

C1 6952

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

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

COUNTY NUMBER A 516 902

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO - 95 - 1043

OWNER Highland Development Corporation
STREET OR RFD Hidden Creek Way TOWN Mt. Airy 21771
SUBDIVISION Windsor Forest Knolls SECTION LOT 16

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, FEET (FROM, TO), check if water bearing. Includes entries for Brown Shale and Blue Rock.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y/N)
TYPE OF GROUTING MATERIAL (Cement, Bentonite Clay)
NO. OF BAGS, NO. OF POUNDS, GALLONS OF WATER, DEPTH OF GROUT SEAL

CASING RECORD

MAIN CASING TYPE (ST, CO, PL, OT)
Nominal diameter top (main) casing, Total depth of main casing

OTHER CASING (if used)

PL 4 20 400
diameter inch, depth (feet)

SCREEN RECORD

screen type or open hole (ST, BR, HO, PL, OT)
insert appropriate code below

DEPTH (nearest ft.)

Table with columns: 1-2, 3-4, 5-6, 7-8, 9-10, 11-12, 13-14, 15-16, 17-18, 19-20, 21-22. Includes slot size and diameter of screen.

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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)

TELESCOPE CASING, LOG INDICATOR, OTHER DATA

C 3

PUMPING TEST

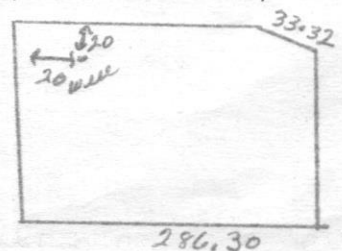
HOURS PUMPED (nearest hour) 6
PUMPING RATE (gal. per min.) 2
METHOD USED TO MEASURE PUMPING RATE Bucket
WATER LEVEL (distance from land surface) BEFORE PUMPING 40, WHEN PUMPING 336
TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP (CIRCLE) (YES or NO) YES NO
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 1 (nearest foot)

LOCATION OF WELL ON LOT

SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND /OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)



NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED YES Y NO 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 S D O 24
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 1 M S D O 27

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

B 1 1083

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL 526278 please type

STATE PERMIT NUMBER

140-95-1043 fill in this form completely

Date Received (APA) 3/13/07

OWNER INFORMATION

Highland Development Corp P.O. Box 228 Clarksville Md 21029

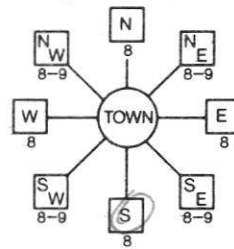
LOCATION OF WELL

Howard Windsor Forest Knolls Mt Airy 5 miles from town

DRILLER INFORMATION

Joseph L. Mayne M SD 024 Joseph L Mayne Well Drilling 5512 Ridge Rd Mt. Airy Md 21771

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Hidden Creek Way

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



350 DISTANCE FROM ROAD ENTER FT OR MI

TAX MAP: 6 BLK: 16 PARCEL 57

WELL INFORMATION APPROX. PUMPING RATE 5 AVERAGE DAILY QUANTITY NEEDED 500

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION (circled) FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) INDUSTRIAL, COMMERCIAL, DEWATERING PUBLIC WATER SUPPLY WELL TEST, OBSERVATION, MONITORING GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard 13 A 516 902 COUNTY NAME COUNTY NO. STATE SIGNATURE INSERT S DATE ISSUED 4/2/07 CO SIGNATURE EXP. DATE 4/2/08

APPROXIMATE DEPTH OF WELL 300 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) AIR-ROTary JETTED AIR-PERcussion Jetted & DRIVEN ROTARY (Hydraulic Rotary) CABLE REVerse-ROTary DRive-POINT

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- THIS WELL WILL NOT REPLACE AN EXISTING WELL (circled) THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED 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)

