



Howard County
Health Department

Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

RECEIPT DATE: 7-18-22 Maura J. Rossman, M.D., Health Officer
ONSITE SEWAGE DISPOSAL SYSTEM

P 572095

APPROVAL DATE: 11/23/2022 **PERMIT: CONSTRUCTION**

A _____

PROPERTY ADDRESS: 10537 Pudding Lane

SUBDIVISION: Kings Forest

LOT: 28

TAX ID: _____

CONTRACTOR: Charis Enterprises + Septic Services EMAIL: _____

CONTRACTOR ADDRESS: 3460 Bypass Rd, Forest Hill, MD 21050

PHONE: 410-838-1200

CONTRACTOR CERTIFIED FOR BAT INSTALLATION: ☒

MDE

☒

MANUFACTURER: Norweco

PROPERTY OWNER: Toll Brothers

EMAIL: Sriley1@tollbrothers.com

OWNER ADDRESS: 6731 Columbia Gateway Drive, Suite 120

PHONE: (410) 872-9105

BAT UNIT MODEL: Norweco

PUMP SIZE: M:EP50

PUMP TANK CAPACITY: 2000 Gallon

OPERATION & MAINTENANCE AGREEMENT

DATE SIGNED: 6/20/2022

DATE RECORDED: 7/13/2022

DISTRIBUTION SYSTEM: ☐ GRAVITY

☒ PRESSURE DOSED

BEDROOMS: 5

APPLICATION RATE: 0.8

TRENCHES:	LINEAR FEET REQUIRED:	<u>197.00</u>	INLET DEPTH:	<u>3'</u>
	TRENCH WIDTH:	<u>3'</u>	MAXIMUM BOTTOM DEPTH:	<u>8'</u>
	MINIMUM SPACE BETWEEN TRENCHES:	<u>10'</u>	EFFECTIVE AREA BEGINNING DEPTH:	<u>6'</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND BAT UNIT LOCATION MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.			
NOTES:	***** Electrical Permit Needed *****			

ISSUED BY: Dana Bernard

ISSUE DATE: 7/26/2022

EXPIRATION DATE: 7/18/2023

NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION

NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING

NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.

NOTE: WATERTIGHT SEPTIC TANKS REQUIRED

NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE AT LEAST 100 FEET DOWNGRADIENT FROM ANY WATER WELL

NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

NOTE: AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM

☒ ELECTRICAL PERMIT ISSUED

E

22004193

NOTE: AN INDIVIDUAL CERTIFIED BY MDE AND THE MANUFACTURER FOR BAT INSTALLATION MUST BE PRESENT AT ALL TIMES DURING BAT INSTALLATION.

NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.

PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.

CALL 410-313-1771 TO SCHEDULE INSPECTIONS.

NOT TO SCALE

See separate sheet
for As-Built

ROAD NAME

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3'	3'	8'
NUMBER OF TRENCHES		5
TOTAL LENGTH		197 F
ABSORPTION AREA		591 SF + 2' SIDE WALL
DISTRIBUTION BOX LEVEL		LPD
DISTRIBUTION BOX BAFFLE		-
DISTRIBUTION BOX PORT		-

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL	
MANUFACTURER	BACKLIVER
CAPACITY	TNT LP 3500 GAL
SEAM LOC	TOP
TANK LID DEPTH	-3'
BAFFLES	BAT
BAFFLE FILTER	BAT
MANHOLE LOC	FRONT/MID/BACK
6" PORT LOC	-
WATERTIGHT TEST	-
SLOTTED	BAT
DATE ON LID	10/17/2022
PUMP/SEPTIC TANK LEVEL	
YES	
MANUFACTURER	BACKLIVER
CAPACITY	2000 GAL
SEAM LOC	TOP
TANK LID DEPTH	-3'
BAFFLES	-
BAFFLE FILTER	-
MANHOLE LOC	FRONT/BACK
6" PORT LOC	-
WATERTIGHT TEST	-
SLOTTED	-
DATE ON LID	-

PRE-CONSTRUCTION:

