

TAG: 5/14/2018

B 1 <div style="border: 1px solid black; padding: 5px; font-size: 24px; font-weight: bold;">54011</div>	SEQUENCE NO. (MDE USE ONLY) <div style="border: 1px solid black; padding: 5px; font-size: 24px; font-weight: bold;">54011</div>	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL <div style="border: 1px solid black; padding: 5px; font-size: 24px; font-weight: bold;">52902-L</div>	STATE PERMIT NUMBER <div style="border: 1px solid black; padding: 5px; font-size: 24px; font-weight: bold;">HO-17-0257</div>
OWNER INFORMATION Date Received (APA) <u>02/21/18</u> <div style="display: flex; justify-content: space-between;"> <div>8 MM DD YY 13</div> <div>15 Last Name Owner First Name 34</div> </div> <div style="display: flex; justify-content: space-between;"> <div>1311 Linden Church Rd.</div> <div>36 Street or RFD 55</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Clarksville MD 21029</div> <div>57 Town 70 State 72 Zip 76</div> </div>		LOCATION OF WELL <div style="display: flex; justify-content: space-between;"> <div>8 COUNTY 21</div> <div>23 SUBDIVISION 42</div> </div> <div style="display: flex; justify-content: space-between;"> <div>SECTION 44 46</div> <div>LOT 19 48 50</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Sykesville</div> <div>62 NEAREST TOWN 71</div> </div>	
DRILLER INFORMATION <div style="display: flex; justify-content: space-between;"> <div>Driller's Name</div> <div>76 License No. 81</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Alexander's Well Drilling</div> <div>Firm Name</div> </div> <div style="display: flex; justify-content: space-between;"> <div>126 West Main St. P.O. Box 443</div> <div>Address</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Fairfield, PA 17320</div> <div>Signature</div> </div> <div style="display: flex; justify-content: space-between;"> <div>2/16/18</div> <div>Date</div> </div>		SOURCES OF DRILLING WATER 1. Well water 2. 3.	
WELL INFORMATION <div style="display: flex; justify-content: space-between;"> <div>1 2</div> <div>APPROX. PUMPING RATE (GAL. PER MIN.)</div> <div>8 12</div> </div> <div style="display: flex; justify-content: space-between;"> <div>AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY)</div> <div>14 20</div> </div>		ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) <div style="display: flex; justify-content: space-between;"> <div>Approx. 34 90 37</div> <div>STREET ADDRESS 30</div> </div> <div style="display: flex; justify-content: space-between;"> <div>DISTANCE FROM ROAD</div> <div>ENTER FT OR MI 38 39</div> </div> <div style="display: flex; justify-content: space-between;"> <div>TAX MAP: 9</div> <div>BLK: 6</div> <div>PARCEL 66</div> </div>	
USE FOR WATER (CIRCLE APPROPRIATE BOX) <input checked="" type="checkbox"/> DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION <input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input type="checkbox"/> INDUSTRIAL, COMMERCIAL, DEWATERING <input type="checkbox"/> PUBLIC WATER SUPPLY WELL <input type="checkbox"/> TEST, OBSERVATION, MONITORING <input type="checkbox"/> OPEN LOOP GEOTHERMAL <input type="checkbox"/> CLOSED LOOP GEOTHERMAL		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL <div style="display: flex; justify-content: space-between;"> <div>COUNTY NAME <u>Howard</u></div> <div>COUNTY NO. <u>XII</u></div> </div> <div style="display: flex; justify-content: space-between;"> <div>STATE SIGNATURE</div> <div>INSERT S</div> </div> <div style="display: flex; justify-content: space-between;"> <div>DATE ISSUED <u>03/07/18</u></div> <div>EXP. DATE <u>03/07/19</u></div> </div> <div style="display: flex; justify-content: space-between;"> <div>COSIGNATURE <u>[Signature]</u></div> <div>DNI</div> </div> <div style="display: flex; justify-content: space-between;"> <div>DO: 05/05/2018</div> <div>DOG: 5/4/18</div> <div>SC: 05/08/2018</div> </div>	
APPROXIMATE DEPTH OF WELL <u>300</u> FEET APPROXIMATE DIAMETER OF WELL <u>6</u> INCH		PROPOSED LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL 	
METHOD OF DRILLING (circle one) <div style="display: flex; justify-content: space-between;"> <div>BORED (or Augered)</div> <div>JETTED</div> <div>Jetted & DRIVEN</div> </div> <div style="display: flex; justify-content: space-between;"> <div>30 AIR-ROTary</div> <div>AIR-PERCussion</div> <div>ROTARY (Hydraulic Rotary)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>37 CABLE</div> <div>REVERSE-ROTary</div> <div>DRIVE-POINT</div> </div> <div style="display: flex; justify-content: space-between;"> <div>other</div> <div></div> <div></div> </div>		REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) <input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS <input type="checkbox"/> THIS WELL WILL DEEPM AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52	
Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROP. PERMIT NUMBER <u>HO20160004</u> PERMIT No. <u>HO-17-0257</u>			
SPECIAL CONDITIONS NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED			

