

C1 49256 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

FILL IN THIS FORM COMPLETELY PLEASE TYPE

COUNTY NUMBER

ST/CO USE ONLY DATE RECEIVED MM 02 DD 07 YY 17

DATE WELL COMPLETED MM 11 DD 04 YY 16

Depth of Well 22 500 26 (TO NEAREST FOOT) PERMIT NO. FROM "PERMIT TO DRILL WELL" OK 7/10/17 SC Ho 15-0329

OWNER Newman Scott WELL SITE ADDRESS 18380 Chelsea Knolls TOWN Mt Airy SUBDIVISION Chelsea Knolls SECTION Drive LOT 10

WELL LOG Not required for driven wells

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

Table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), check if water bearing. Rows include SOIL, CLAY, Brown Shale, GRAY Rock, Ver-soft, GRAY Rock, Well # 1 - 600' Dry (BACK FILL), 39.31557 77 15 98

GROUTING RECORD yes no

WELL HAS BEEN GROUTED (Circle Appropriate Box) Y N TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY BC NO. OF BAGS 45 46 12 NO. OF POUNDS 45 48 128 GALLONS OF WATER 72 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 42 ft.

CASING RECORD

screen type or open hole (insert appropriate code below) casing types insert appropriate code below: ST STEEL, CO CONCRETE, PL PLASTIC, OT OTHER. MAIN CASING TYPE: PL Nominal diameter top (main) casing (nearest inch): 6 60 61 Total depth of main casing (nearest foot): 42 66 70

OTHER CASING (if used) diameter inch depth (feet) from to. Rows: PL 4 1/2 10 100, PL 4 1/2 200 300, PL 4 1/2 450 500

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

NUMBER OF UNSUCCESSFUL WELLS: 1 WELL HYDROFRACTURED yes no Y N

CIRCLE APPROPRIATE LETTER A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED E ELECTRIC LOG OBTAINED P TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS LIC. NO. 1 M D 355 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. 1 M S D 0666

SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

C 2 DEPTH (nearest ft.)

Table with columns: E A C H S C R E E N, 1 2 3 4 5 6 7 8 9 11 15 17 21 23 24 26 30 32 36 38 39 41 45 47 51. Rows: PL 100 200, PL 300 450, SLOT SIZE 1 .020 2 3 DIAMETER OF SCREEN 4 1/2 (NEAREST INCH) 56 60

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 58

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q 70 72 74 75 76

TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3 PUMPING TEST

HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 2.0 METHOD USED TO MEASURE PUMPING RATE Submersible WATER LEVEL (distance from land surface) BEFORE PUMPING 122 ft. WHEN PUMPING 302 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 (CIRCLE) (YES OR NO) 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 29. CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35 PUMP HORSE POWER 37 41 PUMP COLUMN LENGTH (nearest ft.) 43 47 CASING HEIGHT (circle appropriate box and enter casing height) + above, - below LAND SURFACE (nearest foot) 1

LATITUDE 39.31559 LONGITUDE 77.15180 (DEFAULT COORD. WGS 84)

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.

B 1 19377

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type

STATE PERMIT NUMBER

HO-15-0329

Date Received (APA)

10 19 16

OWNER INFORMATION

Newman Scott 18380 Chelsea Knolls Drive Mt Airy MD 21771

B 3

LOCATION OF WELL

Howard 8 COUNTY Chelsea Knolls 23 SUBDIVISION SECTION 44 46 LOT 10 48 50 Mt Airy 52 NEAREST TOWN

DRILLER INFORMATION

Michael Barlow MWD 355 Barlow Well Drilling 522 Underwood Lane 21014 10/18/16

B 4

SOURCES OF DRILLING WATER

1. Well

18380 Chelsea Knolls

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH SOUTH WEST EAST DISTANCE FROM ROAD 100 FT ENTER FT OR MI TAX MAP: 12 BLK: 5 PARCEL R

