



B 1 1067

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER

528437 please type

HO-95-1547 fill in this form completely

Date Received (APA)

OWNER INFORMATION

8 MM DD YY 13
15 Last Name Owner First Name 34
P.D. Box 30
36 Street or RFD 55
57 Town 70 State 72 Zip 76

B 3

LOCATION OF WELL

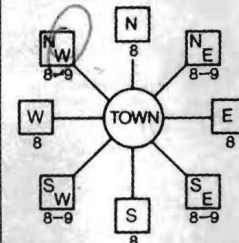
8 COUNTY Howard
23 SUBDIVISION The Warfield II
SECTION 44 46 LOT 48 50 35
52 NEAREST TOWN Dayton
MILES FROM TOWN (enter 0 if in town) 73 4 76 77 78

DRILLER INFORMATION

Driller's Name Joseph L Mayne M 5 D 024
Firm Name Joseph L Mayne Well Drilling
Address 5512 Ridge Rd Mt. Airy Md 21771
Signature Joseph L Mayne Date 12-19-2008

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



11 NEAR WHAT ROAD Road B 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
34 60 37
DISTANCE FROM ROAD FT
ENTER FT OR MI 38 39

TAX MAP: 21 BLK: 23 PARCEL 114

B 2

WELL INFORMATION

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

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
[G] GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard 13 A 517 336
COUNTY NAME COUNTY NO.
STATE SIGNATURE INSERT S
DATE ISSUED 2/14/08
CO SIGNATURE EXP. DATE 2/14/09
NORTH GRID 515 000 EAST GRID 0796 000
50 55 57 63

APPROXIMATE DEPTH OF WELL 24 300 28 FEET

APPROXIMATE DIAMETER OF WELL 6 NEAREST INCH

METHOD OF DRILLING (circle one)

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

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 DEEPEM AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 52

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 7966
N 5145

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



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

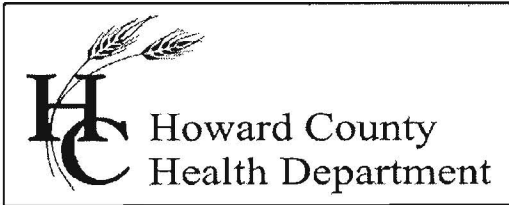
APPROP. PERMIT NUMBER HO 2006G 009

PERMIT No. HO-95-1547

SPECIAL CONDITIONS Drill well @ Northern corner of well box.







Bureau of Environmental Health

8930 Stanford Blvd., Columbia, MD 21045  
Main: 410-313-1771 | 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

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**INTERIM CERTIFICATE OF POTABILITY**  
**PERMANENT DEVIATION FOR NITRATES**  
Expiration Date – APRIL 19, 2016

October 19, 2015

Homeowner  
14719 Lear Court  
Glenelg, MD 21737

**RE: Warfields II, Lot 35**  
**14719 Lear Ct.**  
**Building Permit: B15001552**  
**Well Permit: HO-95-1547**

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 **10/5/2015**. Final approval of the well line connection to the dwelling was granted on **8/10/2015**. The well construction was completed on **3/31/2008**. Water samples were collected on **9/9/2015 & 9/21/2015**.

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.

The untreated water sample collected on **9/9/2015** indicated a nitrate level of **10.7 mg/L**. **This exceeds the maximum contaminant limit of 10 mg/L set forth in COMAR 26.04.04.09**. After installation of a nitrate removal device (kitchen tap reverse osmosis system), a post-treatment water sample was collected on **10/5/2015** and indicated a nitrate level of **<1.0 mg/L**.

This Department will grant a **permanent deviation** to the Interim Certificate of Potability on condition that the nitrate removal system effectively maintains a nitrate-nitrogen contaminant level of **10 mg/L or less**.

**Furthermore, it will be necessary for you to comply with the following conditions:**

1. The system must be properly operated and maintained continuously in accordance with the service contract for the life of the residence.
2. It is recommended that a Maryland certified water laboratory certified for nitrates analysis perform a yearly nitrate analysis.

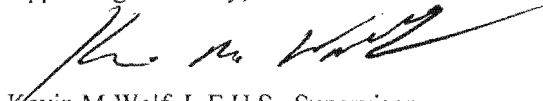
3. If you decide to sell or rent your home in the future, you must make any potential buyer/tenant aware of this permanent deviation. **A person who fails to make this disclosure is subject to the penalties set out in COMAR 26.04.04.12F Enforcement and Environment Article 9-1311, Annotated Code of Maryland.**

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-95-1547. 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 quality 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,



Kevin M Wolf, L.E.H.S., Supervisor  
Groundwater Management Section  
Well & Septic Program

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

# Water Testing Laboratories

P.O. Box 712  
Stevensville, MD 21666  
410-643-7711

of Maryland, Inc.