Pursuant to § 10-624 of the State Govt. Article of the Maryland Code, personal info requested on this form is used in processing this form pursuant to COMAR 26.04.04. Failure to provide the info may result in this form not being processed. You have the right to inspect, amend, or correct this form. The Maryland Department of the Environment is subject to the Maryland Public Information Act. This form may be made available on the Internet via MDE's website and is subject to inspection or copying, in whole or in part, by the public and other governmental agencies, if not protected by federal or State Law.

Page 1 of 1
Date 5-8-18

Review _____

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 17-0257
Location of property (road) HIGH STEPPER TRAIL SYKESVILLE, MD.
Subdivision WALKER MEADOWS Lot 19 Block 6 Plat _____ Sec. _____
Well Driller ALEXANDER'S WELL DRILLING Owner GILLZEK FAMILY L.L.C.

Depth of well 223
Distance of measuring point (M.P.) above ground 2 FT.
Static water level (S.W.L.) below M.P. 42 FT.

I. High rate pumping -- reservoir drawdown

Time pump started 10:00 AM Pumping rate 12 G.P.M.
Total time 45 MIN to reach pumping water level 62 ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill ¹ / ₂ gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
10:00 AM	42 FT.	5 SEC		12 GPM
10:15 AM	56	5 SEC		12 GPM
10:30	61	5 SEC		12 GPM
10:45	62	5 SEC		12 GPM
11:00	62	5 SEC		12 GPM
11:15	62	5 SEC		12 GPM
11:30	62	5 SEC		12 GPM
11:45	62	5 SEC		12 GPM
12:00 PM	62	5 SEC		12 GPM
12:15	62	5 SEC		12 GPM
12:30	62	5 SEC		12 GPM
12:45	62	5 SEC		12 GPM
1:00	62	5 SEC		12 GPM
1:15	62	5 SEC		12 GPM
1:30	62	5 SEC		12 GPM
1:45	62	5 SEC		12 GPM
2:00	62	5 SEC		12 GPM
2:15	62	5 SEC		12 GPM

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

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.

Company Name: Fogles Well Pump & WT, LLC Telephone #: 410 795 5670
Address: 580 Obrecht Rd

Sykesville, MD 21784
Must circle one: ☒ Licensed Plumber ☐ Licensed Well Driller ☐ Licensed Well Pump Installer

License # and name of individual responsible for the field installation:

Name (Print): David C Eagle License #: M3D226

*A licensed individual must perform the actual installation. Apprentices must be under the supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification. Unlicensed individuals may be reported to the appropriate licensing agency.

