

Cycle Time & Wet Well Geometry

John Street Feasibility Design Analysis Report

Target Cycles Per Hour		
ADF	=	2025 gpm
Pumping Rate	=	4039 gpm
Time	=	30.0 min.
Cycles Per Hour =		2.0
Check Cycles Per Hour:		OK
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Determine Wet well Diameter		
Required Volume =	30294	Gallons
Pick Wet Well Diameter =	15.0	Ft
Pick Wet Well Cycle =	1.0	Vert. Ft
Volume in Cycle =	1322	Gallons

Determine Wet Well Invert & Float Elevations

Wet well Dia. =		15.0	Ft
Top Elev=	4946.50		
Gnd Elev=	4946.00		
SS Invert In=	4938.00		
			Alarm = 4936.00
			Lag On = 4935.00
			Lead On = 4934.00
			Pumps Off 4933.00
		PUMP	
Bottom Invert Elev* =	4931.00		

*As required for complete submergence

OK