

C1 156587

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

ATL

ST/CO USE ONLY

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE Received MM DD 06 03 19

5-16-19 Approved 07/01/2019

800 (TO NEAREST FOOT)

HO-18-0064

OWNER: Barry David; WELL SITE ADDRESS: 7016 Deer Valley Rd; TOWN: Clarksville; SUBDIVISION: Cissel Farm; SECTION: 3; LOT: 17

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 FROM TO check if water bearing

Table with 3 columns: Description, Feet From, Feet To. Rows include Clay (0-12), Soft brown (12-50), Grey Limestone (50-110), Brown (110-111), Grey Limestone (111-520), Fracture (520-521), Grey Limestone (521-800).

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box) YES (Y) NO (N)

TYPE OF GROUTING MATERIAL (Circle one)

CEMENT (CM) BENTONITE CLAY (BC)

NO. OF BAGS 25 NO. OF POUNDS 2350

GALLONS OF WATER 150

DEPTH OF GROUT-SEAL (to nearest foot)

from 0 ft. to 70 ft. (enter 0 if from surface)

CASING RECORD

ST (STEEL) CO (CONCRETE) PL (PLASTIC) OT (OTHER)

MAIN CASING TYPE: ST, Nominal diameter top (main) casing (nearest inch): 06, Total depth of main casing (nearest foot): 72

OTHER CASING (if used) diameter inch, depth (feet) from to

SCREEN RECORD: screen type or open hole, insert appropriate code below. ST (STEEL), BR (BRASS), HO (OPEN HOLE), PL (PLASTIC), OT (OTHER)

DEPTH (nearest ft.): HO 72, 800

SLOT SIZE 1, 2, 3

DIAMETER OF SCREEN (NEAREST INCH) from to

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

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

TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 6

PUMPING RATE (gal. per min.) 1.3

METHOD USED TO MEASURE PUMPING RATE 192L

WATER LEVEL (distance from land surface)

BEFORE PUMPING 170 ft.

WHEN PUMPING 380 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)

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 2 (nearest foot)

LATITUDE 39.178690 LONGITUDE 76.928405 (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.

NUMBER OF UNSUCCESSFUL WELLS: 2

WELL HYDROFRACTURED YES (Y) NO (N)

CIRCLE APPROPRIATE LETTER: A (WELL ABANDONED AND SEALED), 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 SD 224; DRILLERS SIGNATURE; LIC. NO. 1 D

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

B 1  
59757

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND  
APPLICATION FOR PERMIT TO DRILL WELL  
504849 please type

STATE PERMIT NUMBER  
HO-18-0064  
fill in this form completely

Date Received (ARA) 04/22/19  
OWNER INFORMATION  
8 - MM DD YY 13  
Berry David  
15 Last Name Owner First Name 34  
1802 Belvedere Blvd  
36 Street or RFD 55  
Silver Springs, Md 20902  
57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL  
Howard  
8 COUNTY 21  
Cissel Farm  
23 SUBDIVISION 42  
SECTION 3 LOT 17  
44 -48 48 50  
Clarksville  
52 NEAREST TOWN 71

DRILLER INFORMATION  
Driller's Name Andrew R. Hansen M S D 224  
76 License No. 81  
Fogles Well Drilling, LLC  
Firm Name  
P.O. Box 202 Woodbine, Md 21797  
Address  
Signature Andrew R. Hansen Date

B 4 SOURCES OF DRILLING WATER  
1. Well water  
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
NORTH  
WEST EAST  
SOUTH  
34 30 37  
DISTANCE FROM ROAD ENTER FT OR MI 38 39  
TAX MAP: 40 BLK: 03 PARCELS 235

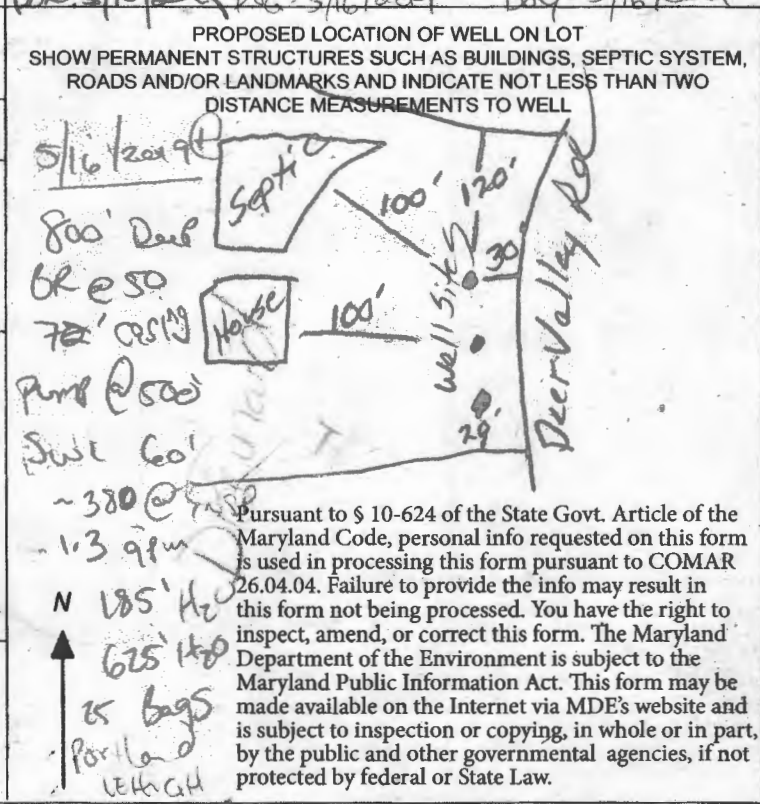
7016 Deer Valley Rd  
11 STREET ADDRESS 30  
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
NORTH  
WEST EAST  
SOUTH  
34 30 37  
DISTANCE FROM ROAD ENTER FT OR MI 38 39  
TAX MAP: 40 BLK: 03 PARCELS 235