Name of Property Owner: NVE Inc Telephone #: _____
Subdivision: Walker Meadows Lot #: 19 Well Tag #: HO-17-0257 02/19/2020
Site Address: 1040 Stepping Place
Sykesville, MD 21784

Submersible Pump Data

Make: Goulds
Model #: 7H507422
Pump Capacity: 7
Well Yield: 12

Depth of well encountered at time of pump installation: 220 (feet)
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4

Must circle one: Torque arrestors / Cable guards / Other acceptable method used

Safety rope, if used, attached to brass rope adapter or other acceptable method inside of well casing NP

Pitless Adapter

Make: Campbell
Model #: NA
GPM Depth: 36" (36" min)
GPM NSF/WSC approved: YES

Well Cap and Electric Conduit

Two piece watertight cap: YES
Screened, vented well cap: YES
Cap secured to casing: YES
Conduit min 18" B.G.: YES
Conduit secured to well cap: YES

Piping to house

Type: 1" poly pipe
PSI: 200 (160 psi min)
Depth of supply line: 36" (36" min)

House Connection

PVC sleeve to undisturbed soil at wall penetration: YES
Length of sleeve (5' minimum from foundation): 6'
Sleeve sealed properly: YES

The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation: David C Eagle date: 2/19/2020

For Health Department Use Only - Not to be completed by Installer

Date Insp. Requested: 02/17/2020 Date Insp. Approved: 02/19/2020 Inspector: [Signature]
Inspection Data: Pitless adapter watertight & water supply line at least 36" below grade
Two piece cap installed and attached to casing securely
Elec. conduit extends at least 18" below grade/attached to cap properly
Safety rope not outside of well cap/casing
Correct well tag attached properly and casing 8" above finished grade
Water supply line sleeved adequately at house connection
Adequate grout observed below pitless adapter

43" 02/19/2020 [Signature]
36" 02/19/2020 [Signature]
25" 02/19/2020 [Signature]

(Revised form 10/24/2018)

INTERIM CERTIFICATE OF POTABILITY

Expiration Date – November 18, 2020

May 18, 2020

Homeowner
1040 Stepping Place
West Friendship, MD 21794

**RE: Walker Meadows, Lot 19
1040 Stepping Place
Building Permit: B19004199
Well Permit: HO-17-0257**

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 **5/11/2020**. Final approval of the well line connection to the dwelling was granted on **2/19/2020**. The well construction was completed on **5/8/2018**. Water samples were collected on **5/6/2020**.

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. 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-17-0257. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies.

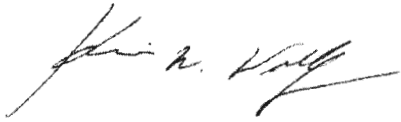
This Interim Certificate of Potability will expire **six months** from the date of issuance. Submission of a second bacteriological test indicating the water is free of coliform and fecal coliform bacteria is required prior to the expiration date, after which time a Final Certificate of Potability will 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.**

Please contact (410) 313-1773 to schedule a final water sample appointment or contact a Maryland certified water 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>

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

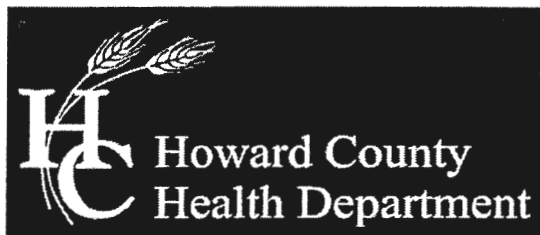
In closing, please refer to our "Homeowner Fact Sheet" which illustrates a better understanding for your Onsite Sewage Disposal System. You will also find a link to Maryland Department of the Environments website which describes in further detail operation and maintenance of your septic system.

Approving Authority,



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

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



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

Twitter: HowardCoHealthDep

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

TO ALL INTERESTED PARTIES

When submitting a well permit application for a proposed well for new construction, please indicate one of the following:

Well Site Location:

