Station Operation Check

John Street Feasibility Design Analysis Report

Proposed Operational Point No.1

4039.2	GPM @	25	TDH

Check Wet well Cycle Times

Wet well Diameter (feet)	Wet well Area (gal / VF)	Wet well Cycle (ft)	Wet well Volume (gal)
15.0	1321	1.0	30294

$$\text{Fill} = \frac{\text{Wet well Volume}}{\text{ADF}} = 15.0 \text{ minutes}$$

$$\text{Run} = \frac{\text{Wet well Volume}}{\text{Pump Rate - ADF}} = 15.0 \text{ minutes}$$

Total = 30.0 minutes

Cycle Time = 2.0 Cycles / Hour

Meets Minimum Cycle Time? **OK**

Meets Maximum Cycle Time? **OK**

Station Operation Check

Proposed Operational Point No. 2

| 4039.2 | GPM @ | 25 | TDH |

Check Wet well Cycle Times

Wet well Diameter (feet)	Wet well Area (gal / VF)	Wet well Cycle (ft)	Wet well Volume (gal)
15.0	1321	1.0	30294

$$\text{Fill} = \frac{\text{Wet well Volume}}{\text{ADF}} = 15.0 \text{ minutes}$$

$$\text{Run} = \frac{\text{Wet well Volume}}{\text{Pump Rate - ADF}} = 15.0 \text{ minutes}$$

Total = 30.0 minutes

Cycle Time = 2.0 Cycles / Hour

Meets Minimum Cycle Time? **OK**

Meets Maximum Cycle Time? **OK**