input Parameters- English Units			Output Parameters- English Units	
Manning's N Value	0.01632		Water Surface Elevation	0.90 ft
Manning Method	Horton		Flow Area	33.05 sq.ft.
Channel Slope	0.01500 ft/ft		Wetted Perimeter	87.73 ft
Normal Depth	0.90 ft		Top Width	86.00 ft
Channel Discharge	192.14 cfs		Hydraulic Depth	0.384 ft
Solve For	Channel Discharge		Hydraulic Radius	0.377 ft
Channel Section- English Units			Channel Notes	
Station (ft)	Elevation (ft)	Start N-Value	<p><i>This irregular channel being a street cross section of 100 ft right-of-way with 2% cross fall and 14-ft wide median island.</i></p>	
0+00.00	3.00	0.01300		
<i>0+00.00: Left Overbank</i>				
0+00.00	0.60	0.01300		
<i>0+00.00: Back of sidewalk</i>				
0+05.00	0.50	0.01300		
<i>0+05.00: Back of curb</i>				
0+05.50	0.50	0.01300		
<i>0+05.50: Face of curb</i>				
0+05.50	0.00	0.01300		
<i>0+05.50: Gutter flowline</i>				
0+07.00	0.13	0.01700		
<i>0+07.00: Lip of gutter</i>				
0+07.00	0.17	0.01700		
<i>0+07.00: 1/2" inch asphalt lift</i>				
0+43.00	0.89	0.01300		
<i>0+43.00: Face of curb-bottom</i>				
0+43.00	1.39	0.01300		
<i>0+43.00: Face of curb-top</i>				
0+50.00	1.39	0.01300		
<i>0+50.00: Centerline</i>				

Horizontal Scale 1"=20 ft Vertical Scale: 1"=2 ft

Example Project Irregular Channel

Channel Section- English Units			Channel Notes
Station (ft)	Elevation (ft)	Start N-Value	
0+57.00	1.39	0.01300	
<i>0+57.00: Face of curb-top</i>			
0+57.00	0.89	0.01700	
<i>0+57.00: Face of curb-bottom</i>			
0+93.00	0.17	0.01700	
<i>0+93.00: 1/2" inch Asphalt Lift</i>			
0+93.00	0.13	0.01300	
<i>0+93.00: Lip of gutter</i>			
0+94.50	0.00	0.01300	
<i>0+94.50: Gutter flowline</i>			
0+94.50	0.50	0.01300	
<i>0+94.50: Face of curb</i>			
0+95.00	0.50	0.01300	
<i>0+95.00: Back of curb</i>			
1+00.00	0.60	0.01300	
<i>1+00.00: Back of sidewalk</i>			
1+00.00	3.00	0.01300	
<i>1+00.00: Right Overbank</i>			