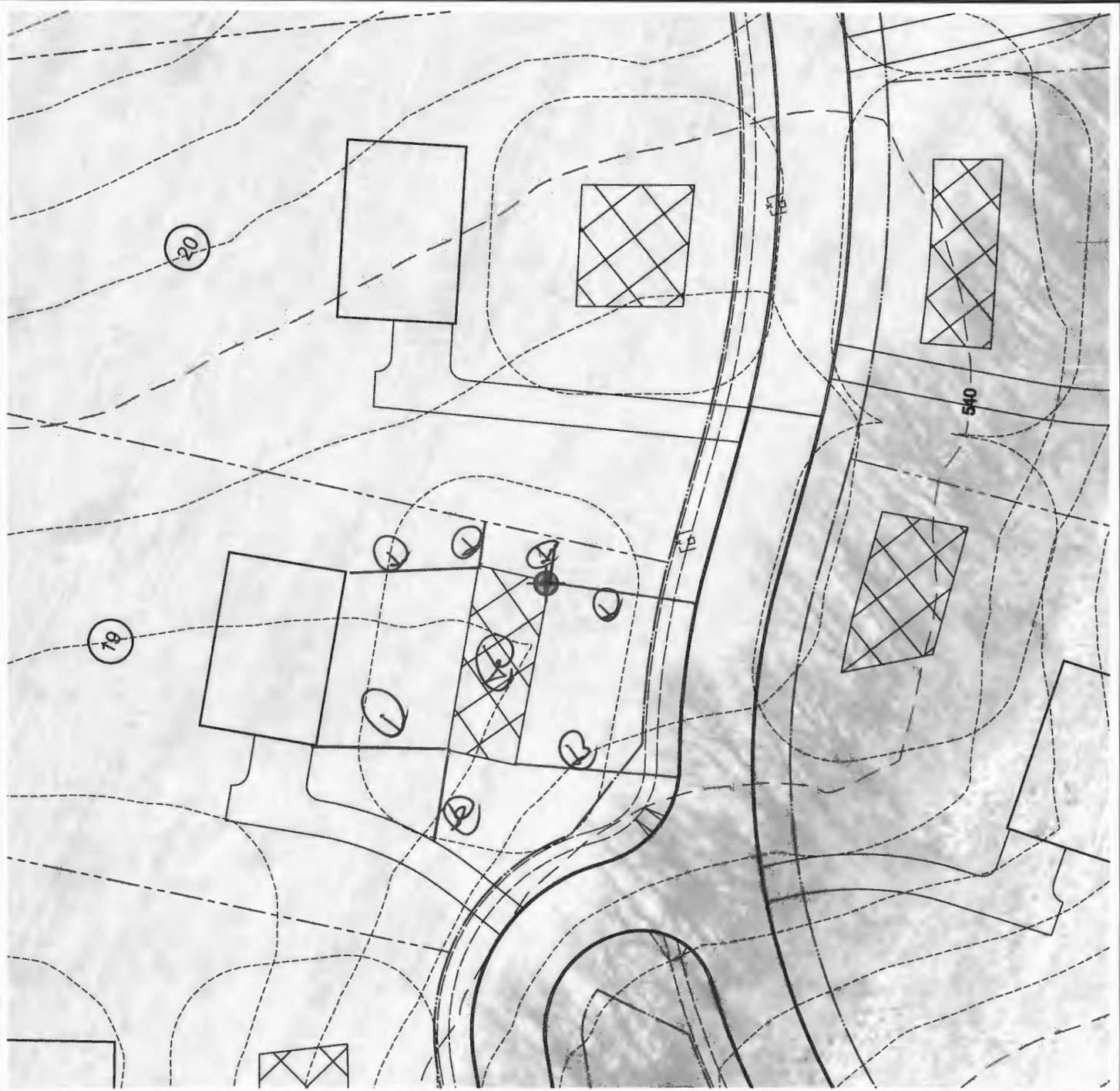
WALKER MEADOWS 19-21 STEPPING PLACE
Subdivision/Property Name Lot # Road Name

☒ The well site has been staked by DEVELOPMENT DESIGN CONSULTANTS
(professional land surveyor or company employing professional land surveyors)
on 3/28/2018 (date) and does not require a site inspection.

☐ The well driller, builder or property owner will call the Health Department to schedule a time to meet in the field to verify the proposed well site location.

This sheet, along with two copies of an acceptable well site plan, must be attached to the green well permit application.

