

C 1 2985 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND
WELL COMPLETION REPORT
FILL IN THIS FORM COMPLETELY
PLEASE TYPETHIS REPORT MUST BE SUBMITTED WITHIN
45 DAYS AFTER WELL IS COMPLETED.COUNTY
NUMBER 560542-CTHIS NUMBER IS TO BE PUNCHED
IN COLS. 3-8 ON ALL CARDS)

ST/CO USE ONLY

DATE RECEIVED

MM DD YY
05 22 17

DATE WELL COMPLETED

MM DD YY
05 01 17

Depth of Well

500
(TO NEAREST FOOT)

PERMIT NO.

FROM "PERMIT TO DRILL WELL"
HO-17-0031

OWNER GILHECE FAMILY L.L.C.

WELL SITE ADDRESS

HIGH STEEPER TRAIL

TOWN

SPRINGVILLE

SUBDIVISION WALKER MEADOWS

SECTION

LOT 14

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR
COLOR, DEPTH, THICKNESS AND IF WATER BEARING

DESCRIPTION (Use additional sheets if needed)	FEET		check if water bearing
	FROM	TO	
TAN GROUND, SHALE, CLAY WITH COLLAPSING AREAS	0	88	X
GREEN/GREY SCHIST	88	148	
TAN SCHIST	148	150	X
GREEN/SCHIST GREY	150	500	

GROUTING RECORD

WELL HAS BEEN GROUTED
(Circle Appropriate Box)yes no
Y N

TYPE OF GROUTING MATERIAL (Circle one)

CEMENT CM BENTONITE CLAY BC

NO. OF BAGS 13 NO. OF POUNDS 650

GALLONS OF WATER 260

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. to 45 ft.
(enter 0 if from surface)

CASING RECORD

casing
types
insert
appropriate
code
belowST CO
STEEL CONCRETE
PL OT
PLASTIC OTHERMAIN
CASING
TYPENominal diameter
top (main) casing
(nearest inch)Total depth
of main casing
(nearest foot)ST 6 100
60 61 63 64 66 70

OTHER CASING (if used)

diameter depth (feet)
inch from to

EACH CASING

screen type
or open hole

SCREEN RECORD

(insert
appropriate
code
below)ST BR HO
STEEL BRASS OPEN
HOLE
PL PL OT
PLASTIC OTHER

C 2

DEPTH (nearest ft.)

H0 98 500

1 8 9 11 15 17 21

2 23 24 26 30 32 36

3 38 39 41 45 47 51

SLOT SIZE 1 2 3

DIAMETER OF SCREEN 6 (NEAREST INCH)

from to

GRAVEL PACK
IF WELL DRILLED
WAS FLOWING WELL
INSERT F IN BOX 68MDE USE ONLY
(NOT TO BE FILLED IN BY DRILLER)

T (E.R.O.S.) W Q

70 72 74 75 76

TELESCOPE LOG OTHER DATA
CASING INDICATOR

C 3

PUMPING TEST

HOURS PUMPED (nearest hour)

PUMPING RATE (gal. per min.)

METHOD USED TO MEASURE PUMPING RATE WATCH & BUCKET

WATER LEVEL (distance from land surface)

BEFORE PUMPING 34 ft.

WHEN PUMPING 270 ft.

TYPE OF PUMP USED (for test)

A air P piston T turbine
C centrifugal R rotary O other
J jet S submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP YES NO

IF DRILLER INSTALLS PUMP, THIS SECTION
MUST BE COMPLETED FOR ALL WELLS.TYPE OF PUMP INSTALLED
PLACE (A,C,J,P,R,S,T,O)
IN BOX 29CAPACITY:
GALLONS PER MINUTE
(to nearest gallon) 31 35

PUMP HORSE POWER 37 41

PUMP COLUMN LENGTH
(nearest ft.) 43 47CASING HEIGHT (circle appropriate box
and enter casing height)+ above LAND SURFACE 2 (nearest foot)
- below 50 51LATITUDE 39.3492
LONGITUDE 76.94110
(DEFAULT COORD. WGS 84)
NOTES:

