

C16604

SEQUENCE NO.
(DENV USE ONLY)

STATE OF MARYLAND
WELL COMPLETION REPORT
FILL IN THIS FORM COMPLETELY
PLEASE PRINT OR TYPE

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

COUNTY
NUMBERA522987

ST/CO USE ONLY
DATE Received
071311

DATE WELL COMPLETED
070811

Depth of Well
2214526
(TO NEAREST FOOT)

PERMIT NO.
FROM "PERMIT TO DRILL WELL"
40-95-2085

OWNERHeritage Realty & Land Development

STREET OR RFDlast namePO BOX 480first nameTOWNLisbon MD

SUBDIVISIONMeriwether FarmSECTION2PRLLOT7

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 | |
| Top Soil | 0 | 2 | |
| Sandy | 2 | 6 | |
| MICKA | 6 | 22 | |
| Sand Stone | 22 | 25 | ✓ |
| MICKA | 25 | 90 | |
| Sand Stone | 90 | 95 | ✓ |
| MICKA | 95 | 145 | |

GROUTING RECORD

WELL HAS BEEN GROUTED
(Circle Appropriate Box)
TYPE OF GROUTING MATERIAL

CEMENTCMBENTONITE CLAYBC

NO. OF BAGS45467NO. OF POUNDS4546700

GALLONS OF WATER

DEPTH OF GROUT SEAL (to nearest foot)

from048TOP52ft. to2054BOTTOM58ft.

(enter 0 if from surface)

CASING RECORD

casing
types
insert
appropriate
code
below

STCO
STEELCONCRETE
PLOT
PLASTICOTHER

MAIN
CASING
TYPE

Nominal diameter
top (main) casing
(nearest inch)

Total depth
of main casing
(nearest foot)

PL622

60616364666770

OTHER CASING (if used)

diameter
inch

depth (feet)
fromto

EACH
CASING

screen type
or open hole

insert
appropriate
code
below

STBRHO
STEELBRASSOPEN
BRONZEHOLE
PLASTICOTHER

C3

PUMPING TEST

HOURS PUMPED (nearest hour)3

PUMPING RATE (gal. per min.
to nearest gal.)10

METHOD USED TO
MEASURE PUMPING RATEBucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING24

WHEN PUMPING26

TYPE OF PUMP USED (for test)

AairPpistonTturbine

CcentrifugalRrotaryOother
(describe
below)

JjetSsubmersible

IN HARD ROCK AREAS, IDENTIFY SPECIFICALLY
WHERE SATURATED FRACTURES WERE OBSERVED.

WELL HYDROFRACTUREDyesno
YN

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 PRE-
SENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF
MY KNOWLEDGE.

DRILLERS IDENT. NO. MSO 117

DRILLERS SIGNATURE
(MUST MATCH SIGNATURE ON APPLICATION)

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

C2

DEPTH (nearest ft.)

14020145

8911151721

EACH
SCREEN

232426303236

383941454751

SLOT SIZE 123

DIAMETER
OF SCREEN

(NEAREST
INCH)

5660

fromto

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.)WQ

7072747576

TELESCOPE
CASING

LOG
INDICATOR

OTHER DATA

PUMP INSTALLED

DRILLER WILL INSTALL PUMP YESNO

(CIRCLE) (YES or NO)

IF DRILLER INSTALLS PUMP, THIS SECTION
MUST BE COMPLETED FOR ALL WELLS
EXCEPT HOME USE

TYPE OF PUMP INSTALLED

PLACE (A,C,J,P,R,S,T,O)

IN BOX - SEE ABOVE:

CAPACITY:

GALLONS PER MINUTE

(to nearest gallon)

PUMP HORSE POWER

PUMP COLUMN LENGTH

(nearest ft.)

