

Pipe Analysis Calculation Summary

Flint Fields Subdivision

3/24/2016 3784-64

Water Shed Calculations

	Area	C-Value	L	Tc	Intensity10	Intensity 100	Q10	Q100
Roadway	6,120	0.80	176.00	20.10	0.93	2.34	0.10	0.26
Basin1	537,592	0.32	826.00	41.32	0.93	2.34	3.62	9.10

Total 12.48 Acres

Pipe Calculations

Label	RCP Pipe Size (Inches)	Section Shape	Min. Slope	Total System Flow (10YR)	Total System Flow (100YR)	Pipe Capacity Flow (10YR)	Adequate Pipe Size (10YR)?
P1	18	Circular	1.00	3.62	9.10	10.53	YES

Note: Excess Flow from 100 year Storm (1.65 CFS Flows Over Curb into Basin)