B 2 WELL INFORMATION  
APPROX. PUMPING RATE 5  
(GAL. PER MIN.) 8 12  
AVERAGE DAILY QUANTITY NEEDED 500  
(GAL. PER DAY) 14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)  
 DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION  
 FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)  
 INDUSTRIAL, COMMERCIAL, DEWATERING  
 PUBLIC WATER SUPPLY WELL  
 TEST, OBSERVATION, MONITORING  
 OPEN LOOP GEOTHERMAL  
 CLOSED LOOP GEOTHERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL  
Howard  
COUNTY NAME COUNTY NO. 13  
STATE SIGNATURE INSERT \$ 41  
DATE ISSUED 5/1/19  
43 MM DD YY 48 CO SIGNATURE EXP. DATE 5/1/20

APPROXIMATE DEPTH OF WELL 300 FEET  
24 28  
APPROXIMATE DIAMETER OF WELL 6 INCH  
NEAREST INCH



METHOD OF DRILLING (circle one)  
BORED (or Augered) JETTED Jetted & DRIVEN  
36 AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)  
37 CABLE REVERSE-ROTARY DRIVE-POINT  
other

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)  
 THIS WELL WILL NOT REPLACE AN EXISTING WELL  
 THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED  
39  THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS  
 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-18-0064  
70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS Must call Drilling notifications in.  
NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

**FOGLE'S WELL DRILLING, LLC**  
**P.O. Box 202**  
**Woodbine, Md 21797**  
**443-609-4195**  
**FIELD DATA SHEET**  
**HOWARD COUNTY WELL YIELD TEST**

Well Permit No. HO-18-0064Location of Property: 7016 Deer Valley Rd Clarksville, MdSubdivision: Cissel Farm Sec: 3 Lot#: 17Well Driller/Tech: Fogles Andrew Houseman MSD224 Owner: David BerryDepth of Well: 800' Casing: 72' of 6" Steel CasingDistance of measuring point (M.P.) above ground: 2'Static water level (S.W.L.) below M.P.: 60'

High rate pumping –reservoir Drawdown

Time pump started: 6:30 Pumping rate: 10Total time 135 Mins to reach pumping water level 380 ft. below M.P.

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 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
6:30	60'	6 Seconds		10 gpm
6:45	107'	7 Seconds		8.5 gpm
7:00	154'	7 Seconds		8.5 gpm
7:15	193'	8 Seconds		7.5 gpm
7:30	244'	10 Seconds		6 gpm
7:45	282'	12 Seconds		5 gpm
8:00	316'	12 Seconds		5 gpm
8:15	331'	13Seconds		4.6 gpm
8:30	365'	15 Seconds		4 gpm
8:45	380'	45 Seconds		1.3 gpm
9:00	380'	45 Seconds		1.3 gpm
9:15	380'	45 Seconds		1.3 gpm
9:30	380'	45 Seconds		1.3 gpm
9:45	380'	45 Seconds		1.3 gpm
10:00	380'	45 Seconds		1.3 gpm
10:15	380'	45 Seconds		1.3 gpm
10:30	380'	45 Seconds		1.3 gpm
10:45	380'	45 Seconds		1.3 gpm
11:00	380'	45 Seconds		1.3 gpm
11:15	380'	45 Seconds		1.3 gpm
11:30	379'	45 Seconds		1.3 gpm
11:45	379'	45 Seconds		1.3 gpm
12:00	379'	45 Seconds		1.3 gpm
12:15	379'	45 Seconds		1.3 gpm
12:30	379'	45 Seconds		1.3 gpm
12:45	379'	45 Seconds		1.3 gpm
1:00	379'	45 Seconds		1.3 gpm
1:15	379'	45 Seconds		1.3 gpm
1:30	379'	45 Seconds		1.3 gpm
1:45	379'	45 Seconds		1.3 gpm
2:00	379'	45 Seconds		1.3 gpm

<b>2:15</b>	<b>379'</b>	<b>45 Seconds</b>		<b>1.3 gpm</b>
<b>2:30</b>	<b>379'</b>	<b>45 Seconds</b>		<b>1.3 gpm</b>
<b>2:45</b>	<b>379'</b>	<b>45 Seconds</b>		<b>1.3 gpm</b>