H:\Projects\Elm Street Development\Walker Meadows\ICADD\ESD-WM-Report Set.dwg



LEGEND



Proposed Test Well Site

Walker Meadows Lot 19

HO-17-0257

Approved 8/7/18
Staked by DPC



QUADRANGLE LOCATION



SCALE IN FEET

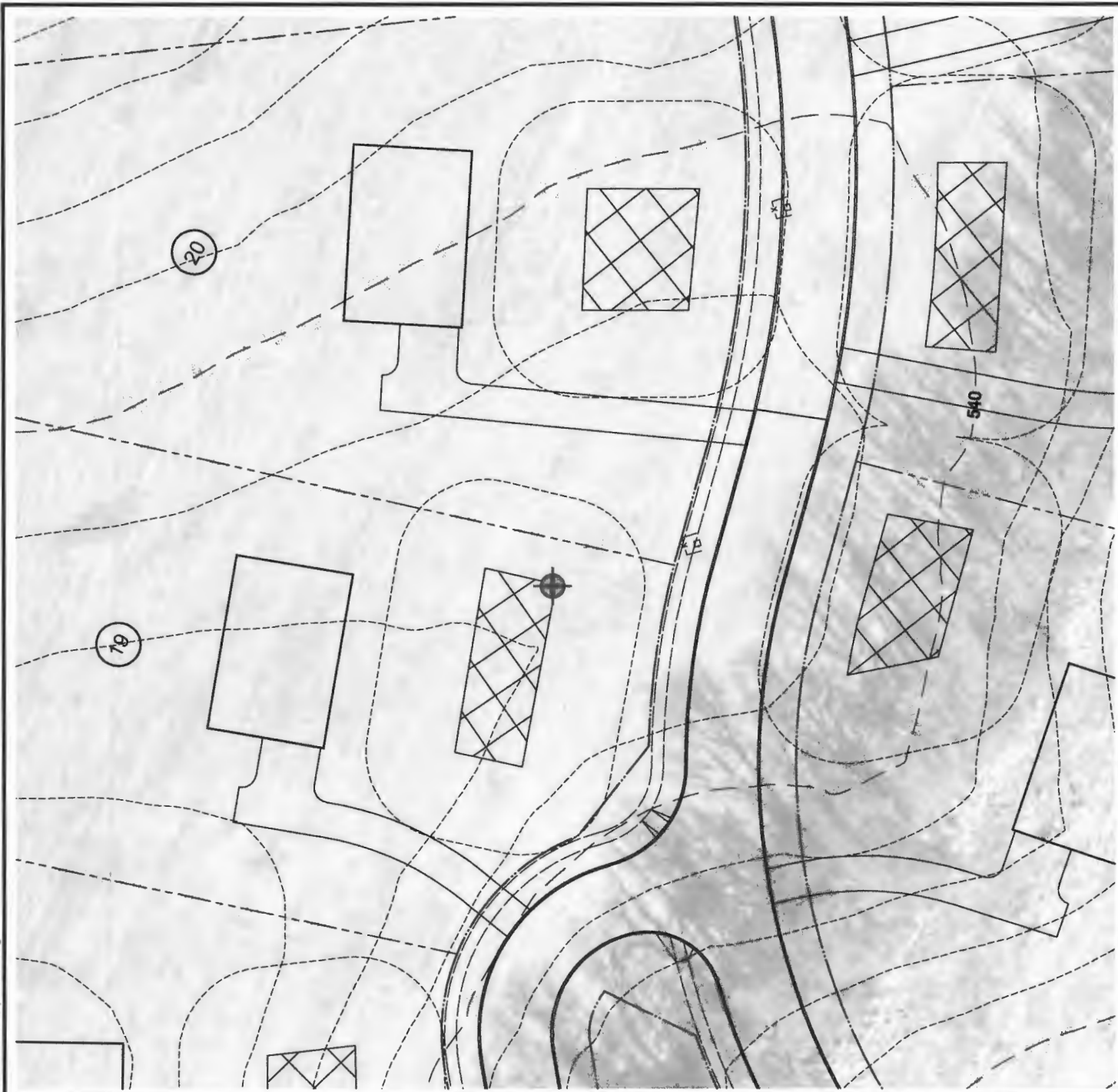
NOTE:

Aerial Photo Base was obtained from the State of Maryland iMap Imagery website (<http://imap.maryland.gov>), categorized as "Howard2016 SixInchImagery" dated 2016.

