

PROJECT INFO

Job Name:	IHS DAVIS SYSTEM (215 GPM)
Company:	
Contact:	
Job Type:	New Station
Water Type/Source:	Stormwater
Import/Domestic:	Buy America



PACKAGE/STARTUP

Offering:	Complete System
Mechanical:	All by Romtec Utilities
Pumps:	By Romtec Utilities
Control Panel:	By Romtec Utilities
Generator:	N/A
Advisor/Startup:	Mechanical & Electrical
Turnkey:	No

DESIGN CRITERIA - SWC5D-0M-D0030-200x20-3D-43-0

FLOW RATE

Peak Inflow:	215	GPM
Pumping Rate:	215	GPM (of single pump)
Static Head:	10.9	Feet
TDH:	18.6	Feet
TDH Calcs:	RU Calcs	

ACTIVE VOLUME

Max Pump Starts:	10.00	Starts/Hr
Cycle Time:	6.00	Minutes
Active Volume:	322.50	Gallons
Active Volume:	43.11	Cu Feet
Well Shape:	Round	
Well Diameter:	5	Feet
Well Dimensions:	N/A	N/A
Cross-Section Area:	19.63	Sq Feet
Min. Depth Required:	2.20	Feet
Active Depth:	2.20	Feet

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

ON-SITE POWER

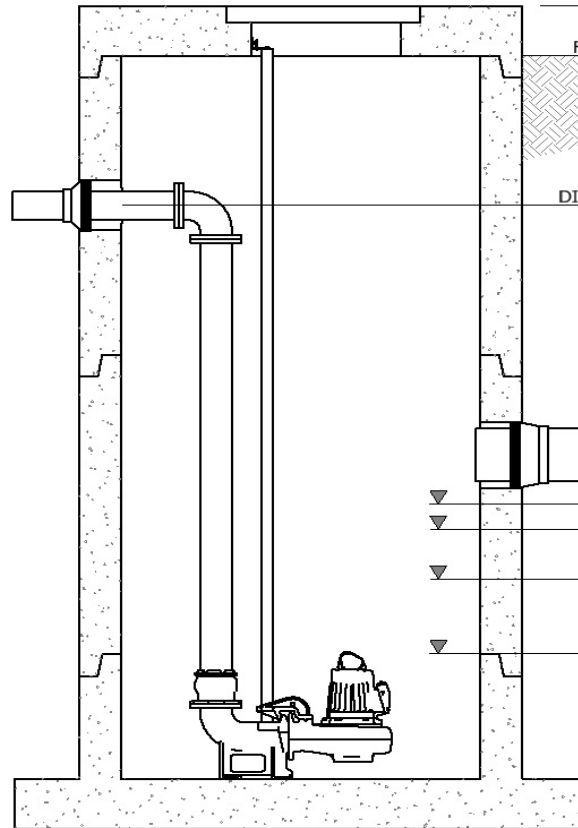
Power:	480V / 3-Phase
--------	-----------------------

FORCE MAIN

FM Info:	New	Single FM	
Length:	65	5	
FM Discharge:	102.30	Feet	
FM High Point:	102.00	Feet	
Nominal ID:	4"	6"	(3)
Type/Rating:	PVC C900 DR18		

INFLUENT PIPING

Influent Invert:	94	(2)	(3)
Influent Size:	8"		
Type:	PVC (IPS)		



RIM:	105.00
FINISH GRADE:	104.00
DISCHARGE C.L.:	102.00
INVERT:	94.00
HIGH LEVEL:	102.60
LAG START:	94.60
LEAD START:	93.60
PUMP STOP:	91.40
SUMP:	89.40
BASE:	88.40

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.