

Permit Number:

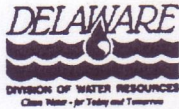
283119

Paid & Received

Division of Water

\$ 460.00 06/26/2026

APPLICATION - PERMIT



ON-SITE WASTEWATER SYSTEM



Commercial

Public Notice

(Please Type or Print Legibly)
OWNER'S NAME:

c/o Jennifer Southard
JAJ Rentals LLC

EMAIL: jennifer@salisburydoor.com

PHONE: (302) 629-4393

ADDRESS:

24133 Snug Harbor Drive Seafood, DE 19973

PROJECT LOCATION:

22057 Thompson Parkway Seafood, DE 19973

TAX/MAP #: 3-31-3-17.04 / 17.03 / 19.00

APPLICATION
PREPARER:

Byron H. Jefferson, P.E.

DNREC

LICENSE #: 2160

PREPARER'S ADDRESS:

PO Box 161 Lincoln, DE 19960

PHONE: (302) 422-9568

I hereby affirm that the information provided on this document is accurate and complete..

Preparer's Signature:

Byron H. Jefferson

Date: 6/25/2026

SEPTIC DESIGN CRITERIA-

(Please check all boxes that apply)

Type of Construction:

- ☒ Replacement
☐ New Construction
☐ Component Replacement
☐ Repair to Existing System
☐ Authorization to Use
Existing System

System Type:

- ☐ Low Pressure Pipe(FD)
☐ Elevated Sand Mound
☐ Pressure Dose (FD)
☐ Holding Tank
☐ Gravity (FD)
☐ Std. Pressure Dose (FD)
☐ Std. Pressure Dose (CF)

CF = Cap & Fill / FD = Full Depth

- ☐ Low Pressure Pipe (CF)
☐ Wisconsin At-Grade
☐ Pressure Dose (CF)
☐ Subsurface Micro Irrigation
☐ Gravity (CF)
☒ Other Puraflo Peat Filter

☒ Bed or ☐ Trench

☐ Gravelless Chamber or ☒ Stone/Gravel

Sand-lined ☒ Yes ☐ No

Existing System Malfunctioning ☒ Yes ☐ No ☐ N/A

Pre-Treatment Units

- ☐ Bio-Clear ☐ Klargester
☒ Septic Tank ☐ Recirculating Sand Filter
☐ Other _____

of Bedrooms: 4 x 3 brms = 12

Avg. Percolation Rate: 45 MPI Assigned

Gallons Per Day Flow: 1,440

Minimum Sq. Ft. Rcq'd: 2,707 (Puraflo @ 45 MPI)

Sq. Ft. Proposed: 2,750

Central Water Available

☐ Yes

☒ No

(If yes, please state Utility Name: _____)

— SEE SHEET 1 ATTACHED —
— FOR PLOT PLAN DETAILS —



Jennifer K. South

DATE: 6-11-2026

* A copy of this page must be submitted with both the septic and well completion reports.

GENERAL NOTES

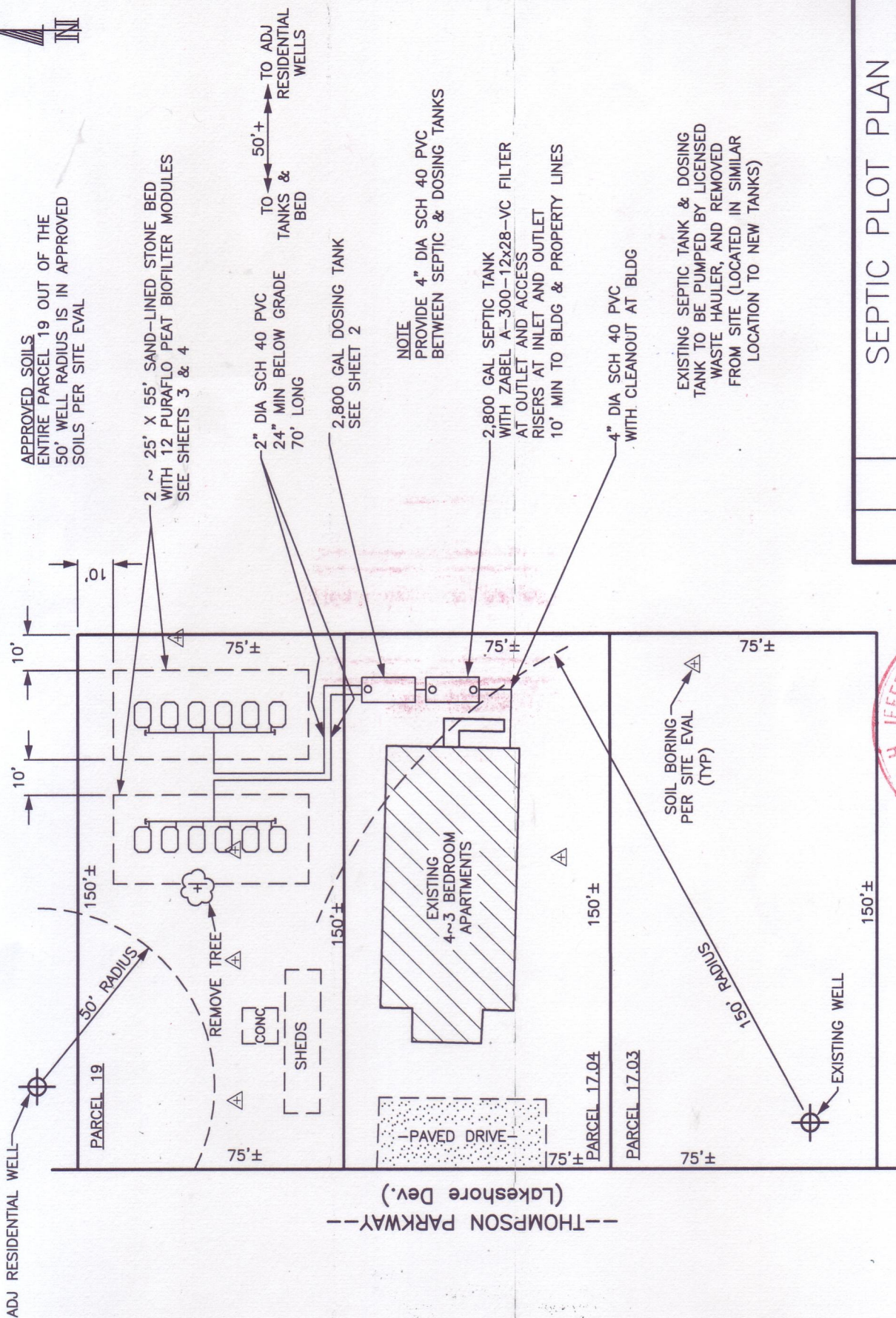
- 1. DESIGN DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALL RULES AND REGULATIONS THERETO APPURTENANT.
- 2. THE CONTRACTOR SHALL LOCATE ALL BURIED UTILITIES PRIOR TO EXCAVATION. NOTIFY "MISS UTILITY" THREE (3) WORKING DAYS PRIOR TO EXCAVATION @ 1-800-282-8555. RELOCATE UTILITIES AS NECESSARY TO CLEAR ALL SEPTIC COMPONENTS. REPAIR ANY UTILITIES DAMAGED DURING CONSTRUCTION.
- 3. THIS PERMIT DOES NOT CONSTITUTE A PERMIT FOR CONSTRUCTION IN WETLANDS. IF SUCH CONSTRUCTION IS ANTICIPATED, OWNER SHOULD OBTAIN NECESSARY PERMITS FROM THE APPROPRIATE AGENCIES PRIOR TO CONSTRUCTION.
- 4. IT IS VERY IMPORTANT TO AVOID SOILS COMPACTION IN DISPOSAL AREAS. OWNER AND CONTRACTOR SHALL USE ALL MEANS NECESSARY TO PREVENT SOIL COMPACTION IN DISPOSAL AREAS, INCLUDING BUT NOT NECESSARILY LIMITED TO: ROPING OFF DISPOSAL AREAS TO PREVENT CONSTRUCTION OR VEHICULAR TRAFFIC, CONDUCTING ALL LAND CLEARING SO AS TO MINIMIZE SOILS DISTURBANCE, USE OF SUCH SEPTIC CONSTRUCTION METHODS AND EQUIPMENT AS NECESSARY TO AVOID DISPOSAL AREA SOILS COMPACTION, AVOID WORKING THE SOILS DURING PERIODS OF EXCESSIVE MOISTURE.
- 5. PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL LAY-OUT ENTIRE SYSTEM ON SITE TO ENSURE THAT ALL COMPONENTS CAN BE INSTALLED IN ACCORDANCE WITH PERMIT CONDITIONS. SHOULD ANY SITE CHANGES OR PROBLEMS AFFECTING PERMIT CONDITIONS BE NOTED, INCLUDING BUT NOT LIMITED TO SOILS COMPACTION IN DISPOSAL AREAS, THE CONTRACTOR SHALL NOTIFY DNREC (302-739-9947 OR 856-4561) AND THE ENGINEER (BYRON JEFFERSON 302-422-9568) BEFORE PROCEEDING WITH CONSTRUCTION.
- 6. IF HIGH WATER CONDITIONS ARE ENCOUNTERED ON SITE DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR ADDITIONAL INSTRUCTIONS REGARDING TANK INSTALLATION TO PREVENT TANK LEAKAGE OR FLOTATION. PLACEMENT OF TANKS INTO WATER DEPTHS OF 30" OR MORE IS CAUSE FOR THIS NOTIFICATION. THIS APPLIES TO ALL TANKS.
- 7. ALL TANKS ARE TO BE RATED BY THE MANUFACTURER FOR ADEQUATE STRUCTURAL STRENGTH AT THE ACTUAL DEPTH OF INSTALLATION.
- 8. ALL TREES WITHIN 10' MIN OF DISPOSAL AREAS ARE TO BE REMOVED.
- 9. A DNREC LICENSED SITE EVALUATOR SHALL BE ON-SITE TO VERIFY SUITABILITY OF SOILS IN DISPOSAL AREA AFTER TREES HAVE BEEN REMOVED IN A WOODED SITE PRIOR TO CONSTRUCTION.
- 10. ALL ELECTRICAL WORK SHALL BE COMPLETED BY A LICENSED ELECTRICIAN IN COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE - LATEST EDITION.
- 11. THIS DESIGN LAYOUT IS BASED ON INFORMATION REPORTED IN THE SITE EVALUATION, STATEMENTS BY OWNER AND OTHER INTERESTED PARTIES, AND OUR OWN PRE-DESIGN SITE OBSERVATIONS AND MEASUREMENTS. ALL INFORMATION IS BELIEVED TO BE CORRECT AND ACCURATE, HOWEVER NO PROPERTY SURVEY, TITLE SEARCH, OR PROPERTY LINE STAKEOUT HAS BEEN PERFORMED AS PART OF THIS DESIGN WORK. THIS DESIGN MAY NO LONGER BE VALID IF SITE CONDITIONS OR LAYOUTS CHANGE.