N V Homes  
C/O Robert Feezer Co  
6321 Barnett Ave  
Sykesville, MD 21784

Reporting Date: 9/14/15  
Report #: M3285

Submitted Sample Address: 14719 Lear Court  
Glenelg, MD  
Submitted Sample Source: Holding tank  
Date / Time Collected: 9/9/2015 10:30 AM  
Sample Type: Drinking Water  
Sampler/Company: K. Lee 4827KL, WTL of MD  
Field Record: Chlorine residual: Absent Clear when drawn pH: 6.7  
Well Tag #: HO 95 1547

## Analytical Results

Parameter	Result	Units	Report Limit	Standard	Standard Type
Total Coliform Bacteria	<b>Present</b>	Coliforms/100 ml	Present/Absent	Absent	EPA Primary MCL
<i>E. Coli</i> Bacteria	Absent	Coliforms/100 ml	Present/Absent	Absent	EPA Primary MCL
Nitrate as N	<b>10.7</b>	mg/L	0.5	10	EPA Primary MCL
Sand	Absent	mg/L or Absent	mg/L or Absent	< 5 mg/L*	MD Well Reg.
Turbidity	2.0	NTU	0.5	< 10 NTU*	MD Well Reg.

### Notes:

- Bacteriological analysis of this sample indicates this water is **unsafe** for human consumption.
- Results in **BOLD** exceed the MCL, Action Level or MD well regulation.
- Samples received and examined within EPA's recommended holding times.
- MCL - Maximum Contaminant Level
- ND - Not Detected.
- \* Sand and turbidity standard for new wells - See Code of Maryland Regulations (COMAR) 26.04.04.16E(5). If sand is present, it is analyzed to determine amount of sand in mg/L.
- MCL Type -  
**EPA Primary:** The maximum contaminant level which is the highest level of contaminant that is allowed in drinking water. Primary MCLs are enforceable standards.  
**EPA Secondary:** Non enforceable guidelines regulating contaminants that cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste or odor) in drinking water.  
**Action Level:** Defined in treatment techniques which are required processes intended to reduce the level of a contaminant in drinking water.
- We certify that the analyses performed for this report are accurate, and that the laboratory tests were conducted by methods approved by the US Environmental Protection Agency and the Maryland Department of the Environment.

Reported by,

*D. Saumenig*

D. Saumenig, Customer Service Representative

Reviewed by: *JB*

# Water Testing Laboratories

P.O. Box 712  
Stevensville, MD 21666  
410-643-7711

of Maryland, Inc.

Nv Homes  
C/O Robert Feezer Co.  
6321 Barnett Avenue  
Sykesville Md 21784

Reporting Date: 9/22/15  
Report #: M3322

Submitted Sample Address: 14719 Lear Court, Glenelg  
Submitted Sample Source: Holding tank  
Date / Time Collected: 9/21/2015 09:55 AM  
Sample Type: Drinking Water  
Sampler/Company: K. Lee 4827KL, WTL of MD  
Field Record: Chlorine residual: Absent Clear when drawn

## Analytical Results

Parameter	Result	Units	Report Limit	Standard	Standard Type
Total Coliform Bacteria	Absent	Coliforms/100 ml	Present/Absent	Absent	EPA Primary MCL
<i>E. Coli</i> Bacteria	Absent	Coliforms/100 ml	Present/Absent	Absent	EPA Primary MCL
Nitrate as N	10.8	mg/L	0.5	10	EPA Primary MCL
Sand	Absent	mg/L or Absent	mg/L or Absent	< 5 mg/L*	MD Well Reg.
Turbidity	0.9	NTU	0.5	< 10 NTU*	MD Well Reg.
pH	7.8	SU	0.1	6.5-8.5	EPA Secondary MCL

Notes:

- Bacteriological analysis of this sample indicates this water is  safe for human consumption.
- Results in **BOLD** exceed the MCL, Action Level or MD well regulation.
- Samples received and examined within EPA's recommended holding times.
- MCL - Maximum Contaminant Level
- ND - Not Detected.
- \* Sand and turbidity standard for new wells - See Code of Maryland Regulations (COMAR) 26.04.04.16E(5). If sand is present, it is analyzed to determine amount of sand in mg/L.
- MCL Type -  
  - EPA Primary:** The maximum contaminant level which is the highest level of contaminant that is allowed in drinking water. Primary MCLs are enforceable standards.
  - EPA Secondary:** Non enforceable guidelines regulating contaminants that cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste or odor) in drinking water.
  - Action Level:** Defined in treatment techniques which are required processes intended to reduce the level of a contaminant in drinking water.
- We certify that the analyses performed for this report are accurate, and that the laboratory tests were conducted by methods approved by the US Environmental Protection Agency and the Maryland Department of the Environment.

