

DESIGN CRITERIA

FLOW RATE

Peak Inflow:	389	GPM
Pumping Rate:	389	GPM (of single pump)
Static Head:	46.5	Feet
TDH:	54.5	Feet
TDH Calcs:	RU Calcs	

RIM: **81.52**

FINISH GRADE: **81.50**

ACTIVE VOLUME

Max Pump Starts:	10.00	Starts/Hr
Cycle Time:	6.00	Minutes
Active Volume:	583.50	Gallons
Active Volume:	78.01	Cu Feet
Well Shape:	Round	
Well Diameter:	6	Feet
Well Dimensions:	N/A	N/A
Cross-Section Area:	28.27	Sq Feet
Min. Depth Required:	2.76	Feet
Active Depth:	3.00	Feet

DISCHARGE C.L.: **83.50**

STORAGE VOLUME (if required)

Time:		Minutes
Flow Rate:		GPM
Volume:	0.00	Gallons
Volume:	0.00	Cu. Feet
Min. Depth Required:	0.00	Feet
Storage Depth:		Feet

INVERT: **70.01**

HIGH LEVEL: **69.00**

LAG START: **68.50**

LEAD START: **68.00**

PUMP STOP: **65.00**

ON-SITE POWER

Power: **480V / 3-Phase**

FORCE MAIN

FM Info:	New	
Length:	50	Feet
FM Discharge:	111.50	Feet
FM High Point:	111.50	Feet

SUMP: **63.50**

BASE: **63.33**

(1) (2) (3)

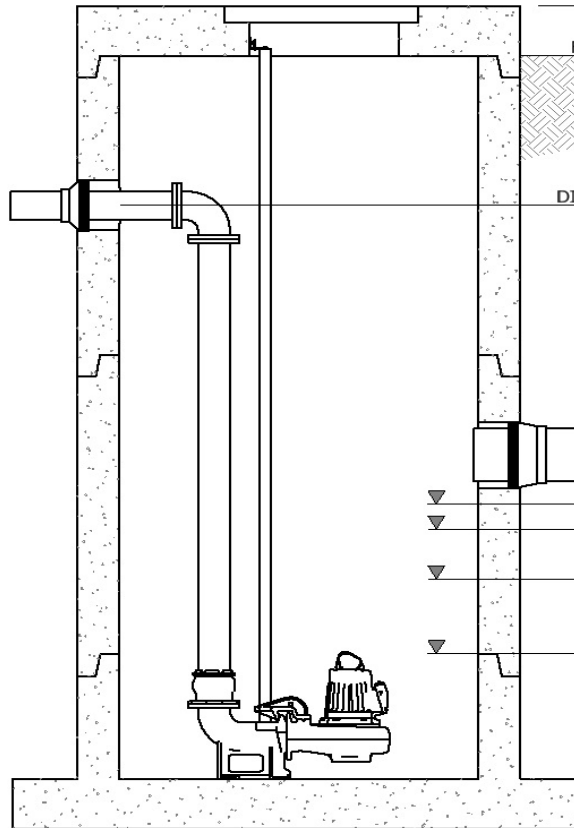
Nominal ID: **4"**

Type/Rating: **Ductile Iron CL53**

INFLUENT PIPING

Influent Invert:	70.01	
Influent Size:	12"	
Type:	Unknown	

(1) (2) (3)



Note: Image is a preliminary representation of the pumping system. Elevations shown are the primary factors used for sizing the wet well. Backup levels not shown. Additional (or fewer) level settings may be required.