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROP. PERMIT NUMBER G

PERMIT No. 140-95-1043

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

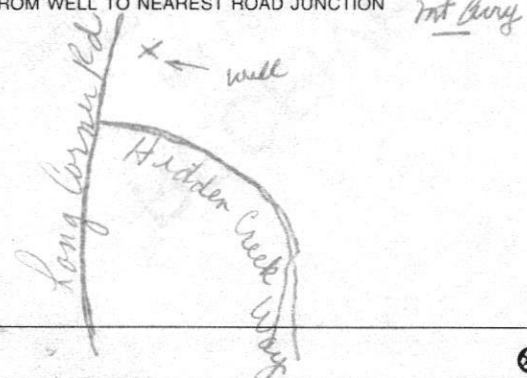
- well (circled) 2. 3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 7506 N 5406

000 000

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION



SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 95-1043
 Location of property (road) Hidden Creek Way
 Subdivision Windom Forest Knolls Lot 16 Block _____ Plat _____ Sec. _____
 Well Driller Joseph L Mayne Owner Highland Development Corporation
 Depth of well 400'
 Distance of measuring point (M.P.) above ground 1'
 Static water level (S.W.L.) below M.P. 40'

I. High rate pumping -- reservoir drawdown

Time pump started 6:30 Pumping rate 20 gpm
 Total time 30 min to reach pumping water level 336 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 <u>81</u> gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
6:45	190'	3 sec		20 gpm
7:00	336	3		20
7:15	333	30		2
7:30	333	30		2
7:45	333	30		2
8:00	332	30		2
8:15	331	30		2
8:30	331	30		2
8:45	331	30		2
9:00	331	30		2
9:15	330	30		2
9:30	330	30		2
9:45	330	30		2
10:00	330	30		2
10:15	330	30		2
10:30	330	30		2
10:45	330	30		2
11:00	330	30		2
11:15	330	30		2
11:30	330	30		2
11:45	330	30		2
12:00	330	30		2
12:15	330	30		2
12:30	330	30		2
12:45	330	30		2
1:00	330	30		2

**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: Barlow Well Drilling Telephone #: 410-838-6910
Address: 522 UNDERWOOD LANE
BEL AIR, MD 21014

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:
Name (Print): Michael Isom License# MSD162

***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: Keystone Homes Telephone #: 301-737-0434
Subdivision: WINDSOR FOREST KNOLL Lot #: 16 Well Tag #: HO 95-1043
Site Address: 18415 HIDDEN CREEK ROAD
MT AIRY MD 21771

<u>Submersible Pump Data</u>	<u>Pitless Adapter</u>	<u>Well Cap and Electric Conduit</u>
Make: <u>Stark</u>	Make: <u>B11</u>	Two piece watertight cap: <u>—</u>
Model #: <u>7SP04D02 1hp</u>	Model#: <u>P100</u>	Screened, vented well cap: <u>—</u>
Pump Capacity <u>7</u> GPM	Depth: <u>42</u> (36" min)	Cap secured to casing: <u>—</u>
Well Yield: <u>2.0</u> GPM	NSF/WSC approved: <u>—</u>	Conduit min 18" B.G.: <u>—</u>

Depth of well encountered at time of pump installation: _____ (feet) Conduit secured to well cap: —

If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4

Torque arrestors, 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

Piping to house

Type: P211
PSI: 200 (160 psi min)
Depth of supply line: 42 (36" min)

House Connection

PVC sleeve to undisturbed soil at wall penetration: —
Length of sleeve(5' minimum from foundation): 6'
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

date

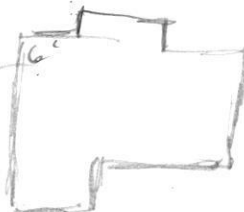
10/18/2021

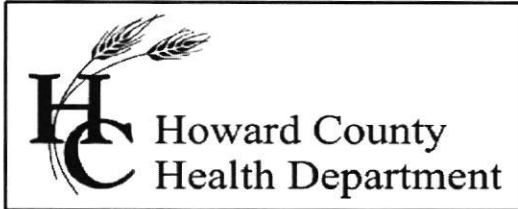
For Health Department Use Only – Not to be completed by Installer