10/11/2022 SDA IS CUT/CLEAR @ PROXIMAL TR. END; 24'-6" LOWER - USE LASER FROM DISTAL END. P

INSTALLATION: 10/17/2022 IS COMPLETED; ALL TRENCHES COMPLETE. LATS CONSTRUCTED PER SPEC. P 10/18/2022 MAINS COMPLETE; SEWER LINE INSTALLED P 11/9/22 - pump's alarm failed inspection, no electricity to the house. P 11/10/2022 Reinspected electrical. Box labeled. Alarm functions. P 11/16/2022 System failed to pressurize at pump test. Confirmed pump is spec. per plans. P 11/17/2022 Onsite for 2nd pump pressure test. T1 = did not pressurize, T2 = got 12" of distal head. T3/T4/T5 = 34" +. May need to up the pump size. 11/22/2022 Pump was changed out to different

FINAL INSPECTOR

DATE OF APPROVAL

Model: All laterals pressurized except for T1 = 12". Redline rec'd from engineer (Kew)

$\sim 1:30$

Not 29

PROP $\frac{1}{2} \frac{1}{2}$

100' WELL ARE

House

22

Lot 27

Δ

10537 PUDDING LANE

Wolf, Kevin

From: Michael Boyce <MBOYCE@eseconsultants.com>
Sent: Tuesday, November 22, 2022 4:48 PM
To: Wolf, Kevin
Cc: Greg Simons; Ryan Ketner
Subject: lot 28
Attachments: 3502 BAT Lot 28 (Redlined 11-22-22).pdf

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

All,

Please see attached redlined BAT plan for lot 28 at Kings Forest.

The red line information reflects the asbuilt information (trenchs and tank) AND the reported test results from the field with HD on 11/22/22 of 18" distal head in trench 1.

however it is my understanding that on 11/21/22 Toll and the installer performed a test without HD present, and they achieved 22" reading on trench 1.

The asbuilt information shows that the tank was set 1' lower than plan, increasing the static head by 1'. I believe this is the cause of the discrepancy encountered.

Running the calculations with the asbuilt information, and the testing information, it appears that a 1 hp pump is acceptable allowing for a distal head of 18".

18" distal head lowers the GPM from 101.94 to 92.11. a 9% variance from original plan.

Based on the above information, I believe, although the tank was installed deeper than deigned, at best case the system will perform as designed., and worse case the system will perform within 10% tolerance of design.

Michael Boyce

Regional Director – ESE, Survey

ESE Consultants, Inc.

6731 Columbia Gateway Drive, Suite 120, Columbia, MD 21046

P: 410-381-3058 C: 410-365-4175

www.eseconsultants.com

[LinkedIn](#)



BACK RIVER PRE-CAST, LLC
 PO BOX 329
 GLYNDON, MD 21071
 PH# 410-833-3394

NORWECO CERTIFICATION

PROPERTY OWNER: TOLL MID-ATLANTIC	INSTALLATION COMPANY: CHAVIS SEPTIC
ADDRESS: 10537 PUDDING LANE	CERTIFIED INSTALLER: JOSH CHAVIS
CITY, ZIPCODE & COUNTY: ELLICOTT CITY, 21042, HOWARD	PERMIT#
SIZE OF SYSTEM INSTALLED:	DATE INSTALLED: 10-19-22
750 GPD CONCRETE	START-UP DATE: 11-08-22
NUMBER OF BEDROOMS:	DATE OF FINAL INSPECTION:
TYPE OF INSTALLATION: NEW	DATE OF ELECTRICAL INSPECTION:
ELECTRICAL WIRING PER ELECTRICAL INSTRUCTIONS: YES	TANK LEVEL: YES
HT. OF CONTROL PANEL ABOVE FINAL GRADE: 36"	BURIAL DEPTH OF TANK: 36"
SYSTEM WIRED ON A 15-AMP DEDICATED CIRCUIT WITH STD. BREAKER: YES	RISERS 4" - 6" ABOVE GRADE: YES
LENGTH(S) OF UF WIRE PAST LAST AERATION RISER(S): 30"	VENTED LID(S) ON AERATION CHAMBER(S): YES
FEMALE PLUG(S) WIRED TO UF WIRE: YES	ANY GROUND SETTLING AROUND TANK:
CONDUIT(S) ENTERING AERATION RISER MADE WITH A WATERTIGHT CONNECTION: YES	NO
ISTHE INSIDE OF THE CONDUIT ENTERING THE CONTROL PANEL(S) AND AERATION RISER(S) SEALED WITH DUCT SEAL: YES	

ON 2ND PAGE MAKE A ROUGH SKETCH OF THE HOUSE ,WHERE THE SYSTEM IS LOCATED, WHERE THE CONTROL PANEL IS LOCATED , WHERE THE FRONT OF THE IS AND DIRECTIONS TO THE PROPERTY.