DRAWING INDEX		
SHEET NO.	REV. NO.	TITLE
1	0	SEPTIC PLOT PLAN
2	0	DOSING TANK DETAIL
3	0	DISPOSAL AREA DETAIL
4	0	BIOFILTER DETAIL

DRAWING INDEX & GENERAL NOTES		
JAJ RENTALS LLC		
BYRON H. JEFFERSON P.O. BOX. 161 LINCOLN, DE 19960		DATE: 6/25/26
(302) 422-9568		SCALE: NTS
		SHEET: 0

► DENOTES A REVISED ITEM



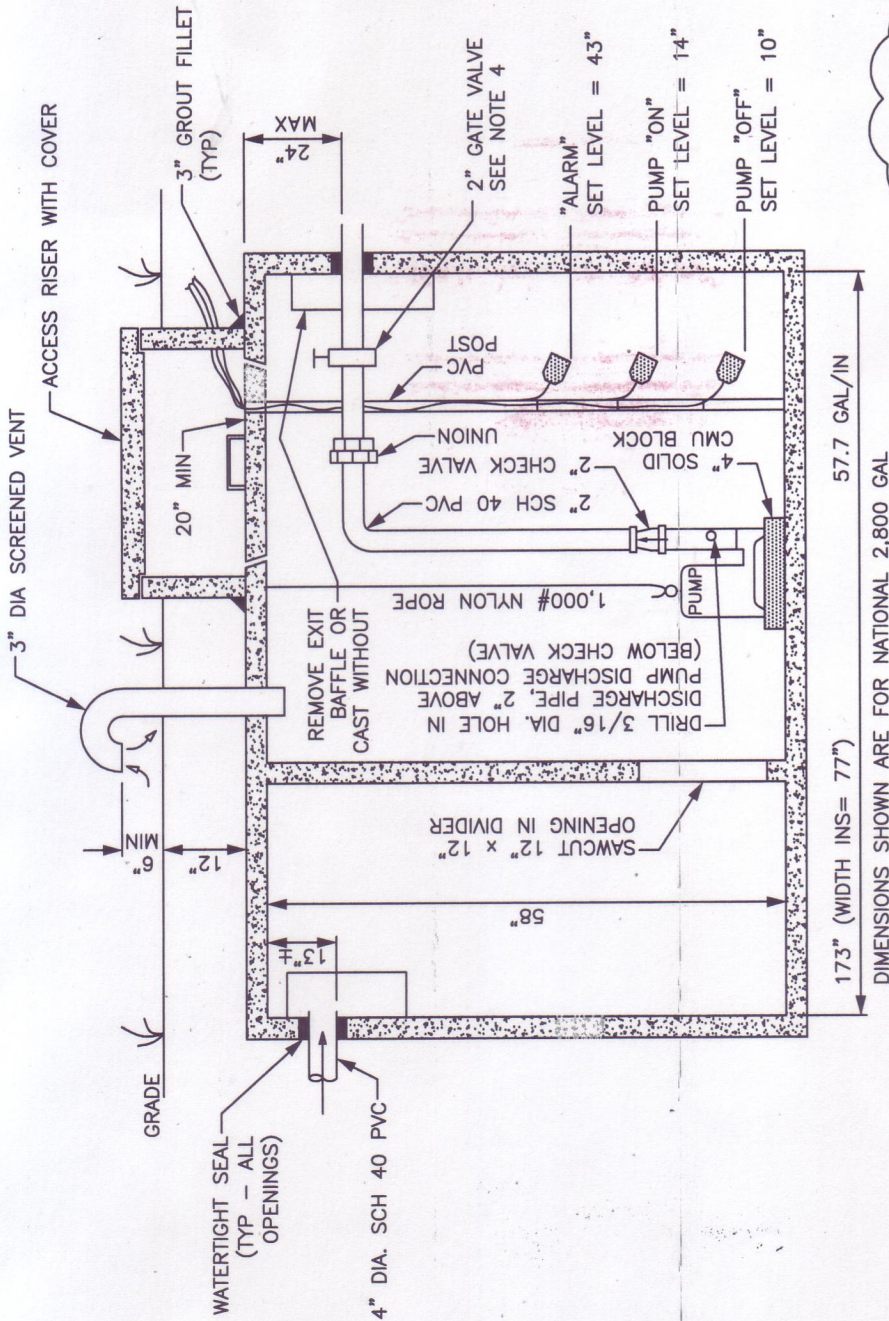
SEPTIC PLOT PLAN	
JAJ RENTALS LLC	
BYRON H. JEFFERSON P.O. BOX. 161 LINCOLN, DE 19960 (302) 422-9568	DATE: 6/25/26 SCALE: 1"=40' SHEET: 1



SPARE AREA
SAND-LINED SYSTEM IN AREA
OF INITIAL SYSTEM, WHICH IS
TO BE EXCAVATED

NOTES

1. ALL ELECTRICAL CONNECTIONS INSIDE TANK TO BE EXPLOSION PROOF, CORROSION RESISTANT AND WATERPROOF
2. ELECTRICAL INSTALLATIONS SHALL MEET ALL REQUIREMENTS OF NEC, LATEST EDITION
3. CONTACT ENGINEER FOR CHECK-OUT OF SYSTEM INSTALLATION AND OPERATION PRIOR TO PLACING THE DOSING TANK IN OPERATION
4. ADJUST GATE VALVE FOR 1 7/16" DROP IN TANK LEVEL OVER 2 MIN.
5. EQUIPMENT:
 FLOAT SWITCHES - MERCURY TUBE TYPE SEALED IN FLOAT BALL AND RATED FOR VOLTAGE AND AMPERAGE OF SERVICE;
 FLOATS ARE NOT TO BE LOCATED DIRECTLY BELOW TANK INLET ENCLOSURES - TO BE RATED FOR MOUNTING LOCATION;
 NEMA-1 FOR INSIDE USE OR NEMA-3R FOR OUTSIDE USE
 HIGH LEVEL ALARM - TO OPERATE ON SEPARATE 115 VOLT AC CIRCUIT FROM PUMP. ALARM TO ACTIVATE BOTH RED-LITE AND BELL OR BUZZER
 PUMPS - 2~GOULDS MODEL 3886 OR EQUAL, 1/2 HP, 115/230 VOLT AC, 1 PHASE, 42 GPM AT 41.4', SUBMERSIBLE SEWAGE
6. SET TIME DELAY RELAY IN RHOMBUS PANEL FOR 1.5 MINUTE RUNTIME "ON" EVERY 2 HOURS