B 2

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 750

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

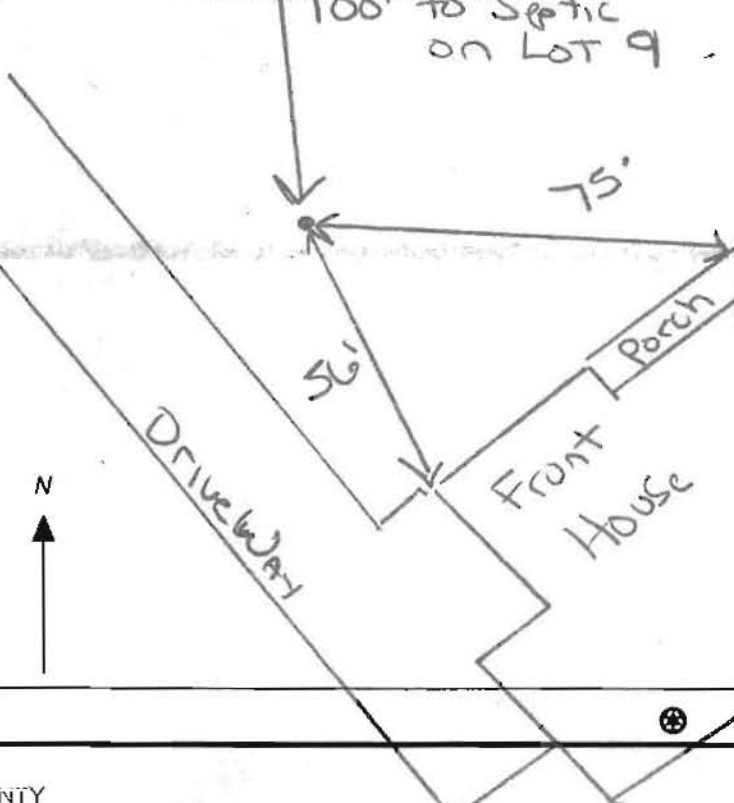
- USE FOR WATER (CIRCLE APPROPRIATE BOX) D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) I INDUSTRIAL, COMMERCIAL, DEWATERING P PUBLIC WATER SUPPLY WELL T TEST, OBSERVATION, MONITORING O OPEN LOOP GEOTHERMAL C CLOSED LOOP GEOTHERMAL

Howard 13 COUNTY NAME COUNTY NO. STATE SIGNATURE INSERT S DATE ISSUED 10/19/16 CO SIGNATURE EXP. DATE 10/19/17

APPROXIMATE DEPTH OF WELL 300 FEET APPROXIMATE DIAMETER OF WELL 6 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) BORED (or Augered) AIR-ROTARY CABLE other JETTED AIR-PERCussion REVERSE-ROTARY Jetted & DRIVEN ROTARY (Hydraulic Rotary) DRIVE-POINT



REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) N THIS WELL WILL NOT REPLACE AN EXISTING WELL Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS D THIS WELL WILL DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROP. PERMIT NUMBER G PERMIT No. HO-15-0329

SPECIAL CONDITIONS NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

HOWARD COUNTY HEALTH DEPARTMENT
 BUREAU OF ENVIRONMENTAL HEALTH
 WELL & SEPTIC PROGRAM
 TEL: (410)313-1771 FAX: (410)313-2648

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 Drilling LLC Telephone #: 410 795 5670
 Address: PO Box 202
Woodbine, MD 21797

(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. Fogle License # MSD226
 *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: SCOTT NEWMAN Telephone #: 240-324-9010
 Subdivision: Chelsea Knolls Lot #: 10 Well Tag #: HO-15-0329
 Site Address: 19380 Chelsea Knolls Dr
Mt. Airy, MD 21771