Date Insp. Requested: 10/20/2021 Date Insp. Approved: 10/20/2021 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 ✓

40" 10/20/2021 [Signature]
30" 10/20/2021 [Signature]
8" 10/20/2021 [Signature]





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](https://twitter.com/HowardCoHealthDep)

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

INTERIM CERTIFICATE OF POTABILITY

Expiration Date – June 16, 2022

December 16, 2021

Homeowner
18415 Hidden Creek Way
Mount Airy, MD 21771

**RE: Windsor Forest Knolls, Lot16
18415 Hidden Creek Way
Building Permit: B21001210
Well Permit: HO-95-1043**

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 **12/14/2021**. Final approval of the well line connection to the dwelling was granted on **10/20/2021**. The well construction was completed on **4/20/2007**. Water samples were collected on **11/30/2021, 12/3/2021**.

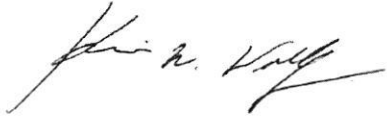
The water sample results indicate that the water samples submitted for testing were free of coliform and fecal coliform bacteria at the time of sampling and are bacteriologically safe for drinking. This certifies that the initial sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under well permit HO-95-1043. 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:

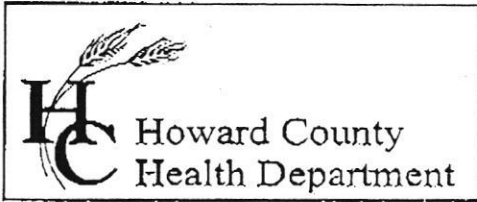
<http://www.mde.state.md.us/assets/document/WSP-Labs-2010apr16.pdf>

Approving Authority,

A handwritten signature in black ink, appearing to read "Kevin M. Wolf". The signature is fluid and cursive, with a long horizontal stroke at the end.

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



7178 Columbia Gateway Drive, Columbia, MD 21046
 (410) 313-2640 Fax (410) 313-2648
 TDD (410) 313-2323 Toll Free 1-866-313-6300
 website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., 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:

<u>Windsor Forest Knolls</u>	<u>Hidden Creek Way</u>
Subdivision/Property Name	Road Name
<u>18 Lots</u>	