2 PUMPS WITH RELATED PIPING REQUIRED
ONE SET OF FLOATS

ELEVATION VIEW

PUMP VOL/ CYCLE = 231 GAL BY FLOATS
126 GAL BY TIMER CONTROL

DIMENSIONS SHOWN ARE FOR NATIONAL 2,800 GAL



DOSING TANK DETAIL

JAJ RENTALS LLC

BYRON H. JEFFERSON
P.O. BOX. 161
LINCOLN, DE 19960

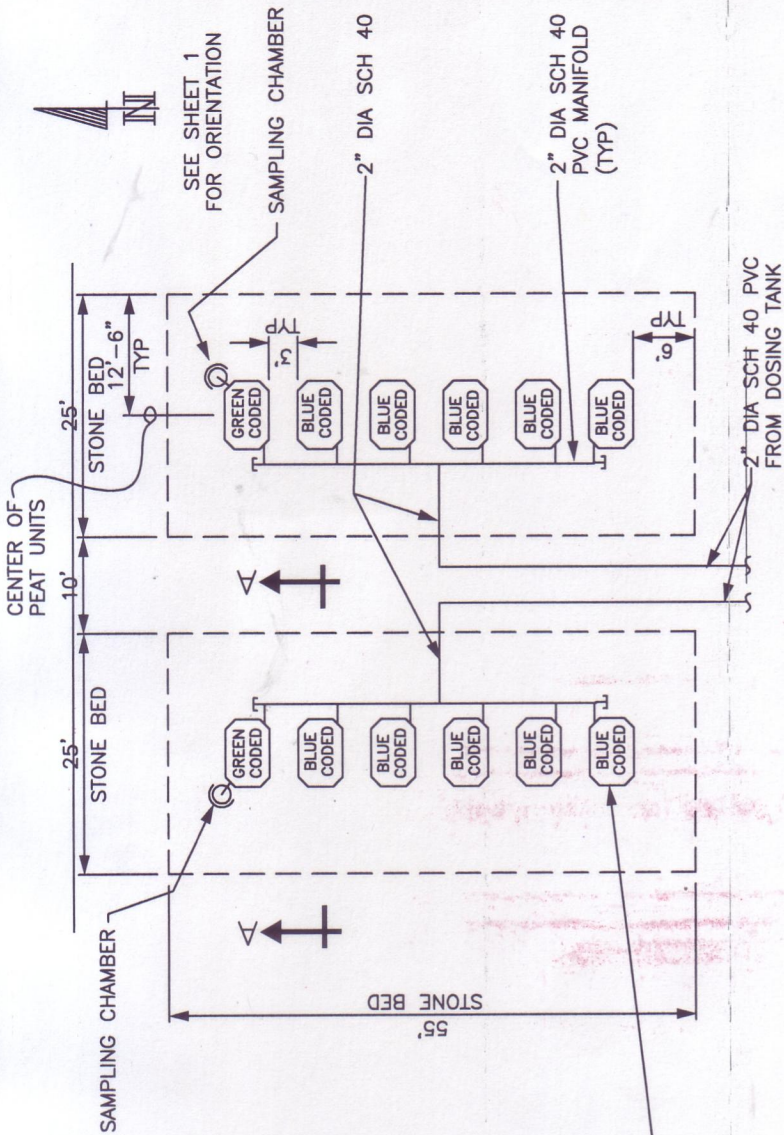
DATE: 6/25/26

SCALE: NTS

SHEET: 2

(302) 422-9568

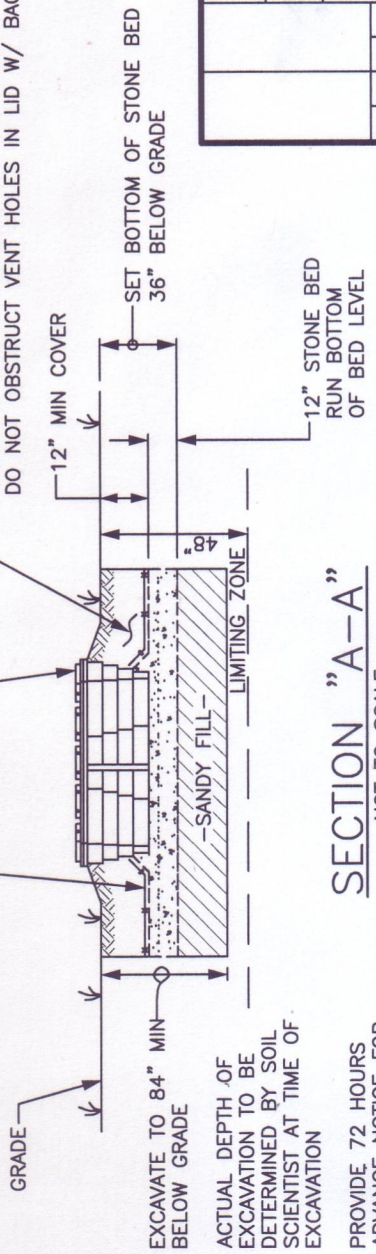
CONTACT SOIL SCIENTIST TO VERIFY SUFFICIENT DEPTH OF EXCAVATION DURING CONSTRUCTION PRIOR TO BACKFILLING.
PROVIDE 72 HOURS ADVANCE NOTICE FOR SCHEDULING.



PLAN VIEW
SCALE 1"=20'

BED OF CLEAN WASHED STONE ~ 3/4" TO 1" DIA COVER W/TYPAR FILTER FABRIC TYPE 3201 OR EQUAL PRIOR TO BACKFILLING

BACKFILL AND LIGHTLY COMPACT FILL MATERIAL (NOT SAND). GRADE AND COVER WITH TOPSOIL (6") SEED AND STRAW FOR EROSION PROTECTION DO NOT OBSTRUCT VENT HOLES IN LID W/ BACKFILL MATERIAL



SECTION "A-A"
NOT TO SCALE

ACTUAL DEPTH OF EXCAVATION TO BE DETERMINED BY SOIL SCIENTIST AT TIME OF EXCAVATION
PROVIDE 72 HOURS ADVANCE NOTICE FOR SCHEDULING



DISPOSAL AREA DETAIL

JAJ RENTALS LLC

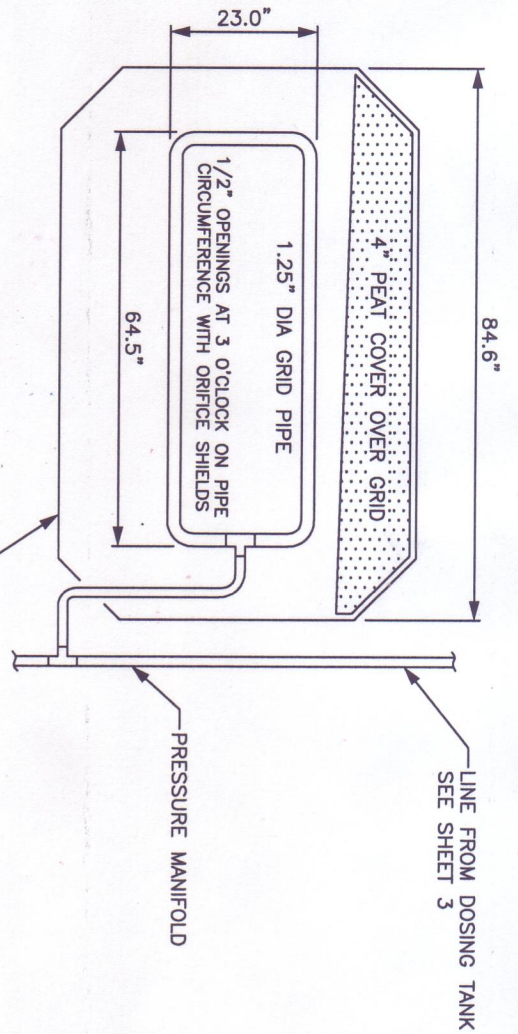
BYRON H. JEFFERSON
P.O. BOX. 161
LINCOLN, DE 19960

DATE: 6/25/26

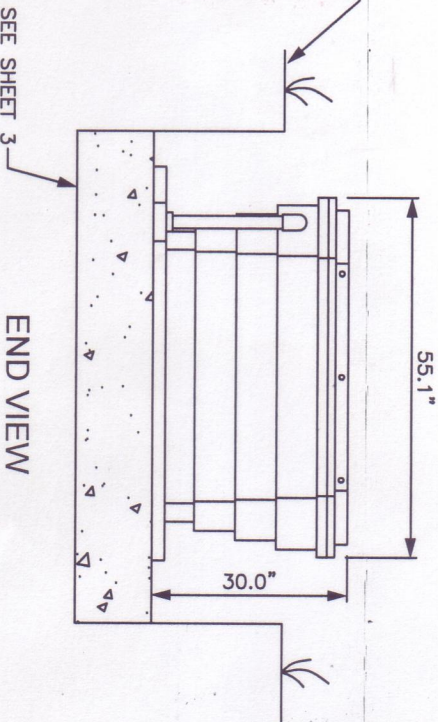
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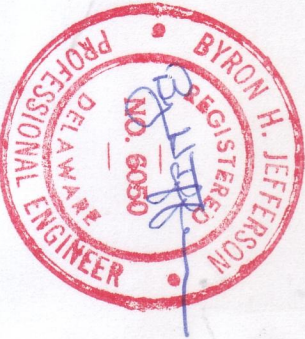
(302) 422-9568



