DITCH TYPE-0

ON SITE BARROW DITCH, TRAPIZOIDAL SECTION
Rating Table for Trapezoidal Channel

Project Description	
Project File	untitled.fm2
Worksheet	ON SITE BARROW DITCH (TRAP. SECTION)
Flow Element	Trapezoidal Channel
Method	Manning's Formula
Solve For	Discharge

Constant Data		
Mannings Coefficient	0.030	
Depth	1.50	ft
Left Side Slope	3.000000	H : V
Right Side Slope	3.000000	H : V
Bottom Width	0.00	ft

Input Data	Minimum	Maximum	Increment
Channel Slope	0.005000	0.040000	0.001000 ft/ft

Rating Table	
Channel Slope (ft/ft)	Discharge (cfs)
0.005000	18.84
0.006000	20.64
0.007000	22.29
0.008000	23.83
0.009000	25.28
0.010000	26.65
0.011000	27.95
0.012000	29.19
0.013000	30.38
0.014000	31.53
0.015000	32.63
0.016000	33.70
0.017000	34.74
0.018000	35.75
0.019000	36.73
0.020000	37.68
0.021000	38.61
0.022000	39.52
0.023000	40.41

DITCH TYPE-1

ON SITE BARROW DITCH, TRAPIZOIDAL SECTION
Rating Table for Trapezoidal Channel

Project Description	
Project File	untitled.fm2
Worksheet	ON SITE BARROW DITCH (TRAP. SECTION)
Flow Element	Trapezoidal Channel
Method	Manning's Formula
Solve For	Discharge

Constant Data		
Mannings Coefficient	0.030	
Depth	1.50	ft
Left Side Slope	3.000000	H : V
Right Side Slope	3.000000	H : V
Bottom Width	1.00	ft

Input Data	Minimum	Maximum	Increment
Channel Slope	0.005000	0.040000	0.001000 ft/ft

Rating Table	
Channel Slope (ft/ft)	Discharge (cfs)
0.005000	24.62
0.006000	26.97
0.007000	29.14
0.008000	31.15
0.009000	33.04
0.010000	34.82
0.011000	36.52
0.012000	38.15
0.013000	39.70
0.014000	41.20
0.015000	42.65
0.016000	44.05
0.017000	45.40
0.018000	46.72
0.019000	48.00
0.020000	49.25
0.021000	50.46
0.022000	51.65
0.023000	52.81

DITCH TYPE-2

ON SITE BARROW DITCH, TRAPIZOIDAL SECTION
Rating Table for Trapezoidal Channel

Project Description	
Project File	untitled.fm2
Worksheet	ON SITE BARROW DITCH (TRAP. SECTION)
Flow Element	Trapezoidal Channel
Method	Manning's Formula
Solve For	Discharge

Constant Data		
Mannings Coefficient	0.030	
Depth	1.50	ft
Left Side Slope	3.000000	H : V
Right Side Slope	3.000000	H : V
Bottom Width	2.00	ft

Input Data	Minimum	Maximum	Increment
Channel Slope	0.005000	0.040000	0.001000 ft/ft

Rating Table	
Channel Slope (ft/ft)	Discharge (cfs)
0.005000	30.61
0.006000	33.53
0.007000	36.22
0.008000	38.72
0.009000	41.07
0.010000	43.29
0.011000	45.41
0.012000	47.42
0.013000	49.36
0.014000	51.22
0.015000	53.02
0.016000	54.76
0.017000	56.45
0.018000	58.08
0.019000	59.67
0.020000	61.23
0.021000	62.74
0.022000	64.21
0.023000	65.66

DITCH TYPE-3

ON SITE BARROW DITCH, TRAPIZOIDAL SECTION
Rating Table for Trapezoidal Channel

Project Description	
Project File	untitled.fm2
Worksheet	ON SITE BARROW DITCH (TRAP. SECTION)
Flow Element	Trapezoidal Channel
Method	Manning's Formula
Solve For	Discharge

Constant Data		
Mannings Coefficient	0.030	
Depth	1.50	ft
Left Side Slope	3.000000	H : V
Right Side Slope	3.000000	H : V
Bottom Width	3.00	ft

Input Data	Minimum	Maximum	Increment
Channel Slope	0.005000	0.040000	0.001000 ft/ft

Rating Table	
Channel Slope (ft/ft)	Discharge (cfs)
0.005000	36.75
0.006000	40.26
0.007000	43.49
0.008000	46.49
0.009000	49.31
0.010000	51.98
0.011000	54.52
0.012000	56.94
0.013000	59.26
0.014000	61.50
0.015000	63.66
0.016000	65.75
0.017000	67.77
0.018000	69.74
0.019000	71.65
0.020000	73.51
0.021000	75.32
0.022000	77.10
0.023000	78.83

DITCH TYPE-4

ON SITE BARROW DITCH, TRAPIZOIDAL SECTION
Rating Table for Trapezoidal Channel

Project Description	
Project File	untitled.fm2
Worksheet	ON SITE BARROW DITCH (TRAP. SECTION)
Flow Element	Trapezoidal Channel
Method	Manning's Formula
Solve For	Discharge

Constant Data		
Mannings Coefficient	0.030	
Depth	1.50	ft
Left Side Slope	3.000000	H : V
Right Side Slope	3.000000	H : V
Bottom Width	4.00	ft

Input Data	Minimum	Maximum	Increment
Channel Slope	0.005000	0.040000	0.001000 ft/ft

Rating Table	
Channel Slope (ft/ft)	Discharge (cfs)
0.005000	43.01
0.006000	47.12
0.007000	50.89
0.008000	54.41
0.009000	57.71
0.010000	60.83
0.011000	63.80
0.012000	66.64
0.013000	69.36
0.014000	71.97
0.015000	74.50
0.016000	76.94
0.017000	79.31
0.018000	81.61
0.019000	83.85
0.020000	86.03
0.021000	88.15
0.022000	90.23
0.023000	92.25

DITCH TYPE-5

ON SITE BARROW DITCH, TRAPIZOIDAL SECTION
Rating Table for Trapezoidal Channel

Project Description	
Project File	untitled.fm2
Worksheet	ON SITE BARROW DITCH (TRAP. SECTION)
Flow Element	Trapezoidal Channel
Method	Manning's Formula
Solve For	Discharge

Constant Data		
Mannings Coefficient	0.030	
Depth	1.50	ft
Left Side Slope	3.000000	H : V
Right Side Slope	3.000000	H : V
Bottom Width	5.00	ft

Input Data	Minimum	Maximum	Increment
Channel Slope	0.005000	0.040000	0.001000 ft/ft

Rating Table	
Channel Slope (ft/ft)	Discharge (cfs)
0.005000	49.36
0.006000	54.07
0.007000	58.41
0.008000	62.44
0.009000	66.23
0.010000	69.81
0.011000	73.22
0.012000	76.47
0.013000	79.60
0.014000	82.60
0.015000	85.50
0.016000	88.30
0.017000	91.02
0.018000	93.66
0.019000	96.23
0.020000	98.73
0.021000	101.16
0.022000	103.54
0.023000	105.87

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CITY OF RIFLE
SOUTH RIFLE DRAINAGE

NUMBER	REVISION	DATE	BY

Figure 7-2
Rifle Business Park
Drainage Plan

Job No.	99055a-313		4
Drawn by:	jss		
Date:	AUGUST 2005		OF 4
QC:	PE: JSS		
File:	99055A-313BM		

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