RECEIVED

MAY 22 2017

HOWARD COUNTY HEALTH DEPT.
BUREAU OF ENVIRONMENTAL HEALTH

TAG: 3/29/17

B 1 6560 1 2 3 6		SEQUENCE NO. (MDE USE ONLY)		STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type 560542-C		STATE PERMIT NUMBER HO-17-0031 fill in this form completely	
Date Received (APA) 02/17/17 8 MM DD YY 13 Gillirce Family LLC 15 Last Name Owner First Name 34 13111 Linden Church Rd 36 Street or RFD 55 Clarksville MD 21029 57 Town 70 State 72 Zip 76				B 3 LOCATION OF WELL Howard 8 COUNTY 21 Walker Meadows 23 SUBDIVISION 42 SECTION 14 44 46 48 50 Sykesville 52 NEAREST TOWN 71			
DRILLER INFORMATION Randall Alexander MW D576 Driller's Name 76 License No. 81 Randall Alexander well Drilling Firm Name PO BOX 443 126 West Main St., Fairfield PA 17320 Address Randall Alexander 2-12-17 Signature Date				B 4 SOURCES OF DRILLING WATER Well water HCHD Great 1/2 ON WHICH SIDE OF ROAD 20 gal 160/50 lbs BENTONITE (CIRCLE APPROPRIATE BOX) Bensal Bentonite 4C' Tremie Pipe B bags High Stepper Trail 11 STREET ADDRESS 30 NORTH WEST EAST SOUTH 34 700 37 DISTANCE FROM ROAD ENTER FT OR MI 38 39 TAX MAP: 9 BLK: 6 PARCEL 66			
B 2 WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) 5 8 12 375 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 20				NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL HOWARD COUNTY NAME STATE SIGNATURE DATE ISSUED 03/01/17 43 MM DD YY 48 CO SIGNATURE 03/01/18 EXP. DATE DON: 3/29/17 DOG: 04/06/17			
USE FOR WATER (CIRCLE APPROPRIATE BOX) <input type="checkbox"/> DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION <input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input checked="" 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				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 3/29/17 - @ 300' w/ 100' of casing Fracture between 148' - 150' 39gpm. driller will Continue drilling deeper to try and set a higher yield. (PA) 3/30/17 - drilled to 500' and got 5gpm (PA) 620' 610' SDA MA B6 P338 LOT 12 5/11/2018 @ Re yield. PASSING yield			
APPROXIMATE DEPTH OF WELL 300 FEET 24 28 APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST				METHOD OF DRILLING (circle one) BORED (or Augered) JETTED Jetted & DRIVEN 30 AIR-ROTARY AIR-PERCUSSIVE ROTARY (Hydraulic Rotary) 37 CABLE REVERSE-ROTARY DRIVE-POINT other			
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 DEEPEM 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 G PERMIT No. HO-17-0031 70 71 72 73 74 75 76 77 78 79			
SPECIAL CONDITIONS NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED							

Yield Test Data Sheet

County File #

560542-C

MD Well Permit #: HO-17-0031Subdivision Name: WALKER MANSIONSSection: _____ Lot # 14Street Address: HIGH STEEPER TRAIL SYKESVILLEMeasuring Point (MP) Description: Top of casing
(for ex. "Top of casing")Distance from MP to ground surface 2 ft.Well Depth 500 ft.Well Driller: William L. Heck JSD-095
ALEXANDERS WELL DRILLING

Must be submitted with the State of Maryland Well Completion Report

Submit to: Bureau of Environmental Health
8930 Stanford Blvd.
Columbia Md. 21045

NOTES:

5/1/17

RECEIVED

MAY 22 2017

HOWARD COUNTY HEALTH DEPT.
BUREAU OF ENVIRONMENTAL HEALTH

U:\ENV\FORMS\WELLS\data.sheet

Pump Start Time	Static Water level: <u>34</u> ft.	Pumping Rate <u>N</u> Time to fill 1 gal. bucket () Flow meter reading (if used)	Calculated Flow (gallons per minute)
TIME	WATER LEVEL BELOW M.P.		
Water level and pumping rate must be recorded every 15 minutes			
1 9:30	34 ft.	7	8.5 GPM
2 9:45	82 ft.	7	8.5 GPM
3 10:00	116 ft.	7	8.5 GPM
4 10:15	144 ft.	7	8.5 GPM
5 10:30	169 ft.	7	8.5 GPM
6 10:45	188 ft.	7	8.5 GPM
7 11:00	209 ft.	7	8.5 GPM
8 11:15	229 ft.	7	8.5 GPM
9 11:30	241 ft.	8	7.5 GPM
10 11:45	254 ft.	8	7.5 GPM
11 12:00	258 ft.	9	6.6 GPM
12 12:15	265 ft.	9	6.6 GPM
13 12:30	270 ft.	9	6.6 GPM
14	ft.		GPM
15 12:34	270 ft.	11 11	5.4 GPM
16	ft.		GPM
17	ft.		GPM
18	ft.		GPM
19	ft.		GPM
20	ft.		GPM
21	ft.		GPM
22	ft.		GPM
23	ft.		GPM
24	ft.		GPM
25	ft.		GPM
26	ft.		GPM
27	ft.		GPM
28	ft.		GPM
29	ft.		GPM
30	ft.		GPM

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 17-0031

Location of property (road) High Stepper Trail

Subdivision Walker Meadows

Lot 14

Block

Plat

Sec.