PEAT BIOFILTER MODULE
BY PURAFLO (TYPICAL)
SEE SHEET 3



ELEVATION VIEW



BIOFILTER DETAIL

JAJ RENTALS LLC

BYRON H. JEFFERSON
P.O. BOX. 161
LINCOLN, DE 19960

(302) 422-9568

DATE: 6/25/26

SCALE: NTS

SHEET: 4

CALCULATIONS FOR PEAT MOSS SYSTEM
FOR DNREC USE ONLY - DO NOT INCLUDE IN PERMIT

Sheet 1 of 2

CALCULATIONS: JAJ Rentals LLC

12 BEDROOM HOME -----> 1440 GPD

@ 125 GPD / MODULE, NEED 12 MODULES

@ 45 MPI ASSIGNED 0.532 GAL / DAY / SQ FT -> 2,707 ft² REQUIRED
(USE THE GREATER OF THE CALCULATED MIN. OR PURAFLO MIN. OF 320ft²)
50 ft. x 55 ft. = 2,750 ft² PROPOSED

DOSING RATE - 7 TO 12 GPM / MODULE REQUIRED BY PURAFLO
WITH 6 MODULES, 42 TO 72 GPM REQUIRED
42 GPM PROPOSED

DOSING VOLUME - 5 TO 15 GAL / MODULE/DOSE
WITH 6 MODULES, 60 TO 180 GAL / DOSE REQUIRED
42 GPM x 1.5 MINUTE RUN TIME = 63 GAL / DOSE PROPOSED

TIMER SETTING
1.5 MINUTE RUN TIME EVERY 2 HOURS
12 DOSES / DAY x 84 GAL./DOSE = 1512 GPD

FOR DNREC USE ONLY - DO NOT INCLUDE IN PERMIT

Sheet 2 of 2

CALCULATIONS - **JAJ Rentals LLC**

DISPOSAL AREA - (REQUIRED)
(PROPOSED)

$$1,440 / 0.532 = 2,707 \text{ ft}^2$$
$$50 \text{ ft.} \times 55 \text{ ft.} = 2750 \text{ ft}^2$$

PIPE FRICTION LOSS

<u>DIA.</u>	<u>DESCRIPTION</u>	<u>FT</u>		<u>GPM</u>		<u>hf/100</u>	<u>hf</u>
2 "	INSIDE DOSING TANK	30	30 ft.	47 x 1 =	47	4.17	1.3
2 "	TRANSMISSION LINE	70	89 ft.	47 x 1 =	47	4.17	3.8
2 "	ELLS 90° x 3	16.5					
2 "	ELLS 45° x 1	2.5					
2 "	TEE SIDE-IN x 0	0.0					
2 "	MANIFOLD	47	71 ft.	47 x 1/2 =	23.5	1.16	0.9
2 "	TEE SIDE OUT x 1	12.0					
2 "	TEE-THRU x 3	12.0					
						<u>6.0</u>	

TOTAL HEAD REQ'D= hVELOCITY + hFRICTION + hSTATIC + hORIFICE = 11.8 ft.

(0.0) (6.0) (5.8) (0.0) @ 47 GPM

DOSING VOLUME: DOSE VOL. BY FLOATS- 4 " x 57.5 gal/in = 230.0 GAL. EFFECTIVE

MODELS

Order No.	HP	Phase	Volts	Max Amps.	RPM	Wt. (lbs.)	Heaters
WS0311B	1/2	1	115	9.8	1750	63	N/A
WS0318B			208	5.5			
WS0312B			230	4.9			
WS0511B	3/4	1	115	14.5		65	K34
WS0518B			208	8.0			
WS0512B			230	7.3			
WS0538B	1	3	200	3.8		85	K32
WS0532B			230	3.3			
WS0534B			460	1.7			
WS0718B	1/2	1	208	11.0	1750	85	K23
WS0712B			230	9.4			
WS0738B			200	4.1			
WS0732B	3/4	3	230	3.6			K33
WS0734B			460	1.8			
WS1018B	1	1	208	14.0		85	N/A
WS1012B			230	12.3			
WS1038B			200	6.2			
WS1032B	1	3	230	5.8			K42
WS1034B			460	2.9			

APPLICATIONS

Specifically designed for the following uses:

- Homes
- Sewage systems
- Dewatering/Effluent
- Water transfer

SPECIFICATIONS

Pump:

- Solids handling capabilities: 2" maximum.
- Discharge size: 2" NPT.
- Capacities: up to 185 GPM.
- Total heads: up to 38 feet TDH.
- Temperature: 104°F (40°C) continuous 140°F (60°C) intermittent.
- See order numbers on reverse side for specific HP, voltage, phase and RPM's available.

FEATURES

- **Impeller:** Cast iron, semi-open, dynamically balanced, non-clog with pump out vanes for mechanical seal protection. Optional Silicon bronze impeller available.
- **Casing:** Cast iron volute type for maximum efficiency. Designed for easy installation on A10-20 slide rail.
- **Mechanical Seal: SILICON CARBIDE VS. SILICON CARBIDE** sealing faces for superior abrasive resistance, stainless steel metal parts, BUNA-N elastomers.
- **Shaft:** Corrosion-resistant stainless steel. Threaded design. Locknut on three phase models to guard against component damage on accidental reverse rotation.
- **Fasteners:** 300 series stainless steel.
- Capable of running dry without damage to components.
- Designed for continuous operation, when fully submerged.

MOTORS

- Fully submerged in high grade turbine oil for lubrication and efficient heat transfer. All ratings are within the working limits of the motor.

Class B insulation. Single phase (60 Hz):

- All single phase models feature capacitor start motors for maximum starting torque.
- Built-in overload with automatic reset.
- 1/2 and 3/4 HP - 16/3 SJTOW with 115V or 230V three prong plug.
- 3/4 and 1 HP - 14/3 STOW with bare leads.

Three phase (60 Hz):

- Overload protection must be provided in starter unit.
- 1/2-1 HP - 14/4 STOW with bare leads.

- **Bearings:** Upper and lower heavy duty ball bearing construction.

- **Designed for Continuous Operation:** Pump ratings are within the motor manufacturer's recommended working limits, can be operated continuously without damage when fully submerged.

- **Power Cable:** Severe duty rated, oil and water resistant. Epoxy seal on motor end provides secondary moisture barrier in case of outer jacket damage and to prevent oil wicking. 20 foot standard with optional lengths available.

- **Motor Cover O-ring:** Assures positive sealing against contaminants and oil leakage.

- Consult factory for information on 575 V models.

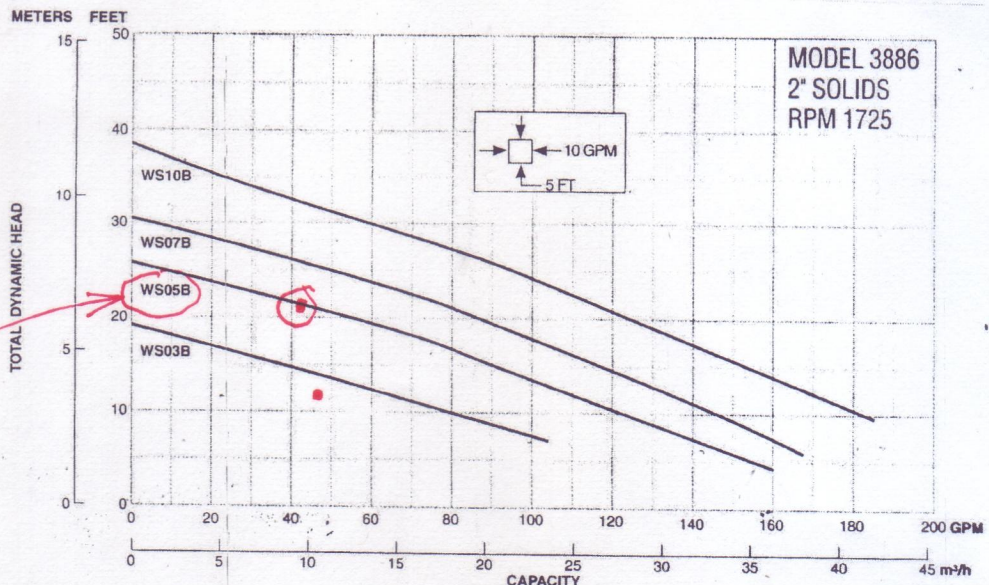
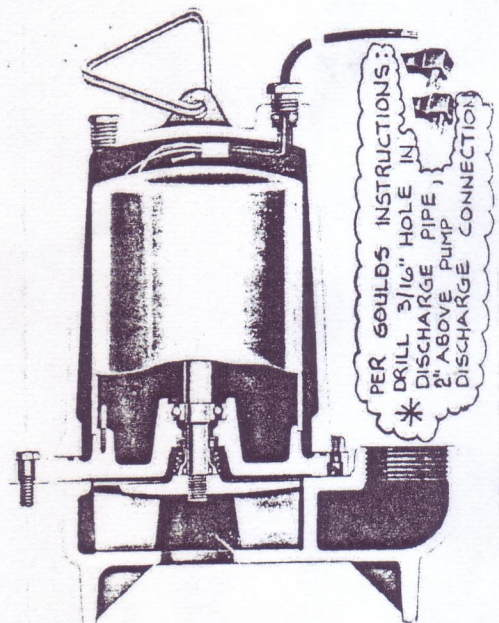
Submersible Sewage Pump

MODEL

3886

1/2 HP

2 PUMPS REQD



Goulds Pumps

MODEL TD Control Panel

Single phase, simplex timed dosing pump control.

