

FOR CONSTRUCTION



SITE ADDRESS

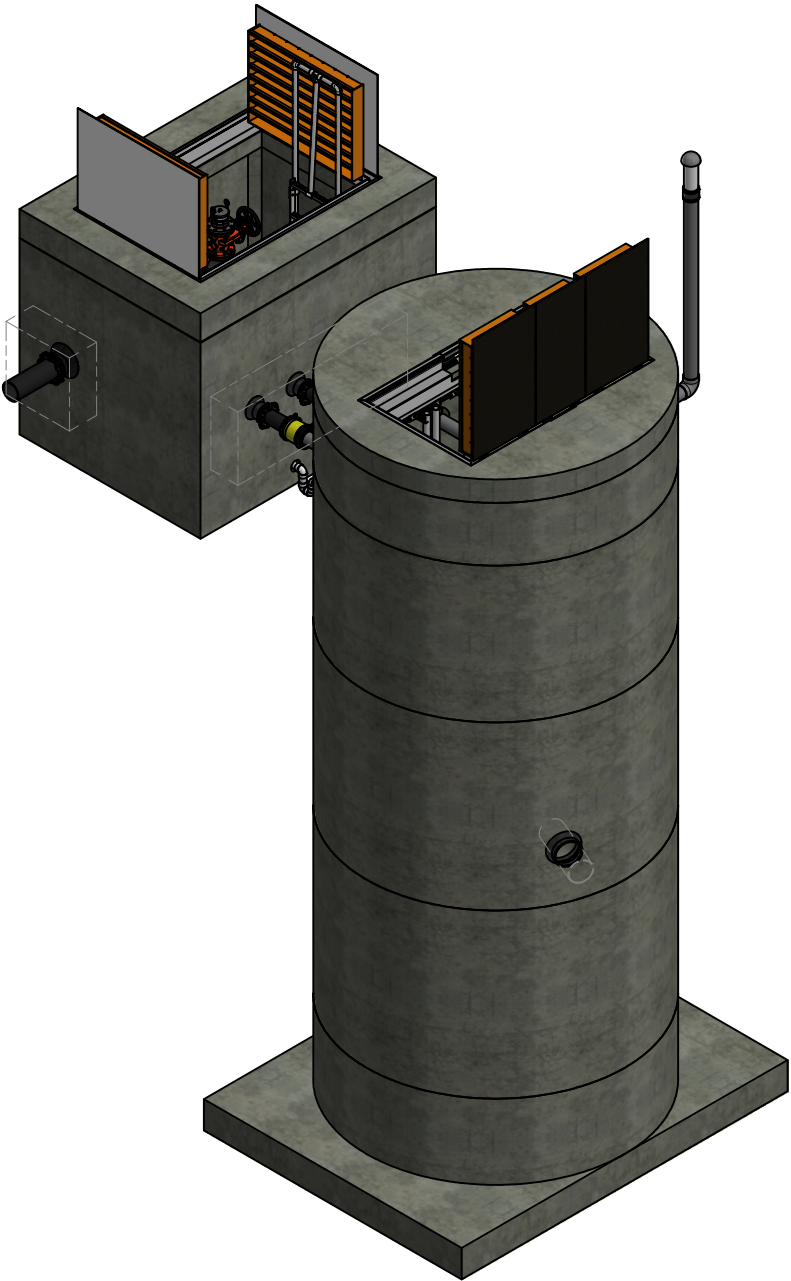
6135 ANDERSON MILL RD.
MOORE, SC



© 2026 ROMTEC INC. ALL RIGHTS RESERVED.
THESE PLANS AND DRAWINGS MAY NOT BE
REPRODUCED, ADAPTED, OR FURTHER
DISTRIBUTED, AND NO COMPONENTS MAY BE
CONSTRUCTED FROM THESE PLANS, WITHOUT
WRITTEN PERMISSION OF ROMTEC, INC.

**KEURIG DR. PEPPER - PS PUMP1
MOORE, SC**

SHEET INDEX	
SHEET	DESCRIPTION
G-01	TITLE SHEET
G-02	GENERAL NOTES
C-01	SITE LAYOUT
M-01	SYSTEM DRAWING
M-02	WET WELL DETAILS
M-03	VALVE VAULT DETAILS
J-01	EXTERIOR COATING
J-02	JOINT SEALING DETAIL
E-01	ELECTRICAL SYSTEM OVERVIEW
E-02	ONE LINE DIAGRAM
E-03	CONTROL PANEL ENCLOSURE LAYOUT
E-04	ELECTRICAL NOTES
E-05	ELECTRICAL NOTES



PUMP STATION DESIGN CRITERIA						
PEAK INFLOW (GPM)	INFLUENT DEPTH (FT)	FORCE MAIN DIA. (IN)	FORCE MAIN LENGTH (FT)	FORCE MAIN TYPE	STATIC HEAD (FT)	TDH (FT)
150	12.32	6	31	CPVC SCH80	37.2	38.91

*NORMAL PEAK INFLOW. STATION WILL ALSO ACCOMMODATE TEMPORARY PEAK FLOWS OF 336 GPM FOR 6 MINUTES BY INCLUDING 1800 GALLONS OF STORAGE.