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:

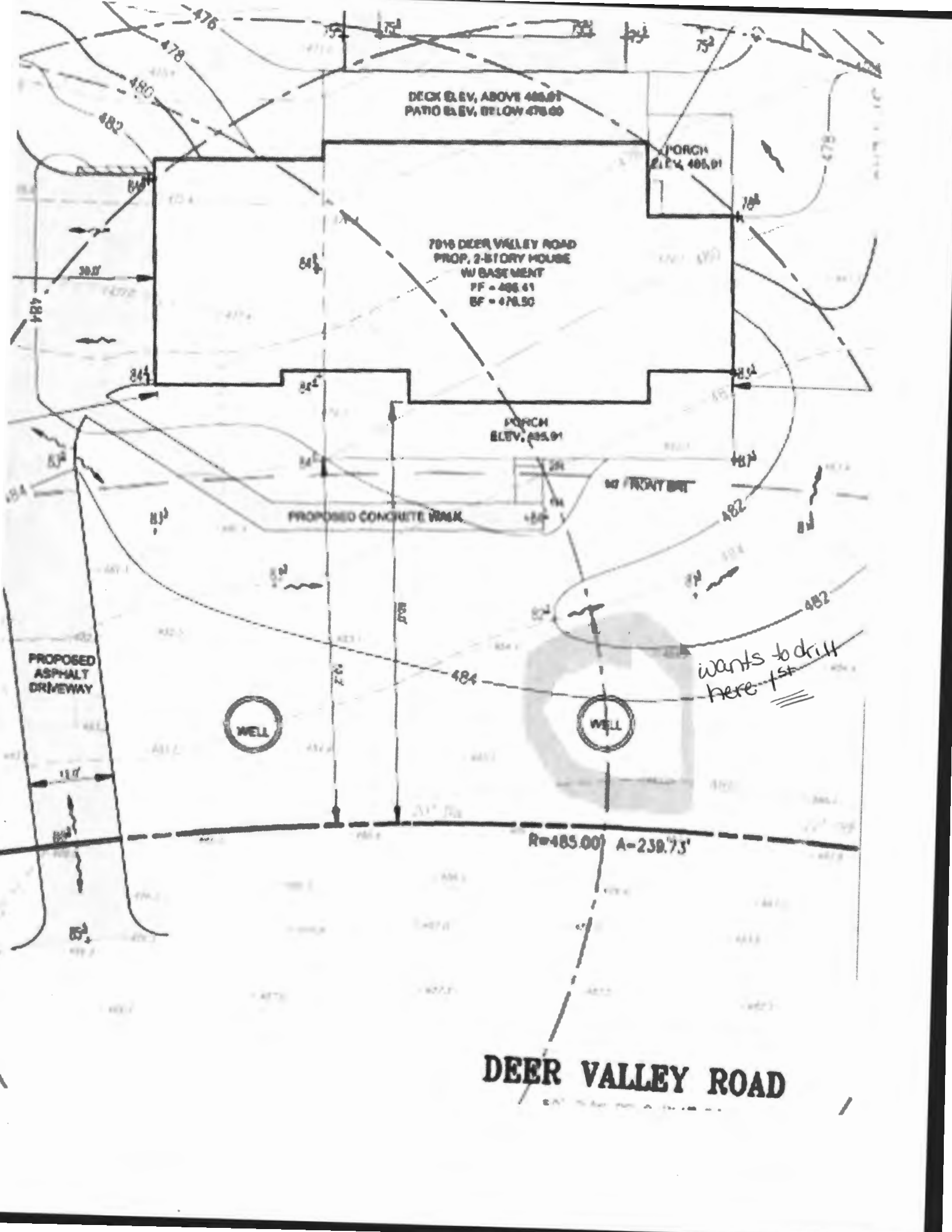
Cissel Farm                      7016 Deer Valley Rd.  
Subdivision/Property Name                      Lot #                      Road Name

The well site has been staked by Charles P Johnson  
(professional land surveyor or company employing professional land surveyors)  
on 4-11-19 (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.





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: Fogale Well Pump & Water Treatment, LLC Telephone #: 410 795 5670  
Address: 580 Dobrecht 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 Fogale License# MSP226

\*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: David Barry Telephone #: 240-398-1538  
Subdivision: Cisset Farm #3 Lot #: 17 Well Tag #: HO-18-0064  08/20/2019  
Site Address: 7016 Deer Valley Rd  
Highland, MD 20777

**Submersible Pump Data**

Make: Goulds  
Model #: 5B215422  
Pump Capacity: 5  
Well Yield: 1.3

**Pitless Adapter**

Make: Pumpbell+  
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

Depth of well encountered at time of pump installation: 300 (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. NA

**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: [Signature] date: 8/20/19

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

Date Insp. Requested: 08/20/2019 Date Insp. Approved: 08/20/2019 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

45" 8/20/2019  
 41" 8/20/2019  
 22" 8/20/2019  
 9" 8/20/2019

(Revised form 10/24/2018)

Ex House  
08/20/2019  
17'

## Freemon, Robert

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**From:** Rich Ingram <ringram@cpja.com>  
**Sent:** Thursday, July 11, 2019 9:48 AM  
**To:** Barry, David; Freemon, Robert; Tony Fertitta  
**Cc:** Mahboob Yonis  
**Subject:** RE: 7016 Deer Valley  
**Attachments:** Deer Valley 190711.pdf

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Good Morning,

I think we can get that drywell over as shown on the attached. I added the offsite well location and 100' offset circle to the attached. Let me know if this work for you.

