

Worksheet for Options 2 & 3 EB - Curb Opening

Project Description

Solve For Efficiency

Input Data

Discharge	5.29	ft ³ /s
Slope	0.00740	ft/ft
Gutter Width	2.00	ft
Gutter Cross Slope	0.016	ft/ft
Road Cross Slope	0.016	ft/ft
Roughness Coefficient	0.016	
Curb Opening Length	17.00	ft
Local Depression	2.00	in
Local Depression Width	2.00	ft

Results

Efficiency	91.68	%
Intercepted Flow	4.85	ft ³ /s
Bypass Flow	0.44	ft ³ /s
Spread	16.38	ft
Depth	0.26	ft
Flow Area	2.15	ft ²
Gutter Depression	0.00	ft
Total Depression	0.17	ft
Velocity	2.47	ft/s
Equivalent Cross Slope	0.04045	ft/ft
Length Factor	0.75	
Total Interception Length	22.71	ft