The Model TD control panel provides a reliable means of controlling one single phase pump in onsite septic installations. A programmable timer activates a magnetic motor contactor to turn the pump on and off. A low level cutout float overrides the timer to prevent the pump from running dry. An alarm float activates the audio/visual alarm system indicating a high liquid level. Common applications include sand filter systems, pressure distribution systems, mound systems, or any application requiring a timed dose.

PANEL COMPONENTS

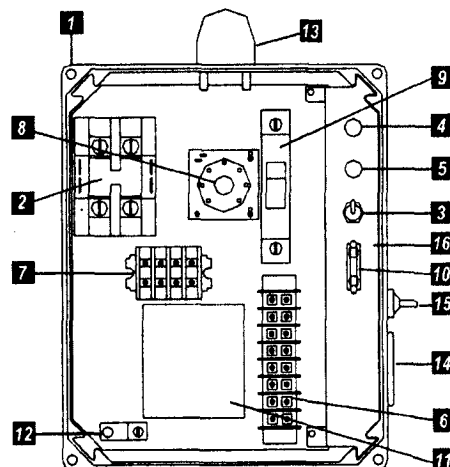
1. **Enclosure** measures 10 x 8 x 4 inches (25.40 x 20.32 x 10.16 cm) NEMA 4X (ultraviolet stabilized thermoplastic with removable flanges for outdoor or indoor use).
2. **Magnetic Motor Contactor** controls pump by switching electrical lines.
3. **HOA Switch** for manual pump control.
4. **Control Fuse**
5. **Alarm Fuse**
6. **Float Switch Terminal Block**
7. **Incoming Power Terminal Block**
8. **Programmable Timer** with separate variable controls allows for setting the on and off times from .05 seconds to 30 hours.
9. **Circuit Breaker** provides pump disconnect and branch circuit protection.
10. **Spare Fuse**
11. **Backplate Label** includes diagram of float, pump, and power connections.
12. **Ground Lug**

NOTE: Timer Installation Label and Pump/Float Switch Installation Specification Label are located inside the panel on enclosure cover.

STANDARD ALARM PACKAGE

13. **Red Alarm Beacon** provides 360° visual check of alarm condition.
14. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating).
15. **Exterior Alarm Test/Normal/Silence Switch** allows horn and light to be tested and horn to be silenced in an alarm condition. Alarm automatically resets once alarm condition is cleared.
16. **Horn Silence Relay** (mounted under bracket).

NOTE: other options available.



Model Shown TD1W914X

FEATURES

- Entire control system (panel and switches) is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Standard package includes one 20' SJE PumpMaster® pump switch and one 20' Sensor Float® control switch
- Complete with step-by-step installation instructions
- Three-year limited warranty



Timer to be set for **1.5** minute run time ("ON")
at **2.0** hour intervals ("OFF") daily.

SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.

SJE
Rhombus
CONTROLS

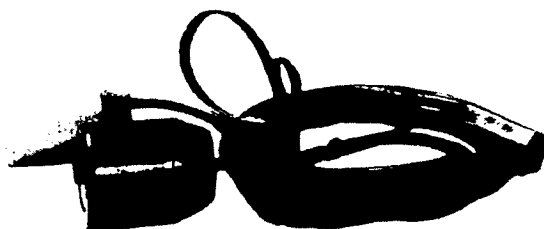
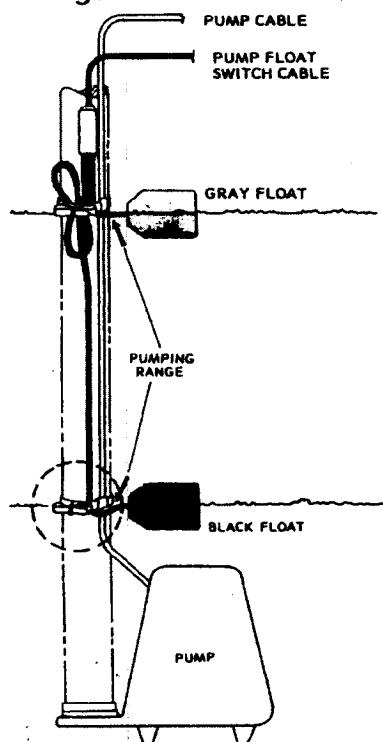
PO Box 1708, Detroit Lakes, MN 56502
1-888-DIAL-SJE • 1-218-847-1317
1-218-847-4617 Fax
email: sje@sjerhombus.com
www.sjerhombus.com

TANK ALERT® II PLUS INSTALLATION OPTIONS

DOUBLE FLOAT PUMP SWITCH

- Very accurately measures liquids in a wide pump range: 1" (2.54 cm) - 48" (121.92 cm).
- May be used with large or small pump chambers.
- Not sensitive to turbulence.

Figure A



DESCRIPTION

The Double Float pump switch consists of two floats ("on" float and "off" float), two cables, and two releasable mounting straps. The sealed floats contain heavy-duty mercury tilt switches with a holding relay sealed inside one float.

ELECTRICAL: 120V MODEL: 120V 60 Hz 1 HP-single phase
230V MODEL: 230V 60 Hz 2 HP-single phase

WARNING:

Connect 120V Double Float controls to 120 Volts only.
Connect 230V Double Float controls to 230 Volts only.

When ordering Double Float pump switch, specify 120V or 230V Model.

INSTALLATION

1. Decide the pumping range for your installation. (See Figure A). The distance between the float straps is the pumping range. Securely strap the float cables to the discharge pipe for the pump range you desire. The gray float must be the top float.
2. Allow the pump to cycle once to check your installation. (Float straps are releasable which permits readjustment.)

U.S. Patent Numbers 4262216 and 4291261

FOR
ALARM

Mercury Float Switch



A2-3

- Mercury Fluid Contacts
- Normally Open Design
- 150°F (65°C) Max. Temp.
- Includes:
 - Polyurethane Foam Float
 - 15' SJO, Neoprene Cord
 - Lead Weight and Mounting Strap
- Suitable for Pilot Control; Duty up to 230V Max.

CHECK VALVES

PLASTIC CHECK VALVES

- Compression Seal Connection for Easy Installation
- Swing Design Flapper Prevents Clogging
- Available for Pipe Size 1¼", 2", 3"

Pipe Size

Order No.

1¼"

A9-12P

2"

A9-2P

3"

A9-3P



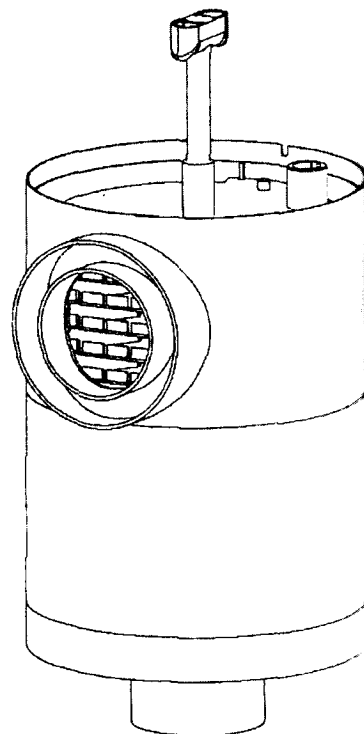
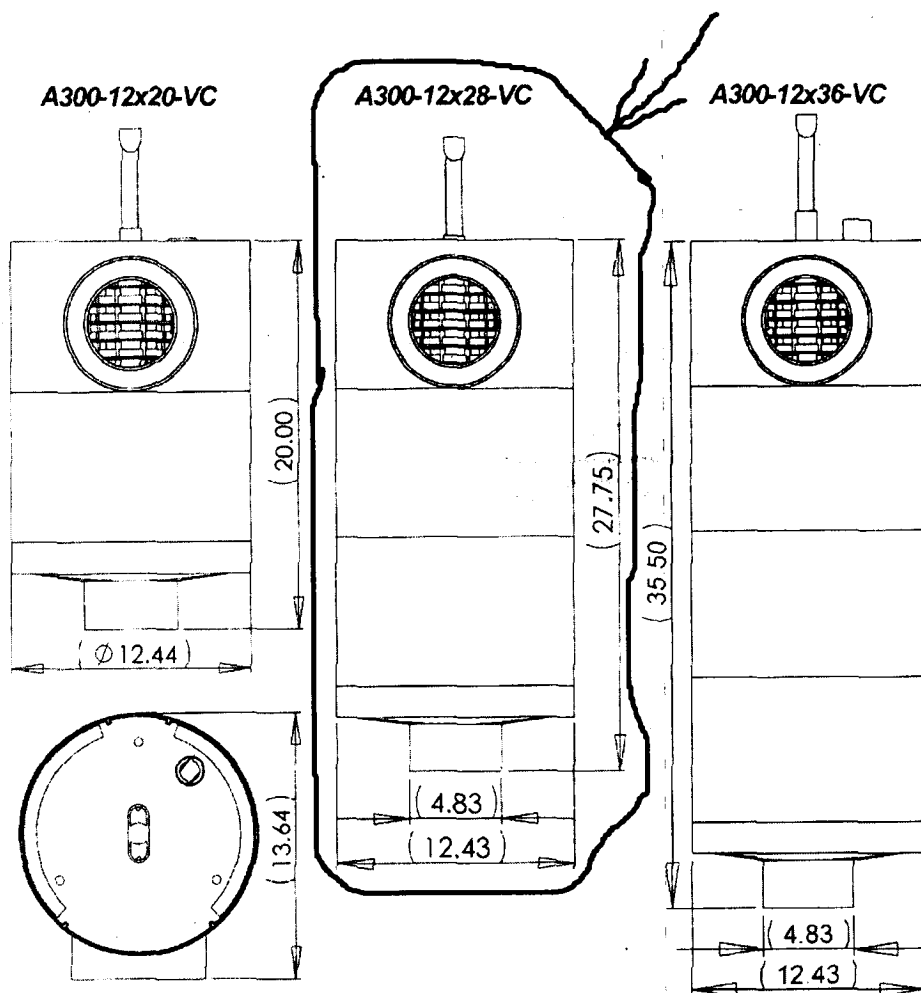
Effluent Filters

