

Harnett County Environmental Health

File/Permit Number: BCOM2206-0002

IMPROVEMENT PERMIT

County: Harnett
PIN/Lot Identifier: 9568-83-2297
Owner: 3D Community Church Applicant: Jarrod Hilliard
Property Location: 658 Graham Rd (SR 1290)

Subdivision (if applicable) _____ Lot #: _____ Block: _____ Section: _____
New Expansion System Relocation Change of Use

Facility Type: Church
Number of bedrooms: _____ Number of Occupants: 299 Other: _____

Design Wastewater Strength: Domestic High Strength Industrial Process Wastewater
Proposed Design Daily Flow: 1495 GPD Proposed LTAR (Initial): .6 Proposed LTAR (Repair): .6
Proposed Wastewater System Type*: 25% reduction (Initial) Pump Required: Yes No May be required
Proposed Wastewater System Type*: 25% reduction (Repair) Pump Required: Yes No May be required

*Please include system classification for proposed wastewater system types in accordance with Rule .1301 Table XXXII

Effluent Standard: DSE HSE NSF/ANSI 40 TS-I TS-II RCW
Saprolite System (Initial): Yes No Saprolite System (Repair): Yes No
Fill System (Initial): Yes No If yes, specify: New Existing (when adding more than 6 inches of fill to system area provide a fill plan)
Fill System (Repair): Yes No If yes, specify: New Existing (when adding more than 6 inches of fill to system area provide a fill plan)
Usable Depth to LC (Initial)*: 48 Usable Depth to LC (Repair)*: 48 * Limiting Condition
Max. Trench Depth (Initial)*: 28 Max. Trench Depth (Repair)*: 28 * Measured on the downhill side of the trench
Artificial Drainage Required: Yes No If yes, please specify details: _____
Type of Water Supply: Private well Public well Shared well Municipal Supply Spring Other: _____
Drainfield location meets requirements of Rule .0508: Yes No Drainfield location meets requirements of Rule .0601: Yes No
Permit valid for: Five years [site plan submitted pursuant to GS 130A-334(13a)] No expiration [plat submitted pursuant to GS 130A-334(7a)]

Permit conditions:
NO GUTTER OR FOUNDATION DRAINS SHALL EMPTY ONTO DRAIN FIELD
See LSS design layout for septic system, and install as laid out by LSS

Authorized Agent's Printed Name: Mark Osborne REHS Expiration Date: 11-14-29
Authorized Agent's Signature: [Signature] Date: 11-14-24

See attached site sketch

The issuance of this permit in no way guarantees the issuance of other permits. The permit holder is responsible for checking with appropriate governing bodies in meeting their requirements. This permit is subject to revocation if the site plan, plat, or the intended use changes. The Improvement Permit shall not be affected by a change in ownership of the site. This permit is subject to compliance with the provisions of 15A NCAC 18E and to the conditions of this permit.

Harnett County Environmental Health

File/Permit Number: BCOM2206-0002

CONSTRUCTION AUTHORIZATION

County: Harnett PIN/Lot Identifier: 9568-83-2297
Owner: 3D Community Church Applicant: Jarrod Hilliard
Property Location: 658 Graham Rd (SR 1290)
Facility Type: Church

Number of bedrooms: _____ Number of Occupants: 299 Other: _____

New Expansion Repair System Relocation Change of Use

Basement? Yes No Basement Fixtures? Yes No

Crawl Space? Yes No Slab Foundation? Yes No

Type of Wastewater System* 25% reduction (Initial) 25% reduction (Repair)

**Please include system classification for proposed wastewater system types in accordance with Rule .1301 Table XXXII*

Design Daily Flow: 1495 GPD Wastewater Strength: Domestic High Strength Industrial Process Wastewater

Rule .0403(e) Engineering Design Utilizing Low-flow Fixtures and Low-flow Technologies (S.L. 2013-413 and 2014-120)? Yes No
(if yes, please provide engineering documentation)

Effluent Standard: DSE HSE NSF/ANSI 40 TS-I TS-II RCW

Type of Water Supply: Private well Public well Shared well Municipal Supply Spring Other: _____

Installation Requirements/Conditions

Septic Tank Size: (2) 2100 gallons Total Trench/Bed Length: 480 feet Trench/Bed Spacing: 9 feet on center

Trench/Bed Width: 36 inches LTAR: .6 gpd/ft² Usable Depth to LC (Initial)^x: 48 ^xLimiting condition

Soil Cover: 6 inches Slope Corrected Maximum Trench/Bed Depth[†]: 28 inches [†]Measured on the downhill side of the trench

Pump Tank Size (if applicable): 8000 gallons Requires more than one pump? Yes No

Pump Requirements: _____ ft. TDH vs. _____ GPM Grease Trap Size (if applicable): _____ gallons

Distribution Method: Serial D-Box or Parallel Pressure Manifold(s) LPP Other: _____

Artificial Drainage Required: Yes No If yes, please specify details: _____

Legal Agreements (If the answer is "Yes" to any type of legal agreements, please attach a copy of the agreement.)

Multi-party Agreement Required [Rule .0204(g)]: Yes No

Easement, Right-of-Way, or Encroachment Agreement Required [Rule .0204(d)]: Yes No

Declaration of Restrictive Covenants: Yes No Pre-Construction Conference Required: Yes No

Management Entity Required: Yes No Minimum O&M Requirements: _____

Conditions: See LSS design layout for septic system, and install as laid out by LSS

The requirements of 15A NCAC 18E are incorporated by reference into this permit and shall be met. Systems shall be installed in accordance with the attached site sketch. **This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes.** The Construction Authorization shall not be affected by a change in ownership of the site. This Construction Authorization is subject to compliance with the provisions of 15A NCAC 18E, or 15A NCAC 18A .1900, as applicable, and to the conditions of this permit.

Authorized Agent's Printed Name: Mark Osborne REHS Expiration Date: 11-14-29

Authorized Agent's Signature:  Date: 11-14-24

See attached site sketch

**SOIL/SITE EVALUATION
 for ON-SITE WASTEWATER SYSTEM**

Owner: **3D Community Church**
 Applicant:

Address: **658 Graham Rd** Date Evaluated:
 Proposed Facility: **Church** Design Flow (.1949): **1495**

Location of Site: Property Recorded:
 Water Supply: Public Individual Well Spring Other
 Evaluation Method: Auger Boring Pit Cut
 Type of Wastewater: Sewage Industrial Process Mixed

P R O F I L E #	.1940 Landscape Position/ Slope %	Horizon Depth (In.)	SOIL MORPHOLOGY .1941		OTHER PROFILE FACTORS				Profile Class & LTAR
			.1941 Structure/ Texture	.1941 Consistence Mineralogy	.1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	
1	L	0-20	LS	Fr	>48"	>48"	-	-	S.6
	2-5%	20-48	SL	Fr					
2	L	0-20	LS	Fr	>48"	>48"	-	-	S.6
	2-5%	20-48	SL	Fr	>				
3	L	0-24	LS	Fr	>48"	>48"	-	-	S.6
	2-5%	24-48	SL	Fr					
4	L	0-24	LS	Fr	>48"	>48"	-	-	S.6
	2-5%	24-48	SL	Fr					

Description	Initial System	Repair System	Other Factors (.1946): Site Classification (.1948): S Evaluated By: SMH REHS Others Present:
Available Space (.1945)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
System Type(s)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Site LTAR	.6	.6	

COMMENTS: _____

<u>LANDSCAPE POSITIONS</u>	<u>GROUP</u>	<u>TEXTURES</u>	<u>.1955 LTAR</u>	<u>CONSISTENCE MOIST</u>	<u>WET</u>
R-RIDGE	I	S-SAND	1.2 - 0.8	VFR-VERY FRIABLE	NS-NON-STICKY
S-SHOULDER SLOPE		LS-LOAMY SAND		FR-FRIABLE	SS-SLIGHTLY STICKY
L-LINEAR SLOPE	II	SL-SANDY LOAM	0.8 - 0.6	FI-FIRM	S-STICKY
FS-FOOT SLOPE		L-LOAM		VFI-VERY FIRM	VS-VERY STICKY
N-NOSE SLOPE				EFI-EXTREMELY FIRM	NP-NON-PLASTIC
H-HEAD SLOPE	III	SI-SILT	0.6 - 0.3		SP-SLIGHTLY STICKY
CC-CONCLAVE SLOPE		SIL-SILT LOAM			P-PLASTIC
CV-CONVEX SLOPE		CL-CLAY LOAM			VP-VERY PLASTIC
T-TERRACE		SCL-SANDY CLAY LOAM			
FP-FLOOD PLAN	IV	SIC-SILTY CLAY	0.4 - 0.1		
		C-CLAY			
		SC-SANDY CLAY			

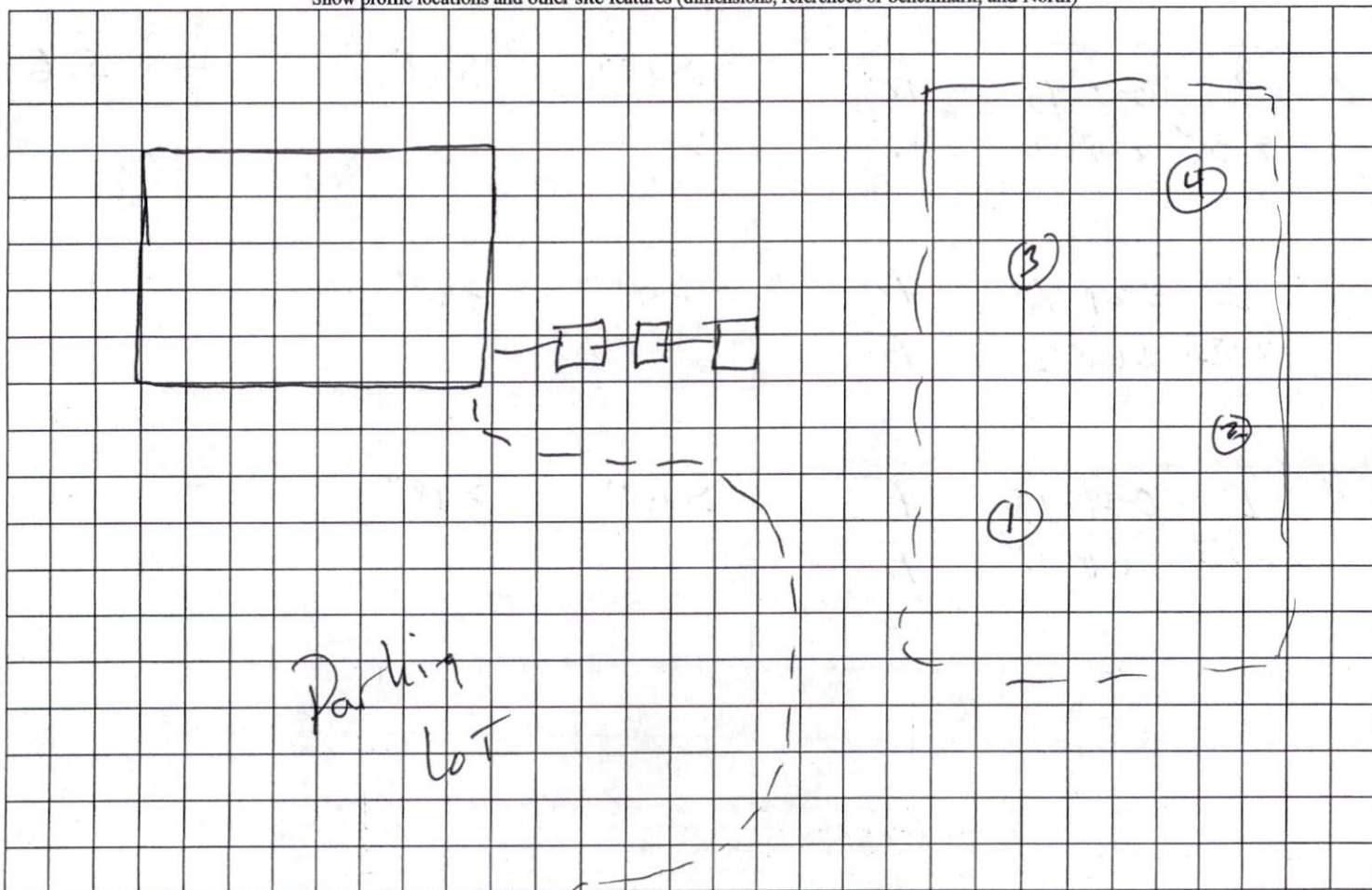
STRUCTURE

- SG-SINGLE GRAIN
- M- MASSIVE
- CR-CRUMB
- GR-GRANULAR
- SBK-SUBANGULAR BLOCKY
- ABK-ANGULAR BLOCKY
- PL-PLATY
- PR-PRISMATIC

