| PROJECT INFO | |
|---|---|
| Job Name: | **Portside Phase 3** |
| Company: | **Perlo Construction** |
| Contact: | **Chris McInroe** |
| Job Type: | **New Station** |
| Water Type/Source: | **Wastewater (Sewage)** |
| Import/Domestic: | **Import Acceptable** |

| 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

### FLOW RATE

| | | |
|---|---|---|
| Peak Inflow: | **80** | GPM |
| Pumping Rate: | **100** | GPM (of single pump) |
| Static Head: | **5.9** | Feet |
| TDH: | **22.0** | Feet |
| TDH Calcs: | **RU Calcs** | |

### ACTIVE VOLUME

| | | |
|---|---|---|
| Max Pump Starts: | **10.00** | Starts/Hr |
| Cycle Time: | **6.00** | Minutes |
| Active Volume: | **150.00** | Gallons |
| Active Volume: | **20.05** | 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: | **1.02** | Feet |
| Active Depth: | **1.00** | 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

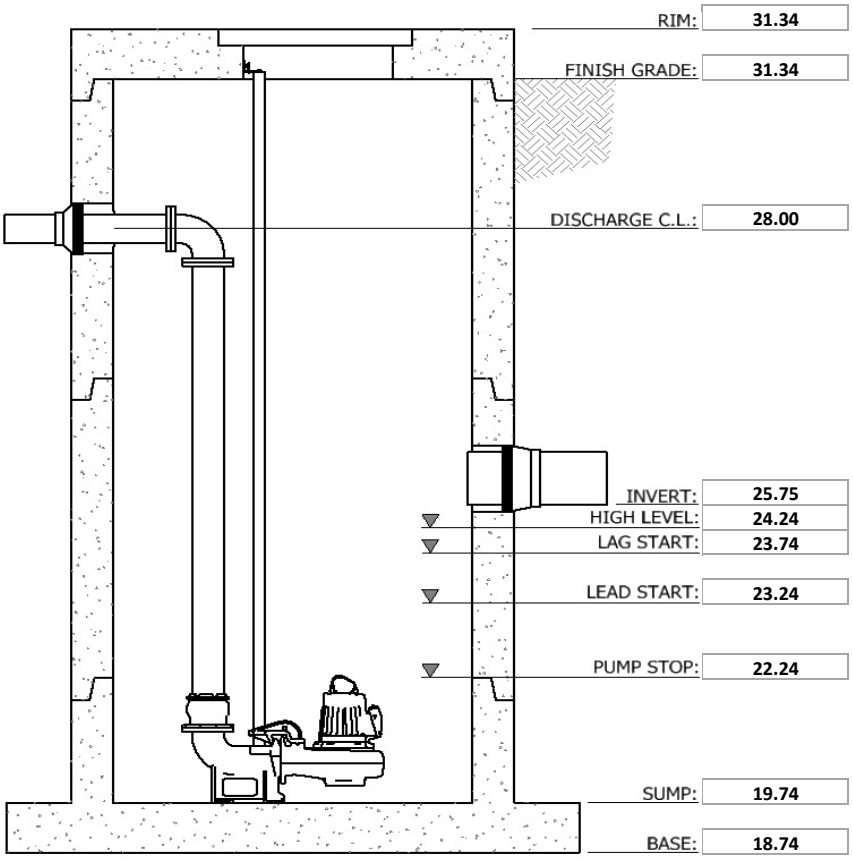
| | |
|---|---|
| Power: | **480V / 3-Phase** |

### FORCE MAIN

| | | | |
|---|---|---|---|
| FM Info: | **New** | **Single FM** | |
| Length: | **587** | Feet | |
| FM Discharge: | **28.15** | Feet | |
| FM High Point: | **28.15** | Feet | |
| | *(1)* | *(2)* | *(3)* |
| Nominal ID: | **3"** | | |
| Type/Rating: | **HDPE (Assumed DR 17 IPS)** | | |

### INFLUENT PIPING

| | *(1)* | *(2)* | *(3)* |
|---|---|---|---|
| Influent Invert: | **25.75** | | |
| Influent Size: | **6"** | | |
| Type: | **PVC (IPS)** | | |




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.