Reported by,

*T. Davis*

T. Davis, Customer Service Representative

Reviewed by: *JNB*

# Water Testing Laboratories

P.O. Box 712  
Stevensville, MD 21666  
410-643-7711

of Maryland, Inc.

N V Homes  
C/O Robert Feezer Co.  
6321 Barnett Avenue  
Sykesville, Md 21784

Reporting Date: 10/8/2015  
Report #: M3370

Submitted Sample Address: 14719 Lear Court  
Glenelg, MD  
Submitted Sample Source: Kitchen sink Reverse Osmosis System *OK*  
Date / Time Collected: 10/5/2015 10:15 AM  
Sample Type: Drinking Water  
Sampler/Company: K. Lee 4827KL, WTL of MD  
Field Record: Chlorine residual: Absent Clear when drawn  
Well Tag #: N/A

## Analytical Results

Parameter	Result	Units	Report Limit	Standard	Standard Type
Nitrate as N	ND	mg/L	0.5	10	EPA Primary MCL

### Notes:

1. Results in **BOLD** exceed the MCL, Action Level or MD well regulation.
2. Samples received and examined within EPA's recommended holding times.
3. MCL - Maximum Contaminant Level
4. ND - Not Detected.
5. \* Sand and turbidity standard for new wells - See Code of Maryland Regulations (COMAR) 26.04.04.16E(5). If sand is present, it is analyzed to determine amount of sand in mg/L.
6. MCL Type -  
EPA Primary: The maximum contaminant level which is the highest level of contaminant that is allowed in drinking water. Primary MCLs are enforceable standards.  
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Action Level: Defined in treatment techniques which are required processes intended to reduce the level of a contaminant in drinking water.
7. We certify that the analyses performed for this report are accurate, and that the laboratory tests were conducted by methods approved by the US Environmental Protection Agency and the Maryland Department of the Environment.

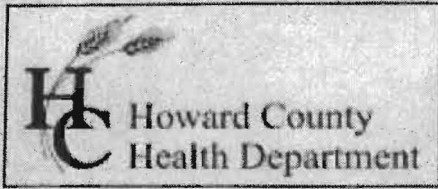
Reported by,

*Christina Rodgers*

C. Rodgers, Customer Service Representative

Reviewed by: *RS*

Bureau of Environmental Health  
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



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

**REQUEST FOR PERMANENT DEVIATION TO  
NITRATE STANDARDS FOR CERTIFICATE OF POTABILITY**

DATE: 10/13/15 WELL PERMIT # : HO - \_\_\_\_\_ - \_\_\_\_\_

PROPERTY OWNER: Patel

SUBDIVISION & LOT #: Warfield 8035

PROPERTY ADDRESS: 14719 Lear Ct

**CONDITIONS:**

- 1) The well installed under permit # HO - \_\_\_\_\_ - \_\_\_\_\_ has been documented to have a nitrate level of 10.7 ppm, which exceeds the MCL of 10 ppm.
- 2) After installation and operation of a nitrate filtration system, water samples collected on 10/8/15 indicated that the nitrate contamination has been reduced to ND (not detected) ppm at the primary drinking tap.

I hereby request that a Permanent Deviation to COMAR 26.04.04.09 be granted for the well installed under permit HO - \_\_\_\_\_ - \_\_\_\_\_. I am fully aware of the conditions under which this deviation will be granted, and of my responsibilities as the well owner, which include advising any future buyer/ tenant of the installation, condition and maintenance responsibilities of the nitrate removal device.

Prospective Owner's Original Signature(s) [Person(s) that intend to live in the dwelling]

Handwritten signature of Brian Patel in cursive script.

**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: Robert L. Feezer Co. Telephone #: 410-781-4655  
Address: 6321 Barnett Avenue  
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): Joshua Henricks License# PI0173

**\*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: NV Homes Telephone #: 410-379-5956  
Subdivision: Warfield Estates II Lot #: 8035 Well Tag #: HO - 95 - 1547  
Site Address: 14719 Lear Court  
Glenelg, MD 21737

**Submersible Pump Data**

Make: Berkeley  
Model #: B7P4MS07221  
Pump Capacity 7 GPM  
Well Yield: 15 GPM

**Pitless Adapter**

Make: Boshart  
Model#: P-100-SS  
Depth: 42" (36" min)  
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: 280 (feet)  
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 *N/A*

**Piping to house**

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

**House Connection**

PVC sleeve to undisturbed soil at wall penetration: Yes  
Length of sleeve(5' minimum from foundation): 10'  
Sleeve sealed properly: Yes

