



HOWARD COUNTY HEALTH DEPARTMENT

72732

DATE 12/14/22

P5

Received From

TC Sepco Septic

PHONE #

410 795-8070

For

Septic Permit 10521
Pudding Lane

☐ CASH

☒ CHECK

NO 18156

Three hundred twenty-four

Dollars

\$396.00

Received By

AKing



**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

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

RECEIPT DATE: 12/21/22 **ONSITE SEWAGE DISPOSAL SYSTEM**

P 572732

APPROVAL DATE: 3/13/23 **PERMIT: CONSTRUCTION**

A

PROPERTY ADDRESS: 10521 Pudding Lane

SUBDIVISION: King's Forest

LOT: 31

TAX ID: _____

CONTRACTOR: Fogles Septic

EMAIL: _____

CONTRACTOR ADDRESS: _____

PHONE: 410.795.5670

CONTRACTOR CERTIFIED FOR BAT INSTALLATION:



MDE



MANUFACTURER:

PROPERTY OWNER: Toll Mid Atlantic

EMAIL: Sriley1@tolbrothrs.com

OWNER ADDRESS: 250 Gibraltar Road

PHONE: 410-872-9105

BAT UNIT MODEL: Norweco

PUMP SIZE: _____

PUMP TANK CAPACITY: _____

OPERATION & MAINTENANCE AGREEMENT

DATE SIGNED: 10/5/2023

DATE RECORDED: _____

DISTRIBUTION SYSTEM: ☒ GRAVITY

☐ PRESSURE DOSED

BEDROOMS: 5

APPLICATION RATE: 0.8

TRENCHES:	LINEAR FEET REQUIRED:	<u>197</u>	INLET DEPTH:	<u>3</u>
	TRENCH WIDTH:	<u>3</u>	MAXIMUM BOTTOM DEPTH:	<u>6</u>
	MINIMUM SPACE BETWEEN TRENCHES:	<u>10</u>	EFFECTIVE AREA BEGINNING DEPTH:	<u>3</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:				

ISSUED BY: Dana Bernard

ISSUE DATE: 8-26-22

EXPIRATION DATE: 8-26-23

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 DOWNGRAIDENT 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 22006624

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

TRENCH/DRAINFIELD DATA

WIDTH 3 INLET 3 BOTTOM 6

NUMBER OF TRENCHES 4

TOTAL LENGTH 190'

ABSORPTION AREA 570 sq ft.

DISTRIBUTION BOX LEVEL yes

DISTRIBUTION BOX BAFFLE yes

DISTRIBUTION BOX PORT yes

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL yes

MANUFACTURER BACKHILL

CAPACITY 750 GAL

SEAM LOC Top

TANK LID DEPTH 2.5'-3'

BAFFLES

BAFFLE FILTER

MANHOLE LOC front

6" PORT LOC

WATERTIGHT TEST

SLOTTED yes

DATE ON LID 12/21/22

~~PUMP/SEPTIC TANK LEVEL N/A~~

~~MANUFACTURER~~

~~CAPACITY GAL~~

~~SEAM LOC~~

~~TANK LID DEPTH~~

~~BAFFLES~~

~~BAFFLE FILTER~~

~~MANHOLE LOC~~

~~6" PORT LOC~~

~~WATERTIGHT TEST~~

~~SLOTTED~~

~~DATE ON LID~~

ROAD NAME

PRE-CONSTRUCTION:

12/21/2022 Confirmed contours of 4x50' trenches. (P)

INSTALLATION: 12/30/22 - tanks called in for inspection but contractor not ready, delay onsite. with tank installation, ok to continue (P) 1/3/23 - Tank set 1.1 depth 2.5'-3'. Tank specs per plan. Saw front pretreatment, middle aeration, & back clarification per plan. (SP) 1/4/23 - Spills between 1, 2 & 3 on 11 2.5' at end of trench. Saw large rock at beginning of 1. Spill between 1 & 2 is 8' install at 10' at beginning of trench. Finished 1, 2, started 3. Stone & fabric okay. 1/6/23 - Contractor on site. Top of D box cracked, contractor repaired top. Levelled d box. Observed open dry well. Silt fence open to make room for 14, silt fence to be repaired within 2 days. D-box leveled & measured House to tank & 14.