<u>Submersible Pump Data</u>	<u>Pitless Adapter</u>	<u>Well Cap and Electric Conduit</u>
Make: <u>Grundfos</u>	Make: <u>Camphill</u>	Two piece watertight cap: <u>Yes</u>
Model #: <u>155GE10-220</u>	Model #: <u>N/A</u>	Screened, vented well cap: <u>Yes</u>
Pump Capacity: <u>15</u> GPM	Depth: <u>36"</u> (36" min)	Cap secured to casing: <u>Yes</u>
Well Yield: <u>2</u> GPM	NSF/WSC approved: <u>Yes</u>	Conduit min 1 1/2" R.G.: <u>Yes</u>
Depth of well encountered at time of pump installation: <u>500</u> (feet)		Conduit secured to well cap: <u>Yes</u>

If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4
 Torque wrenches, Cable guards, or other acceptable method used - Must circle one
 Safety rope, if used, attached to brass rope adapter or other acceptable method inside of well casing N/A

<u>Piping in house</u>	<u>House Connection</u>
Type: <u>1" poly pipe</u>	PVC sleeve to undisturbed soil at wall penetration: _____
PSI: <u>700 (60 psi min)</u>	Length of sleeve (S, minimum from foundation): _____
Depth of supply line: <u>36"</u> (36" min)	Sleeve sealed properly: _____

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.


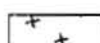
Signature of company representative responsible for installation: David Fogle date: 11/7/16

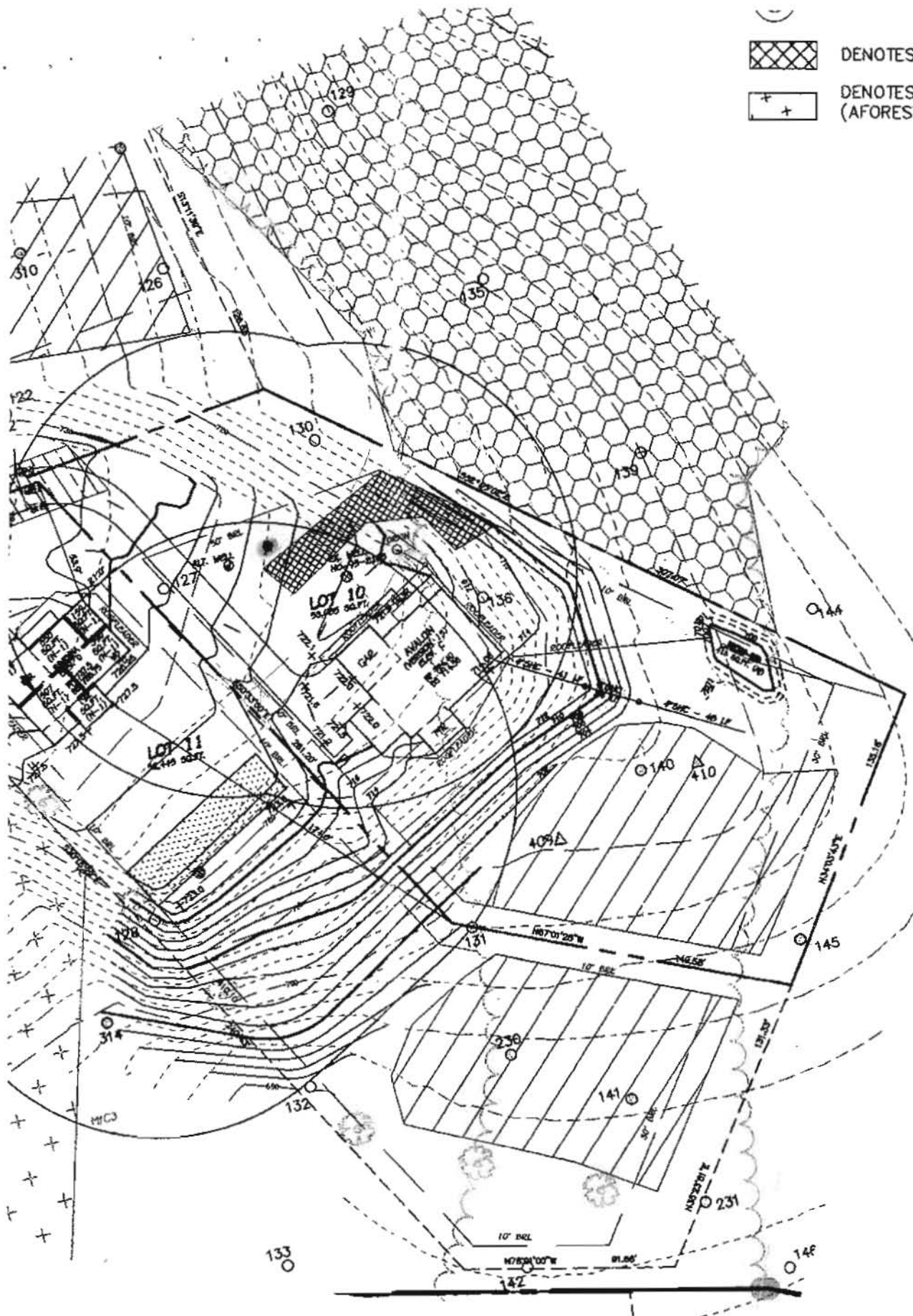
For Health Department Use Only - Not to be completed by Installer