CASING HEIGHT (circle appropriate box
and enter casing height)

+above- below

LAND SURFACE

(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)

Prop Line 40' well 35' Prop Line

| | | | | |
|--|-------------|--------------------------------|--|--|
| B 1 | 0894 | SEQUENCE NO. (MDE USE ONLY) | STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL 534536 please type | STATE PERMIT NUMBER HO-95-2085 fill in this form completely |
| Date Received (APA) 03 30 11 | | OWNER INFORMATION | | |
| 8 MM DD YY 13 | | Heritage Realty & Land Develop | | |
| 15 Last Name | | Owner | | 34 First Name |
| 36 PO BOX 482 | | Street or RFD | | 55 MD. 21765 |
| 57 Lisbon | | Town | | 76 Zip |
| DRILLER INFORMATION | | | | |
| RAGH E. MAYNE | | M SD 11/2 | | |
| Driller's Name | | 76 License No. | | 81 |
| RAGH E. MAYNE INC | | | | |
| Firm Name | | | | |
| 17024 Hardy Rd. Mt. Airy MD. 21771 | | | | |
| Address | | | | |
| Signature Date 3/28/11 | | | | |
| WELL INFORMATION | | | | |
| B 2 | | APPROX. PUMPING RATE | | |
| 1 2 | | 5 | | |
| | | (GAL. PER MIN.) 8 12 | | |
| AVERAGE DAILY QUANTITY NEEDED | | 500 | | |
| (GAL. PER DAY) | | 14 20 | | |
| USE FOR WATER (CIRCLE APPROPRIATE BOX) | | | | |
| <input checked="" type="checkbox"/> DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION | | | | |
| <input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) | | | | |
| 22 <input type="checkbox"/> INDUSTRIAL, COMMERCIAL, DEWATERING | | | | |
| <input type="checkbox"/> PUBLIC WATER SUPPLY WELL | | | | |
| <input type="checkbox"/> TEST, OBSERVATION, MONITORING | | | | |
| <input type="checkbox"/> GEO-THERMAL | | | | |
| APPROXIMATE DEPTH OF WELL 150 FEET | | | | |
| APPROXIMATE DIAMETER OF WELL 6" NEAREST INCH | | | | |
| METHOD OF DRILLING (circle one) | | | | |
| BORED (or Augered) JETTED Jetted & DRIVEN | | | | |
| 30 AIR-ROTARY AIR-PERCussion 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 | | | | |
| 39 <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) | | | | |
| APPROX. PERMIT NUMBER H02008G_010 | | | | |
| PERMIT No. H0-95-2085 | | | | |
| 70 71 72 73 74 75 76 77 78 79 | | | | |
| SPECIAL CONDITIONS Well within 100' Must Be Simultaneously Yield Tested | | | | |

LOCATION OF WELL

Howard

8 COUNTY 21

meni weather farm

23 SUBDIVISION 42

SECTION 2nd LOT 7

44 46 48 50

GLENELG

52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) 2 M 1

73 76 77 78

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

Victory Lane

11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

50 37

DISTANCE FROM ROAD ENTER FT OR MI 38 39

TAX MAP: 21 BLK: 16 PARCEL 28

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard (13) A522987

COUNTY NAME COUNTY NO.

STATE SIGNATURE INSERT S 41

DATE ISSUED 4/6/2011 Brian Baker 4/6/2012

43 MM DD YY 48 CO SIGNATURE EXP. DATE

NORTH GRID 519 000 EAST GRID 790 000

50 55 57 63

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

1 well

2.

3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 790

N 519

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

Victory Lane 30' well

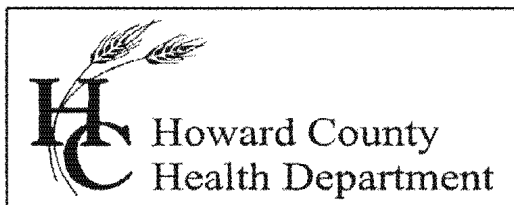
Roxbury Rd

Well Permit No. HO - 95-2085
Location of property (road) Victory Lane
Subdivision Meriwether Farm Lot 7 Block Plat Sec. 2 P&H
Well Driller Ralph Mayne Owner Heritage Realty & Land Develop

Depth of well 145^m
Distance of measuring point (M.P.) above ground 2^m
Static water level (S.W.L.) below M.P. 24^m

Time pump started 9:00 Pumping rate 10 GPM
Total time 15 min to reach pumping water level 26 ft. below M.P.

