

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

RECEIPT DATE: 6/26/18 **ONSITE SEWAGE DISPOSAL SYSTEM** P 563036
 APPROVAL DATE: 8/11/18 **PERMIT: CONSTRUCTION** A _____
 PROPERTY ADDRESS: 12902 HIGHLAND ROAD, HIGHLAND, MD 20777
 SUBDIVISION: McDANIEL PROPERTY LOT: 5 TAX ID: _____
 CONTRACTOR: Fogle's Septic Clean Inc. EMAIL: john@foglesinc.com
 CONTRACTOR ADDRESS: 580 Obrecht Road, Sykesville, MD 21784 PHONE: 410-795-5670
 PROPERTY OWNER: JOHN P McDANIEL EMAIL: jpm@hickoryridgegroup.com
 OWNER ADDRESS: 13032 HIGHLAND ROAD, HIGHLAND, MD 20777 PHONE: 410-350-5151
 SEPTIC TANK SIZE (GALLONS): 1500 TANK MANUFACTURER: MAYER BROTHERS, INC.
 PUMP MODEL: _____ PUMP SIZE _____ PUMP TANK CAPACITY: _____

DISTRIBUTION SYSTEM: GRAVITY PRESSURE DOSED BEDROOMS: 5 APPLICATION RATE: 1.2

TRENCHES:	LINEAR FEET REQUIRED: <u>97</u>	INLET DEPTH: <u>3</u>
	TRENCH WIDTH: <u>2</u>	MAXIMUM BOTTOM DEPTH: <u>8</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>12</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>3</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:	<u>2 x 55' TRENCHES</u> <u>12"-18" OF FILL ON INITIAL SYSTEM OF SDA. CONTRACTOR USED LASER, LEVELED FROM ORIGINAL GRADE.</u>	

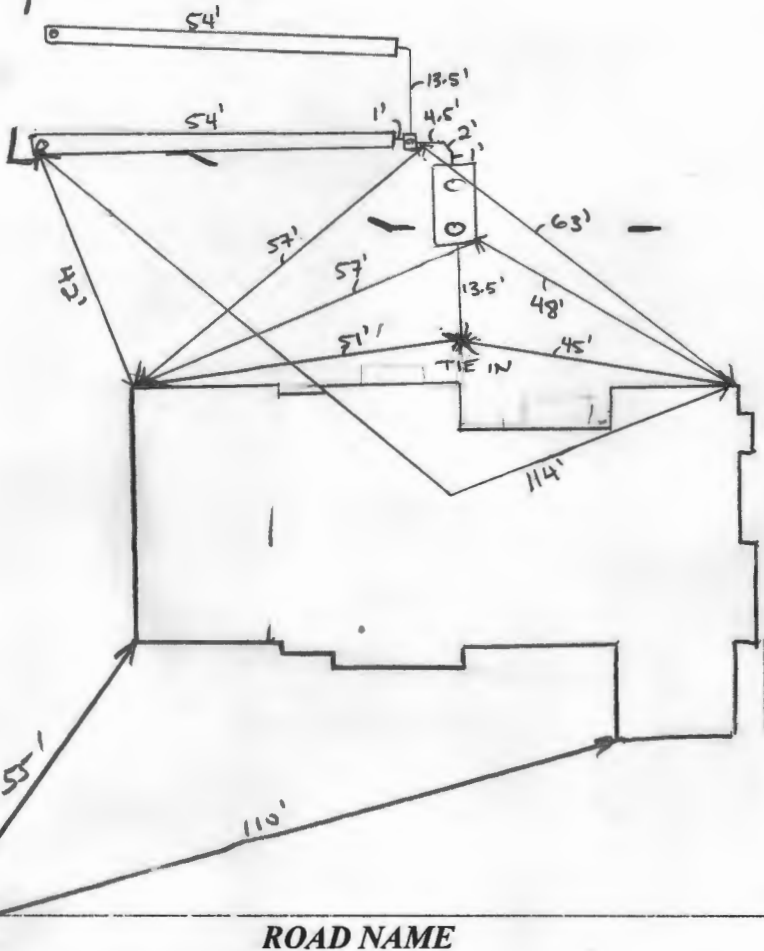
ISSUED BY: R BRICKER ISSUE DATE: _____ EXPIRATION DATE: _____