Thanks,

Rich Ingram  
Charles P. Johnson & Associates, Inc.  
301-434-7000 x142

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**From:** Barry, David <dbarry@nvrinc.com>  
**Sent:** Wednesday, July 10, 2019 4:08 PM  
**To:** Freemon, Robert <rfreemon@howardcountymd.gov>; Tony Fertitta <tonyf@fcc-eng.com>  
**Cc:** Rich Ingram <ringram@cpja.com>; Mahboob Yonis <MYonis@cpja.com>  
**Subject:** RE: 7016 Deer Valley

Spencer,  
Let me get with CPJ on that- they did the drywell plan.

Rich/Mahboob,  
See below and attached.

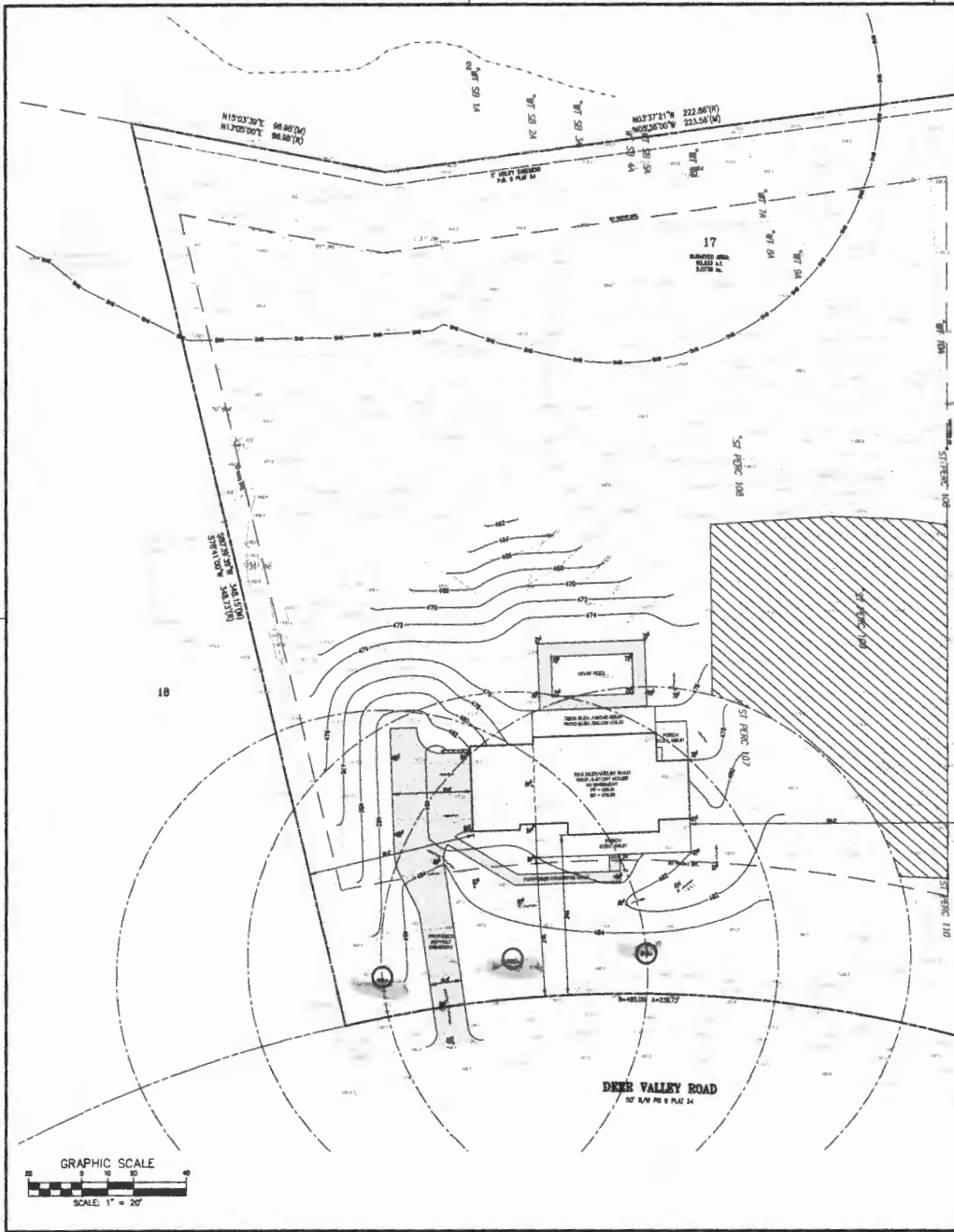
Thanks!