Filter Series (A300™-12 Series)

A300-12x20-VC, **A300-12x28-VC**, A300-12x36-VC

Features

- Ideal effluent filter for use in grease traps, dog kennels, beauty shops, and laundromats
- Average of 50% to 90% reduction in TSS within 6 months of installation
- Average of 20% to 45% reduction in BOD₅ within 6 months of installation, reduction is dependent on the make-up of the wastewater
- Average of 60% to 90% reduction in FOG within 6 months of installation



Product Information 054 / Pricing 204



Residential
Appliance
Certified to
ANSI/NSF
STANDARD 42



Zabel Environmental Technology
P.O. Box 1520, Crestwood Ky. 40014

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Product(s) covered by one or more U.S. and/or International patents. Other U.S. and International patents may be pending.

Site Evaluation
Number:
574918

**MULTI FAMILY RESIDENTIAL
REPLACEMENT SITE EVALUATION**
By ARM, INC.
APPROVAL PAGE 1 of 3

Paid & Received
Division of Water
\$ 250.00 06/03/2026

The soils on this site are approved when the following is completed in full and signed by the approving authority. The information contained in this Site Evaluation reflects Delaware Department of Natural Resources and Environmental Control (DNREC) policies and procedures at the time of the review. Exhibits and Regulations cited in this report refer to DNREC "Regulations Governing the Design, Installation, and Operation of On-Site Wastewater Treatment and Disposal Systems" (OWTDS). Isolation distance requirements, limited area of suitable soils, filling, removal, and/or compaction of the soil may negate construction permit approval or modify the type of system that can be permitted. All information should be verified by interested parties prior to design and installation of the OWTDS. This is not a construction permit. Approval of this Site Evaluation is limited to five years. Upon expiration, a new Site Evaluation will be required in compliance with Regulations in effect at the time. There are no guarantees supplemental approvals will be for the same system type (s) prescribed herein.

Property Ownership: JAJ Rentals LLC

Tax Map #: 3-31-3.00-19.00 (Lot # 6, Drainfield)

Project Area Includes Tax Map #s: 3-31-3.00- Parcel 17.03 (Lot 4, Well) and Parcel 17.04 (Lot 5, 4 Unit Apartment Building)

Replacement OWTDS Options:** *Sand-Lined Capping Fill Gravity Fed/ Pressure Dosed BED (recommended) OR other applicable *Sand-Lined Conventional (i.e. SLESM) or *Sand-Lined Innovative and Alternative (I/A; i.e. *Peat Fiber Biofilter) OWTDS. Proctored *Excavation & *Sand-Lining backfill (quality engineered sandy fill) is required to 84 inches (maximum # 1) beneath grade Or to 1 foot beneath hydraulically limiting strata/ disturbances/ existing system (maximum # 2) – whichever is deeper. Due to the available replacement area, an excavation invert of 84 inches is required to mitigate: a) Surficial disturbances related to the former land-uses (i.e. potential for fill materials/ compaction) and stumps/ root mat; b) Hydraulically limiting loamy materials (especially given available area and wastewater volume); and c) The existing system/ deeper disturbances (i.e. cuts/ fills/ stump holes, where encountered. BED methodology is strongly recommended by the Evaluator to continuously mitigate hydraulically limiting materials/ spoiled soils. OWTDS options are provided Exhibit C isolation distances (especially well) are maintained (plat date prior to 1984).

***Sand-Lining Requirements:** *Sand-lining is recommended beneath drainfield entirety & basal area limits of the absorption facility. Exceptions may be made in proximity to the building foundation and property line where it should be angled to the extent practicable. The installer should not excavate deeper than 84 inches beneath grade to the extent practicable or as directed by a Site Evaluator under the approval/ discretion of DNREC. The client and installer should be prepared for the expense of deeper sand-lining, if warranted. Proctoring by a Site Evaluator is required under Section 5.3.12.6.5. Please provide 72 hours pre-construction notice (subject to additional costs) – Note to be placed PROMINENTLY on Permit Construction Plan / Conditions Page-s. Site Evaluator is amenable to *Sand-lining of I/A design/ technology OWTDS. The upper portion (approximately 0 to 24 inches) of spoil (non-vegetative and not formerly in contact with wastewater) is porous and suitable for system cover; however, the finest materials excavated are to be removed from the drainfield area/ parcel.

****Drainfield (Pad/ Absorption Facility) Recommendations:** Drainfield installation below 24 inches beneath present grade at average elevations is not recommended for all OWTDS drainfield methodologies (24 inch minimum separation distance between the invert of drainfield/ absorption facility and limiting zone). Maximize drainfield (12" gravel thickness; quality stone aggregate) in available area to a minimum of 750 square feet per EDU irrespective of wastewater volume or the extent practicable. Maximize setback between Peat Fiber Biofilter modules to 10 feet or the extent practicable (12" gravel thickness; 4:1 Bed-Pad Ratio). Professional collaboration with Site Evaluator is welcome at all stages of design and installation. ARM, Inc. accepts no/ limited professional liability for siting of an OWTDS that does not adhere to/ exceed these recommendations.

****User Notes/ Cautions - ATYPICAL CONDITIONS:** Please place the pertinent notes PROMINENTLY on the Permit Construction Plan/ Conditions Pages. It is recommended that this Site Evaluation be made an addendum to the Permit based on soil and site conditions. Professional collaboration with the Site Evaluator is welcome at all stages of design and installation to ensure a positive outcome. **There are ATYPICAL CONDITIONS present within the evaluated area as a result of:**
a) Deep, fine loamy materials (dense in situ) with limited vertical and horizontal transmissivity; b) Limited replacement area due to physical lot size/ configuration given site development improvements; c) Well setbacks; d) It is imperative that the system be installed during proper moisture conditions with zones of saturation greater than 7 feet – a recommendation that may limit the time of year for system installation. Construction recommendations for this parcel avoid poor drainfield performance in the absence of deep sand-lining of in-situ materials. Work on this property should be by experienced wastewater professionals (designer and installer), working during proper soil moisture conditions (zones of saturation greater than 7 feet beneath grade; installer), utilizing quality drainfield materials (quality engineered sandy fill and washed aggregate with pipe strongly recommended). An OWTDS-Septic Permit is recommended prior to additional site planning or financial transactions. The following Site Evaluator recommendations - Continued on Approval Page 2 of 3 -

06/02/2026

Atlantic Resource Management, Inc., Job # 043-DS26-CRE

MULTI FAMILY RESIDENTIAL REPLACEMENT SITE EVALUATION - APPROVAL PAGE 2 OF 3

Property Ownership: JAJ Rentals LLC

Tax Map #: 3-31-3.00-19.00 (Lot # 6, Drainfield)