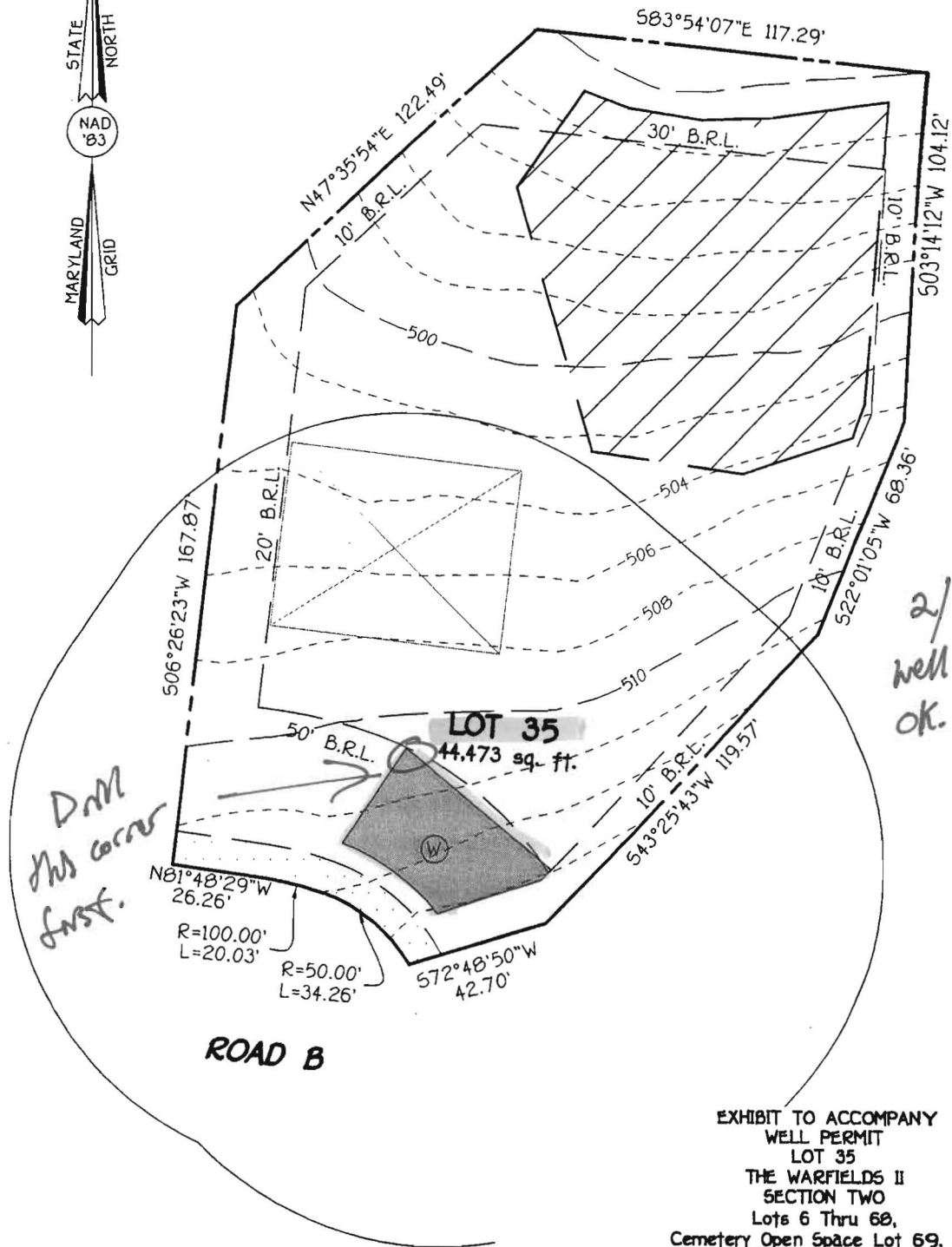
**The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.**

Joshua Henricks June 25, 2015  
Signature of company representative responsible for installation date

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

Date Insp. Requested: 8/10/15 Date Insp. Approved: 8/10/15 Inspector: SC  
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 ✓





*DM  
this corner  
first.*

*2/14/08  
well site  
OK.  
(KW)*

**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
 ELLICOTT CITY, MARYLAND 21042  
 (410) 461 - 2855

EXHIBIT TO ACCOMPANY  
 WELL PERMIT  
 LOT 35  
 THE WARFIELDS II  
 SECTION TWO  
 Lots 6 Thru 68,  
 Cemetery Open Space Lot 69, And  
 Buildable Preservation Parcel 'A' And  
 Non-Buildable Preservation Parcels 'B', Thru 'I'  
 Tax Map: 21, Grid 23, Parcel: 55  
 Tax Map: 27, Grid 5, Parcels: 56, 109 And 144  
 Fourth Election District  
 Howard County, Maryland  
 Date: December 6, 2007  
 F-07-040