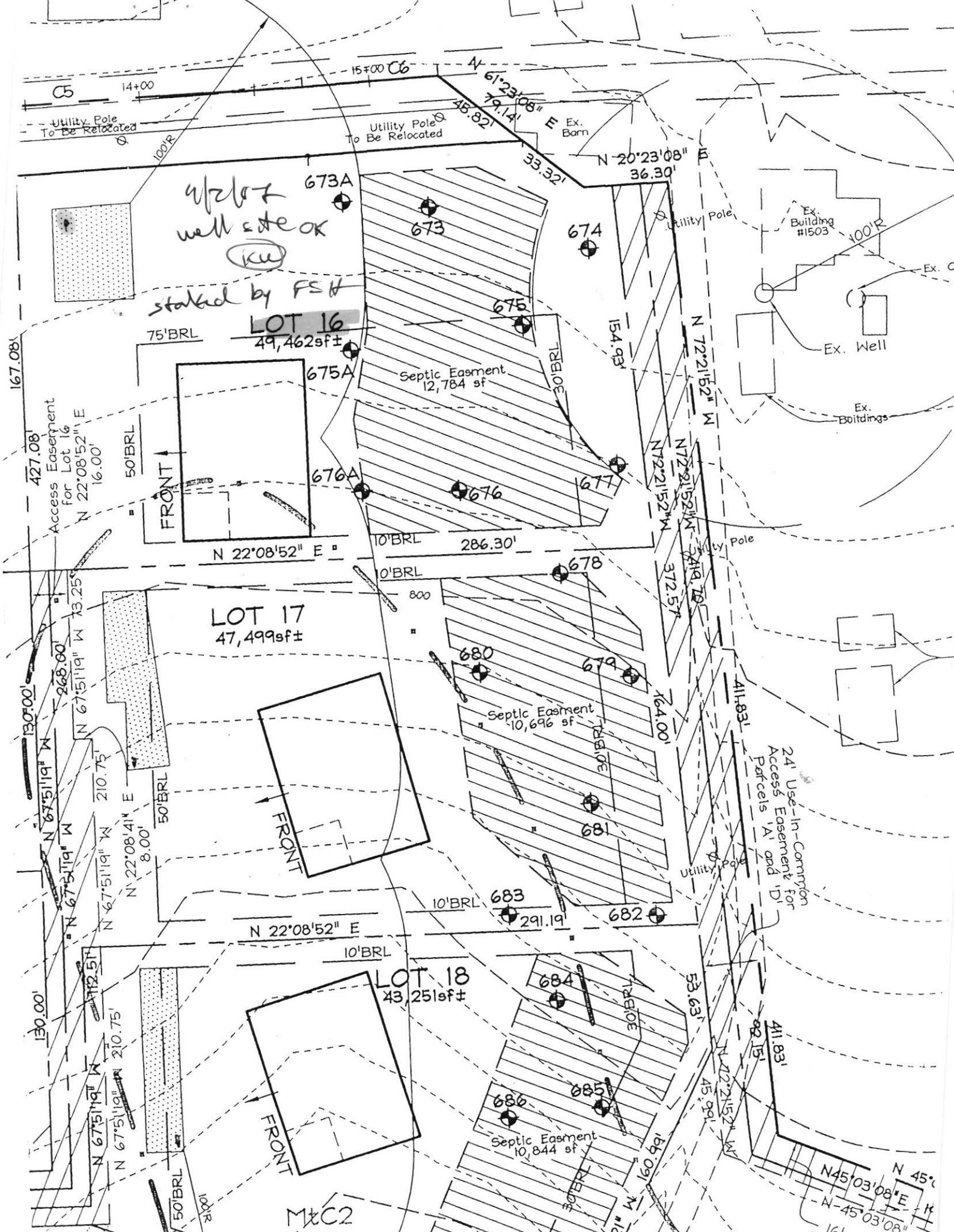
The well site has been staked by FSH Associates
 (professional land surveyor or company employing professional land surveyors)

Wilham 3-15-2007 (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.

Revised 3/11/05



1/2 lot well site OK
(ku)

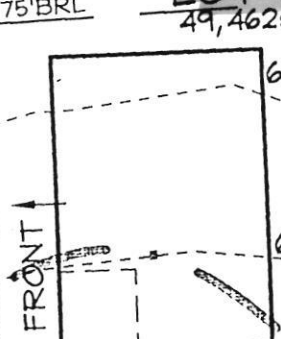
staked by FS#

LOT 16
49,462sf±

LOT 17
47,499sf±

LOT 18
43,251sf±

M&C2



Septic Easment
12,784 sf

Septic Easment
10,696 sf

Septic Easment
10,844 sf

24' Use-In-Corridor
Access Easement for
Parcels 'A' and 'D'

FRONT

FRONT

FRONT

Utility Pole
To Be Relocated

Utility Pole
To Be Relocated

Utility Pole

Utility Pole

Utility Pole

Ex. Building #1503

Ex. Well

Ex. Buildings

Ex. C.O.

N 45° 03' 08" E
N 45° 03' 08" E
16' Access Easement

14+00

15+00 C6

G5

100'R

100'R

75' BRL

50' BRL

16.00'

427.08'

Access Easement for Lot 16

N 22° 08' 52" E

50' BRL

130' 00'

N 67° 51' 19" W

268.00'

N 67° 51' 19" W

13.25'

N 67° 51' 19" W

210.75'

N 22° 08' 41" E

8.00'

N 67° 51' 19" W

50' BRL

100'R

N 67° 51' 19" W

210.75'