MINERALOGY

- SLIGHTLY EXPANSIVE
- EXPANSIVE

Show profile locations and other site features (dimensions, references or benchmark, and North)



SanLee Environmental, LLC

Project: 3D Community Church Date: 9/27/2024

Address: 658 Graham Road, Sanford, NC

County: Harnett PIN# 9568-83-2297 Water Source: Public

of Bedrooms: NA Design Daily Flow: 860 Waste Strength: Domestic

Initial System

LTAR: 0.6 Trench Width: 3 Trench Depth: 24"
Min. ft of Drainfield: 478 Adjusted ft of Drainfield: 480
Septic Tank Size: (2) 2100 Gallons Pump Tank Size: 8000 Gallons
Distribution Method: Pressure Manifold Specified Product: Gravel
Pretreatment Required? No Amount of Soil Cover Required NA

Notes

- 1) Maintain all applicable setback to septic system components
- 2) Install when soils are dry and rake trench sidewalls if any smearing occurs
- 3) A time dosed control panel is required with pressure manifold distribution to gravel drainfield media
- 4) Preconstruction conference required prior to installation
- 5) Property lines and easements should remain clearly marked to ensure proper setbacks
- 6) Design assumes 560 seats and 6 employees for a total of 2950 gpd flow equalized to 864 gpd
- 7) If Accepted 25% reduction product is utilized, recommend foot per foot substitution or flow eq regime may need to be updated

Repair System

LTAR: 0.6 Trench Width: 3 Trench Depth: 24"
Min. ft of Drainfield: 478 Adjusted ft of Drainfield: 480
Septic Tank Size: (2) 2100 Gallons Pump Tank Size: 8000 Gallons
Distribution Method: Pressure Manifold Specified Product: Gravel
Pretreatment Required? No Amount of Soil Cover Required NA

Notes

PRESSURE MANIFOLD SEPTIC SYSTEM DESIGN (Initial/Primary)

Site Information

Applicants: 3D Community Church Site Address: Graham Road Sanford, NC

Design Information

# of seats in Church	560 seats
Flow/Unit:	5 gal/seat
Design Daily Flow:	2800
# of employees	6 employees
Flow/Unit:	25 gal/employee
Design Daily Flow:	150 gal/day
Total Design Daily Flow:	2950
Reduced Design Daily Flow:	860
L.T.A.R. :	0.6 gal/day/ft ²
L.T.A.R. + 5%:	0.63 gal/day/ft ²
Trench Width:	3 ft.
Line Length Required:	477.8 ft.
Corrected Line Length for Repair:	480 ft.
L.T.A.R. Reduced:	0.5972222 gal/day/ft ²
L.T.A.R. Reduced + 5%:	0.627 gal/day/ft ²

DRAINFIELD INFO. - Initial (Primary)

Proposed Type of System/Distribution: **Pressure Manifold w/ Gravel**

Line No. (EL in ft)	Flag Color	Line Length (ft.)	Tap Size (in, type)	Flow/Tap (gpm)	Flow/Foot (gpm/ft)	Line L.T.A.R.
1		120	1/2in SCH 80	5.48	0.046	0.597
2		120	1/2in SCH 80	5.48	0.046	0.597
3		120	1/2in SCH 80	5.48	0.046	0.597
4		120	1/2in SCH 80	5.48	0.046	0.597
TOTAL		480		21.92		0.597

Note: Line lengths are in 5 foot increments to reflect use of EZ Flow products

Note: Flow/tap estimate assumes 2.0 ft. of head.

Note: Benchmark is western property corner (iron pin) - assumed elevation = 100'

Total Run Time =	39.23 min.
% of Dose Volume =	73.00%
Dose Volume =	228.8 gal/dose
Run Time/Dose =	10.4 min
Volume/depth =	77.29 gal/in (Dependent upon tank manufacturer, to be field verified)
Estimated Drawdown =	3.0 in.
Number of Taps =	4

PM Design Notes

- 1) Design is based on use of a timed dose panel with 3 doses per day with 10 min 35 sec On Time, 11 hr 49 min 25 sec Standard Off Time, 7 hr 49 min 25 sec Veto Off Time
- 2) Timed Dose Panel must maintain 4 floats to include redundant off, timer enable, high water, and override
- 3) Panel should maintain a reduced off cycle style override function, not a mechanical override function to prevent potential overloading of the system. Possible panels include SJE Rhombus IFS Panel, Infiltrator Aquaworx, Orenco MVP Series Panel.

PUMP DESIGN

System (initial/repair): **Initial (primary)**

Applicants: 3D Community Church
Site Address: Graham Road
Sanford, NC

Friction Losses

Suction Head =	0 ft.	(submersible = 0)
Elev. Difference (highest point from pump) =	20.00 ft.	
Design Pressure At Outlet =	2 ft.	
Supply Line - 2" Schedule 40 PVC from Pump to Manifold		
Pipe Diameter (ID) =	2.047 in.	Flow = 21.92 gpm
Pipe Length =	200 ft.	Velocity = 2.14 ft/sec
Pipe Length for Fittings =	70 ft.	
Est. Friction Loss per 100' =	0.92 ft/100 ft.	
Estimated Friction Loss =	2.47 ft.	
Friction Loss - Taps/Special Fittings =	3.5 ft.	
SUB-TOTAL =		27.97 ft.
Friction Loss - Fittings (5%) =		1.40 ft.
TOTAL =		29.37 ft.

Flow for Anti-Siphon Hole

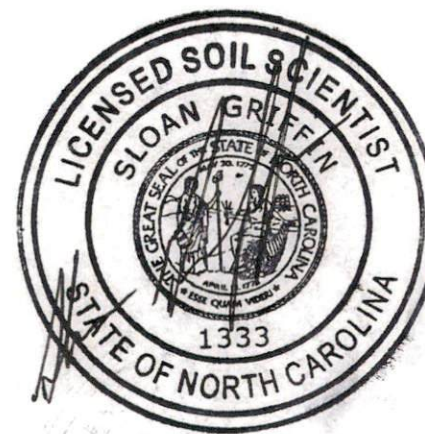
Hole Diameter = 5/32 in.
Hole Flowrate = 1.56 gpm

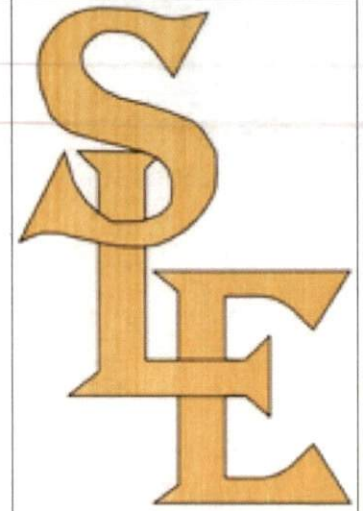
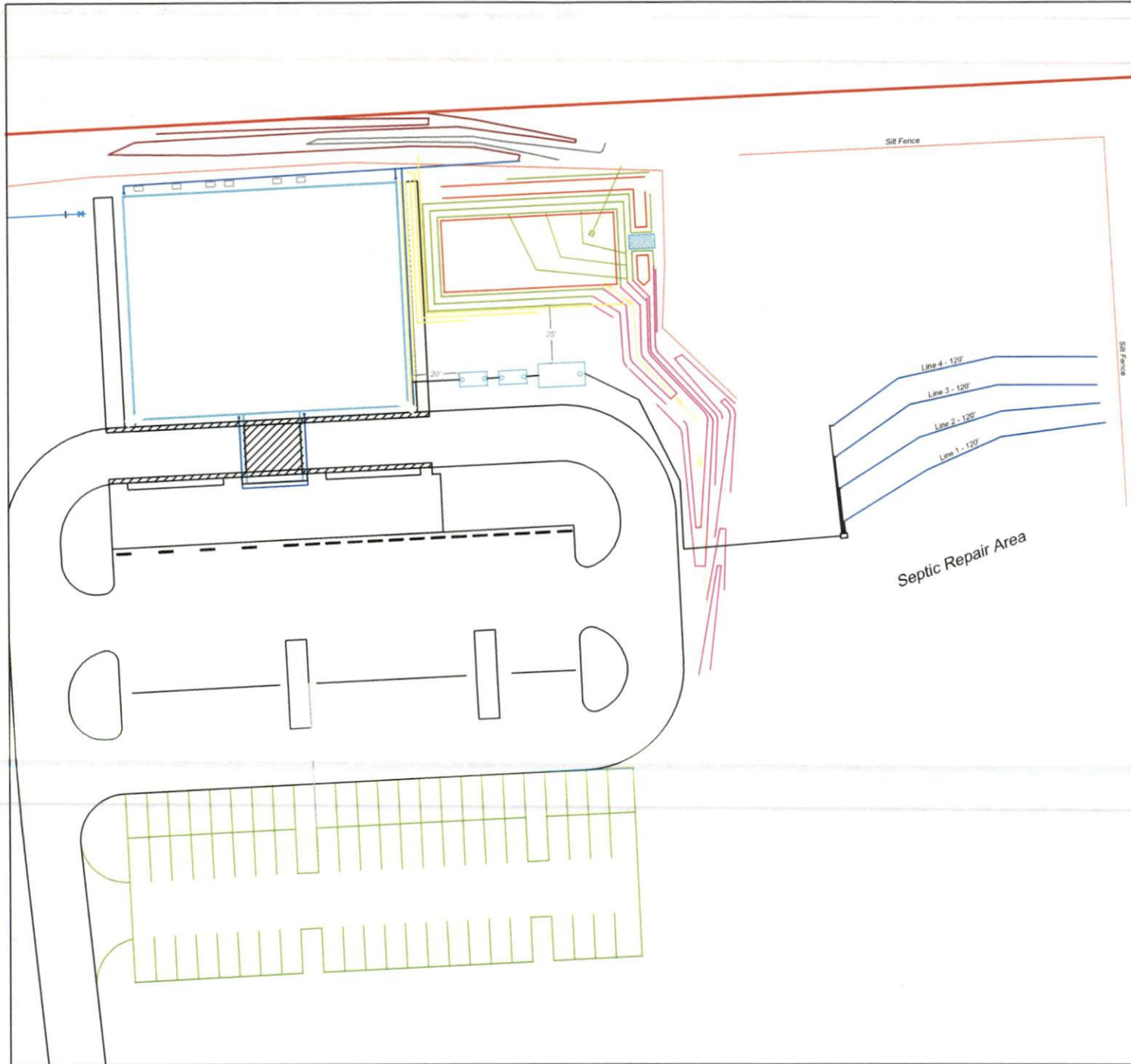
Pump Efficiency =	0.7 (assumed, typical)
Motor Efficiency =	0.9 (assumed for electric pumps)
Flow =	23.48 gpm
Required Horsepower =	0.28 hp
TDH =	29.37 ft.

Proposed Pump: Zoeller N153

Soil Notes

Name	Horizon 1	Horizon 2	Horizon 3	Horizon 4	LTAR	Slope	Soil Depth
WPT 11	0-13 sl gr fr nsnp se xp	13-17 sl gr fr nsnp se xp	17-40 l gr fr nsnp se xp	40-52 sl gr fr nsnp se xp	0.6	2	52
WPT 10	0-13 sl gr fr nsnp se xp	13-39 l gr fr nsnp se xp	39-52 sl gr fr nsnp se xp		0.6	3	52
WPT 9	0-15 sl gr fr nsnp se xp	15-25 sl gr fr nsnp se xp	25-47 l gr fr nsnp se xp	47-52 sl gr fr nsnp se xp	0.6	3	52
WPT 8	0-16 sl gr fr nsnp se xp	16-39 sl gr nsnp se xp	39-52 l gr fr nsnp se xp		0.6	3	52
WPT 7	0-12 sl gr fr nsnp se xp	12-19 sl gr fr nsnp se xp	19-37 l GR fr nsnp se xp	37-52 sl gr fr nsnp se xp	0.6	2	52
WPT 6	0-13 sl gr fr nsnp se xp	13-23 sl gr fr nsnp se xp	23-37 l gr fr nsnp se xp	37-52 sl gr fr nsnp se xp	0.6	3	52
WPT 5	0-15 sl gr fr nsnp se xp	15-24 sl gr fr nsnp se xp	24-35 l gr fr nsnp se xp	35-52 sl gr fr nsnp se xp	0.6	2	52
WPT 4	0-15 sl gr fr nsnp se xp	15-23 sl gr fr nsnp se xp	23-35 l gr fr ssnp se xp	35-52 sl GR fr nsnp se xp	0.6	2	52
WPT 3	0-14 sl gr fr nsnp se xp	14-25 sl gr fr nsnp se xp	25-34 l gr fr nsnp se xp	34-52 sl gr fr nsnp se xp	0.6	3	52





