

B 1 8928

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL 522472 please type

STATE PERMIT NUMBER

HD-95-0060 fill in this form completely

Date Received (APA)

OWNER INFORMATION

8 MM DD YY 13

J.T.S. Corp Owner First Name 34 8800 Centre Park M. S. 205 Street or RFD 55 Columbia MD. 21045 Town 70 State 72 Zip 76

B 3

LOCATION OF WELL

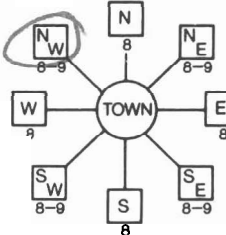
Howard COUNTY 21 Mus Grove SUBDIVISION 42 SECTION 44 46 LOT 26 48 50 GLEWELG NEAREST TOWN 71 MILES FROM TOWN (enter 0 if in town) 2 M I 73 76 77 78

DRILLER INFORMATION

Raph E Mayne MSD 112 Driller's Name 76 License No. 81 Raph E. Mayne Inc Firm Name 17024 Handy rd Mt Airy MD. 21071 Address 5-14-05 Signature Date

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Mus Grove Farm Ct. NEAR WHAT ROAD 30 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH 125 SOUTH 37 DISTANCE FROM ROAD ENTER FT OR MI 38 39 TAX MAP: 21 BLK: 12 PARCEL 12

B 2

WELL INFORMATION

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

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 COUNTY NAME 13 COUNTY NO. STATE SIGNATURE INSERT S DATE ISSUED 6/20/05 CO SIGNATURE EXP. DATE 6/20/06 NORTH GRID 524 000 EAST GRID 798 000

APPROXIMATE DEPTH OF WELL 150 FEET 24 28

APPROXIMATE DIAMETER OF WELL 6 INCH 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
[S] 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 DEEPEN AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 52

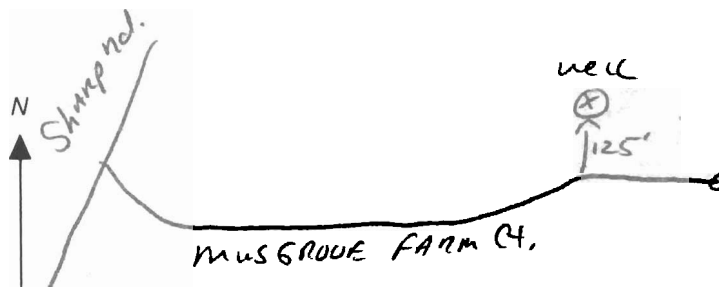
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER 1. well 2. 3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 525 798 000 000 N 800 524

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)

APPROX. PERMIT NUMBER HD 2005 G 002 PERMIT No. HD-95-0060

SPECIAL CONDITIONS

NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

Call: Mike

**HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
WATER AND SEWERAGE PROGRAM
TEL: (410)313-2640 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: Home Land Pump + water Telephone #: 443-846-8659
Address: 5414A Arcadia Ave
Upperco, MD 21155

(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 Dodd License# PI 0161

*A licensed individual must perform the actual installation. Apprentices must be under the direct supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification.

Name of Property Owner: Bryan Hornes Telephone #: 410-265-1325 (Pat)
Subdivision: Musgrove Farms Lot #: 26 Well Tag #: HO-15-0000
Site Address: 14335 Musgrove Farms Ct
Caleneig, MD

Submersible Pump Data	Pitless Adapter	Well Cap and Electric Conduit
Make: <u>Grundfos</u>	Make: <u>Cornell</u>	Two piece watertight cap: <input checked="" type="checkbox"/>
Model #: <u>ISSACO7180</u>	Model#: <u>PA500</u>	Screened, vented well cap: <input checked="" type="checkbox"/>
Pump Capacity <u>15</u> GPM	Depth: <u>42"</u> (36" min)	Cap secured to casing: <input checked="" type="checkbox"/>
Well Yield: <u>10</u> GPM	NSF approved: <input checked="" type="checkbox"/>	Conduit min 18" B.G.: <input checked="" type="checkbox"/>
Depth of well encountered at time of pump installation: <u>180</u> (feet)		Conduit secured to well cap: <input checked="" type="checkbox"/>

If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4
Torque arrestors or Cable guards are required - Must circle one
Safety rope, if used, attached to inside of well casing with eye bolt