## Dave Barry

Senior Project Manager

-----  
Washington North  
4700 Corridor Place, Ste. 100  
Beltsville, MD 20705  
Hours: Mon.-Thur. 7:30 AM- 4:30 PM, Fri. 7:30 AM- 3:30 PM

P: 240-398-1538  
F: 301-937-3308  
E: [dbarry@nvrinc.com](mailto:dbarry@nvrinc.com)  
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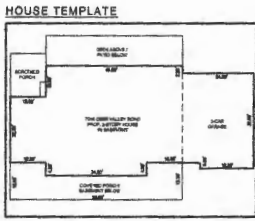


**LEGEND**

- EXISTING 2' CONTOURS
- EXISTING 10' CONTOURS
- EXISTING SPOT GRADE ELEVATION
- EXISTING TREES
- EXISTING TREE LINE
- DR. DRIVEWAY
- PROPOSED CONTOURS
- PROPOSED SPOT GRADE ELEVATION
- LIMIT OF DEVELOPMENT
- SET FENCE
- DEVELOPER'S PROPERTY
- STABILIZED CONSTRUCTION SETBACK

**PROJECT DATA**  
 SHEET 1: PLAN VIEW  
 SHEET 2: NOTES AND DETAILS

**DATE OF PREPARATION: 06/08/2018**



- GENERAL NOTES**
1. ADDRESS: 7016 DEER VALLEY ROAD, HOWARD CO. MD. LOT 17
  2. LOT SIZE: 33.00 AC. (22,720 SQ. FT.)
  3. THE SUBJECT PROPERTY IS ZONED R-10 PER THE OCTOBER 8, 2013 COMPREHENSIVE ZONING REGULATIONS.
  4. TOPOGRAPHIC DATA: BROWN REVISION 8/18/04 BY: C/PJ FROM P.A. 8 PLAT 34 CHARLES P. JOHNSON & ASSOCIATES, INC. AUGUST 18, 2014
  5. TOPIC: RESIDENTIAL DEVELOPMENT
  6. NO TITLE REPORT WAS FURNISHED FOR THIS PLAN.
  7. NO EXISTING OR BURIED SERVICES WERE SHOWN.
  8. NO HISTORIC STRUCTURES WERE SHOWN.
  9. EXISTING UTILITY EASEMENTS: SHOW FROM P.A. 8 PLAT 34
  10. NO WETLANDS WERE SHOWN.
  11. THERE ARE NO POTENTIAL CONSERVATION EASEMENTS ON-LOT.
  12. NO SCHOOL ZONES ARE ADJACENT TO THIS SITE.
  13. SEE ANALYSIS DATA
  14. LOCATION: TAX MAP 40 - PARCEL: 235 - GRID 3
  15. ELECTION DISTRICT: 03
  16. ZONING: R-10
  17. TOTAL GRADEABLE AREA (LOT 17): 60,333 SQ. FT. / 1.2778 AC.
  18. DRIVEWAYS SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO ENSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES FOR THE FOLLOWING MINIMUM REQUIREMENTS:
    - WIDTH: 12 FEET (14 FEET BEYOND MORE THAN ONE RESIDENCE)
    - SURFACE: 3 INCHES OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COURSE FINISH
    - DENSITY: MAX 1% GRADE, MAX 1% GRADE CHANGE AND MIN. 48 FOOT TURNING RADIUS
    - DRAINAGE ELEMENTS - CHANNEL OF SAFELY PASSING 100 YEAR FLOOD PLAN WITH NO MORE THAN 1 FOOT OF DEPTH OVER ANY SURFACE
    - STRUCTURAL ELEMENTS (BRIDGES) - CAPABLE OF SUPPORTING 25 GRADES TOWNSHIP LOADINGS
    - STRUCTURE CLEARANCES - MINIMUM 13 FEET
    - MAINTENANCE - SUFFICIENT TO ENSURE ALL WEATHER USE
  19. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
  20. ANY DAMAGE TO THE COUNTY'S HIGHWAYS SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
  21. THERE IS A TREE LOCATED OFF-SITE, THE ASSOCIATED BUFFER ZONE EXTENDS ON TO THE PROPERTY AS SHOWN.
  22. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION DIVISION AT (410) 313-1886 AT LEAST 72 HOURS WORKING DAYS PRIOR TO THE START OF WORK.
  23. EROSION CONTROL FACILITIES OWNED AND MAINTAINED BY THE PROPERTY OWNER.

**DEVELOPER'S CERTIFICATE**

I HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT FOR RESIDENTIAL AND EROSION CONTROL, AND THAT ANY REQUIREMENTS FOR PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT THE DEPARTMENT OF THE ENVIRONMENT AND GENERAL SERVICES TRAINING PROGRAM FOR THE CONTROL OF EROSION AND EROSION CONTROL MEASURES FOR THE PROJECT. I AGREE TO ACCEPT THE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD CO. CONSERVATION DISTRICT.