FINAL INSPECTOR

R. Reppert

DATE OF APPROVAL

3/13/23

12:30 NOT TO SCALE

PROP LINE

DRIVE

HOUSE

Lot 31

10521 Redding Ln

HO-18-0160

PROP LINE

WELL ARC

WELL ARC

WELL

ARC

100'

42'

31'

15'

10'

8'

13'

34'

55'

93'

90'

90'

99'

162

163

161

SDA

8.5'

78'

41'

78'

41'

78'

41'

78'

41'

78'

41'

78'

41'

78'

41'

78'

41'

78'

41'

78'

41'

78'

41'

78'

41'



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

NORWECO CERTIFICATION

PROPERTY OWNER: TOLL MID-ATLANTIC	INSTALLATION COMPANY: FOGLES SEPTIC
ADDRESS: 10521 PUDDING LANE	CERTIFIED INSTALLER: JAMIE DEAVERS
CITY, ZIPCODE & COUNTY: ELLICOTT CITY, 21042, HOWARD	PERMIT#
SIZE OF SYSTEM INSTALLED:	DATE INSTALLED: 12-30-22
750 GPD CONCRETE	START-UP DATE: 02-10-23
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: 30"	BURIAL DEPTH OF TANK: 30"
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.

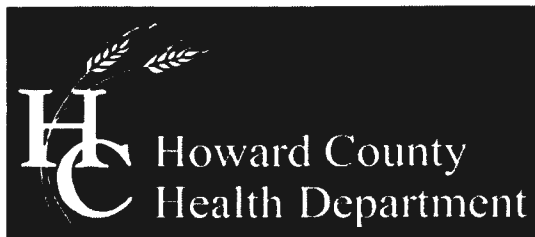
Matthew Geckle

February 10, 2023

Signature of BRP Representative

Vice-President

Date



Bureau of Environmental Health

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Twitter: HowardCoHealthDep

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

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: _____

Subdivision: Kings Forest (Formally Carroll Ziegler Property) Lot: 31

Initial system: Application rate: 0.8 Effective area beginning depth: 4 Bottom maximum depth: 6

1st Replacement: Application rate: 0.8 Effective area beginning depth: 6 Bottom maximum depth: 8

2nd Replacement: Application rate: 0.8 Effective area beginning depth: 6 Bottom maximum depth: 8

Design Flow = 150 gallons per day per bedroom

Design flow ÷ application rate = square footage of drainfield required

Linear length of trench required = drainfield square footage x sidewall reduction percentage ÷ trench width

Sidewall reduction credit formula:

$$\frac{W + 2}{W + 1 + 2D} \times 100 = \text{Percent of length of standard trench where } W = \text{trench width and } D = \text{depth between effective area beginning depth and trench bottom.}$$

Standard design requirements:

- Trenches must be located to provide room for 3 systems in the disposal area
- All trenches must be equal length unless low pressure dosed
- All trenches must be on contour
- Tank and trenches must be placed as shallow as possible while maintaining 2% fall in pipe from house and at least 18" cover over trenches. If 2% fall from house is not possible, the minimum allowable fall is 1%.
- Minimum trench spacing: 10' for all trenches utilizing sidewall reduction credit. Additional spacing may be necessary for any trench using over 3.5' of effective sidewall. In those cases, the spacing formula is $2D + W$ up to a maximum spacing of 18'.
- Minimum trench spacing for trenches with no sidewall credit (bottom area only) is 6' for a 2' wide trench and 9' for a 3' wide trench (spacing is measured edge to edge)
- Maximum trench length is 100'
- Maximum pipe depth is 4'

Additional requirements:

Approved: Dana Bernard Date: 3-11-20