N 67° 51' 19" W

50' BRL

100'R

N 67° 51' 19" W

50' BRL

100'R

N 67° 51' 19" W

50' BRL

100'R

N 67° 51' 19" W

50' BRL

100'R

N 22° 08' 52" E

10' BRL

286.30'

10' BRL

800

N 22° 08' 52" E

10' BRL

291.19'

N 22° 08' 52" E

10' BRL

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N 22° 08' 52" E

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291.19'

N 22° 08' 52" E

10' BRL

291.19'

N 22° 08' 52" E

10' BRL

61° 23' 08" E

79.14'

45.82'

33.32'

Ex. Barn

N 20° 23' 08" E

36.30'

154.93'

30' BRL

154.93'

N 72° 21' 52" W

372.57'

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33.32'

36.30'

154.93'

30' BRL

154.93'

N 72° 21' 52" W

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N 72° 21' 52" W

372.57'

Utility Pole

Utility Pole

Utility Pole

Ex. Building #1503

Ex. Well

Ex. Buildings

24' Use-In-Corridor Access Easement for Parcels 'A' and 'D'

16' Access Easement

N 45° 03' 08" E
N 45° 03' 08" E
16' Access Easement

ENVIRO-CHEM LABORATORIES, INC.



47 Loveton Circle, Suite K • Sparks, Maryland 21152

410-472-1112

FINAL REPORT OF ANALYSIS

Michael Barlow Well Drilling
522 Underwood Lane
Bel Air, MD 21014

Report Date: 12/03/2021
Report Number: 211203143201
Use and Occupancy
PERMIT #:

LAB#- E069046-01 SAMPLE ID- 18415 Hidden Creek Way WELL #
LOCATION- Pressure Tank SAMPLER- 1291SB
DATE SAMPLED- 11/30/2021 TIME SAMPLED- 17:00 CHLORINE- Non detect
DATE RECEIVED- 12/01/2021 TIME RECEIVED- 15:50
DELIVERED BY- Mike Isom RECEIVED BY- Ginny Shelley
COMMENTS-

COMMENTS-

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT	DATA FLAG
Microbiology by Enviro-Chem					
Total Coliform	SM 9223B	12/01/21 16:20	VPS	< 1.0 MPN/100 mL	PASS
E. Coli	SM 9223B	12/01/21 16:20	VPS	< 1.0 MPN/100 mL	PASS

Based on coliform bacteriological standards, at the time of sampling this water was **SAFE** for drinking water purposes.

Wet Chemistry by Enviro-Chem

Nitrate (as N)	EPA 300.0	12/01/21 18:58	SES	5.44 mg/L	PASS
pH	SM4500-H+B	12/01/21 16:08	FRD	6.0 SU	
Turbidity	EPA 180.1	12/01/21 16:08	FRD	4.2 NTU	

Stephen Shelley
Laboratory Director

Certifications

State of Maryland Laboratory

#192

ENVIRO-CHEM LABORATORIES, INC.



47 Loveton Circle, Suite K • Sparks, Maryland 21152

410-472-1112

FINAL REPORT OF ANALYSIS

Michael Barlow Well Drilling
522 Underwood Lane
Bel Air, MD 21014

Report Date: 12/08/2021
Report Number: 211208163342
Use and Occupancy
PERMIT #:

LAB#- E069087-01 SAMPLE ID- 18415 Hidden Creek Way WELL #
LOCATION- Pressure Tank SAMPLER- M Isom #1113MI
DATE SAMPLED- 12/03/2021 TIME SAMPLED- 12:20 CHLORINE- Non detect
DATE RECEIVED- 12/03/2021 TIME RECEIVED- 16:00
DELIVERED BY- Mike Isom RECEIVED BY- Ginny Shelley
COMMENTS-

COMMENTS-

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT	DATA FLAG
Wet Chemistry by Enviro-Chem					
Sand	EPA 160.5	12/03/21 16:15	VPS	< 0.5 ml/L/Hr	

Stephen Shelley
Laboratory Director

Certifications

State of Maryland Laboratory #192