****User Notes/ Cautions - ATYPICAL CONDITIONS - Continued from Approval Page 1 of 3:** are applicable: **1)** The OWTDS area is depicted irrespective of well setbacks. Where found, well construction documents are attached with info. noted on the *Plot Drawing* for the impacting wells. *In lieu of a replacement well(s)*, Exhibit C allows for an additional **12 inch separation distance** (requires an *incised*, Sand-Lined Elevated Sand Mound with a 48 inch separation distance) or *Innovative and Alternative Design/ Technology/* PSN3 Advanced Treatment Unit to mitigate well setbacks from **100 to 50 feet**. Well setbacks may modify or negate these prescriptions or *require a new well to be constructed*. **2)** The entire project area (3 parcels) was evaluated for replacement OWTDS. Should the drainfield be sited on Parcels 17.03 or 17.04, a separate Site Evaluation for OWTDS will be required based on present DNREC Operational Policy for 1 Site Evaluation per Tax Map Parcel. Contact the Site Evaluator if additional or an alternative location is required. The unshaded areas are not recommended for OWTDS due to well setbacks or improvements. **3)** The site is a maintained lawn with scattered trees (mixed aged, but includes large hardwoods, loblolly pines, and ornamentals). There are significant existing improvements (dwelling, paved driveway, 4 sheds on paved pad, concrete pad, well, existing system, underground and overhead utilities). If trees are encountered, follow the DNREC *Clearing Guidelines*. A degree of engineered sandy fill will be required to immediately backfill stump holes and areas of significant roots, *if deeper than the prescribed invert*. A 20 to 30 feet setback is recommended between the drainfield and the trees (consider lateral root intrusion; DNREC requires a 10 feet setback Or a *Tree Waiver* from the ownership). Consult the ownership regarding the impact to scattered trees. **4)** ***Sand-lining to a depth of 84 (maximum # 1) inches to one foot/ immediately beneath the existing system/ deep soil disturbances (maximum # 2, no deeper without the permission of a Site Evaluator/ DNREC) inches beneath grade is required by the Site Evaluator due to soil and site conditions.** Proctoring by a Site Evaluator (i.e. soil moisture conditions, quality materials verification, drainfield – soil interface) is **required** (Please provide copy of Permit and 72 hours pre-construction notice, *subject to additional costs*) – **Note to be placed on Permit Construction Plan / Conditions Page-s.** **5)** The surface mantle materials (generally, upper 3 feet) are porous and are suitable for re-use in the system cover; however, the finest materials should be removed from the drainfield area and lot. As noted, *Atypical* conditions exist on this lot with respect to a thick, deep hydraulically limiting strata. **6)** *Where applicable, existing septic facilities are to be abandoned by the appropriate DNREC Licensed Septic Contractor.* **7)** Final grading must ensure that no surface water be directed towards the OWTDS area (includes roof downspout and impervious area/ stormwater runoff - drainage). **Irrigation use**, system over-trafficking, water treatment/ sump/ stormwater discharge, and/ or tree plantings in the drainfield area are prohibited activities by the Site Evaluator. Cautions are imperative given site/ soil conditions and practice will void this Site Evaluation and negate professional liability.

Location of System: As shaded (cross-hatched) on the *Plot Drawing* in the vicinity of Soil Borings 3, 4, and 5 (Parcel 19.00).

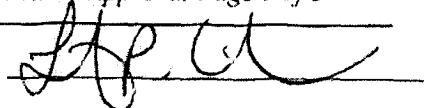
Limiting Zone Depth(s): 48 inches (*no deeper at average elevations*) inches to *prolonged* indications of the *seasonal high water table and/ or zones of seasonal saturation* (with noted deep ***Sand-lining to 84 inches**). A specific separation distance is **strongly** recommended due to the depth to and range in thickness of a hydraulically limiting strata with limited transmissivity and mounding potential. **Gravel placement beneath 12 (optimal; with 36 inch separation distance) to 24 (maximum; with 24 inch separation distance) inches of grade is not recommended for any methodology.**

Design Considerations and Comments - ATYPICAL CONDITIONS: Where applicable, see Exhibit M/ S {Capping Fill Gravity Fed/ Pressure Dosed with **maximum gravel at 12 inches** bgs. at downhill elevations (****Drainfield Benchmark:** Soil Borings 3 and 4 and downhill perimeter of design area) and run level with **gravel maximum at 14 inches** bgs. at highest site elevations (****Drainfield Benchmark:** Soil Boring 5 and uphill design area elevations) for a **36 inch separation distance OR 12 inches (36 inch separation distance bgs.)/ 0 inches (48 inch separation distance)** in the case of an Elevated Sand Mound, *incised* (Exhibit Q) - see Limiting Zone note regarding separation distance and well setbacks)} and Exhibit T (Sand-Lining, quality engineered sandy fill). For an *I/A* OWTDS, see Section 5.3.31/ appropriate *Section-Exhibit-Guideline (Operation and Maintenance required for I/A)*. Pressure dosing (Exhibit S), a lift station (Exhibit I recommended, *if necessary*), or an alteration of the building sewer elevation may be required due to lines and grades. **Gravel aggregate** (quality washed) drainfield materials are **strongly recommended**. Other Conventional or *Innovative and Alternative* OWTDS options are available at the discretion of the interested parties; *however* see the Site Evaluator ****Drainfield Recommendations** on the *Approval Page 1*. A 100 ft. isolation distance is **generally** required from all non-public wells (150 feet to Public and Industrial wells) unless otherwise approved on a case by case basis – reference Water Supply Branch at (302) 739-9944/ Exhibit C (parcel plat date *prior to* 1984). Well setbacks may be mitigated to 50 feet per Exhibit C (i.e. additional 12 inch separation distance, *Innovative & Alternative design/ technology* OWTDS or PSN3 Advanced Treatment Unit).

This evaluation is to site one new, joint shared **replacement On-Site Wastewater Treatment and Disposal Systems** (OWTDS-septic) for a Multi Family Residential Building (4 Apartments in the - *Continued on Approval Page 3 of 3* -

06/02/2026

Atlantic Resource Management, Inc. Job # 043-DS26-CRE



MULTI FAMILY RESIDENTIAL REPLACEMENT SITE EVALUATION - APPROVAL PAGE 3 OF 3

Property Ownership: JAJ Rentals LLC

Tax Map #: 3-31-3.00-19.00 (Lot # 6, Drainfield)

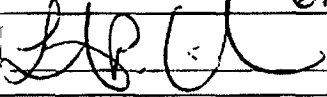
Project Area Includes Tax Map #s: 3-31-3.00- Parcel 17.03 (Lot 4, Well) and Parcel 17.04 (Lot 5, 4 Unit Apartment Building)

Design Considerations and Comments - ATYPICAL CONDITIONS - Continued from Approval Page 2 of 3 - :

Residential Building per Clientele; visible on 1960 aerial) with a maximum wastewater volume of 2,000 gallons per day (loading rate for work scope given site and soil conditions). See the ****User Notes/ Cautions on Approval Pages 1 & 2.** No Permit was found for the on-site Septic System despite extensive research by address, Tax Map number, ownership, grid search, and area Well/ Septic Permits. There is a dosing chamber which would imply construction since 1984. For a Commercial OWTDS, maintain the appropriate siting density as set forth in Section 3.31.15; interested parties should consider **tankage** that allows for project flow equalization, *where applicable*; and a water meter is recommended to quantify actual system usage. **Additional wastewater filtration is recommended due to proposed land-use. *Sand-lining** will be required to update the existing system(s)/ soil disturbances (*where encroached upon*), spoiled soils, and hydraulically limiting materials. Proctored ***Sand-lining is required** by the Site Evaluator due to soil and site conditions (Section 5.3.12.6.5). The evaluated area is presently a maintained lawn with scattered trees (hardwoods and pines, some large) and improvements (see ****User Notes/ Cautions # 3**). Follow the DNREC **Clearing Guidelines**. Slopes are generally 0 to 1 percent in the OWTDS design area with a slight cross-grade. See the *Plot Drawing* for slope degree/ direction; and County LiDAR topographic data. The system designer should verify slopes in the drainfield location. **System installation and all site work (including lot clearing) should occur during PROPER SOIL MOISTURE CONDITIONS (zones of saturation greater than 7 feet)** and final grading must ensure that no surface water be directed towards the OWTDS area (includes roof downspout and impervious area drainage or sump pump discharge). **Irrigation use, system over-trafficking, water treatment/ sump discharge, stormwater/ drainage runoff, and/ or tree plantings in the drainfield area are prohibited activities by the Site Evaluator and practice will void this Evaluation.** All pertinent features were located on a *Plot Drawing* adapted from the referenced Deed and Record Plot. All pertinent features were field located with a differential GPS unit and are referenced to the found property corners (iron pipes) and Utility Pole DPL 47041 04771 - see *Plot Drawing*. This drawing is *not* a formal survey and should *not* be construed as such. This *Plot Drawing* is not a survey, nor should it be construed as such. **The system designer is to field-verify all measurements and isolation distances prior to permitting.** ARM, Inc. is not responsible for any subsurface conditions not encountered at the time of this evaluation, which may become evident in the future that affect the placement or design criteria of the OWTDS. Conditions between borings are, in fact, unknown. This is an important consideration given the former land-uses.

Future Replacement Disposal System Type: Same as above or sand-lined upgrade in area of initial system(s)

Instructions to Property Ownership – Clientele: 1) Contact a Class B (gravity fed) or C (gravity fed - pressure dosed - I/A) System Designer. 2) With Deep ***Sand-Lining**, a percolation rate of 45 (and/ or maximize with ****Drainfield Recommendations**) minutes per inch has been assigned to these soils based on Section 5.0 and upon rates as provided in Exhibit Y of the Regulations and other site/ soil factors (see *Report Page, Summary of Evaluation*). You may use the assigned rate or, at your expense, have a percolation test conducted. If you do not choose to use the assigned percolation rate, contact a Class A Percolation Tester to have 3 tests conducted. Contact the Evaluator for testing depth/ location/ methodology. 3) If you have questions, **call the Site Evaluator at (302) 539-2029 or DNREC at (302) 856-4561 (Sussex County, Georgetown Office) or (302) 739-9947 (Kent/ New Castle County, Dover Office).**

This report has been prepared by or under the supervision of:  L. P. Erickson, License # A/D-2460

Disclaimer: Approval of this Site Evaluation indicates only that the Site Evaluation, based on information presented to us, was conducted in compliance with these Regulations. It is not an indication of the correctness or quality of the evaluation nor does it guarantee the evaluation is free of omissions.