DEVELOPER/ BUILDER: \_\_\_\_\_ DATE: \_\_\_\_\_

**ENGINEER'S CERTIFICATION**

I HEREBY CERTIFY THAT THIS PLAN FOR RESIDENTIAL AND EROSION CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD CO. CONSERVATION DISTRICT AND THE 2014 MARYLAND STANDARDS & SPECIFICATIONS FOR SOIL EROSION AND EROSION CONTROL.

LICENSE NUMBER: 32490  
 EXPIRATION DATE: 6-08-18

FORWARD SOIL CONSERVATION DISTRICT DATE: \_\_\_\_\_



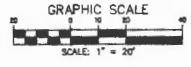
**FLOT PLAN & SEDIMENT CONTROL PLAN**  
 7016 DEER VALLEY ROAD - LOT 17  
 SINGLE FAMILY RESIDENTIAL  
 TAX MAP 40 - GRID-03 - PARCEL: 235 - PLAT BOOK 9,P.54  
**CISSEL FARM - SECTION 3**  
 CLARKSVILLE (5th) ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

**CPJ Associates**  
 Charles P. Johnson & Associates, Inc.  
 Civil and Environmental Engineers • Planners • Landscape Architects • Surveyors

1738 Eldon Rd., Box 300 Silver Spring, MD 20903 301-434-7000 Fax: 301-434-4294  
 10000 Greenleaf Rd., Gaithersburg, MD 20878 301-770-0000 Fax: 301-770-0001

CUSTOMER: MR. CHARLES P. JOHNSON AND ASSOCIATES, INC. 240-266-0258  
 TAX MAP/GRID: 40-03  
 SHEET NO.: 1 OF 2  
 DRAWN BY: JPH  
 DATE: JUL 2018  
 SCALE: AS NOTED  
 FILE NO.: 208-046-2

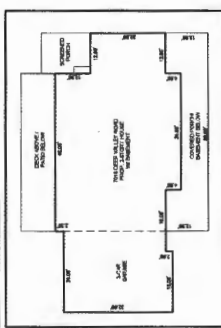
- SEQUENCE OF CONSTRUCTION**
1. OF EROSION CONTROL MEASURES, ME PERMITS, APPROVALS AND LICENSES FROM APPROPRIATE AGENCIES.
  2. NOTIFY EROSION CONTROL INSPECTOR AT LEAST THREE (3) WORKING DAYS PRIOR TO STARTING WORK.
  3. INSTALL STABILIZED CONSTRUCTION SETBACK, SET FENCE AND OTHER EROSION CONTROL DEVICES AS SHOWN ON THE SEDIMENT CONTROL PLAN.
  4. STABILIZE ALL THE GRADED AREAS UP TO 20' BY OUTSIDE OF THE LIMIT OF GRADING AS PER PERMANENT SEDIMENT NOTES.
  5. EQUIVALENT HOUSE FOUNDATION, HOUSE CONSTRUCTION, UTILITIES AND RETAIL SEPTIC.
  6. ANY AREAS THAT CAN BE TEMPORARILY STABILIZED DURING CONSTRUCTION MUST BE TEMPORARILY STABILIZED PER SEDIMENT NOTES.
  7. INSTALL DRIVEWAY.
  8. STABILIZED DISTURBED AREAS PER PERMANENT SEDIMENT NOTES.
  9. UPON APPROVAL OF EROSION CONTROL INSPECTOR REMOVE ALL TEMPORARY EROSION CONTROL DEVICES FOR HOUSE CONSTRUCTION.
  10. NOTIFY INSPECTOR FOR FINAL INSPECTION.



**GENERAL NOTES**

1. ADDRESS: 7016 DEER VALLEY ROAD, HOWARD MD, LOT 17
2. THIS PLAN IS THE PROPERTY OF CHARLES P. JOHNSON & ASSOCIATES, INC. (CPJ) AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF CPJ.
3. THIS PLAN IS BASED ON A FIELD SURVEY CONDUCTED BY CPJ ON OCTOBER 4, 2013.
4. CHARLES P. JOHNSON & ASSOCIATES, INC. IS NOT RESPONSIBLE FOR ANY ERRORS OR OMISSIONS IN THIS PLAN THAT MAY BE CAUSED BY INADEQUATE OR INACCURATE DATA.
5. NO TITLE REPORT WAS FURNISHED FOR THIS PLAN.
6. NO METRIC STRUCTURES EXIST ON SITE.
7. ALL METRIC DIMENSIONS ARE IN METERS.
8. ALL METRIC DIMENSIONS ARE TO THE CENTER OF THE LINE UNLESS OTHERWISE NOTED.
9. ALL METRIC DIMENSIONS ARE TO THE CENTER OF THE LINE UNLESS OTHERWISE NOTED.
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**HOUSE TEMPLATE**