Well Driller Alexander Weil Drilling

Owner Gilliecl

Family LLC

Depth of well 500

Distance of measuring point (M.P.) above ground 2

Static water level (S.W.L.) below M.P. 30.2

I. High rate pumping -- reservoir drawdown

Time pump started 7:30 Am

Pumping rate 12 GPM

Total time 1 HR - 15 MIN to reach pumping water level 256 ft. below M.P.

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

[illegible]

INTERIM CERTIFICATE OF POTABILITY**Expiration Date – OCTOBER 20, 2020**

April 20, 2020

Homeowner
1041 Stepping Place
West Friendship, MD 21794**RE: Walker Meadows, Lot 14
1041 Stepping Place
Building Permit: B19004198
Well Permit: HO-17-0031**

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 **3/17/2020**. Final approval of the well line connection to the dwelling was granted on **2/19/2020**. The well construction was completed on **5/1/2017**. Water samples were collected on **4/13/2020**.

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-17-0031. 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>



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

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

Cabahug, Joseph

From: Cabahug, Joseph
Sent: Monday, March 26, 2018 3:01 PM
To: Randall Alexander
Cc: Wolf, Kevin; Collins, Sarah; Rappaport, Ryan
Subject: Walker Meadows Lot 14 - Failed Yield Test
Attachments: Walker Meadows_Yield Test_Lot 14_2017.05.01.pdf

Hello Alexander's Well Drilling,

The yield test performed on Walker Meadows lot 14 is deemed not passing per COMAR 26.04.04.26(G)(4)(b):

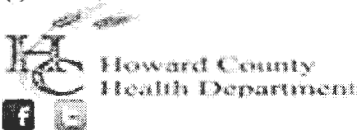
The pump test may be terminated early and the well yield shall be considered adequate if a well yields 4 gallons per minute or greater for 3 hours continuous pumping after the well has been pumped out, [where] pumping shall begin at a rate of withdrawal greater than 8 gallons per minute until the water level drops to a point close to the pump.

From 9:30 to 12:30 the water level was reported to be steadily decreasing towards the pump, confirmed with HCHD notes.

I vaguely recall there being an issue this day during the yield in which the field operator informed me that something happened with the pump and another yield test would be required at a later date. This is a friendly reminder. Please reschedule a yield test for this lot.

Bests,

Joseph C. Cabahug - LEHS
Environmental Health Specialist
Howard County Health Department - Well & Septic Program
Bureau of Environmental Health
8930 Stanford Blvd.
Columbia, MD 21045
(o) 410-313-2643
(f) 410-313-2648



jcabahug@howardcountymd.gov

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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 #:	136725	Account #:	1933
Reference:	Walker Meadows Lot 14	Companv:	Fogles Well Pump & Treatment
Location:	1041 Stepping Place	Requested By:	Dave Fogle
	West Friendship, MD 21794	Source:	Well Water
Date/ Time Collected:	4/13/2020 0840	Site:	Pressure Tank
Date/Time Rec'd:	4/13/2020 1015	Treatment:	None
Chlorine ppm:	Free: ND Total: ND	pH:	7.2
Collected By:	J. Evans 0309JE	Well #:	HO-17-0031

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	4/14/2020 / 0900 / RER
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	4/14/2020 / 0900 / RER
Iron	0.05	mg/L	0.3*	FR, 45 (126)	4/13/2020 / 1145 / RER
Nitrate	<1.0	mg/L	10	601	4/14/2020 / 0920 / CRS
Turbidity	0.75	NTU	<10	SM20 2130B	4/14/2020 / 0935 / CRS
Sand	NS	mg/L	5	Visual/Gravimetric	4/14/2020 / 0935 / CRS