[illegible]



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

Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

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

INTERIM CERTIFICATE OF POTABILITY

Expiration Date – JANUARY 30, 2016

July 30, 2015

Homeowner
14926 Victory Lane
Glenelg, MD 21737

**RE: Meriwether Farm, Lot 7
14926 Victory Lane
Building Permit: B14004397
Well Permit: HO-95-2085**

Dear Homeowner:

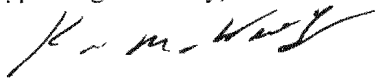
This is to advise you that the septic system installation and water well construction for the above referenced property have been inspected and approved. Final approval of the septic system was granted on **7/21/2015**. Final approval of the well line connection to the dwelling was granted on **4/30/2015**. The well construction was completed on **7/8/2011**. Water samples were collected on **7/16/2015**.

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-95-2085. 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 "K. M. Wolf", written in a cursive style.

Kevin M. Wolf, LEHS, Supervisor
Groundwater Management Section
Well & Septic Program

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

**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: Fogies Well Drilling LLC Telephone #: 410-795-5670
Address: J PO BOX 202 J
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: TOLL BROTHERS Telephone #: 410-489-7408
Subdivision: CATTAIL OVERLOOKS Lot #: 7 Well Tag #: HO-15-2095
Site Address: 19926 Victory Lane
Glenelg, MD

| | | |
|---|------------------------------|---|
| <u>Submersible Pump Data</u> | <u>Pitless Adapter</u> | <u>Well Cap and Electric Conduit</u> |
| Make: <u>Grundfos</u> | Make: <u>Campbell</u> | Two piece watertight cap: <u>YES</u> |
| Model #: <u>ISS0ED1-180</u> | Model #: <u>N/A</u> | Screened, vented well cap: <u>YES</u> |
| Pump Capacity <u>15</u> GPM | Depth: <u>36" (36" min)</u> | Cap secured to casing: <u>YES</u> |
| Well Yield: <u>10</u> GPM | NSF/WSC approved: <u>YES</u> | Conduit min 1 1/2" B.G.: <u>YES</u> |
| Depth of well encountered at time of pump installation: <u>145</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 <u>inside of well casing</u> <u>N/A</u> | | |

| | |
|--|--|
| <u>Piping to house</u> | <u>House Connection</u> |
| Type: <u>1" POLY pipe</u> | PVC sleeve to undisturbed soil at wall penetration: <u>YES</u> |
| PSI: <u>200</u> (160 psi min) | Length of sleeve (5' minimum from foundation): <u>6'</u> |
| Depth of supply line: <u>36" (36" min)</u> | Sleeve sealed properly: <u>YES</u> |

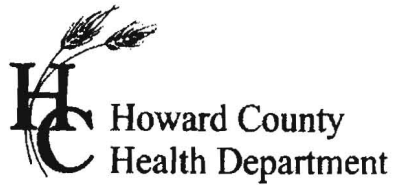
The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation: David Fogle date: 4/30/15

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

Date Insp. Requested: 4/30/15 Date Insp. Approved: 4/30/15 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 18" 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> |
| Adequate grout observed below pitless adapter | <u>✓</u> |



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

Peter L. Bielensohn, M.D., M.P.H., Health Officer

TO ALL INTERESTED PARTIES

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

Well Site Location:

| | | |
|---------------------------------|-------|--------------|
| Meriwether Farm, Sec. II, Ph. 1 | 7 | Victory Lane |
| Subdivision/Property Name | Lot # | Road Name |