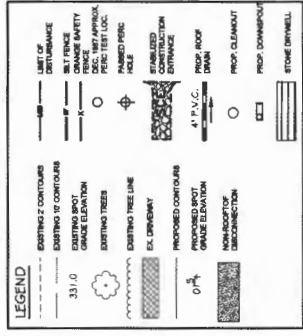
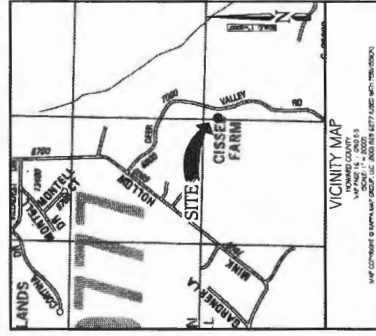
IMPERVIOUS AREA	
HOUSE AND DRIVE	3,240 sq ft
DRIVEWAY	2,427 sq ft
POOL DECK, NO. 7100	1,234 sq ft
<b>TOTAL</b>	<b>7,001 sq ft</b>

ADDRESS CHART	
LOT NUMBER	7016 DEER VALLEY ROAD
STREET ADDRESS	7016 DEER VALLEY ROAD

NOTE: LESS THAN 100 SQ. FT. OF FOREST BEING REMOVED

AREA OF DISTURBANCE: 3,875 SQ. FT.



**DEVELOPERS CERTIFICATE**

I, THE DEVELOPER, HEREBY CERTIFY THAT THIS PLAN FOR ENHANCED EROSION CONTROL AND SEDIMENT CONTROL IS THE PROPERTY OF THE DEVELOPER AND THAT THE DEVELOPER HAS OBTAINED ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND THAT THE DEVELOPER IS NOT PROVIDING ANY GUARANTEE OF ACCURACY OR PERFORMANCE FOR THE CONTROL OF EROSION AND SEDIMENTATION. THE DEVELOPER'S OBLIGATION IS LIMITED TO THE OBTAINING OF NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

DEVELOPER: **Charles P. Johnson & Associates, Inc.**

DATE: \_\_\_\_\_

**ENGINEERS CERTIFICATION**

I, THE ENGINEER, HEREBY CERTIFY THAT THIS PLAN FOR ENHANCED EROSION CONTROL AND SEDIMENT CONTROL IS THE PROPERTY OF THE DEVELOPER AND THAT THE ENGINEER HAS OBTAINED ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND THAT THE ENGINEER IS NOT PROVIDING ANY GUARANTEE OF ACCURACY OR PERFORMANCE FOR THE CONTROL OF EROSION AND SEDIMENTATION. THE ENGINEER'S OBLIGATION IS LIMITED TO THE OBTAINING OF NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

ENGINEER: **Charles P. Johnson & Associates, Inc.**

DATE: \_\_\_\_\_

**FLAT PLAN & SEDIMENT CONTROL PLAN**  
**7016 DEER VALLEY ROAD - LOT 17**  
**SINGLE FAMILY RESIDENTIAL**  
**TAX MAP-40 GRID-03 PARCEL-235 PLAT BOOK 9.P.54**  
**CISSEL FARM-SECTION 3**  
**CLARKSVILLE (5th) ELECTION DISTRICT**  
**HOWARD COUNTY, MARYLAND**

**CPJ Charles P. Johnson & Associates, Inc.**  
 Civil and Environmental Engineers • Home • Landscape Architects • Surveyors  
 7016 Deer Valley Road, 2nd Floor, Silver Spring, MD 20910 Tel: 410.200.7016 Fax: 410.200.7017  
 www.charlesjohnson.com