DIRECTIONS CAN START A FEW STREETS AWAY

EXAMPLE: RT. X LEFT ONTO XX STREET RIGHT ONTO PRIVATE DRIVEWAY 5TH HOUSE OF THE LEFT.

I certify that the Norweco Singulair TNT Wastewater Treatment System was installed according to the manufacture's specifications.

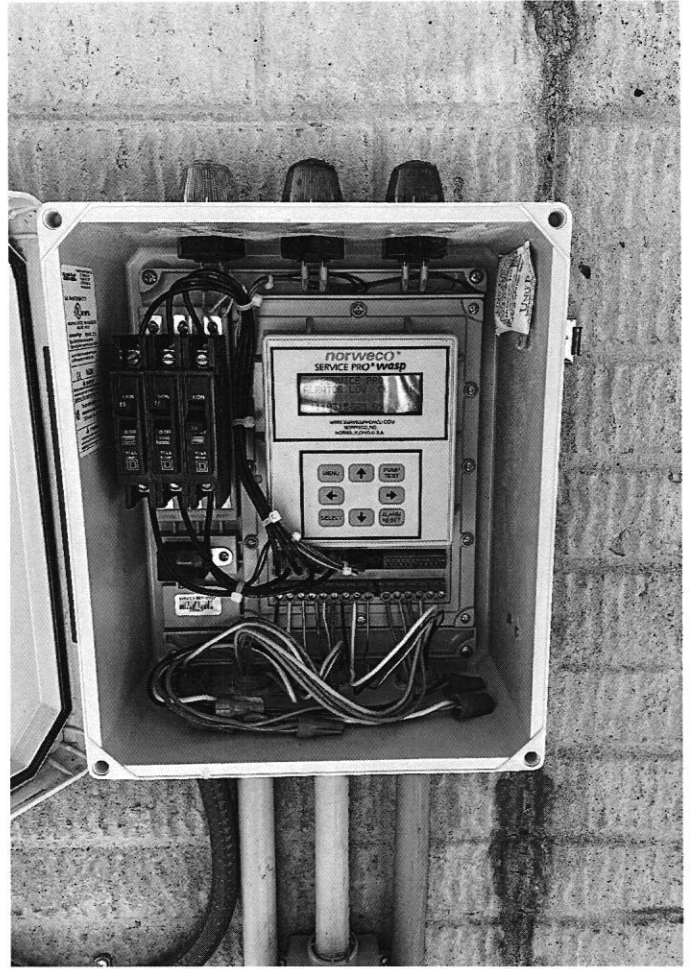
Matthew Geckle

November 08,2022

Signature of BRP Representative

Vice-President

Date





HOWARD COUNTY HEALTH DEPARTMENT

Bureau of Environmental Health
8930 Stanford Blvd | Columbia, MD 21045
410.313.2640 - Voice/Relay
410.313.2648 - Fax
1.866.313.6300 - Toll Free

Maura J. Rossman, M.D., Health Officer

OPERATION AND MAINTENANCE AGREEMENT FOR AN ON-SITE SEWAGE DISPOSAL SYSTEM HAVING AN ADVANCED PRE-TREATMENT SYSTEM

THIS AGREEMENT is made this 5th day of July, among Mekim Ayala, hereinafter collectively referred to as "Owner", and the Howard County Health Department hereinafter referred to as the "County".

WHEREAS, Owner is the owner or contract owner of a parcel of land located at Lot 28 10537 Paddy Lane, in the 3rd Election District of Howard County, Maryland, and the deed and subdivision plat of the property is recorded among the Land Records of Howard County, Maryland, Tax Map # 23, Block # 23, Parcel # 148, Deed Reference # 25764-68 and Tax Account # 603458 ("the Property").

WHEREAS, The Property is suitable for the installation of a conventional on-site sewage disposal system with an advanced pre-treatment system, utilizing best available technology to perform nitrogen reduction, in accordance with the Code of Maryland Regulations 26.04.02.07, effective November 24, 2016. The pre-treatment device being installed is

NORWECO TNA CP-7506PD

NOW, THEREFORE, the parties hereto agree as follows:

A. Owner hereby grants to the County the right to enter upon the Property at any reasonable time with prior notice for access to the system to make periodic inspections and the Owner agrees to provide any information and data in Owner's possession reasonably requested and needed by the County.

B. Owner acknowledges and agrees that neither the County nor any of its agents or employees, either officially or individually, underwrites the operation of any system approved by them.