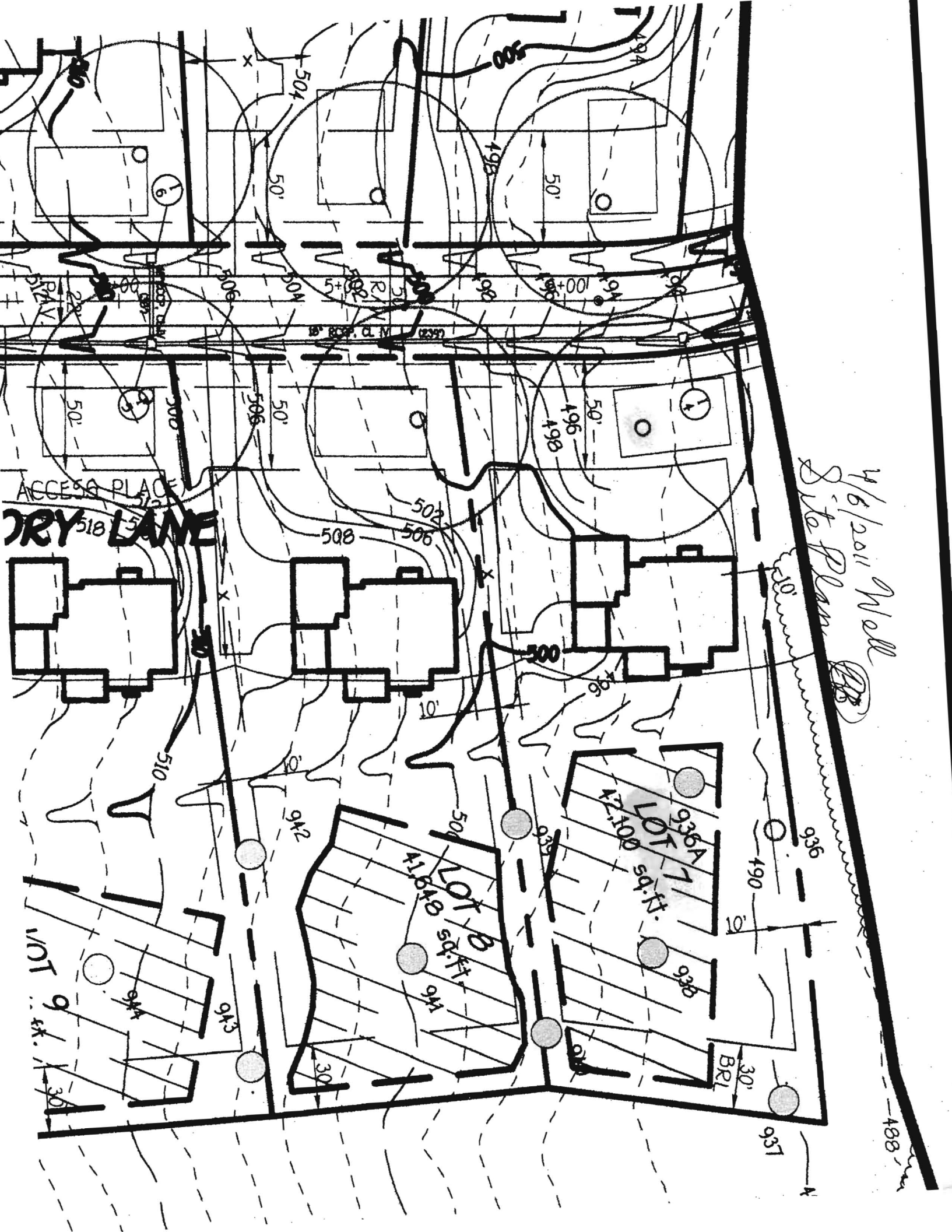
☒ The well site has been staked by Fisher, Collins & Carter, Inc.,
(professional land surveyor or company employing professional land surveyors)
on 03/21/11 (date) and does not require a site inspection.