Date Insp. Requested: 11/9/16 Date Insp. Approved: 11/9/16 Inspector: SC

Inspection Data: Pitless adapter watertight & water supply line at least 36" below grade	<u>✓</u>
Two piece cap installed and attached to casing securely	<u>✓</u>
Elec. conduit extends at least 1 1/2" below grade/attached to cap properly	<u>✓</u>
Safety rope not outside of well cap/casing	<u>✓</u>
Correct well tag attached properly and casing 8" above finished grade	<u>✓</u>
Water supply line sleeved adequately at house connection	<u>✓</u> connected to existing line
Adequate grout observed below pitless adapter	<u>✓</u> ~1' below pitless

electric in side of house

 DENOTES
 DENOTES
 (AFOREST)



1" = 60 Feet



Bureau of Environmental Health

8930 Stanford Blvd, Columbia, MD 21045
Main: 410-313-2640 | Fax: 410-313-2648
TDD 410-313-2323 | Toll Free 1-866-313-6300
www.hchealth.org

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

November 22, 2016

Homeowner
18380 Chelsea Knolls Drive
Mt. Airy, MD 21771

RE: **Replacement Well Sampling**
18380 Chelsea Knolls Drive
#HO-15-0324

Dear Homeowner,

According to our records, your replacement well has been connected to the dwelling. We request that you contact the Community Hygiene Program at (410) 313-1773 to schedule initial water sampling for the above referenced replacement well, as required by the Maryland Well Construction Regulation (COMAR 26.04.04). This sampling includes testing for bacteria, nitrates, turbidity, and sand. There is currently no charge for the sampling and it is to your benefit to have it tested.

Sampling of the new well should be collected from the primary indoor drinking tap, but if suitable scheduling is not possible, the sample may be taken from an outside tap to complete your sampling obligation. However, the potential for unsuccessful sample results increases when samples are collected from taps exposed to the outside environment. If sampling has already been performed by an outside lab, please help us by forwarding the results of the samples to our office.

Given that you have two wells serving the house on an A/B switch, please ensure that the new well is supplying water to the house at the time of sampling.

Feel free to contact me with any questions.

Sincerely,

A handwritten signature in cursive script that reads 'Sarah Collins'.