- 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 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 N. A.
- 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.**

1" = 30'

NOT TO SCALE



TRENCH/DRAINFIELD DATA (+ FILL)

WIDTH	INLET	BOTTOM
2'	3'	8'
NUMBER OF TRENCHES		2
TOTAL LENGTH		108
ABSORPTION AREA		216 sq ft + SIDE WALL
DISTRIBUTION BOX LEVEL		YES
DISTRIBUTION BOX BAFFLE		YES
DISTRIBUTION BOX PORT		YES

SEPTIC TANK DATA

SEPTIC TANK I LEVEL	YES
MANUFACTURER	BABYLON
CAPACITY	1500 GAL
SEAM LOC	TOP
TANK LID DEPTH	2' (1) - 1.5' (0)
BAFFLES	YES
BAFFLE FILTER	NO
MANHOLE LOC	FRONT BACK
6" PORT LOC	INLET
WATERTIGHT TEST	N/A
SLOTTED	YES
DATE ON LID	6/26/2018

PUMP/SEPTIC TANK LEVEL

MANUFACTURER	
CAPACITY	N/A GAL
SEAM LOC	
TANK LID DEPTH	
BAFFLES	
BAFFLE FILTER	
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST	
SLOTTED	
DATE ON LID	

PRE-CONSTRUCTION:

7/2/18 Site inspection w/ contractor for layout. SDA not staked per approved OSD's plan. Told builder need on approved wall check. House sewer depth may pose issue w/ system depth. (FAM)
 7/23/18 Wellcheck rec'd. House lowered ~1'. Called contractor, will go out and verify depth of sewer. 3' inlet might not work (FAM)

7/30/18 12" fill DISCOVERED ON SDA. STRAIGHTENED TANK AND TRENCHES. SHOT HEIGHT OF HOUSE OUTLET TO TANK INLET. ~3' COVER (2" ORIG. 1" R-11). USE LASER TO INSTALL TRENCHES

NO DEEPER THAN ORIG. PERC. TRENCHES EXTENDED TO SDA EDGE AT CONTRACTORS REQUEST. (FAM)

7/31/2018 TANK SET AND TIED INTO HOUSE LINE. C/O IS INSIDE HOUSE. BUILDER TO POUR PATIO/WALKWAY. ~2' OF FILL ON TOP OF TANK INTO SDA. (FAM)
 8/1/2018 TRENCHES COMPLETE. CONTRACTOR USED LASER TO DIG THROUGH THE FILL TRENCHES ARE TO SPEC LEVELED D. BOX. OK TO BACKFILL (FAM)

FINAL INSPECTOR

DATE OF APPROVAL

08/01/2018

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

INTERIM CERTIFICATE OF POTABILITY

Expiration Date – AUGUST 22, 2019

February 22, 2019

Homeowner
12962 Highland Road
Highland, MD 20777

RE: McDaniels Property, Lot 5
12962 Highland Road
Building Permit: B17001922
Well Permit: HO-95-2654

Dear Homeowner:

This is to advise you that the septic system installation and water well construction for the above referenced property have been inspected and approved. Final approval of the septic system was granted on **8/1/2018**. Final approval of the well line connection to the dwelling was granted on **7/19/2018**. The well construction was completed on **4/2/2014**. Water samples were collected on **1/24/2019**.

The water sample results indicate that the water samples submitted for testing were free of coliform and fecal coliform bacteria at the time of sampling and are bacteriologically safe for drinking.

Gross Alpha and Beta samples were also collected on **4/2/2014**. Results showed a Gross Alpha level of **4.8 ± 1.5 pCi/L** and **Gross Beta** level of **7.1 ± 2.2 pCi/L**. The Gross Alpha was below the maximum contaminant level (MCL) of 15 pCi/L and the Gross Beta was below the target level of 50pCi/L (roughly equivalent to the annual dose rate of 4 millirems per year). At the time of testing and with respect to these parameters, the well water is safe for all uses.