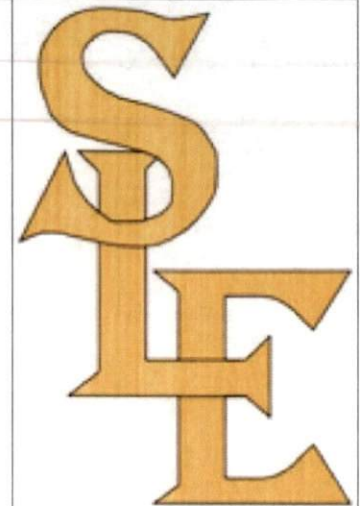
SanLee
Environmental, LLC
919-842-6263

Project:
3D Community
Church

Date:
September 27, 2024

Drawn By:
Sloan Griffin

1" = 60'



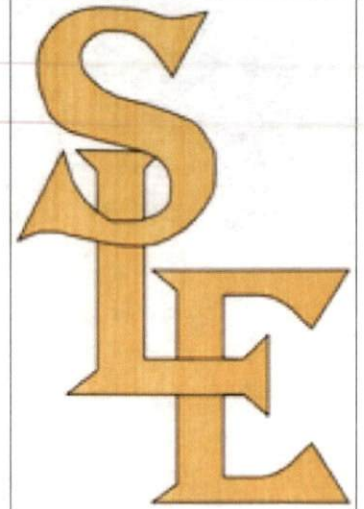
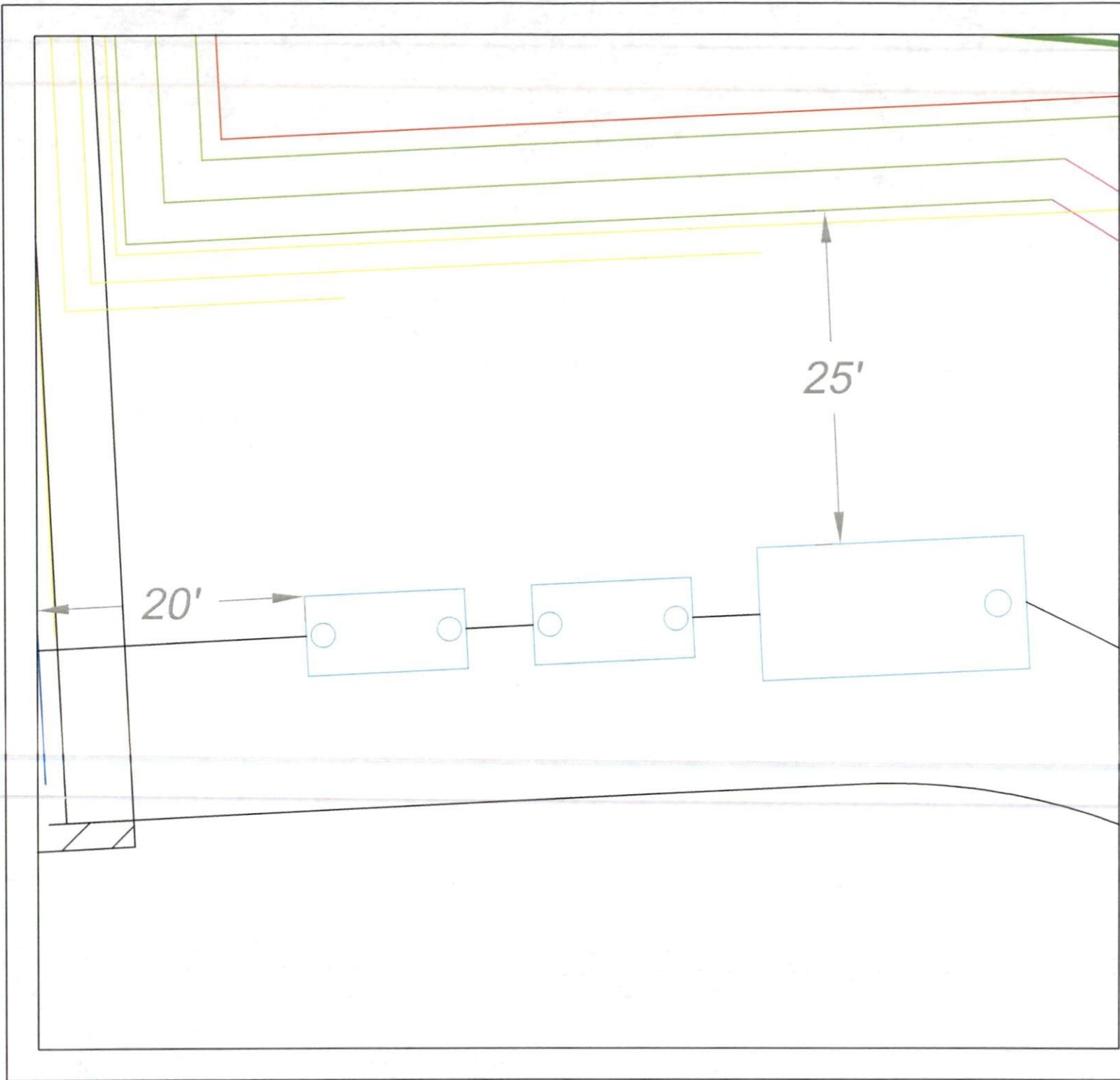
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Sloan Griffin

1" = 40'



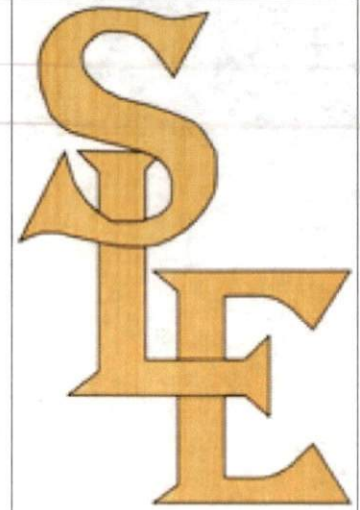
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Project:
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September 27, 2024

Drawn By:
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1" = 10'



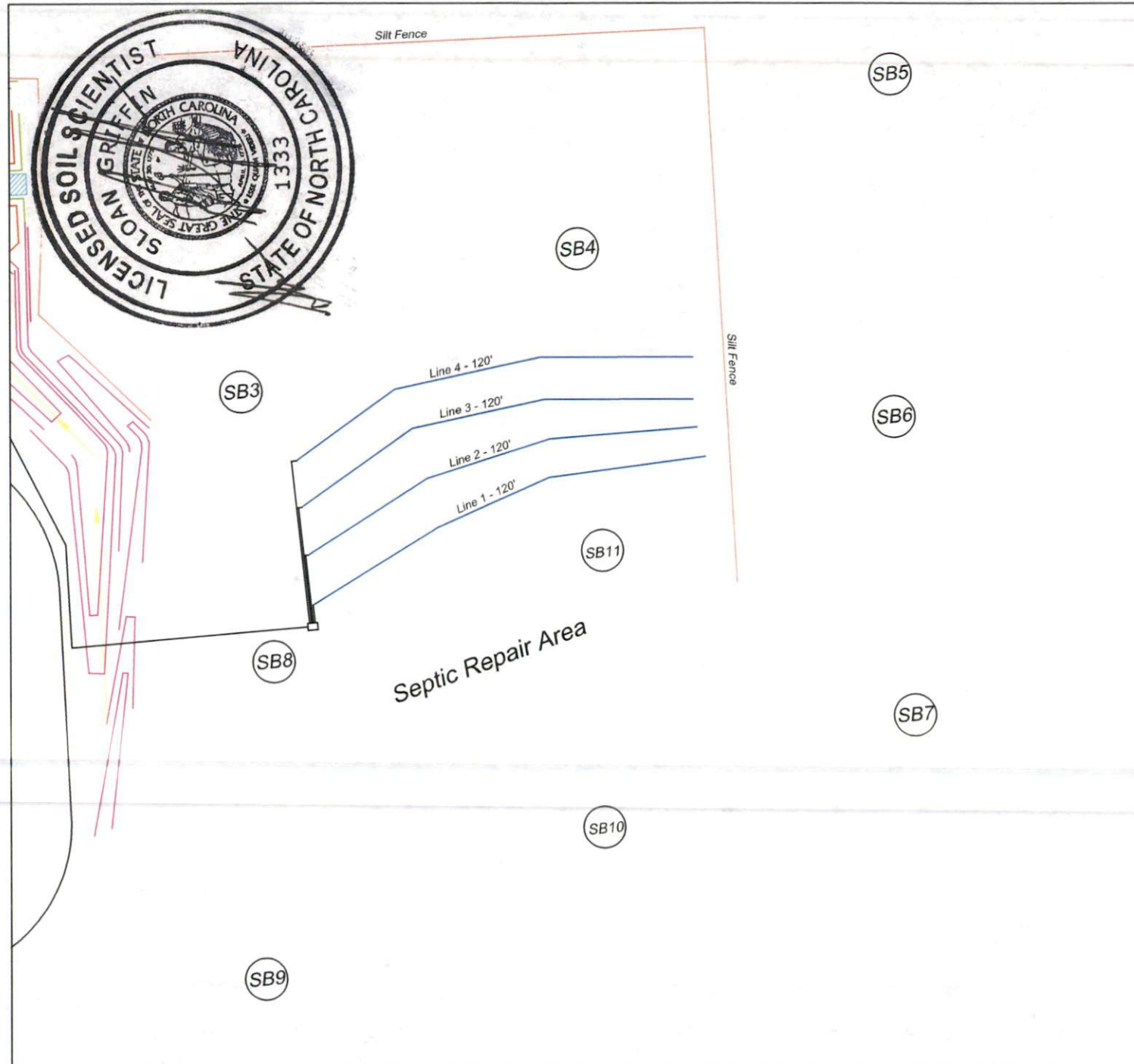
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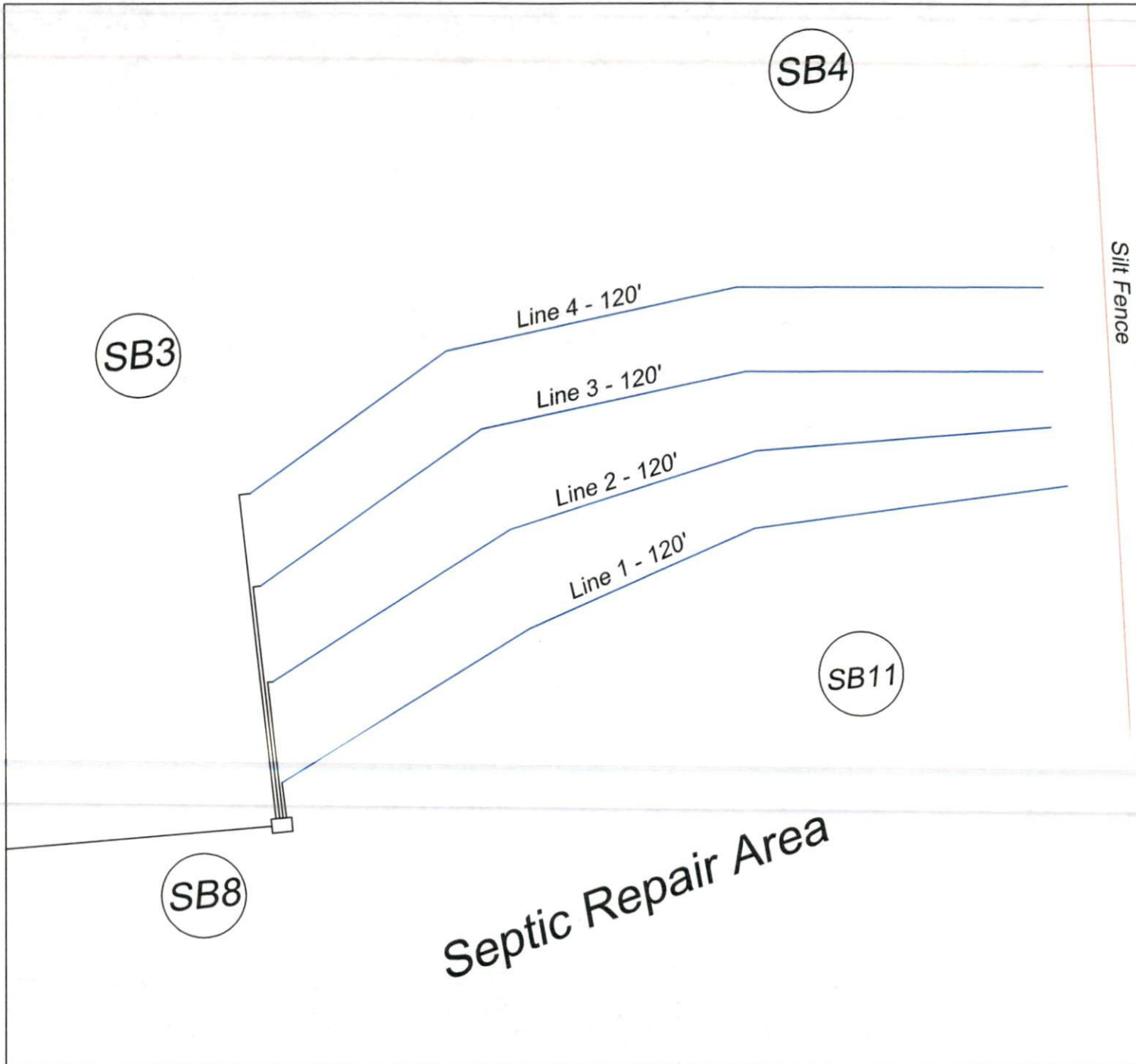
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Sloan Griffin

