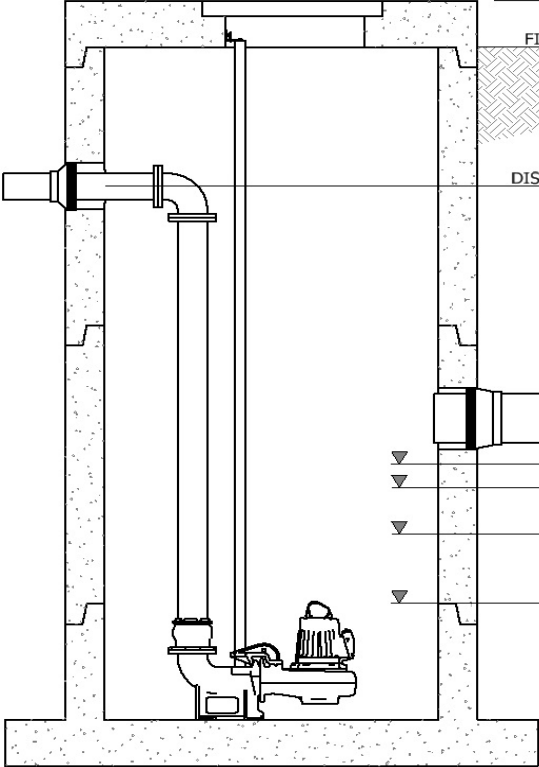


PROJECT INFO			PACKAGE/STARTUP	
Job Name:	McCormick Village Lift Station		Offering:	Complete System
Company:	GFK Consulting		Mechanical:	All by Romtec Utilities
Contact:	Greg Krabbe		Pumps:	By Romtec Utilities
Job Type:	New Station		Control Panel:	By Romtec Utilities
Water Type/Source:	Wastewater (Sewage)		Generator:	By Romtec Utilities
Import/Domestic:	Import Acceptable	Advisor/Startup:	Mechanical & Electrical	
		Turnkey:	No	

DESIGN CRITERIA - WWC8D-VM-D0150-200x90-4D-43-DPBG

FLOW RATE			RIM:	385.07
Peak Inflow:	77.5 GPM		FINISH GRADE:	385.07
Pumping Rate:	154 GPM (of single pump)		DISCHARGE C.L.:	381.00
Static Head:	48.6 Feet			
TDH:	93.5 Feet			
TDH Calcs:	RU Calcs			
ACTIVE VOLUME				
Max Pump Starts:	2.50 Starts/Hr		INVERT:	372.33
Cycle Time:	24.00 Minutes		HIGH LEVEL:	370.57
Active Volume:	924.00 Gallons		LAG START:	370.07
Active Volume:	123.53 Cu Feet	LEAD START:	369.57	
Well Shape:	Round			
Well Diameter:	8 Feet	PUMP STOP:	367.07	
Well Dimensions:	N/A N/A			
Cross-Section Area:	50.27 Sq Feet	SUMP:	363.57	
Min. Depth Required:	2.46 Feet	BASE:	362.40	
Active Depth:	2.50 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:	1800 Feet			
FM Discharge:	415.71 Feet			
FM High Point:	415.71 Feet			
	(1) (2) (3)			
Nominal ID:	4"			
Type/Rating:	HDPE DR11 (IPS)			
INFLUENT PIPING				
Influent Invert:	372.33			
Influent Size:	8"			
Type:				

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.

General Specification

A. The package pump station supplier of the sewer lift station shall be Romtec Utilities. The package pump station supplier shall design and draw the complete lift station including the wet well structure and associated piping and valves along with the control panel and the associated schematics.

B. The package pump station supplier shall be solely responsible for proper prefabrication, integration, supply, performance, and warranty of all package pump station components delineated in this specification and on the drawings, which shall be used as a guide of the minimum product specifications that shall be met.

C. The package pump station supplier work shall include designing and supplying the piping, mechanical, and appurtenances within and adjacent to the wet well as a complete, predesigned, packaged pump station as described herein.

D. The drawings shall be of sufficient detail for the Engineer to review for conformity to the contract. All drawings shall include elevations on the same datum point as in the contract plans.

E. Romtec Utilities will manufacture and deliver the pump station as described below to the job site for the contractor. A representative of Romtec Utilities will be present the day of the underground installation.

F. The package pump station supplier is responsible for overseeing all start-up, testing and training procedures.