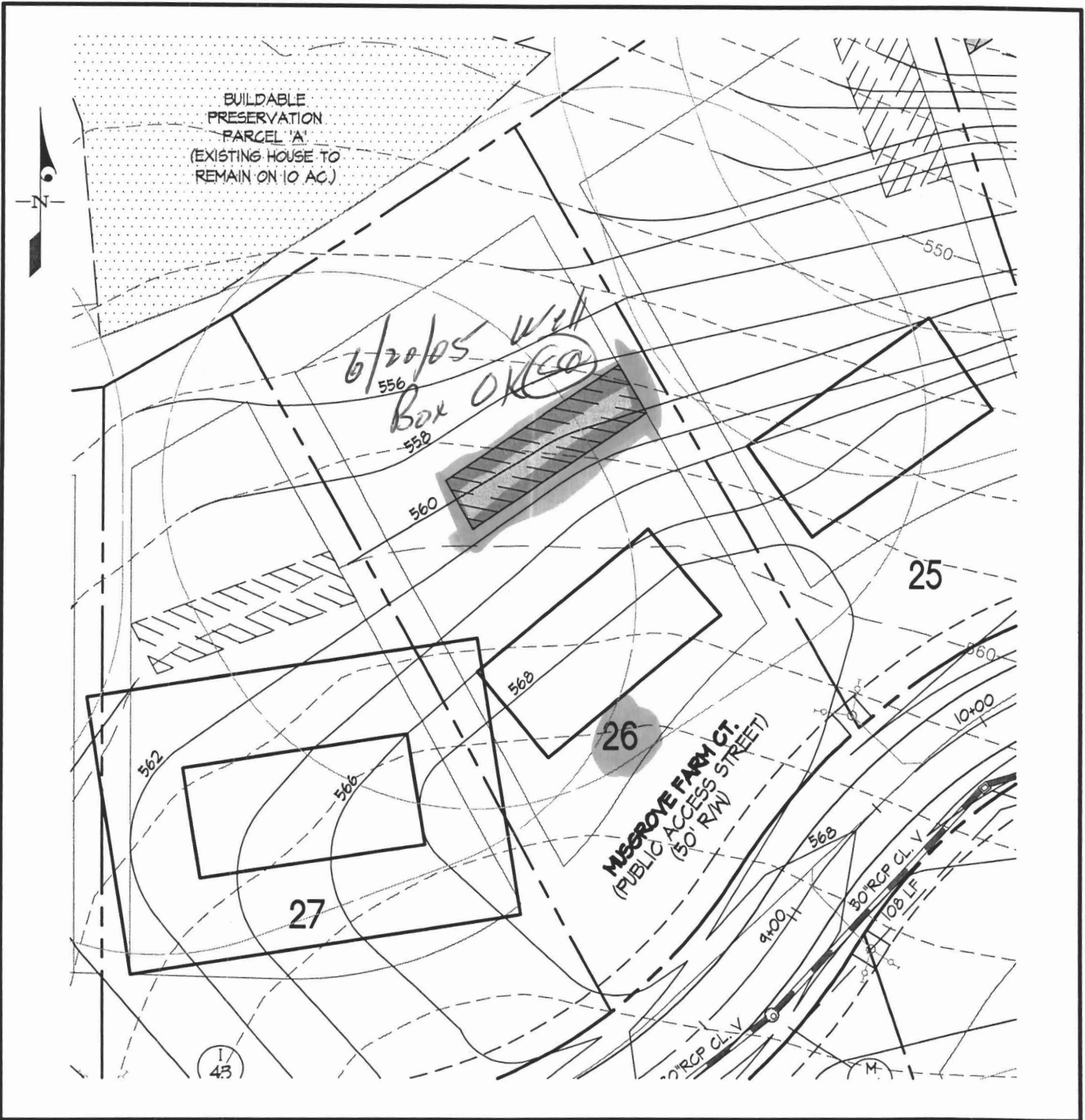
Piping to house	House Connection
Type: <u>SIDOR HDE</u> pipe	PVC sleeved to undisturbed soil at wall penetration: <input checked="" type="checkbox"/>
PSI: <u>160</u> (160 psi min)	Approximate length of sleeve: <u>6'</u>
Depth of supply line: <u> </u> (36" min)	Sleeve caulked and sealed properly: <input checked="" type="checkbox"/>

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: 7-24-08

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

Date Insp. Requested: _____ Date Insp. Approved: 8/21/08 BB/KW
Inspection Data: Pitless adapter and 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 installed inside of well 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



LEGEND



CONCEPTUAL HOUSE BOX

4022
W-26



WELL SURVEY POINT



WELL BOX

WELL LOCATION EXHIBIT - LOT 26

MUSGROVE FARM

Lots 1 thru 30, Buildable Preservation Parcels 'A'
and Non-Buildable Preservation Parcels 'C' and 'D'

GLW GUTSCHICK LITTLE & WEBER, P.A.

CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
BURTONSVILLE, MARYLAND 20866
TEL: 301-421-4024 BALT: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186

SCALE: 1"=50'

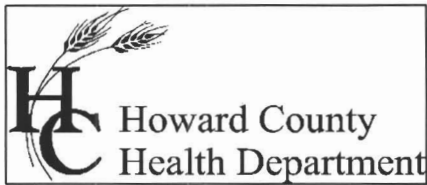
ZONING: RC/RR-DEO

TAX MAP/GRID: 22-12,22-1&7

GLW JOB NO: 01171

APR., 2005

1 OF 1



Bureau of Environmental Health
7178 Columbia Gateway Drive Columbia, Maryland 21046-2132
(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

August 26, 2008

NVR, Inc.
6085 Marshalee Drive, Ste. 130
Elkridge, MD 21075

RE: Musgrove Farm, Lot 26
14335 Musgrove Farm Court
Glenwood, MD 21738
BP# B08001057
Well Tag #: HO-95-0060

Dear Sir:

This is to advise you that the septic system for the above referenced property has been installed and inspected. **Final approval of the septic system was granted on 08/22/2008. Final approval of the well line connection to the dwelling was approved on 08/21/2008.**

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 water sample results were found to be in compliance with COMAR water quality standards.

INTERIM CERTIFICATE OF POTABILITY

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-95-0060. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies. Based upon satisfactory investigation and evaluation, the Howard County Health Department as authorized by the Maryland Department of the Environment accepts this well system as required by COMAR 26.04.04.

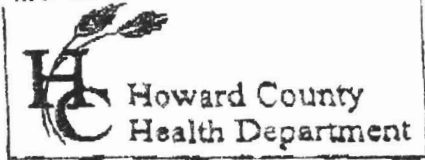
This certificate may become final upon completion of the second bacteriological test, which is to be taken by the county health department within six months of receipt of this letter. **Please contact (410) 313-1773 to schedule a final water sample appointment. Currently, there is no charge for this final sampling.**

Date of Water Samples: 08/25/2008
Date of Well Completion: 05/04/2006

Approving Authority,

Brian Baker, R. S.
Well & Septic Program

cc: Building Inspector's Office
Community Health Services
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

Panny E. Borenstein, M.D., M.P.H., Health Officer

ATTENTION WELL DRILLERS!!!

Muscrowe Farm

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

- The well site has been staked by Gutschick Little & Weber PA on 05/05/05 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



TRACE LABORATORIES, INC
5 North Park Drive
Hunt Valley, MD 21030 USA
Telephone: 410/584-9099 / Fax: 410/584-9117
Website: www.tracelabs.com / Email: info@tracelabs.com

Maryland State Certified Laboratory # 318

LETTER OF RESULTS

Home Land Septic Consulting
Attn: Tim Shotzberger
5414-A Arcadia Road
Upperco, Maryland 21155

Report Date: August 26, 2008

S/O#: 69520

The following information was provided by Home Land Septic Consulting:

Reference: Musgrove Farm, Lot #26
14335 Musgrove Farm Court
Glenwood, Maryland 21738

Well Information: No Tag Field pH: 6.0 Units
2-Piece Cap
Satisfactory

Date/Time Sampled: August 25, 2008 at 2:30 pm
Date/Time Received: August 25, 2008 at 3:00 pm

Listed below are results of drinking water analyses on a water sample collected by self (certified sampling #8065TS) and delivered to Trace Laboratories for analysis:

Table with 4 columns: Parameter, Result, MCL, and Pass/Fail status. Rows include Total Coliform, E. coli, Nitrate-N, Turbidity, and Sand.

MCL=Maximum Contamination Level

Handwritten signature of Allison R. Milburn
Allison R. Milburn
Manager - Drinking Water Testing

NOTE: Trace Laboratories is not responsible for the collection or the transportation of the sample.