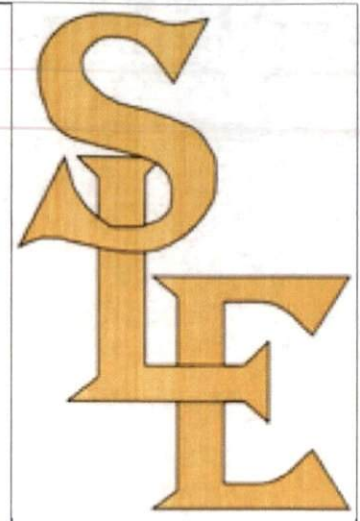
1" = 40'





Septic Repair Area

Silt Fence



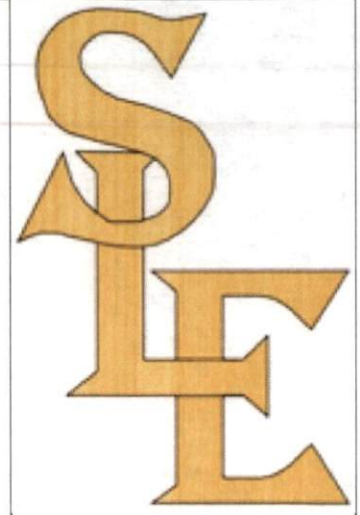
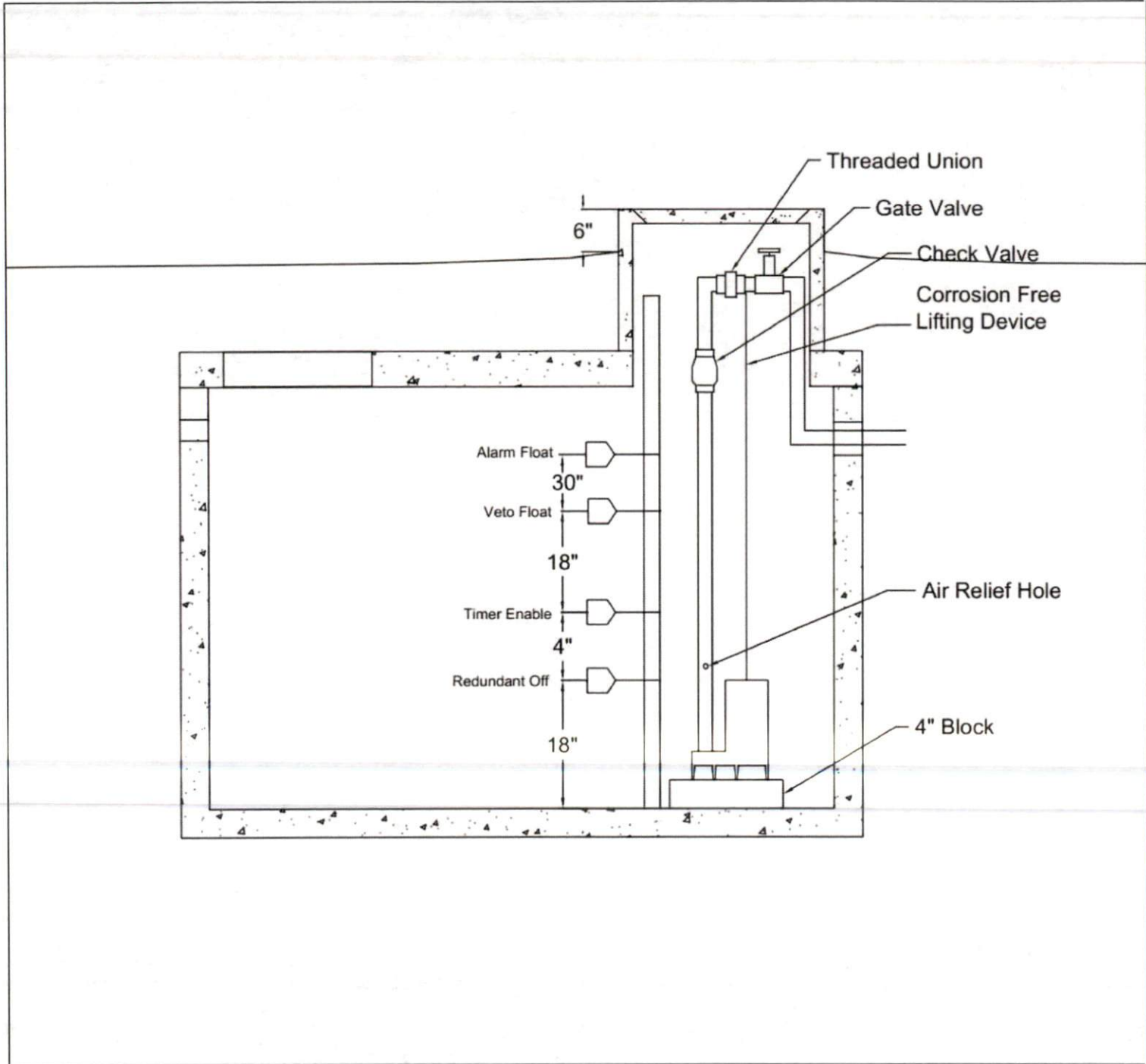
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919-842-6263

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September 27, 2024

Drawn By:
Sloan Griffin

1" = 20'



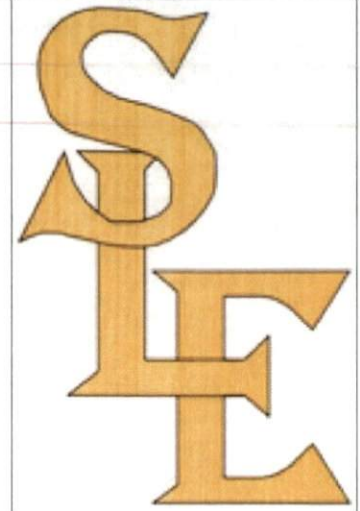
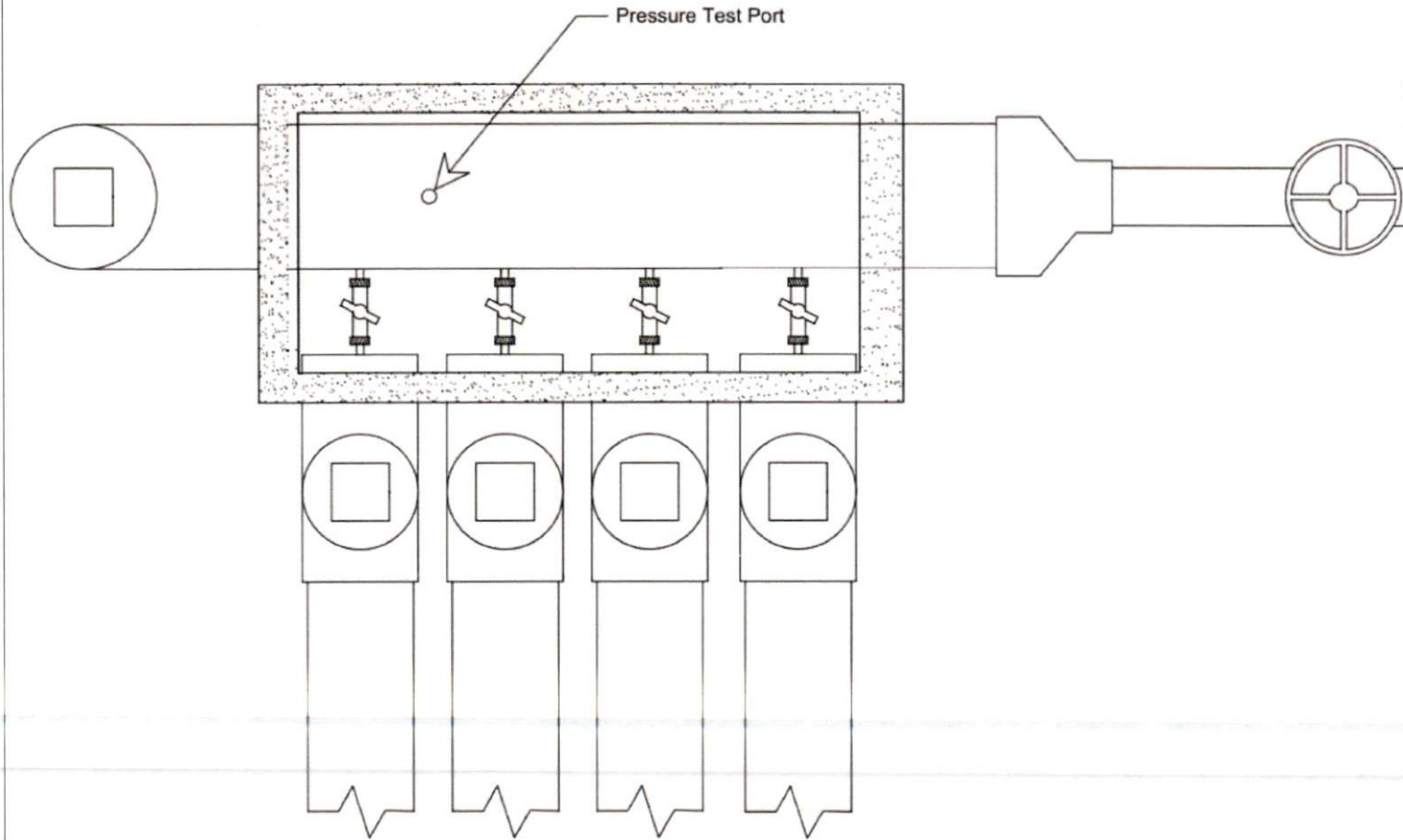
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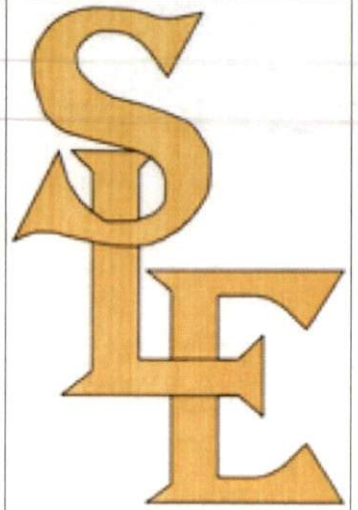
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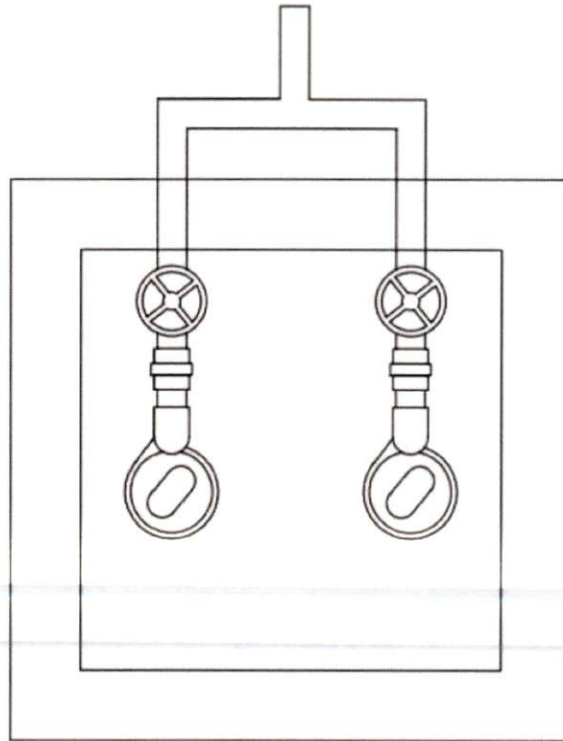
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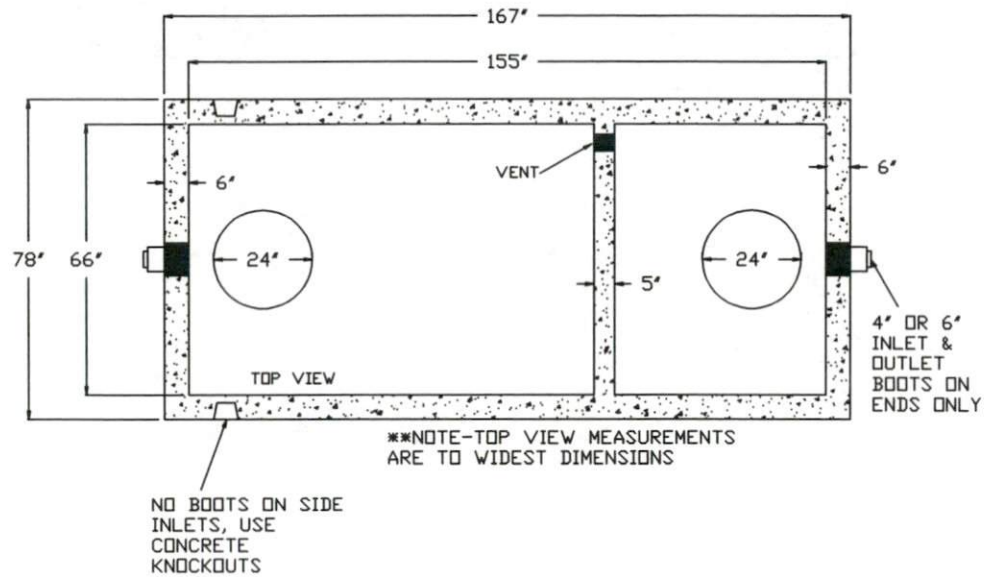
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3D Community
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September 27, 2024