This certifies that the initial sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under well permit HO-95-2654. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies.

This Interim Certificate of Potability will expire **six months** from the date of issuance. Submission of a second bacteriological test indicating the water is free of coliform and fecal coliform bacteria is required prior to the expiration date, after which time a Final Certificate of Potability will be issued. **Failure to submit an additional sample and obtain a Final Certificate of Potability will result in a Notice of Violation and is punishable as a misdemeanor under the Annotated Code of Maryland, Environment Article, 9-1311, subject to a fine of up to \$500 or imprisonment not to exceed three months.**

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

Please contact (410) 313-1773 to schedule a final water sample appointment or contact a certified water quality laboratory to schedule a water sample. A list of laboratories certified by the state of Maryland may be found at the following website: <http://www.mde.state.md.us/assets/document/WSP-Labs-2010apr16.pdf>

In closing, please refer to our "Homeowner Fact Sheet" for understanding your onsite sewage disposal system. You will also find a link to Maryland Department of the Environment's website which elaborates in further detail operation and maintenance of your Septic System.

Approving Authority,



Kevin M. Wolf, L.E.H.S., REHS/R.S., Supervisor
Groundwater Management Section
Well & Septic Program

cc: Howard County Dept. of Inspections, Licenses, and Permits
Community Hygiene Program
File

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

1413 Old Taneytown Rd. Westminster, MD (410) 848-1014 (410) 876-4554 FAX (410) 848-0298

REPORT OF ANALYSIS

Laboratory ID #: 128168 Account #: 1931
Reference: Hickory Ridge Lot 5 Company: Fogles Septic
Location: 12962 Highland Road Requested By: Kim Fogle
Highland, MD 20777 Source: Well Water
Date/ Time Collected: 1/24/2019 1040 Site: Laundry Tap
Date/Time Rec'd: 1/24/2019 1555 Treatment: None
Chlorine ppm: Free: ND Total: ND pH: 6.7
Collected By: J. Palmer 7357JP Well #: HO-95-2654

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	1/25/2019 / 1015 / RER
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	1/25/2019 / 1015 / RER

NOTES

- 1 MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
- 2 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 3 Sample collected by client, analyzed as received
- 4 ND:None Detected
- 5 Visual well check: Sealed, vented cap
- 6 pH and Chlorine level tested in lab (pH tested after recommended holding time)

Reason for Test : Use & Occupancy**Building Permit # :** B-17001922Date Reported: 1/25/2019

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

1413 Old Taneytown Rd. Westminster, MD (410) 848-1014 (410) 876-4554 FAX (410) 848-0298

REPORT OF ANALYSIS

Laboratory ID #: 128168.1 Account #: 1931
Reference: Hickory Ridge Lot 5 Company: Fogles Septic
Location: 12962 Highland Road Requested By: Kim Fogle
 Highland, MD 20777 Source: Well Water
Date/ Time Collected: 1/24/2019 1040 Site: Laundry Tap
Date/Time Rec'd: 1/24/2019 1555 Treatment: None
Chlorine ppm: Free: ND Total: ND pH: 6.7
Collected By: J. Palmer 7357JP Well #: HO-95-2654

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Nitrate	1.14	mg/L	10	601	1/25/2019 / 1435 / RER
Turbidity	1.74	NTU	<10	SM20 2130B	1/25/2019 / 1440 / RER
Sand	NS	mg/L	5	Visual/Gravimetric	1/25/2019 / 1440 / RER

NOTES

- 1 mg/L = milligrams per liter (also, parts per million)
- 2 NS = None Seen (NS indicates less than 5 mg/L)
- 3 NTU = Nephelometric Turbidity Units
- 4 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 5 ND:None Detected
- 6 Visual well check: Sealed, vented cap
- 7 pH and Chlorine level tested in lab (pH tested after recommended holding time)

Reason for Test : Use & Occupancy**Building Permit # :** B-17001922Date Reported: 1/25/2019