

B 1 14972

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND
APPLICATION FOR PERMIT TO DRILL WELL
544526-B please type

STATE PERMIT NUMBER

HO-95-2482
fill in this form completely

Date Received (APA)

020513

OWNER INFORMATION

8 MM. 00 YY 13
RENFRO HE
15 Last Name Owner First Name 34
13765 Rt. 144
36 Street or RFD 55
West Friendship Shp. MD. 21794
57 Town 70 State 72 Zip 76

B 3

LOCATION OF WELL

Howard
8 COUNTY 21
RENFRO Property
23 SUBDIVISION 42
SECTION 4 LOT 4
44 46 48 50
West Friendship
52 NEAREST TOWN 71

DRILLER INFORMATION

RALPH MAYNE M S D 117
76 License No. 81
Driller's Name
RALPH MAYNE WELL DRILLING
Firm Name
17024 Handy Rd Mt Airy MD. 21771
Address
Ralph Mayne 2/14/13
Signature Date

B 4

SOURCES OF DRILLING WATER

1. well
2.
3.

MD. Rt. 144
11 STREET ADDRESS 30
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
34 1300 37
DISTANCE FROM ROAD ENTER FT OR MI 38 39
TAX MAP: 15 BLK: PARCEL 178



B 2 WELL INFORMATION

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

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard A536689 13
COUNTY NAME COUNTY NO.
STATE SIGNATURE INSERT S → 41
DATE ISSUED 02/20/2013 RALPH MAYNE 2/20/14
43 MM. 00 YY 48 CO SIGNATURE EXP. DATE

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

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

APPROXIMATE DEPTH OF WELL 150 FEET
24 28
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

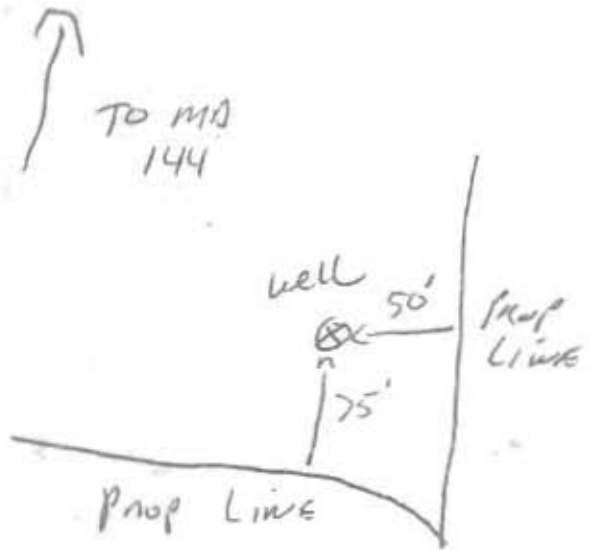
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- THIS WELL WILL NOT REPLACE AN EXISTING WELL
- 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) 41 52

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

APPROX. PERMIT NUMBER G
PERMIT No. HO-95-2482
70 71 72 73 74 75 76 77 78 79



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: TC Plumbing LLC Telephone #: 301-343-8924
Address: 15727 Mill Brook Lane
Lanpl, MD 20707

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer

License # and name of individual responsible for the field installation:
Name (Print): Timothy Chobot License# 68889

***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: Marie Renfro Telephone #: _____
Subdivision: Renfro Property Lot #: 4 Well Tag #: HO-95-2482
Site Address: 13775 Frederick Rd
West Friendship, MD 21794

Submersible Pump Data	Pitless Adapter	Well Cap and Electric Conduit
Make: <u>National Pump</u>	Make: <u>American Garby</u>	Two piece watertight cap: <u>yes</u>
Model #: <u>BF-0515 2BF72.5</u>	Model: <u>PT800</u>	Screened, vented well cap: <u>yes</u>
Pump Capacity: <u>4.2</u> GPM	Depth: <u>36"</u> (36" min)	Cap secured to casing: <u>yes</u>
Well Yield: <u>10</u> GPM	NSF/WSC approved: _____	Conduit min 18" B.G.: <u>yes</u>
Depth of well encountered at time of pump installation: _____ (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 178.4
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	House Connection
Type: _____	PVC sleeve to undisturbed soil at wall penetration: <u>yes</u>
PSI: <u>160</u> (160 psi min)	Length of sleeve 5' minimum from foundation: <u>9'</u>
Depth of supply line: <u>36"</u> (36" min)	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: [Signature] date: 11/29/17