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Sloan Griffin

NTS



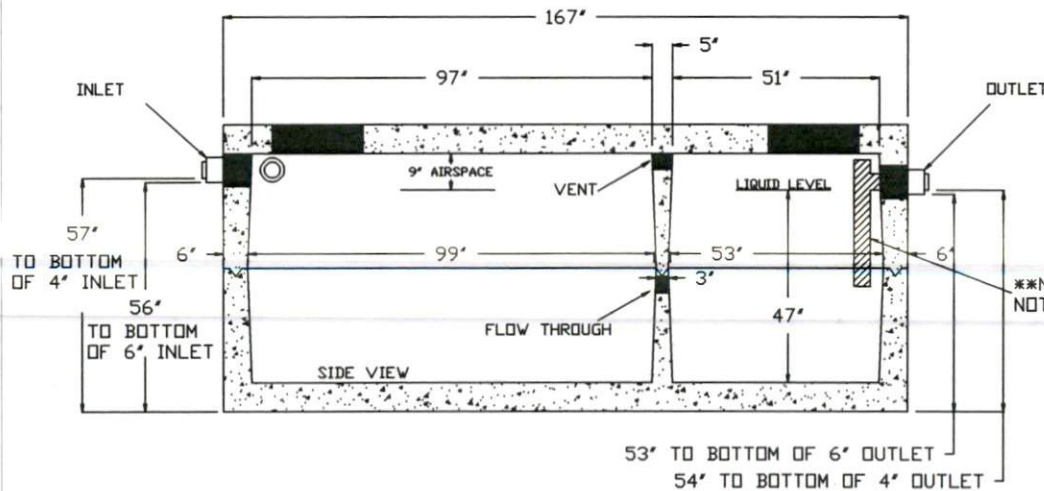


SHDAF PRECAST SEPTIC INC.
4130 WEST US HWY 64
LEXINGTON, NC 27295
PHONE (336) 787-5826
FAX (336) 787-2826

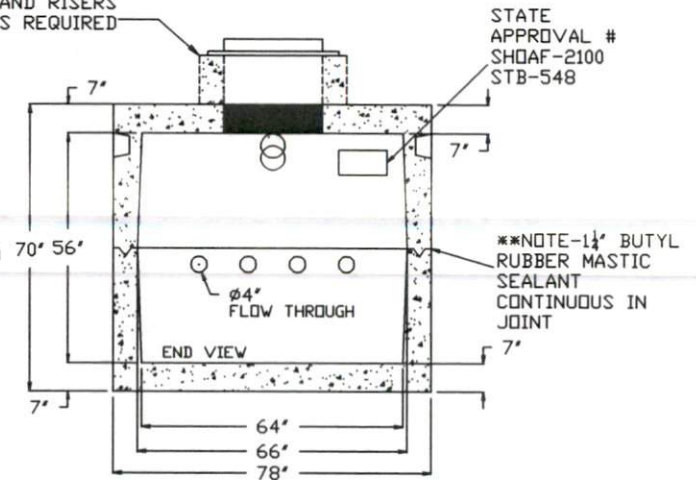
MODEL: MS 2100 H2O STB
H2O TRAFFIC RATED
2100 Gallon Septic Tank

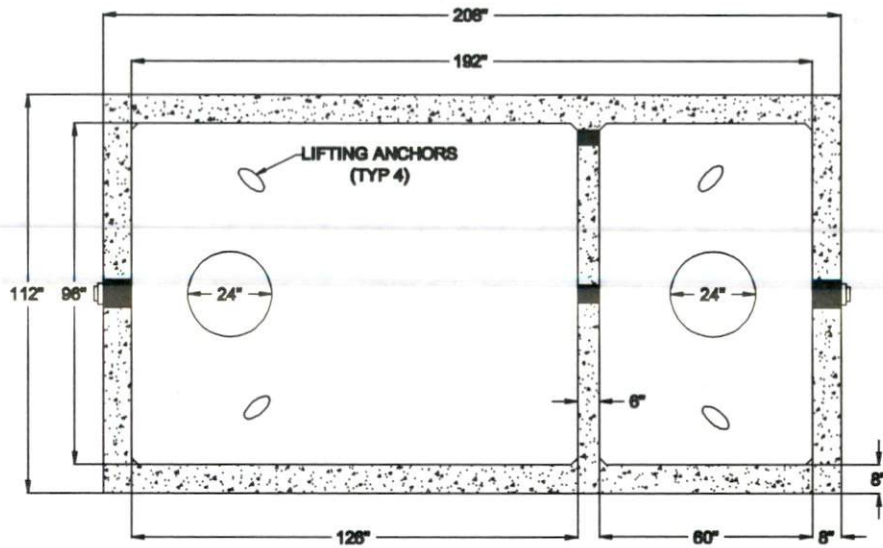
WWW.SHDAFPRECAST.COM
SHDAF-2100 H2O TRAFFIC RATED
STB-548 H2O TRAFFIC RATED
LIQUID CAPACITY-2100 US GALLONS/AIRSPACE-9'
TANK HEIGHT-70"
BOTTOM OF TANK TO CENTER OF INLET-59"
BOTTOM OF TANK TO CENTER OF OUTLET-56"
LENGTH TO WIDTH RATIO-2 TO 1
SIZE OF INLET & OUTLET-4" OR 6" PIPE
TYPE OF INLET & OUTLET-POLYLOCK OR EQUAL (MEETS ASTM C-923)
CONCRETE PSI-5000; TANK WEIGHT- 32,000 LBS.
ACCESS- RING AND COVER W/ RISERS (NOT INCLUDED)
REINFORCING PER ENGINEERING DRAWING

SCALE - N.T.S.



MANHOLE RINGS & COVERS AND RISERS AS REQUIRED

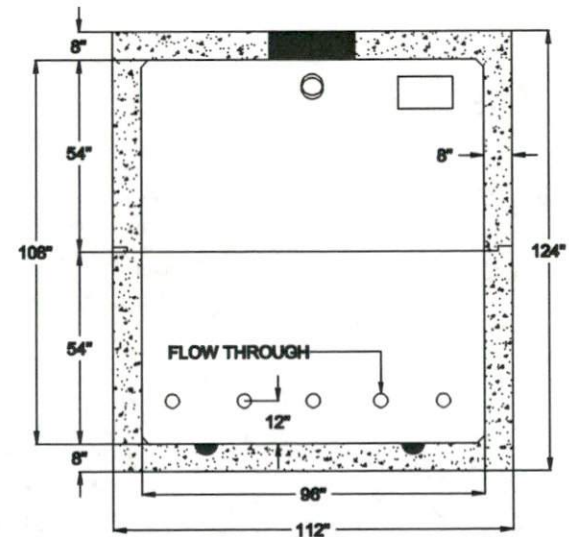
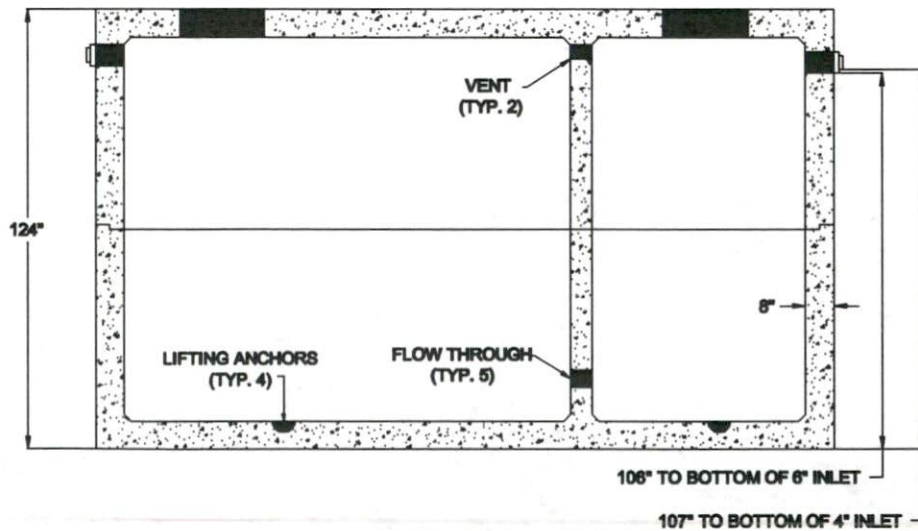




**MODEL: MS TRAFFIC RATED 8000 PT
H/20 TRAFFIC RATED PUMP TANK**

SHOAF PRECAST SEPTIC INC.
 4130 WEST US HWY 64
 LEXINGTON, NC 27295
 PHONE (336) 787-5828
 FAX (336) 787-2828
 info@shoafprecast.com
 www.shoafprecast.com

- NC APPROVAL #: PT-2145
- LIQUID CAPACITY- 8,347 GALLONS
- GALLONS PER INCH-77.29
- PIPE PENETRATIONS - (2) 4" X 6" BOOTS CAST IN (MEETS ASTM C-823)
- CONCRETE - 8000 PSI MIN.
- TANK WEIGHT - 84,080 #
- TOP - 42,040 #
- BOTTOM - 42,040 #
- REINFORCEMENT PER ENGINEER SPECS
- 1 1/4" BUTYL SEALANT CONTINUOUS IN JOINTS



Trusted. Tested. Tough.™

Product information presented here reflects conditions at time of publication. Consult factory regarding discrepancies or inconsistencies.



SECTION: 2.15.080
 FM2784
 1017
 Supersedes
 0315

TECHNICAL DATA SHEET

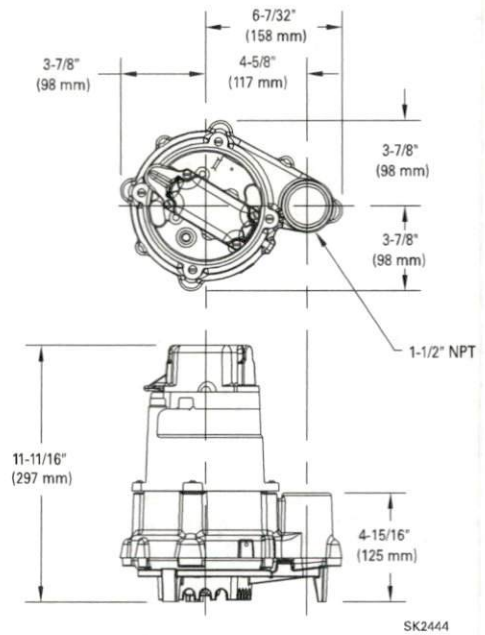
DOSE-MATE SERIES

Models 151, 152, 153 Effluent Pumps

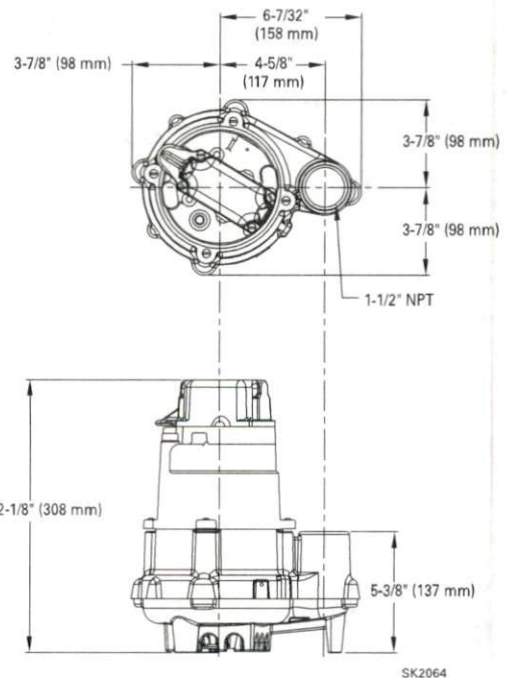
PRODUCT SPECIFICATIONS

MOTOR	Horse Power	1/3 (151), 4/10 (152), 1/2 (153)
	Voltage	115 or 230
	Phase	1 Ph
	Hertz	60 Hz
	RPM	3450
	Type	Permanent split capacitor
	Insulation	Class B
	Amps	3.0 - 10.5
PUMP	Operation	Automatic or nonautomatic
	Discharge Size	1-1/2" NPT
	Solids Handling	1/2" (12 mm), 3/4" (19 mm) spherical solids
	Cord Length	20' (6 m)
	Cord Type	UL listed power cord
	Max. Head	44' (13.4 m)
	Max. Flow Rate	77 GPM (291 LPM)
	Max. Operating Temp.	130 °F (54 °C)
	Cooling	Oil filled
	Motor Protection	Auto reset thermal overload
MATERIALS	Cap	Cast iron
	Motor Housing	Cast iron
	Pump Housing	Cast iron
	Base	Plastic or cast iron
	Upper Bearing	Sleeve bearing
	Lower Bearing	Ball bearing
	Mechanical Seals	Carbon and ceramic
	Impeller Type	Non-clogging vortex
	Impeller	Engineered thermoplastic
	Hardware	Stainless steel
	Motor Shaft	AISI 1215 steel
	Gasket	Neoprene

MODEL 151



MODELS 152 & 153



NOTE: The sizing of effluent systems normally requires variable level float(s) controls and properly sized basins to achieve required pumping cycles or dosing timers with nonautomatic pumps.

