Horsley & Witten, Inc.

Environmental Services

www.horsleywitten.com

Diversion Manhole Sizing

From HydroCAD: 12" RCP, n = 0.013, L = 195', S = 0.0054

Pipe Capacity = 2.61 cfs
Inflow from "The Village" = 1.07cfs
Used 1.10 cfs

Sizing of Overflow Structure				
Peak	Discharge	1.1	cfs	
		C=	0.75	
		A=	0.29	ft^2
		g=	62.40	ft/s ²
		h=	0.20	ft
			2.40	in
		r=	0.30	ft
			3.62	in
		d=	7.24	in
		use	8.00	in

Structure/Pipe Schedule

Project: Marion Wharf

Project No: 5022

Calculated By: TW
Checked By: CW

Sheet: _5_ of _5_

Date: 05/13/05

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