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

Date Insp. Requested: 12/1/17 Date Insp. Approved: 12/1/17 Inspector: SC

Inspection Data: Pitless adapter watertight & water supply line at least 36" below grade	<input checked="" type="checkbox"/>
Two piece cap installed and attached to casing securely	<input checked="" type="checkbox"/>
Elec. conduit extends at least 18" below grade/attached to cap properly	<input checked="" type="checkbox"/>
Safety rope not outside of well cap/casing	<input checked="" type="checkbox"/>
Correct well tag attached properly and casing 8" above finished grade	<input checked="" type="checkbox"/>
Water supply line sleeved adequately at house connection	<input checked="" type="checkbox"/>
Adequate grout observed below pitless adapter	<input checked="" type="checkbox"/>

INTERIM CERTIFICATE OF POTABILITY
Expiration Date – SEPTEMBER 2, 2018

March 2, 2018

Homeowner
13775 Frederick Road
Woodbine, MD 21797

RE: Renfro Property, Lot 4
13775 Frederick Road
Building Permit: B17002438
Well Permit: HO-95-2482

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 **12/4/2017**. Final approval of the well line connection to the dwelling was granted on **12/1/2017**. The well construction was completed on **3/13/2013**. Water samples were collected on **2/27/2018**.

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-95-2482. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies.

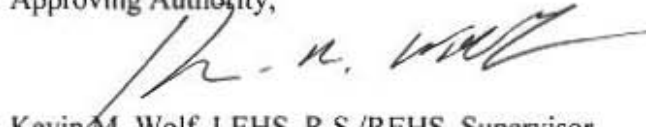
This Interim Certificate of Potability will expire **six months** from the date of issuance. Submission of a second bacteriological test indicating the water is free of coliform and fecal coliform bacteria is required prior to the expiration date, after which time a Final Certificate of Potability will 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.mdc.state.md.us/assets/document/WSP-Labs-2010apr16.pdf>

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

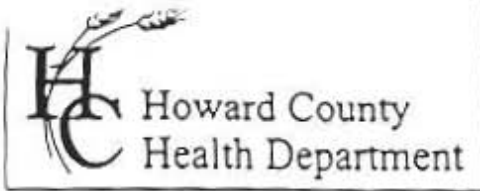
In closing, please refer to our "Homeowner Fact Sheet" which illustrates a better understanding for your Onsite Sewage Disposal System. You will also find a link to Maryland Department of the Environments website which describes in further detail operation and maintenance of your septic system.