NOTE: See model comparison chart for specific details.

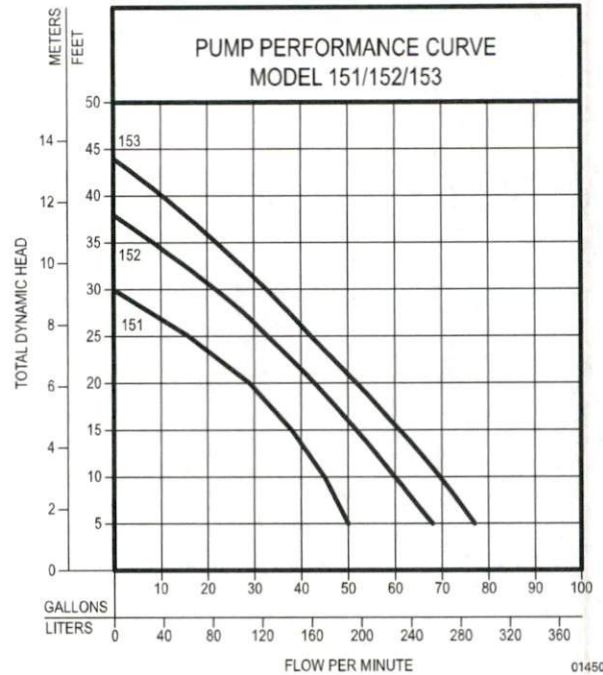


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TOTAL DYNAMIC HEAD FLOW PER MINUTE

MODEL		151		152		153	
Feet	Meters	Gal.	Liters	Gal.	Liters	Gal.	Liters
5	1.5	50	189	69	261	77	291
10	3.0	45	170	61	231	70	265
15	4.6	38	144	53	201	61	231
20	6.1	29	110	44	167	52	197
25	7.6	16	61	34	129	42	159
30	9.1	--	--	23	87	33	125
35	10.7	--	--	--	--	22	85
40	12.2	--	--	--	--	11	42
Shut-off Head:		30 ft. (9.1m)		38 ft. (11.6m)		44 ft. (13.4m)	



014508

Model	MODEL COMPARISON										
	Seal	Mode	Volts	Ph	Amps	HP	Hz	Lbs	Kg	Simplex	Duplex
N151	Single	Non	115	1	6.0	1/3	60	32	15	1	2 or 3
E151	Single	Non	230	1	3.0	1/3	60	32	15	1	2 or 3
BN151	Single	Auto	115	1	6.0	1/3	60	33	15	*	2 or 3
BE151	Single	Auto	230	1	3.0	1/3	60	33	15	*	2 or 3
N152	Single	Non	115	1	8.5	4/10	60	37	17	1	2 or 3
E152	Single	Non	230	1	4.3	4/10	60	37	17	1	2 or 3
BN152	Single	Auto	115	1	8.5	4/10	60	39	18	*	2 or 3
BE152	Single	Non	230	1	4.3	4/10	60	39	18	*	2 or 3
N153	Single	Non	115	1	10.5	1/2	60	37	17		
BN153	Single	Auto	115	1	10.5	1/2	60	39	18	*	2 or 3
E153	Single	Non	230	1	5.3	1/2	60	37	17	1	2 or 3
BE153	Single	Non	230	1	5.3	1/2	60	39	18	*	2 or 3

*BN and BE models include a 20' (6 m) piggyback variable level pump switch. Additional cord lengths are available in 25' (8 m) and 35' (11 m). 50' (15 m) cords are available for 230 V units only.

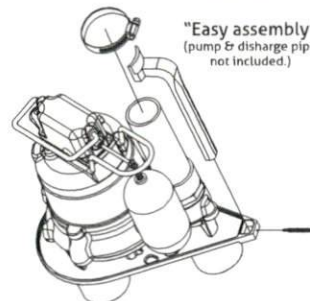
NOTE: Model 151 has a plastic base. Models 152 & 153 have a cast iron base.

SELECTION GUIDE

1. For automatic, use single piggyback variable level float switch or double piggyback variable level float switch. Refer to FM0477.
2. See FM1228 for correct model of simplex control panel.
3. See FM0712 for correct model of duplex control panel.

OPTIONAL PUMP STAND P/N 10-2421

- Reduces potential clogging by debris
 - Replaces rocks or bricks under the pump
 - Made of durable, noncorrosive ABS
 - Raises pump 2" (5 cm) off bottom of basin
 - Provides the ability to raise intake by adding sections of 1/2" or 2" (DN40 or DN50) PVC piping
 - Attaches securely to pump
 - Accommodates sump, dewatering and effluent applications
- NOTE: Make sure float is free from obstruction.



CAUTION

All installation of controls, protection devices and wiring should be done by a qualified licensed electrician. All electrical and safety codes should be followed including the most recent National Electrical Code (NEC) and the Occupational Safety and Health Act (OSHA).

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Design Flow: 2950
 Length of Drainfield: 480
 % Dose Volume: 74%
 Design Dose Volume: 231.9456
 Measured Delivery Rate: 21.92 gpm
 Suggested Tank Size: 8000
 Gallons/Inch: 77.29

Pump Run Time: 10 min 35 sec
 Pump Off Time: 7 hr 49 min 25 sec
 Pump Submergence Vol: 1546
 Storage Volume: 3191
 Emergency Volume: 2950
 Minimum Tank Size: 7687
 Dose Drawdown (inches): 3.00

Week	Day	Hour	% of Flow	Inflow	Dose Volume	Storage
Week 1	Monday	1:00 AM		0		3120
		2:00 AM		0		3120
		3:00 AM		0		3120
		4:00 AM		0	231.9456	2888.0544
		5:00 AM		0		2888.0544
		6:00 AM		0		2888.0544
		7:00 AM		0		2888.0544
		8:00 AM	0.5%	14.75		2902.8044
		9:00 AM	0.5%	14.75		2917.5544
		10:00 AM	0.5%	14.75		2932.3044
		11:00 AM	0.5%	14.75		2947.0544
		12:00 PM	0.5%	14.75	231.9456	2729.8588
		1:00 PM	0.5%	14.75		2744.6088
		2:00 PM	0.5%	14.75		2759.3588
	3:00 PM	0.5%	14.75		2774.1088	
	4:00 PM	0.5%	14.75		2788.8588	
	5:00 PM	0.5%	14.75		2803.6088	
	6:00 PM		0		2803.6088	
	7:00 PM		0		2803.6088	
	8:00 PM		0	231.9456	2571.6632	
	9:00 PM		0		2571.6632	
	10:00 PM		0		2571.6632	
	11:00 PM		0		2571.6632	
	Tuesday	12:00 AM		0		2571.6632
		1:00 AM		0		2571.6632
		2:00 AM		0		2571.6632
3:00 AM			0		2571.6632	
4:00 AM			0	231.9456	2339.7176	
5:00 AM			0		2339.7176	
6:00 AM			0		2339.7176	
7:00 AM			0		2339.7176	
8:00 AM		0.5%	14.75		2354.4676	
9:00 AM		0.5%	14.75		2369.2176	
10:00 AM		0.5%	14.75		2383.9676	
11:00 AM		0.5%	14.75		2398.7176	
12:00 PM	0.5%	14.75	231.9456	2181.522		
1:00 PM	0.5%	14.75		2196.272		

	2:00 PM	0.5%	14.75		2211.022
	3:00 PM	0.5%	14.75		2225.772
	4:00 PM	0.5%	14.75		2240.522
	5:00 PM	0.5%	14.75		2255.272
	6:00 PM		0		2255.272
	7:00 PM		0		2255.272
	8:00 PM		0	231.9456	2023.3264
	9:00 PM		0		2023.3264
	10:00 PM		0		2023.3264
	11:00 PM		0		2023.3264
Wednesday	12:00 AM		0		2023.3264
	1:00 AM		0		2023.3264
	2:00 AM		0		2023.3264
	3:00 AM		0		2023.3264
	4:00 AM		0	231.9456	1791.3808
	5:00 AM		0		1791.3808
	6:00 AM		0		1791.3808
	7:00 AM		0		1791.3808
	8:00 AM	0.5%	14.75		1806.1308
	9:00 AM	0.5%	14.75		1820.8808
	10:00 AM	0.5%	14.75		1835.6308
	11:00 AM	0.5%	14.75		1850.3808
	12:00 PM	0.5%	14.75	231.9456	1633.1852
	1:00 PM	0.5%	14.75		1647.9352
	2:00 PM	0.5%	14.75		1662.6852
	3:00 PM	0.5%	14.75		1677.4352
	4:00 PM	0.5%	14.75		1692.1852
	5:00 PM	0.5%	14.75		1706.9352
	6:00 PM		0		1706.9352
	7:00 PM		0		1706.9352
	8:00 PM		0	231.9456	1474.9896
	9:00 PM		0		1474.9896
	10:00 PM		0		1474.9896
	11:00 PM		0		1474.9896
Thursday	12:00 AM		0		1474.9896
	1:00 AM		0		1474.9896
	2:00 AM		0		1474.9896
	3:00 AM		0		1474.9896
	4:00 AM		0	231.9456	1243.044
	5:00 AM		0		1243.044
	6:00 AM		0		1243.044
	7:00 AM		0		1243.044
	8:00 AM	0.5%	14.75		1257.794
	9:00 AM	0.5%	14.75		1272.544
	10:00 AM	0.5%	14.75		1287.294
	11:00 AM	0.5%	14.75		1302.044
	12:00 PM	0.5%	14.75	231.9456	1084.8484

	1:00 PM	0.5%	14.75		1099.5984
	2:00 PM	0.5%	14.75		1114.3484
	3:00 PM	0.5%	14.75		1129.0984
	4:00 PM	0.5%	14.75		1143.8484
	5:00 PM	0.5%	14.75		1158.5984
	6:00 PM		0		1158.5984
	7:00 PM		0		1158.5984
	8:00 PM		0	231.9456	926.6528
	9:00 PM		0		926.6528
	10:00 PM		0		926.6528
	11:00 PM		0		926.6528
Friday	12:00 AM		0		926.6528
	1:00 AM		0		926.6528
	2:00 AM		0		926.6528
	3:00 AM		0		926.6528
	4:00 AM		0	231.9456	694.7072
	5:00 AM		0		694.7072
	6:00 AM		0		694.7072
	7:00 AM		0		694.7072
	8:00 AM	0.5%	14.75		709.4572
	9:00 AM	0.5%	14.75		724.2072
	10:00 AM	0.5%	14.75		738.9572
	11:00 AM	0.5%	14.75		753.7072
	12:00 PM	0.5%	14.75	231.9456	536.5116
	1:00 PM	0.5%	14.75		551.2616
	2:00 PM	0.5%	14.75		566.0116
	3:00 PM	0.5%	14.75		580.7616
	4:00 PM	0.5%	14.75		595.5116
	5:00 PM	0.5%	14.75		610.2616
	6:00 PM		0		610.2616
	7:00 PM		0		610.2616
	8:00 PM		0	231.9456	378.316
	9:00 PM		0		378.316
	10:00 PM		0		378.316
	11:00 PM		0		378.316
Saturday	12:00 AM		0		378.316
	1:00 AM		0		378.316
	2:00 AM		0		378.316
	3:00 AM		0		378.316
	4:00 AM		0	231.9456	146.3704
	5:00 AM		0		146.3704
	6:00 AM		0		146.3704
	7:00 AM		0		146.3704
	8:00 AM	2.0%	59		205.3704
	9:00 AM	2.0%	59		264.3704
	10:00 AM	2.0%	59		323.3704
	11:00 AM	2.0%	59		382.3704

