

PROJECT INFO

Job Name: **Helo Maintenance Facility**
 Company:
 Contact:
 Job Type: **New Station**
 Water Type/Source: **Wastewater (Sewage)**
 Import/Domestic:


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:

DESIGN CRITERIA - WW4D-VM-D0010-50x70-2P-43-0
FLOW RATE

Peak Inflow: **52** GPM
 Pumping Rate: **52** GPM (of single pump)
 Static Head: **8.7** Feet
 TDH: **69.0** Feet
 TDH Calcs: **RU Calcs**

ACTIVE VOLUME

Max Pump Starts: **10.00** Starts/Hr
 Cycle Time: **6.00** Minutes
 Active Volume: **78.00** Gallons
 Active Volume: **10.43** Cu Feet
 Well Shape: **Round**
 Well Diameter: **4** Feet
 Well Dimensions: **N/A** **N/A**
 Cross-Section Area: **12.57** Sq Feet
 Min. Depth Required: **0.83** Feet
 Active Depth: **0.90** Feet

STORAGE VOLUME (if required)

Time: **60.00** Minutes
 Flow Rate: **30** GPM
 Volume: **1800.00** Gallons
 Volume: **240.64** Cu. Feet
 Min. Depth Required: **19.15** Feet
 Storage Depth:

ON-SITE POWER

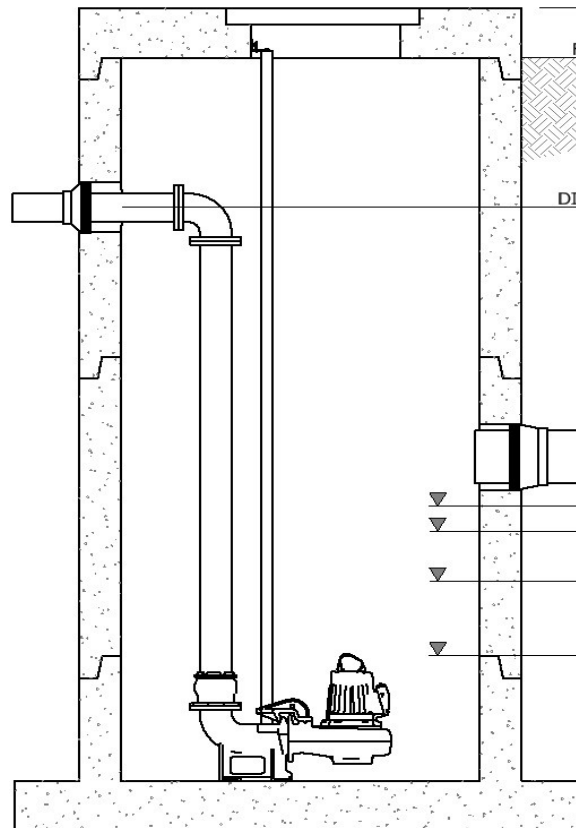
Power: **480V / 3-Phase**

FORCE MAIN

FM Info: **New** **Single FM**
 Length: **7571.11**
 FM Discharge: **6238.06** Feet
 FM High Point: **6294.00** Feet
 (1) (2) (3)
 Nominal ID: **3"**
 Type/Rating: **HDPE DR17 (IPS)**

INFLUENT PIPING

(1) (2) (3)
 Influent Invert: **6288.25** **6287.5**
 Influent Size: **8"**
 Type: **PVC (IPS)**



RIM: **6298.30**

FINISH GRADE: **6298.30**

DISCHARGE C.L.: **6294.00**

INVERT: **6287.50**

HIGH LEVEL: **6287.22**

LAG START: **6286.72**

LEAD START: **6286.22**

PUMP STOP: **6285.32**

SUMP: **6283.57**

BASE: **6282.57**

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

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