C. The Owner will devote reasonable care and effort to the operation and maintenance of the system in perpetuity or until a public sewer connection is made so that a system malfunction is not the result of poor maintenance, faulty operation, or neglect.

D. The Owner agrees to enter into a contract reasonably acceptable to the Owner and the County with a private entity to operate and maintain on a regularly scheduled basis an approved advanced pre-treatment system. The owner shall supply a copy of the contract to the County when it is renewed or altered.

E. This agreement shall run with the land and upon Owner's taking title to the Property shall bind the Owner, their heirs, successors, and assigns to the provisions of the agreement as long as

LR - Agreement
Recording Fee
Name: ayala
Ref: 21
LR - Agreement
Sub Total: 40.00
Total: 20.00
12:49
11/13/2017
164110571C09503
Howard County
City/CC0104
Register



OPERATION AND MAINTENANCE AGREEMENT FOR AN ON-SITE SEWAGE DISPOSAL SYSTEM HAVING AN ADVANCED PRE-TREATMENT SYSTEM

WHEREAS, Owner is the owner or contract owner of a parcel of land located at Lot 28 10537 Pudding Lane, in the 35th Election District of Howard County, Maryland, and the deed and subdivision plat of the property is recorded among the Land Records of Howard County, Maryland, Tax Map # 23, Block # 23, Parcel # 148, Deed Reference # 25764-68 and Tax Account # 603438 ("the Property").

Norwood TNT CP-7506PD

NOW, THEREFORE, the parties hereto agree as follows:

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B. Owner acknowledges and agrees that neither the County nor any of its agents or employees, either officially or individually, underwrites the operation of any system approved by them.

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the property is in existence and after installation of the system. Owner further agrees that they shall inform in writing any subsequent purchaser or lessee of the Property that the system shall require maintenance or other attention. Upon taking title to the Property, the Owner agrees to cause this agreement to be recorded in the Land Records of Howard County and assure that it becomes part of the Deed for the subject property in order that prospective buyers may be aware of the special conditions affecting this property.

F. This agreement shall not be construed to limit any authority of the County to protect the public health, safety or comfort or to issue any other orders to take any other action which is now or may hereafter be within its authority.

G. This agreement may be voided at any time at the discretion of the County.

H. This agreement contains the entire agreement and understanding between the County and the Owner. There are no additional terms other than as contained in this agreement. This agreement may not be modified, except in writing signed by each of the parties or by their authorized representatives.

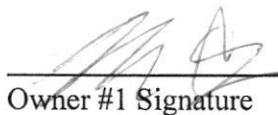
I. The laws of the State of Maryland govern the provisions of all transactions pursuant to this agreement.

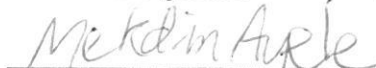
J. Owner acknowledges and agrees that interior renovations to increase the number of bedrooms or an increase in living space shall not be permitted without approval from the County.

IN WITNESS WHEREOF, the parties have signed this agreement on the date indicated above.



Howard County Health Department

 6/28/22
Owner #1 Signature Date


Owner #1 Print Name

Owner#2 Signature Date

Owner #2 Print Name

Buyer #1 Signature Date

Buyer #1 Print Name

Buyer #2 Signature Date

Buyer #2 Print Name

Maura J. Rossman, M.D., Health Officer

**OPERATION AND MAINTENANCE AGREEMENT
FOR AN ON-SITE SEWAGE DISPOSAL SYSTEM
HAVING AN ADVANCED PRE-TREATMENT SYSTEM**

THIS AGREEMENT is made this 5th day of July, among Mekem Ayde, hereinafter collectively referred to as "Owner", and the Howard County Health Department hereinafter referred to as the "County".

WHEREAS, Owner is the owner or contract owner of a parcel of land located at Lot 28 1-537 Paddock Lane, in the 3rd Election District of Howard County, Maryland, and the deed and subdivision plat of the property is recorded among the Land Records of Howard County, Maryland, Tax Map # 33, Block # 23, Parcel # 148, Deed Reference # 25764-68 and Tax Account # 603438 ("the Property").

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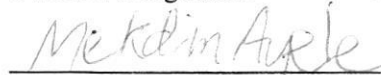
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Howard County Health Department

 6/28/22
Owner #1 Signature Date


Owner #1 Print Name

Owner#2 Signature Date

Owner #2 Print Name

Buyer #1 Signature Date

Buyer #1 Print Name

Buyer #2 Signature Date

Buyer #2 Print Name