PUMP STATION CONFIGURATION							
CONFIGURATION	DUTY PUMPS	STANDBY PUMPS	PUMP MODEL	PUMP HP	RATED FLOW (GPM)	RATED TDH (FT)	SYSTEM CAPACITY (GPM)
TRIPLEX	1	2	KEEN K4RNX	7.5 HP	151	38.93	151

ELECTRICAL INFORMATION					
SYSTEM VOLTAGE	FLA	CONTROLLER	ENCLOSURE	TERMINATION	BACKUP SYSTEMS
480V, 3PH	22.94	PC3000XC	NEMA 4	DIRECT	N/A

SEE THE ELEVATIONS ON THE SYSTEM DRAWINGS (SHEET M-01) FOR REVIEW AND CONFIRMATION.

Pump Data Sheet - Keen Pump Inc.

Company: ROMTEC UTILITIES
Name: KEURIG DR. PEPPER - PS PUMP 1
Date: 08/11/2026



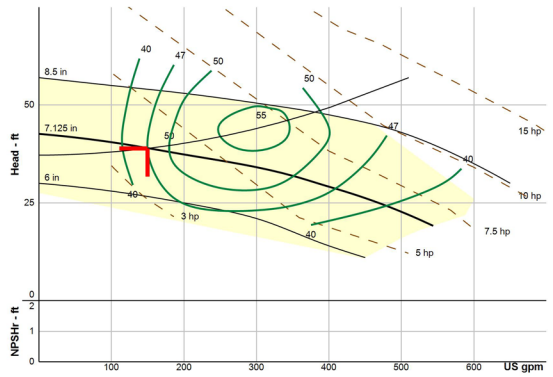
Pump:			Fluid:		
Size:	K4RN	<u>Dimensions:</u>	Name:	Water	
Synch Speed:	Submersible Sewage	Suction:	SG:	1	Vapor Pressure: 0.256 psi a
Syncn Speed:	1800 rpm	Discharge:	Density:	62.4 lb/ft ³	Atm Pressure: 14.7 psi a
Dia:	7.125 in		Viscosity:	1.1 cP	
Curve:	---		Temperature:	60 °F	Margin Ratio: 1

Search Criteria:			
Flow:	150 US gpm	Near Miss:	---
Head:	38.91 ft	Static Head:	37.2 ft

Flow:	150 US gpm	Near Miss:	---	Motor:			
Head:	38.91 ft	Static Head:	37.2 ft	Standard:	NEMA	Size:	7.5 hp
				Enclosure:	TEFC	Speed:	1800 rpm
				Frame:	213T		
				Sizing Criteria:	Max Power on Design Curve		

Pump Selection Warnings
None

--- Duty Point ---	
Flow:	151 US gpm
Head:	38.9 ft
Eff:	47.2%
Power:	3.16 hp
NPSHr:	---
Speed:	1750 rpm
--- Design Curve ---	
Shutoff Head:	42.6 ft
Shutoff DP:	18.5 psi
Min Flow:	--- US gpm
BEP:	50% @ 180 US gpm
NOL Power:	---
	7.33 hp @ 479 US gpm
--- Max Curve ---	
Max Power:	---
	10.3 hp @ 650 US gpm



Performance Evaluation:					
Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
180	1750	38	50	3.46	---
150	1750	39	47	3.14	---
120	1750	38.9	41.1	2.94	---
90	1750	40.7	23.2	3.75	---
60	1750	41.4	2.8	4.79	---

Selected from catalog: Keen.60, Vers 1.3.0

FOR CONSTRUCTION

5	8/11/2026	NEW PUMP SELECTION PER HIGHER DISCHARGE ELEV.	AD
4	5/6/2026	"FOR CONSTRUCTION" - BLUE/BLACK DRAWINGS	AD
3	4/28/2026	REVISED FOR PRODUCTION	AD
2	4/13/2026	REVISED PER COMMENT'S & NEW ELEVATIONS	AD
1	2-5-26	TRIplex CONFIGURATION	KB
REV	DATE	DESCRIPTION	BY
REVISION HISTORY			

VERIFY SCALE
DRAWING HAS BEEN
PRINTED AT
34.42 SHEET
BAR EQUALS ONE INCH

0 1"

IF NOT ONE INCH ON
THIS SHEET, ADJUST
SCALE ACCORDINGLY

DSN: KB
DRN: AD
CKD:
DATE: 1-20-26



18240 NORTH BANK ROAD
ROSEBURG, OREGON 97470
PHONE: (541) 496-9678
WWW.ROMTECUTILITIES.COM

KEURIG DR. PEPPER - PS PUMP1

MOORE, SC

WASTEWATER PUMP STATION
TITLE SHEET

SHEET
G-01