Field Checked _____

For office use only

Expiration Date 6/5/2031

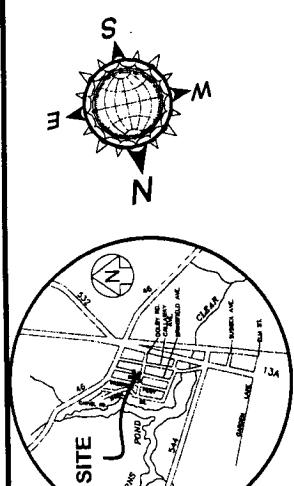
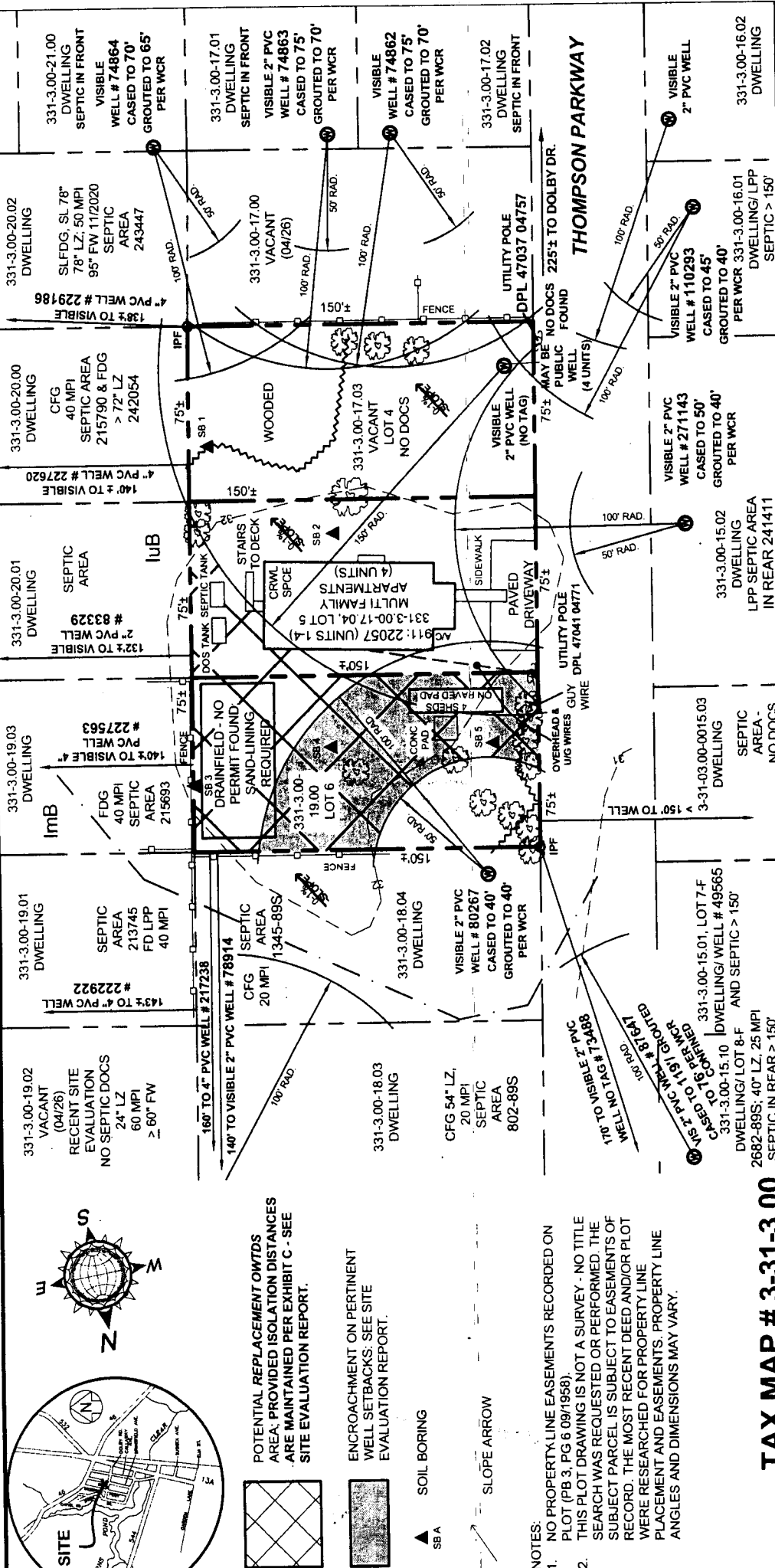
The Class D licensee is responsible for errors/omissions.
If there are questions regarding this report, contact the Class D licensee.

Wooded Lot- Refer to lot clearing guidelines.

DNREC APPROVED

DNREC Reviewing Soil Scientist

Date 6/5/2026



POTENTIAL REPLACEMENT OMTDS AREA: PROVIDED ISOLATION DISTANCES ARE MAINTAINED PER EXHIBIT C - SEE SITE EVALUATION REPORT.

ENCROACHMENT ON PERTINENT WELL SETBACKS: SEE SITE EVALUATION REPORT.

▲ SOIL BORING
SBA

— SLOPE ARROW

NOTES:

1. NO PROPERTY LINE EASEMENTS RECORDED ON PLOT (PB 3, PG 6 09/1958).
2. THIS PLOT DRAWING IS NOT A SURVEY - NO TITLE SEARCH WAS REQUESTED OR PERFORMED. THE SUBJECT PARCEL IS SUBJECT TO EASEMENTS OF RECORD. THE MOST RECENT DEED AND/OR PLOT WERE RESEARCHED FOR PROPERTY LINE PLACEMENT AND EASEMENTS. PROPERTY LINE ANGLES AND DIMENSIONS MAY VARY.

TAX MAP # 3-31-3.00

PARCELS 17.03; 17.04, & 19.00

LOTS 4, 5, & 6; BLK G

LAKESHORE DEV.

SUSSEX COUNTY, DELAWARE

ATLANTIC RESOURCE MANAGEMENT, INC.

(302) 539-2029

(302) 381-3695

DE@atlanticresource.net

ENVIRONMENTAL CONSULTANTS

32717 Lavender Lane
Fankford, DE 19945

LOT SIZE: 33,750 SQ. FT. ± TOTAL	DATE: APRIL 26, 2026
DE 5285, PG 43	SHEET NO. 1 OF 1
REF: PB 3, PG 6 (09/1958)	
DRAWN BY: ARM, INC.	
CHECKED BY: J. LEBERSON	
JOB #: 043-0528-CHE	
TAX MAP: 3-31-3.00, P. 17.03, 17.04, 19.00	
PROJECT: JAJ RENTALS LLC	
TITLE: SITE EVALUATION PLOT DRAWING	

ARID: 331-3.00-19.00

JAJ RENTALS LLC

DRAINFIELD LOT

Property Information

Property Location:

Unit:

City:

State:

Zip:

Class:

R-Residential

Use Code (LUC):

100-Residential - Vacant Land

Town

00-None

Tax District:

331 - SEAFORD

School District:

3 - SEAFORD

Fire District:

87-Seafood

Calc'd Acres:

.2583

Frontage:

75

Depth:

150.000

Irr Lot:

Plot Book Page:

/PB

100% Land Value:

\$40,300

100% Improvement Value

\$0

100% Total Value

\$40,300

Legal

Legal Description

LAKESHORES

LOT 6

BLK G

Owners

Owner	Co-owner	Address	City	State	Zip
JAJ RENTALS LLC		24133 SNUG HARBOR DR	SEAFORD	DE	19973

ARID: 331-3.00-17.03
JAJ RENTALS LLC

WELL LOT

Property Information

Property Location:

Unit:

City:

State:

Zip:

Class:

R-Residential

Use Code (LUC):

100-Residential - Vacant Land

Town

00-None

Tax District:

331 - SEAFORD

School District:

3 - SEAFORD

Fire District:

87-Seafood

Calc'd Acres:

.2583

Frontage:

75

Depth:

150.000

Irr Lot:

Plot Book Page:

/PB

100% Land Value:

\$40,300

100% Improvement Value

\$0

100% Total Value

\$40,300

Legal

Legal Description

LAKESHORES

LOT 4

BLK G

Owners

Owner

Co-owner

Address

City

State

Zip

JAJ RENTALS LLC

24133 SNUG HARBOR DR

SEAFORD

DE

19973

ARID: 331-3.00-17.04

JAJ RENTALS LLC

BUD 6

LOT

22057 THOMPSON PKWY

Property Information

Property Location: 22057 THOMPSON PKWY

Unit: 1

City: SEAFORD

State: DE

Zip: 19973

Class: R-Residential

Use Code (LUC): 102-Multi Family Dwelling

Town: 00-None

Tax District: 331 - SEAFORD

School District: 3 - SEAFORD

Fire District: 87-Seafood

Calc'd Acres: .2583

Frontage: 75

Depth: 150.000

Irr Lot:

Plot Book Page: /PB

100% Land Value: \$58,300

100% Improvement Value: \$453,700

100% Total Value: \$512,000

Legal

Legal Description: LAKESHORES

LOT 5

BLK G

Owners

Owner	Co-owner	Address	City	State	Zip
JAJ RENTALS LLC		24133 SNUG HARBOR DR	SEAFORD	DE	19973