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



3525 H Ellicott Mills Drive • Ellicott City, MD 21043
(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

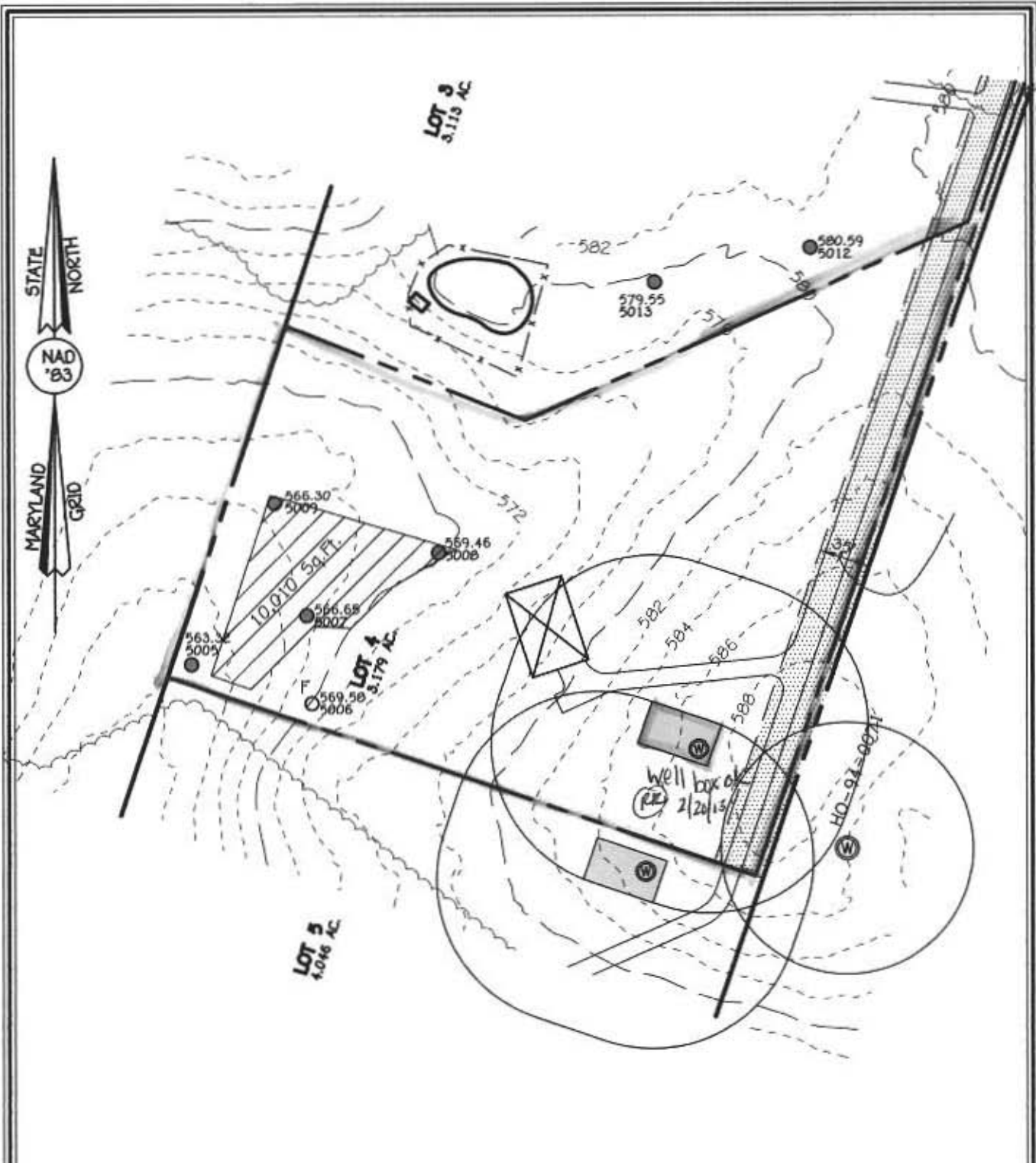
ATTENTION WELL DRILLERS!!!

When submitting a well application for a new or replacement well, please indicate one of the following:

- The well site has been staked by Fisher-Collins-Carter on Jan 28 2013 and is ready for site inspection.
- _____ will call the Health Department for a time to meet in the field to verify a well location.
- Site plan for new well is attached to well permit application.

Please attach this sheet when submitting your green application. This should help improve communication allowing a more timely service for our citizens.

KN OWNER NAME - H.E. RENFROW
Sub-NAME - RENFRO Prop. OFF MA 144
Lot # 4



LOT 5
4.046 AC

LOT 3
3.113 AC

LOT 4
3.179 AC

10,010 SQ. FT.

Well box of
RE 2/20/13

HO-91-0071

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 4
 RENFRO PROPERTY
 BUILDABLE LOTS 1 THRU 5
 Tax Map: 15, Grid 1, Parcel: 170
 Third Election District
 Howard County, Maryland
 Date: January 28, 2013
 Scale 1"=100'

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 #: 120162 Account #: 7349
Reference: Chris Berarducci Company: Berarducci Builder
Location: 13775 Frederick Road Requested By: Chris Berarducci
West Friendship, MD 21794 Source: Well Water
Date/ Time Collected: 2/27/2018 1200 Site: Pressure Tank
Date/Time Rec'd: 2/27/2018 1400 Treatment: None
Chlorine ppm: Free: ND Total: ND pH: 6.7
Collected By: G. Lana 3799GL Well #: HO-95-2482

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223	2/28/2018 / 1000 / CRS
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223	2/28/2018 / 1000 / CRS
Nitrate	<1.0	mg/L	10	601	2/27/2018 / 1630 / CRS
Turbidity	0.56	NTU	<10	SM20 2130B	2/27/2018 / 1655 / CRS
Sand	NS	mg/L	5	Visual/Gravimetric	2/27/2018 / 1655 / CRS

NOTES

- * Per Client's request, report revised to show corrected address 3/1/18 LLO
- mg/L = milligrams per liter (also, parts per million)
- MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
- NS = None Seen (NS indicates less than 5 mg/L)
- NTU = Nephelometric Turbidity Units
- Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- ND:None Detected
- Visual well check: Sealed, vented cap
- pH & Chlorine level tested on site

Reason for Test : Use & Occupancy
Building Permit # : B17002438

Date Reported: 3/1/2018