DATE: \_\_\_\_\_

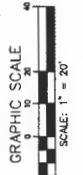
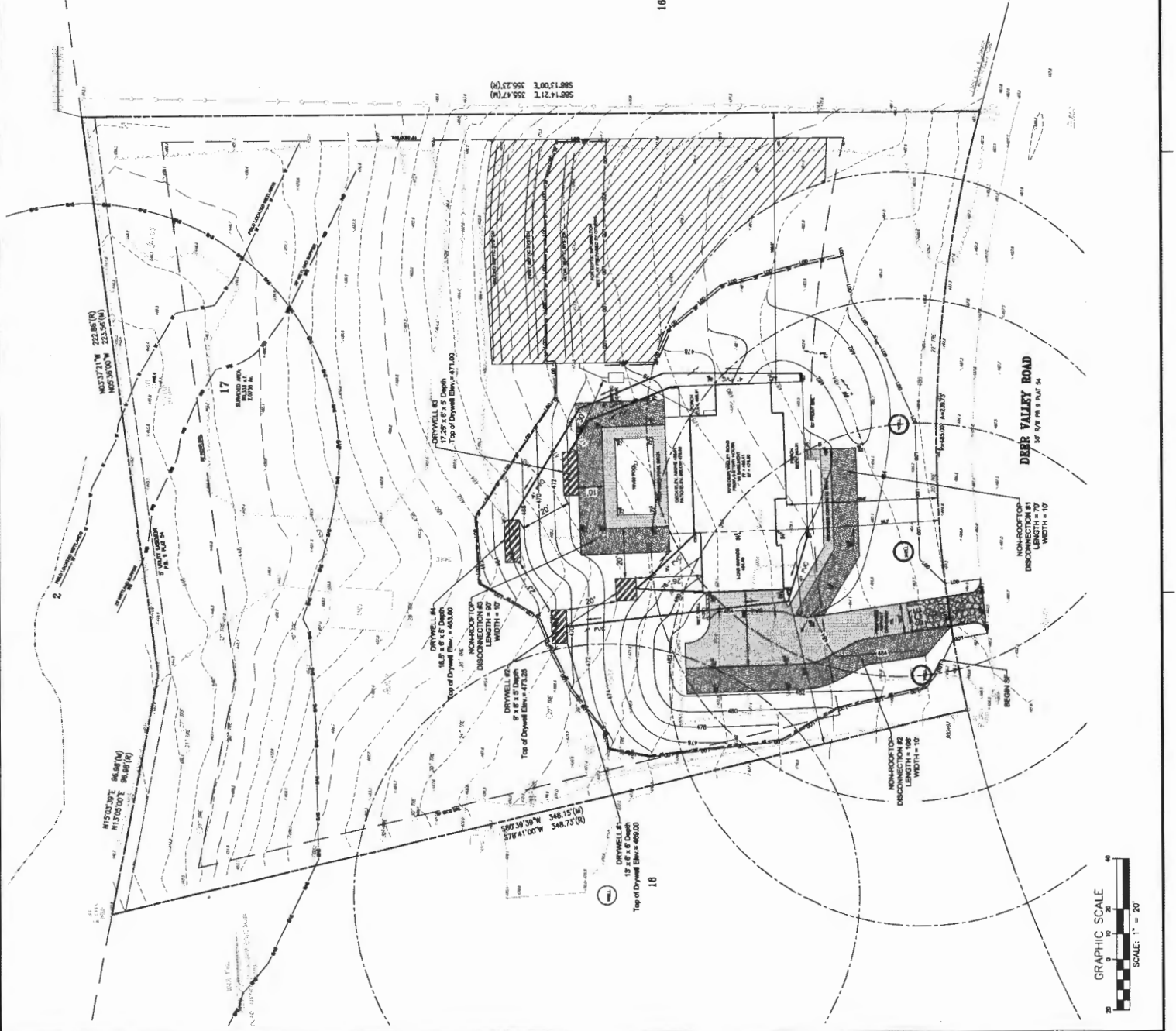
EXPIRES: \_\_\_\_\_

THIS PLAN IS THE PROPERTY OF THE DEVELOPER AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF CPJ.

SHEET INDEX	
SHEET 1: PLAN VIEW	1
SHEET 2: NOTES AND DETAILS	2

PROJECT INFORMATION	
PROJECT NO.	2013-001
DATE	JULY 2013
SCALE	AS SHOWN
FILE NO.	2013-001-01



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

**INTERIM CERTIFICATE OF POTABILITY**

**Expiration Date – MAY 19, 2019**

November 19, 2019

Homeowner  
7016 Deer Valley Road  
Highland, MD 20777

**RE: Cissel Farm Estates, Lot 17**  
**7016 Deer Valley Road**  
**Building Permit: B19001829**  
**Well Permit: HO-18-0064**

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 **10/11/2019**. Final approval of the well line connection to the dwelling was granted on **8/20/2019**. The well construction was completed on **5/16/2019**. Water samples were collected on **11/6/2019, 11/14/2019**.

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. 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-18-0064. 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>

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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 Environment 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

# 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 #: 133911 Account #: 1930  
Reference: Fogle's Well Drilling Company: Fogle's Well Drilling  
Location: 7016 Deer Valley Road Requested By: Theresa Miller  
Highland, MD 20777 Source: Well Water  
Date/ Time Collected: 11/6/2019 0919 Site: Pressure Tank  
Date/Time Rec'd: 11/6/2019 1157 Treatment: None  
Chlorine ppm: Free: ND Total: ND pH: 7.3  
Collected By: J. Fogle 1974JF Well #: HO-18-0064

PARAMETER	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/PERM
Bacteria, Coliform, Total, MPN	2.0	MPN/ 100 ml	<1.0	SM20 9223B	11/7/2019 / 0800 / CRS
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	11/7/2019 / 0800 / CRS
Nitrate	<1.0	mg/L	10	601	11/7/2019 / 0920 / CRS
Turbidity	3.79	NTU	<10	SM20 2130B	11/7/2019 / 0940 / CRS
Sand	NS	mg/L	5	Visual/Gravimetric	11/7/2019 / 0940 / CRS

### 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; N/A: Not Available
- 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 # : B19001829

Date Reported: 11/7/2019

# 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 #:	134103	Account #:	1930
Reference:	Fogle's Well Drilling	Company:	Fogle's Well Drilling
Location:	7016 Deer Valley Road Highland, MD 20777	Requested By:	Theresa Miller
Date/ Time Collected:	11/14/2019 1455	Source:	Well Water
Date/Time Rec'd:	11/14/2019 1610	Site:	Kitchen Sink Tap
Chlorine ppm:	Free: ND Total: ND	Treatment:	None
Collected By:	J. Fogle 1974JF	pH:	8.2
		Well #:	HO-18-0064

TEST	RESULTS	UNITS	REFERENCE	METHOD	DATE
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	11/15/2019 / 1030 / RER
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	11/15/2019 / 1030 / 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 # : B19001829

Date Reported: 11/15/2019