	12:00 PM	2.0%	59	231.9456	209.4248
	1:00 PM	2.0%	59		268.4248
	2:00 PM	2.0%	59		327.4248
	3:00 PM	2.0%	59		386.4248
	4:00 PM	2.0%	59		445.4248
	5:00 PM	2.0%	59		504.4248
	6:00 PM		0		504.4248
	7:00 PM		0		504.4248
	8:00 PM		0	231.9456	272.4792
	9:00 PM		0		272.4792
	10:00 PM		0		272.4792
	11:00 PM		0		272.4792
Sunday	12:00 AM		0		272.4792
	1:00 AM		0		272.4792
	2:00 AM		0		272.4792
	3:00 AM		0		272.4792
	4:00 AM		0	231.9456	40.5336
	5:00 AM		0		40.5336
	6:00 AM		0		40.5336
	7:00 AM		0		40.5336
	8:00 AM	5.0%	147.5		188.0336
	9:00 AM	20.0%	590		778.0336
	10:00 AM	30.0%	885		1663.0336
	11:00 AM	30.0%	885		2548.0336
	12:00 PM	20.0%	590	231.9456	2906.088
	1:00 PM		0		2906.088
	2:00 PM		0		2906.088
	3:00 PM		0		2906.088
	4:00 PM		0		2906.088
	5:00 PM		0		2906.088
	6:00 PM	5.0%	147.5		3053.588
	7:00 PM	5.0%	147.5		3201.088
	8:00 PM	5.0%	147.5	231.9456	3116.6424
	9:00 PM		0		3116.6424
	10:00 PM		0		3116.6424
	11:00 PM		0		3116.6424
	12:00 AM		0		3116.6424

Week	Day	Hour	% of Flow	Inflow	Dose Volume	Storage
Week 2	Monday	1:00 AM		0		3116.6424
		2:00 AM		0		3116.6424
		3:00 AM		0		3116.6424
		4:00 AM		0	231.9456	2884.6968
		5:00 AM		0		2884.6968
		6:00 AM		0		2884.6968
		7:00 AM		0		2884.6968
		8:00 AM	0.5%	14.75		2899.4468
		9:00 AM	0.5%	14.75		2914.1968
		10:00 AM	0.5%	14.75		2928.9468
		11:00 AM	0.5%	14.75		2943.6968
		12:00 PM	0.5%	14.75	231.9456	2726.5012
		1:00 PM	0.5%	14.75		2741.2512
		2:00 PM	0.5%	14.75		2756.0012
		3:00 PM	0.5%	14.75		2770.7512
		4:00 PM	0.5%	14.75		2785.5012
		5:00 PM	0.5%	14.75		2800.2512
		6:00 PM		0		2800.2512
		7:00 PM		0		2800.2512
		8:00 PM		0	231.9456	2568.3056
		9:00 PM		0		2568.3056
		10:00 PM		0		2568.3056
		11:00 PM		0		2568.3056
		Tuesday	12:00 AM		0	
	1:00 AM			0		2568.3056
	2:00 AM			0		2568.3056
	3:00 AM			0		2568.3056
	4:00 AM			0	231.9456	2336.36
	5:00 AM			0		2336.36
	6:00 AM			0		2336.36
	7:00 AM			0		2336.36
8:00 AM	0.5%		14.75		2351.11	
9:00 AM	0.5%		14.75		2365.86	
10:00 AM	0.5%		14.75		2380.61	
11:00 AM	0.5%		14.75		2395.36	
12:00 PM	0.5%		14.75	231.9456	2178.1644	
1:00 PM	0.5%		14.75		2192.9144	

	2:00 PM	0.5%	14.75		2207.6644
	3:00 PM	0.5%	14.75		2222.4144
	4:00 PM	0.5%	14.75		2237.1644
	5:00 PM	0.5%	14.75		2251.9144
	6:00 PM		0		2251.9144
	7:00 PM		0		2251.9144
	8:00 PM		0	231.9456	2019.9688
	9:00 PM		0		2019.9688
	10:00 PM		0		2019.9688
	11:00 PM		0		2019.9688
Wednesday	12:00 AM		0		2019.9688
	1:00 AM		0		2019.9688
	2:00 AM		0		2019.9688
	3:00 AM		0		2019.9688
	4:00 AM		0	231.9456	1788.0232
	5:00 AM		0		1788.0232
	6:00 AM		0		1788.0232
	7:00 AM		0		1788.0232
	8:00 AM	0.5%	14.75		1802.7732
	9:00 AM	0.5%	14.75		1817.5232
	10:00 AM	0.5%	14.75		1832.2732
	11:00 AM	0.5%	14.75		1847.0232
	12:00 PM	0.5%	14.75	231.9456	1629.8276
	1:00 PM	0.5%	14.75		1644.5776
	2:00 PM	0.5%	14.75		1659.3276
	3:00 PM	0.5%	14.75		1674.0776
	4:00 PM	0.5%	14.75		1688.8276
	5:00 PM	0.5%	14.75		1703.5776
	6:00 PM		0		1703.5776
	7:00 PM		0		1703.5776
	8:00 PM		0	231.9456	1471.632
	9:00 PM		0		1471.632
	10:00 PM		0		1471.632
	11:00 PM		0		1471.632
Thursday	12:00 AM		0		1471.632
	1:00 AM		0		1471.632
	2:00 AM		0		1471.632
	3:00 AM		0		1471.632
	4:00 AM		0	231.9456	1239.6864
	5:00 AM		0		1239.6864
	6:00 AM		0		1239.6864
	7:00 AM		0		1239.6864
	8:00 AM	0.5%	14.75		1254.4364
	9:00 AM	0.5%	14.75		1269.1864
	10:00 AM	0.5%	14.75		1283.9364
	11:00 AM	0.5%	14.75		1298.6864
	12:00 PM	0.5%	14.75	231.9456	1081.4908

	1:00 PM	0.5%	14.75		1096.2408
	2:00 PM	0.5%	14.75		1110.9908
	3:00 PM	0.5%	14.75		1125.7408
	4:00 PM	0.5%	14.75		1140.4908
	5:00 PM	0.5%	14.75		1155.2408
	6:00 PM		0		1155.2408
	7:00 PM		0		1155.2408
	8:00 PM		0	231.9456	923.2952
	9:00 PM		0		923.2952
	10:00 PM		0		923.2952
	11:00 PM		0		923.2952
Friday	12:00 AM		0		923.2952
	1:00 AM		0		923.2952
	2:00 AM		0		923.2952
	3:00 AM		0		923.2952
	4:00 AM		0	231.9456	691.3496
	5:00 AM		0		691.3496
	6:00 AM		0		691.3496
	7:00 AM		0		691.3496
	8:00 AM	0.5%	14.75		706.0996
	9:00 AM	0.5%	14.75		720.8496
	10:00 AM	0.5%	14.75		735.5996
	11:00 AM	0.5%	14.75		750.3496
	12:00 PM	0.5%	14.75	231.9456	533.154
	1:00 PM	0.5%	14.75		547.904
	2:00 PM	0.5%	14.75		562.654
	3:00 PM	0.5%	14.75		577.404
	4:00 PM	0.5%	14.75		592.154
	5:00 PM	0.5%	14.75		606.904
	6:00 PM		0		606.904
	7:00 PM		0		606.904
	8:00 PM		0	231.9456	374.9584
	9:00 PM		0		374.9584
	10:00 PM		0		374.9584
	11:00 PM		0		374.9584
Saturday	12:00 AM		0		374.9584
	1:00 AM		0		374.9584
	2:00 AM		0		374.9584
	3:00 AM		0		374.9584
	4:00 AM		0	231.9456	143.0128
	5:00 AM		0		143.0128
	6:00 AM		0		143.0128
	7:00 AM		0		143.0128
	8:00 AM	2.0%	59		202.0128
	9:00 AM	2.0%	59		261.0128
	10:00 AM	2.0%	59		320.0128
	11:00 AM	2.0%	59		379.0128

Sunday

12:00 PM	2.0%	59	231.9456	206.0672
1:00 PM	2.0%	59		265.0672
2:00 PM	2.0%	59		324.0672
3:00 PM	2.0%	59		383.0672
4:00 PM	2.0%	59		442.0672
5:00 PM	2.0%	59		501.0672
6:00 PM		0		501.0672
7:00 PM		0		501.0672
8:00 PM		0	231.9456	269.1216
9:00 PM		0		269.1216
10:00 PM		0		269.1216
11:00 PM		0		269.1216
12:00 AM		0		269.1216
1:00 AM		0		269.1216
2:00 AM		0		269.1216
3:00 AM		0		269.1216
4:00 AM		0	231.9456	37.176
5:00 AM		0		37.176
6:00 AM		0		37.176
7:00 AM		0		37.176
8:00 AM	5.0%	147.5		184.676
9:00 AM	20.0%	590		774.676
10:00 AM	30.0%	885		1659.676
11:00 AM	30.0%	885		2544.676
12:00 PM	20.0%	590	231.9456	2902.7304
1:00 PM		0		2902.7304
2:00 PM		0		2902.7304
3:00 PM		0		2902.7304
4:00 PM		0		2902.7304
5:00 PM		0		2902.7304
6:00 PM	5.0%	147.5		3050.2304
7:00 PM	5.0%	147.5		3197.7304
8:00 PM	5.0%	147.5	231.9456	3113.2848
9:00 PM		0		3113.2848
10:00 PM		0		3113.2848
11:00 PM		0		3113.2848
12:00 AM		0		3113.2848

Week	Day	Hour	% of Flow	Inflow	Dose Volume	Storage	
Week 3	Monday	1:00 AM		0		3113.2848	
		2:00 AM		0		3113.2848	
		3:00 AM		0		3113.2848	
		4:00 AM		0	231.9456	2881.3392	
		5:00 AM		0		2881.3392	
		6:00 AM		0		2881.3392	
		7:00 AM		0		2881.3392	
		8:00 AM	0.5%	14.75		2896.0892	
		9:00 AM	0.5%	14.75		2910.8392	
		10:00 AM	0.5%	14.75		2925.5892	
		11:00 AM	0.5%	14.75		2940.3392	
		12:00 PM	0.5%	14.75	231.9456	2723.1436	
		1:00 PM	0.5%	14.75		2737.8936	
		2:00 PM	0.5%	14.75		2752.6436	
	3:00 PM	0.5%	14.75		2767.3936		
	4:00 PM	0.5%	14.75		2782.1436		
	5:00 PM	0.5%	14.75		2796.8936		
	6:00 PM		0		2796.8936		
	7:00 PM		0		2796.8936		
	8:00 PM		0	231.9456	2564.948		
	9:00 PM		0		2564.948		
	10:00 PM		0		2564.948		
	11:00 PM		0		2564.948		
	Tuesday	12:00 AM		0			2564.948
		1:00 AM		0			2564.948
		2:00 AM		0			2564.948
3:00 AM			0			2564.948	
4:00 AM			0	231.9456	2333.0024		
5:00 AM			0		2333.0024		
6:00 AM			0		2333.0024		
7:00 AM			0		2333.0024		
8:00 AM		0.5%	14.75		2347.7524		
9:00 AM		0.5%	14.75		2362.5024		
10:00 AM		0.5%	14.75		2377.2524		
11:00 AM		0.5%	14.75		2392.0024		
12:00 PM	0.5%	14.75	231.9456	2174.8068			
1:00 PM	0.5%	14.75		2189.5568			