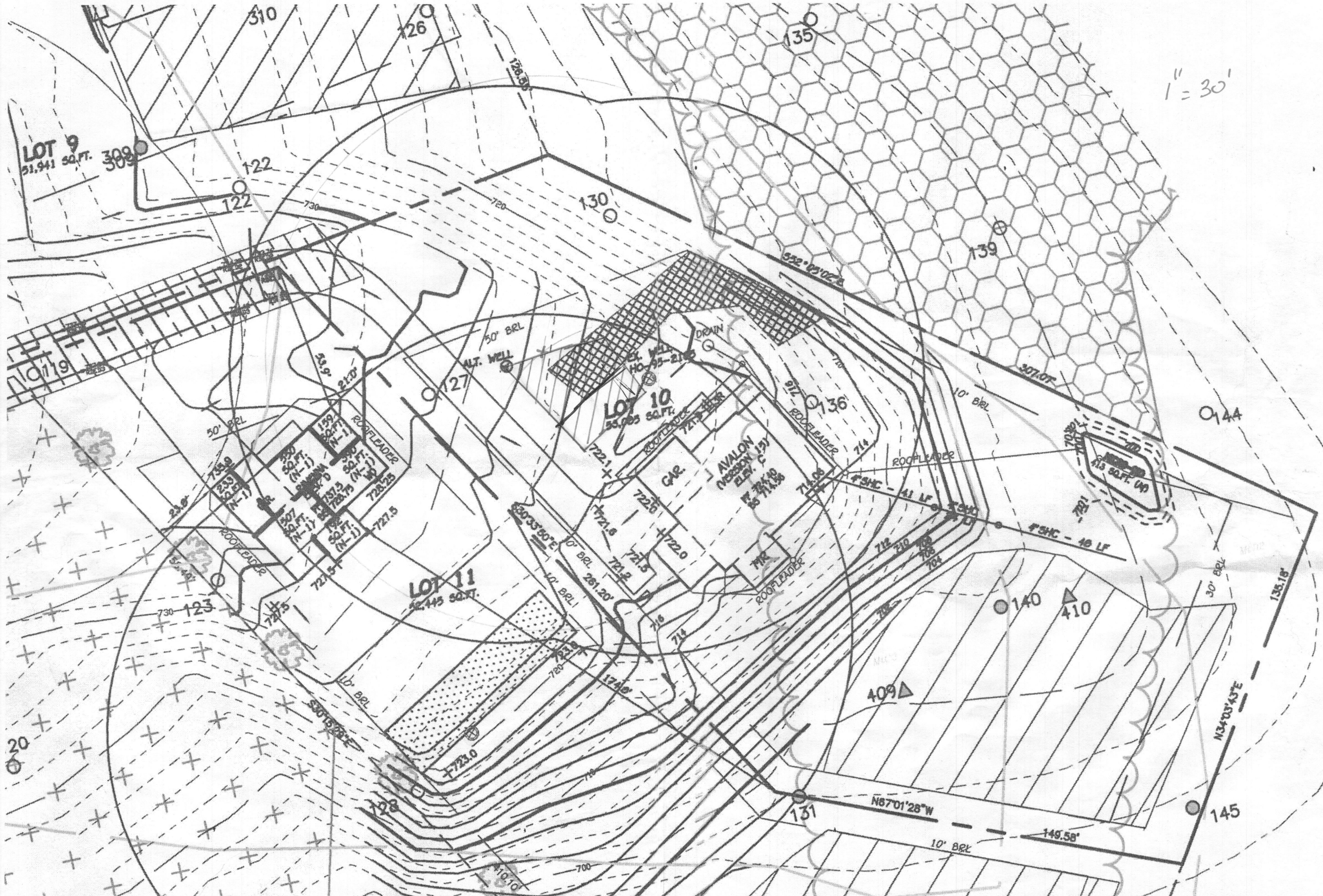
Sarah Collins, L.E.H.S.
Well and Septic Program
SCollins@howardcountymd.gov
410-313-6287

Cc: Community Hygiene Program
File

FILE INQUIRY NOTES

DATE	RESULTS OF REVIEW FOR FILE
10/26/16	On site during drilling - at 525' and no water. Will drill to 600'.
	Spoke with driller and approved a second site to drill, 30' off the house and 100'+ from lot 9 septic area. (Sc)
10/27/16	Drilling at 2nd location. At 300' and hitting a little water. Driller says the material is really soft. (Sc)

1" = 30'



LOT 9
51,941 SQ. FT.

LOT 10
55,083 SQ. FT.

LOT 11
52,445 SQ. FT.

AVALON
MESSON 121
ELEV. C.
E 70'x10'
S 71'x18'

N67°01'28"W

149.58'

145

20

123

122

126

127

130

135

139

144

140

410

409

131

110.10

128

14