NOTES

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

Reason for Test : Use & Occupancy

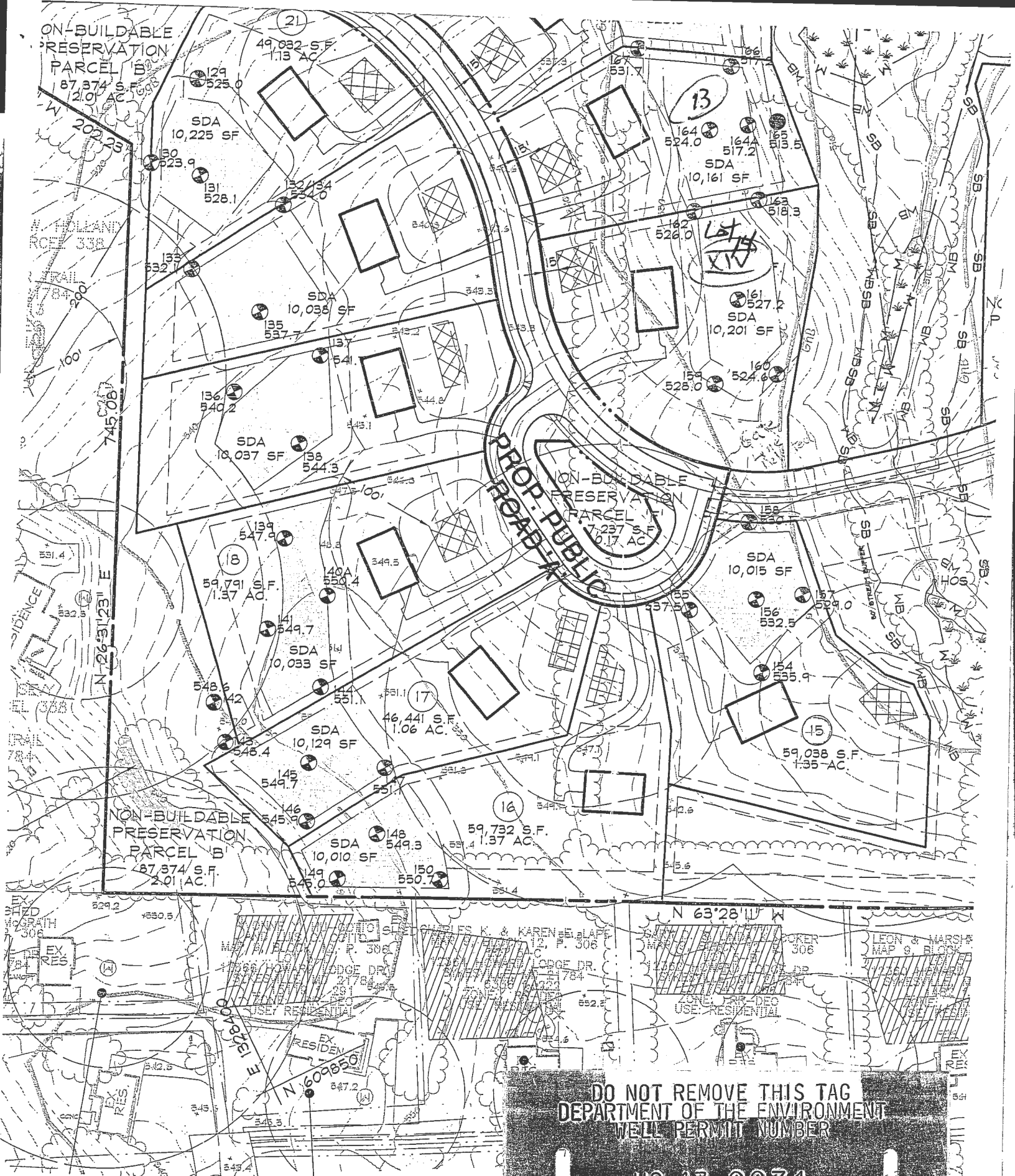
Building Permit # : 19004198

Date Reported: 4/14/2020

Walker Meadow Sub.
High Stepper trail
Alexander well

FILE INQUIRY NOTES

DATE	RESULTS OF REVIEW FOR FILE
4/6/17	<p>Grouting: 20 gal H₂O per 50 lbs bentonite</p> <p>Benseal - 13 bags .75-1 gal EZ MUD Emulsifier</p> <p>45' Tremie Pipe</p>
5/1/17	<p>yield:</p> <p>Pump set ~300' ~500' deep</p> <p>Static Water 34' ~100' casing</p> <p>## 140 m</p> <p>11:30 241' 8 mc 1 gal fl</p> <p>11:45 254' 8.75_e 1 gal fl</p> <p>12:00 258' 9 mc 1 gal fl (x)</p>



WALKER MEADOWS - LOT 14
Approved 03/01/2017
HO-17-0031

DO NOT REMOVE THIS TAG
DEPARTMENT OF THE ENVIRONMENT
WELL PERMIT NUMBER

HO-17-0031

INFORMATION GIVE NUMBER AND WRITE
1800 WASHINGTON BLVD
BALTIMORE MARYLAND 21230

FILE INQUIRY NOTES

[illegible]