		2:00 PM	0.5%	14.75		2204.3068
		3:00 PM	0.5%	14.75		2219.0568
		4:00 PM	0.5%	14.75		2233.8068
		5:00 PM	0.5%	14.75		2248.5568
		6:00 PM		0		2248.5568
		7:00 PM		0		2248.5568
		8:00 PM		0	231.9456	2016.6112
		9:00 PM		0		2016.6112
		10:00 PM		0		2016.6112
		11:00 PM		0		2016.6112
Wednesday		12:00 AM		0		2016.6112
		1:00 AM		0		2016.6112
		2:00 AM		0		2016.6112
		3:00 AM		0		2016.6112
		4:00 AM		0	231.9456	1784.6656
		5:00 AM		0		1784.6656
		6:00 AM		0		1784.6656
		7:00 AM		0		1784.6656
		8:00 AM	0.5%	14.75		1799.4156
		9:00 AM	0.5%	14.75		1814.1656
		10:00 AM	0.5%	14.75		1828.9156
		11:00 AM	0.5%	14.75		1843.6656
		12:00 PM	0.5%	14.75	231.9456	1626.47
		1:00 PM	0.5%	14.75		1641.22
		2:00 PM	0.5%	14.75		1655.97
		3:00 PM	0.5%	14.75		1670.72
		4:00 PM	0.5%	14.75		1685.47
		5:00 PM	0.5%	14.75		1700.22
		6:00 PM		0		1700.22
		7:00 PM		0		1700.22
		8:00 PM		0	231.9456	1468.2744
		9:00 PM		0		1468.2744
		10:00 PM		0		1468.2744
		11:00 PM		0		1468.2744
Thursday		12:00 AM		0		1468.2744
		1:00 AM		0		1468.2744
		2:00 AM		0		1468.2744
		3:00 AM		0		1468.2744
		4:00 AM		0	231.9456	1236.3288
		5:00 AM		0		1236.3288
		6:00 AM		0		1236.3288
		7:00 AM		0		1236.3288
		8:00 AM	0.5%	14.75		1251.0788
		9:00 AM	0.5%	14.75		1265.8288
		10:00 AM	0.5%	14.75		1280.5788
		11:00 AM	0.5%	14.75		1295.3288
		12:00 PM	0.5%	14.75	231.9456	1078.1332

	1:00 PM	0.5%	14.75		1092.8832
	2:00 PM	0.5%	14.75		1107.6332
	3:00 PM	0.5%	14.75		1122.3832
	4:00 PM	0.5%	14.75		1137.1332
	5:00 PM	0.5%	14.75		1151.8832
	6:00 PM		0		1151.8832
	7:00 PM		0		1151.8832
	8:00 PM		0	231.9456	919.9376
	9:00 PM		0		919.9376
	10:00 PM		0		919.9376
	11:00 PM		0		919.9376
Friday	12:00 AM		0		919.9376
	1:00 AM		0		919.9376
	2:00 AM		0		919.9376
	3:00 AM		0		919.9376
	4:00 AM		0	231.9456	687.992
	5:00 AM		0		687.992
	6:00 AM		0		687.992
	7:00 AM		0		687.992
	8:00 AM	0.5%	14.75		702.742
	9:00 AM	0.5%	14.75		717.492
	10:00 AM	0.5%	14.75		732.242
	11:00 AM	0.5%	14.75		746.992
	12:00 PM	0.5%	14.75	231.9456	529.7964
	1:00 PM	0.5%	14.75		544.5464
	2:00 PM	0.5%	14.75		559.2964
	3:00 PM	0.5%	14.75		574.0464
	4:00 PM	0.5%	14.75		588.7964
	5:00 PM	0.5%	14.75		603.5464
	6:00 PM		0		603.5464
	7:00 PM		0		603.5464
	8:00 PM		0	231.9456	371.6008
	9:00 PM		0		371.6008
	10:00 PM		0		371.6008
	11:00 PM		0		371.6008
Saturday	12:00 AM		0		371.6008
	1:00 AM		0		371.6008
	2:00 AM		0		371.6008
	3:00 AM		0		371.6008
	4:00 AM		0	231.9456	139.6552
	5:00 AM		0		139.6552
	6:00 AM		0		139.6552
	7:00 AM		0		139.6552
	8:00 AM	2.0%	59		198.6552
	9:00 AM	2.0%	59		257.6552
	10:00 AM	2.0%	59		316.6552
	11:00 AM	2.0%	59		375.6552

Sunday

12:00 PM	2.0%	59	231.9456	202.7096
1:00 PM	2.0%	59		261.7096
2:00 PM	2.0%	59		320.7096
3:00 PM	2.0%	59		379.7096
4:00 PM	2.0%	59		438.7096
5:00 PM	2.0%	59		497.7096
6:00 PM		0		497.7096
7:00 PM		0		497.7096
8:00 PM		0	231.9456	265.764
9:00 PM		0		265.764
10:00 PM		0		265.764
11:00 PM		0		265.764
12:00 AM		0		265.764
1:00 AM		0		265.764
2:00 AM		0		265.764
3:00 AM		0		265.764
4:00 AM		0	231.9456	33.8184
5:00 AM		0		33.8184
6:00 AM		0		33.8184
7:00 AM		0		33.8184
8:00 AM	5.0%	147.5		181.3184
9:00 AM	20.0%	590		771.3184
10:00 AM	30.0%	885		1656.3184
11:00 AM	30.0%	885		2541.3184
12:00 PM	20.0%	590	231.9456	2899.3728
1:00 PM		0		2899.3728
2:00 PM		0		2899.3728
3:00 PM		0		2899.3728
4:00 PM		0		2899.3728
5:00 PM		0		2899.3728
6:00 PM	5.0%	147.5		3046.8728
7:00 PM	5.0%	147.5		3194.3728
8:00 PM	5.0%	147.5	231.9456	3109.9272
9:00 PM		0		3109.9272
10:00 PM		0		3109.9272
11:00 PM		0		3109.9272
12:00 AM		0		3109.9272

Week	Day	Hour	% of Flow	Inflow	Dose Volume	Storage
Week 4	Monday	1:00 AM		0		3109.9272
		2:00 AM		0		3109.9272
		3:00 AM		0		3109.9272
		4:00 AM		0	231.9456	2877.9816
		5:00 AM		0		2877.9816
		6:00 AM		0		2877.9816
		7:00 AM		0		2877.9816
		8:00 AM	0.5%	14.75		2892.7316
		9:00 AM	0.5%	14.75		2907.4816
		10:00 AM	0.5%	14.75		2922.2316
		11:00 AM	0.5%	14.75		2936.9816
		12:00 PM	0.5%	14.75	231.9456	2719.786
		1:00 PM	0.5%	14.75		2734.536
		2:00 PM	0.5%	14.75		2749.286
		3:00 PM	0.5%	14.75		2764.036
		4:00 PM	0.5%	14.75		2778.786
		5:00 PM	0.5%	14.75		2793.536
	6:00 PM		0		2793.536	
	7:00 PM		0		2793.536	
	8:00 PM		0	231.9456	2561.5904	
	9:00 PM		0		2561.5904	
	10:00 PM		0		2561.5904	
	11:00 PM		0		2561.5904	
	Tuesday	12:00 AM		0		2561.5904
		1:00 AM		0		2561.5904
		2:00 AM		0		2561.5904
		3:00 AM		0		2561.5904
4:00 AM			0	231.9456	2329.6448	
5:00 AM			0		2329.6448	
6:00 AM			0		2329.6448	
7:00 AM			0		2329.6448	
8:00 AM		0.5%	14.75		2344.3948	
9:00 AM		0.5%	14.75		2359.1448	
10:00 AM	0.5%	14.75		2373.8948		
11:00 AM	0.5%	14.75		2388.6448		
12:00 PM	0.5%	14.75	231.9456	2171.4492		
1:00 PM	0.5%	14.75		2186.1992		

	2:00 PM	0.5%	14.75		2200.9492
	3:00 PM	0.5%	14.75		2215.6992
	4:00 PM	0.5%	14.75		2230.4492
	5:00 PM	0.5%	14.75		2245.1992
	6:00 PM		0		2245.1992
	7:00 PM		0		2245.1992
	8:00 PM		0	231.9456	2013.2536
	9:00 PM		0		2013.2536
	10:00 PM		0		2013.2536
	11:00 PM		0		2013.2536
Wednesday	12:00 AM		0		2013.2536
	1:00 AM		0		2013.2536
	2:00 AM		0		2013.2536
	3:00 AM		0		2013.2536
	4:00 AM		0	231.9456	1781.308
	5:00 AM		0		1781.308
	6:00 AM		0		1781.308
	7:00 AM		0		1781.308
	8:00 AM	0.5%	14.75		1796.058
	9:00 AM	0.5%	14.75		1810.808
	10:00 AM	0.5%	14.75		1825.558
	11:00 AM	0.5%	14.75		1840.308
	12:00 PM	0.5%	14.75	231.9456	1623.1124
	1:00 PM	0.5%	14.75		1637.8624
	2:00 PM	0.5%	14.75		1652.6124
	3:00 PM	0.5%	14.75		1667.3624
	4:00 PM	0.5%	14.75		1682.1124
	5:00 PM	0.5%	14.75		1696.8624
	6:00 PM		0		1696.8624
	7:00 PM		0		1696.8624
	8:00 PM		0	231.9456	1464.9168
	9:00 PM		0		1464.9168
	10:00 PM		0		1464.9168
	11:00 PM		0		1464.9168
Thursday	12:00 AM		0		1464.9168
	1:00 AM		0		1464.9168
	2:00 AM		0		1464.9168
	3:00 AM		0		1464.9168
	4:00 AM		0	231.9456	1232.9712
	5:00 AM		0		1232.9712
	6:00 AM		0		1232.9712
	7:00 AM		0		1232.9712
	8:00 AM	0.5%	14.75		1247.7212
	9:00 AM	0.5%	14.75		1262.4712
	10:00 AM	0.5%	14.75		1277.2212
	11:00 AM	0.5%	14.75		1291.9712
	12:00 PM	0.5%	14.75	231.9456	1074.7756

	1:00 PM	0.5%	14.75		1089.5256
	2:00 PM	0.5%	14.75		1104.2756
	3:00 PM	0.5%	14.75		1119.0256
	4:00 PM	0.5%	14.75		1133.7756
	5:00 PM	0.5%	14.75		1148.5256
	6:00 PM		0		1148.5256
	7:00 PM		0		1148.5256
	8:00 PM		0	231.9456	916.58
	9:00 PM		0		916.58
	10:00 PM		0		916.58
	11:00 PM		0		916.58
Friday	12:00 AM		0		916.58
	1:00 AM		0		916.58
	2:00 AM		0		916.58
	3:00 AM		0		916.58
	4:00 AM		0	231.9456	684.6344
	5:00 AM		0		684.6344
	6:00 AM		0		684.6344
	7:00 AM		0		684.6344
	8:00 AM	0.5%	14.75		699.3844
	9:00 AM	0.5%	14.75		714.1344
	10:00 AM	0.5%	14.75		728.8844
	11:00 AM	0.5%	14.75		743.6344
	12:00 PM	0.5%	14.75	231.9456	526.4388
	1:00 PM	0.5%	14.75		541.1888
	2:00 PM	0.5%	14.75		555.9388
	3:00 PM	0.5%	14.75		570.6888
	4:00 PM	0.5%	14.75		585.4388
	5:00 PM	0.5%	14.75		600.1888
	6:00 PM		0		600.1888
	7:00 PM		0		600.1888
	8:00 PM		0	231.9456	368.2432
	9:00 PM		0		368.2432
	10:00 PM		0		368.2432
	11:00 PM		0		368.2432
Saturday	12:00 AM		0		368.2432
	1:00 AM		0		368.2432
	2:00 AM		0		368.2432
	3:00 AM		0		368.2432
	4:00 AM		0	231.9456	136.2976
	5:00 AM		0		136.2976
	6:00 AM		0		136.2976
	7:00 AM		0		136.2976
	8:00 AM	2.0%	59		195.2976
	9:00 AM	2.0%	59		254.2976
	10:00 AM	2.0%	59		313.2976
	11:00 AM	2.0%	59		372.2976

	12:00 PM	2.0%	59	231.9456	199.352
	1:00 PM	2.0%	59		258.352
	2:00 PM	2.0%	59		317.352
	3:00 PM	2.0%	59		376.352
	4:00 PM	2.0%	59		435.352
	5:00 PM	2.0%	59		494.352
	6:00 PM		0		494.352
	7:00 PM		0		494.352
	8:00 PM		0	231.9456	262.4064
	9:00 PM		0		262.4064
	10:00 PM		0		262.4064
	11:00 PM		0		262.4064
Sunday	12:00 AM		0		262.4064
	1:00 AM		0		262.4064
	2:00 AM		0		262.4064
	3:00 AM		0		262.4064
	4:00 AM		0	231.9456	30.4608
	5:00 AM		0		30.4608
	6:00 AM		0		30.4608
	7:00 AM		0		30.4608
	8:00 AM	5.0%	147.5		177.9608
	9:00 AM	20.0%	590		767.9608
	10:00 AM	30.0%	885		1652.9608
	11:00 AM	30.0%	885		2537.9608
	12:00 PM	20.0%	590	231.9456	2896.0152
	1:00 PM		0		2896.0152
	2:00 PM		0		2896.0152
	3:00 PM		0		2896.0152
	4:00 PM		0		2896.0152
	5:00 PM		0		2896.0152
	6:00 PM	5.0%	147.5		3043.5152
	7:00 PM	5.0%	147.5		3191.0152
	8:00 PM	5.0%	147.5	231.9456	3106.5696
	9:00 PM		0		3106.5696
	10:00 PM		0		3106.5696
	11:00 PM		0		3106.5696
	12:00 AM		0		3106.5696