Elm Street Development			
project location: Sykesville, Howard County, Maryland			
project: Water Supply Development Lot #19 Proposed Test Well Location Map			
file no.	ESD-WM-Report Set.dwg		
drawn	M. Swann	date	02/09/18
checked	J. Lindaw	date	02/09/18
approved	M. Hawfler	date	02/09/18
www.hydro-terra.com			1

Plotted on: February 9, 2018

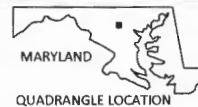
H:\Projects\Elm Street Development\Walker Meadows\CADD\ESD-WM-Report Set.dwg



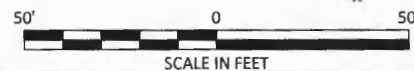
LEGEND



Proposed Test Well Site



QUADRANGLE LOCATION



SCALE IN FEET

NOTE:

Aerial Photo Base was obtained from the State of Maryland iMap Imagery website (<http://imap.maryland.gov>), categorized as "Howard2016 SixinchImagery" dated 2016.

client:		Elm Street Development	
project location:		Sykesville, Howard County, Maryland	
project:		Water Supply Development Lot #19 Proposed Test Well Location Map	
file no.	ESD-WM-Report Set.dwg		
drawn	date	figure:	1
M. Swam	02/09/18		
checked	date		
J. Lindaw	02/09/18		
approved	date		
M. Hasler	02/09/18		
www.hydro-terra.com			

Plotted on: February 9, 2018

ON-BUILDABLE
PRESERVATION
PARCEL B

87,374 S.F.
2.01 AC

49,082 S.F.
1.13 AC

SDA
10,225 SF

SDA
10,161 SF

SDA
10,038 SF

SDA
10,201 SF

SDA
10,037 SF

ON-BUILDABLE
PRESERVATION
PARCEL C

7,237 S.F.
0.17 AC

SDA
10,033 SF

SDA
10,015 SF

SDA
10,129 SF

SDA
10,010 SF

59,732 S.F.
1.37 AC

59,038 S.F.
1.35 AC

NON-BUILDABLE
PRESERVATION
PARCEL B

87,374 S.F.
2.01 AC

HOLLAND
RCE 338

TRAIL
744

ENCE
332

ED
GRAITH
306

EX
RES

SHED
BLOOMING P. 306

CHARLES K. & KAREN E. SLAPE
MAR 3, 1984 P. 306

GARY J. & JANA L. COCKER
MAR 3, 1984 P. 306

LEON & MARSH
MAP 9, BLOCK

17888 HOLLAND LODGE DR.
BLOOMING P. 21784

17888 HOLLAND LODGE DR.
BLOOMING P. 21784

17888 HOLLAND LODGE DR.
BLOOMING P. 21784

17888 HOLLAND LODGE DR.
BLOOMING P. 21784

USE: RESIDENTIAL

USE: RESIDENTIAL

USE: RESIDENTIAL

USE: RESIDENTIAL

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 #: 137122 Account #: 1933
Reference: Walker Meadows Lot 19 Company: Fogles Well Pump & Treatment
Location: 1040 Stepping Place Requested By: Dave Fogle
Sykesville, MD 21784 Source: Well Water
Date/ Time Collected: 5/6/2020 1051 Site: Kitchen Sink Tap
Date/Time Rec'd: 5/6/2020 1131 Treatment: None
Chlorine ppm: Free: ND Total: ND pH: 6.0
Collected By: B. Wilkerson 9315BW Well #: HO-17-0257

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	5/7/2020 / 0900 / CRS
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	5/7/2020 / 0900 / CRS
Nitrate	3.62	mg/L	10	601	5/7/2020 / 0920 / RER
Turbidity	<0.30	NTU	<10	SM20 2130B	5/7/2020 / 0955 / RER
Sand	NS	mg/L	5	Visual/Gravimetric	5/7/2020 / 0955 / RER

NOTES

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

Reason for Test : Use & Occupancy

Building Permit # : 19004199

Date Reported: 5/7/2020