

PROJECT INFO

Job Name:	Roskeller Industrial Park 4.5CFS
Company:	Kimley Horn
Contact:	Joshua Bielik
Job Type:	New Station
Water Type/Source:	Stormwater
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 - SWC8D-00-D0100-1000x10-8D-43-0

FLOW RATE

Peak Inflow:	2020	GPM
Pumping Rate:	1010	GPM (of single pump)
Static Head:	10.7	Feet
TDH:	14.4	Feet
TDH Calcs:	RU Calcs	

ACTIVE VOLUME

Max Pump Starts:	10.00	Starts/Hr
Cycle Time:	6.00	Minutes
Active Volume:	1515.00	Gallons
Active Volume:	202.53	Cu Feet
Well Shape:	Round	
Well Diameter:	8	Feet
Well Dimensions:	N/A	N/A
Cross-Section Area:	78.54	Sq Feet
Min. Depth Required:	2.58	Feet
Active Depth:	2.60	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

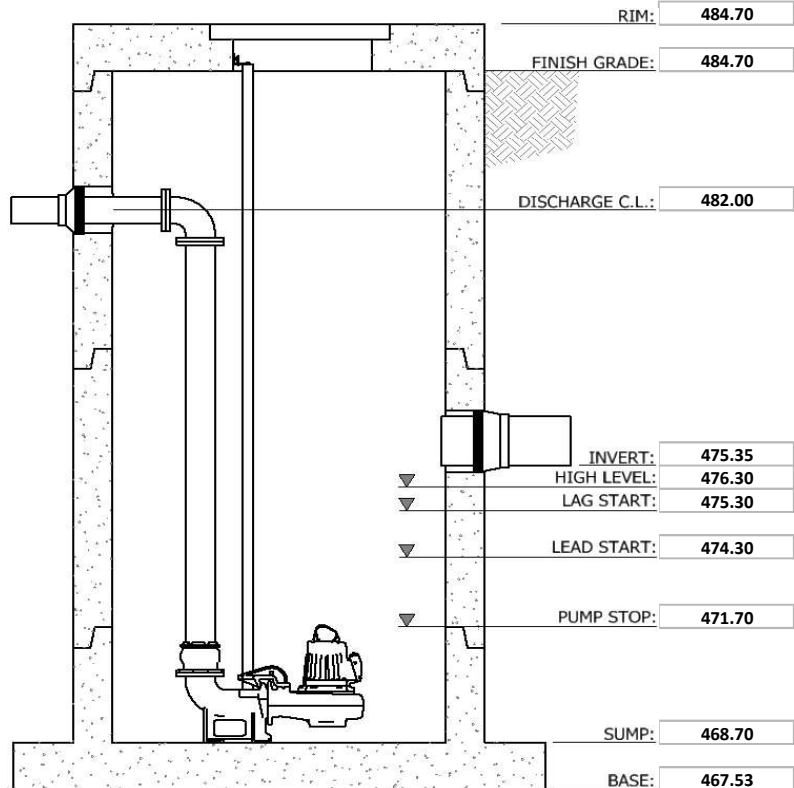
Power:	480V / 3-Phase
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FORCE MAIN

FM Info:	New	Dual FM
Length:	25	Feet
FM Discharge:	482.35	Feet
FM High Point:	482.35	Feet
	(1)	(2) (3)
Nominal ID:	8"	
Type/Rating:	HDPE (DR13.5 IPS?)	

INFLUENT PIPING

Influent Invert:	475.35	(1)	(2)	(3)
Influent Size:	12"			
Type:	HDPE (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.