☐ 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 3/11/07

4/6/2011 Moll
Site Plan



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 #: 101960 Account #: 1930
Reference: Toll Brothers Lot 7 Company: Fogle's Well Drilling
Location: 14926 Victory Lane Requested By: Dave Fogle
Glenelg, MD 21737 Source: Well Water
Date/ Time Collected: 7/16/2015 1012 Site: Pressure Tank ✓
Date/Time Rec'd: 7/16/2015 1337 Treatment: None
Chlorine ppm: Free: ND Total: ND pH: 6.1
Collected By: J. Fogle 1974JF Well #: HO-95-2085

| PARAMETERS | RESULTS | UNITS | REFERENCE | METHOD | DATE/TIME/ANALYST |
|--------------------------------|---------|-------------|-----------|--------------------|------------------------|
| Bacteria, Coliform, Total, MPN | <1.0 | MPN/ 100 ml | <1.0 | SM18 9223 | 7/17/2015 / 1000 / CCH |
| Bacteria, E. coli, MPN | <1.0 | MPN/ 100 ml | <1.0 | SM18 9223 | 7/17/2015 / 1000 / CCH |
| Nitrate | ✓ 6.01 | mg/L | 10 | 601 | 7/17/2015 / 1000 / CRS |
| Turbidity | ✓ 1.38 | NTU | <10 | SM18 2130B | 7/17/2015 / 1050 / CRS |
| Sand | ✓ NS | mg/L | 5 | Visual/Gravimetric | 7/17/2015 / 1050 / CRS |

NOTES

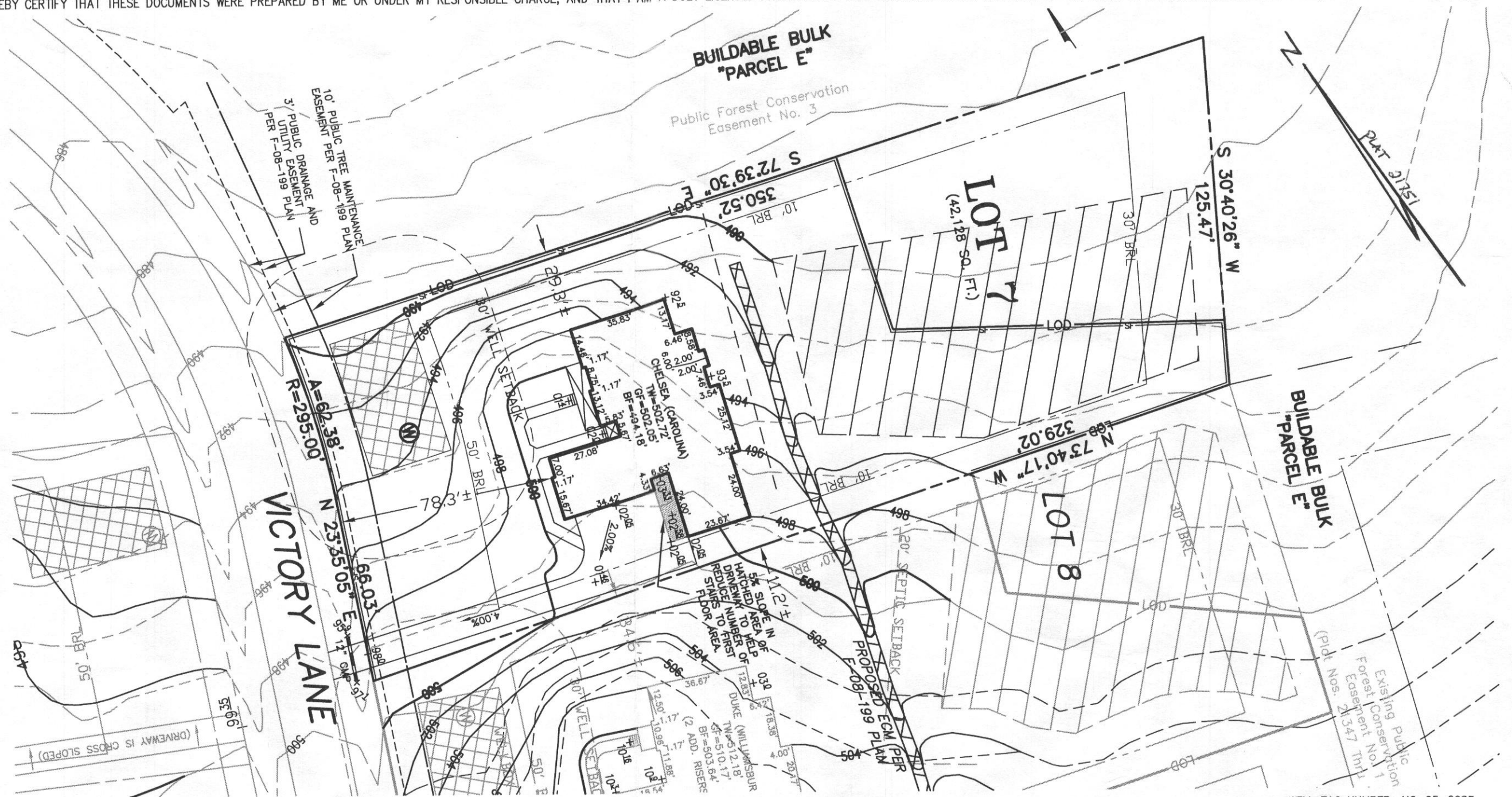
- 1 mg/L = milligrams per liter (also, parts per million)
- 2 MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
- 3 NS = None Seen (NS indicates less than 5 mg/L)
- 4 NTU = Nephelometric Turbidity Units
- 5 Results less than or within the reference range are considered satisfactory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

Reason for Test : Use & Occupancy**Building Permit # :** B14004397Date Reported: 7/17/2015

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21328, EXPIRATION DATE 1/8/15.

LEGEND:

- W WELL LOCATION
- LOD- LIMITS OF DISTURBANCE
- TW TOP OF WALL
- GF GARAGE FLOOR
- BF BASEMENT FLOOR
- BRL BUILDING RESTRICTION LINE



BUILDING SETBACKS (B.R.L.'s) SHOWN HEREON PER SITE DEVELOPMENT PLAN SETBACK DISTANCES SHOWN HEREON AS "±" HAVE AN ACCURACY OF ±0.1' FOOT.

WELL TAG NUMBER: HO-95-2085

ADDRESS: 14926 VICTORY LANE
GLENELG, MD 21737

HOUSE OPTIONS:

TYPE: CHELSEA (CAROLINA)
THREE CAR SIDE ENTRY GARAGE
WALK-OUT BASEMENT
ADD'L 1' TO HEIGHT OF BASEMENT FOUNDATION
SOLARIUM ADDITION
GRAND MULTI-GENERATIONAL SUITE ADDITION
BRICK TO GRADE SIDES AND BACK OF HOME

OPTION No. 001
OPTION No. 017
OPTION No. 070
OPTION No. 501
OPTION No. 263075
OPTION No. 90007010

PLOT PLAN
LOT 7
MERIWETHER FARMS

LIBER 13779, FOLIO 473
PLAT NO. 21751
FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND



Land Planning
Engineering
Land Surveying

ESE Consultants, Inc.
7164 Columbia Gateway Dr.
Columbia, MD 21046
Tel: 410-872-9105
Fax: 410-872-4870

DATE: 10/14/14
CHK'D: M.J.B.

SCALE: 1"=40'
JOB NO: 3184

FILE: PP LOT 7_rev1
DRAWN: R.C.K