

C 14 7036

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

COUNTY NUMBER 13 A518964

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED 3/23/07

Depth of Well 205 5/31/07

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-95-0773

OWNER Toll Brothers, Inc. STREET OR RFD Corys Court TOWN Glenelg SUBDIVISION Edgewood Farm SECTION LOT 16

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Dirt, Hard Tan, Hard Clay, Soft Brown Clay, etc.

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

CASING RECORD MAIN CASING TYPE (PL) Nominal diameter (6 inch) Total depth (41 feet)

OTHER CASING (if used) diameter, depth

SCREEN RECORD screen type or open hole (H/O) diameter of screen (60 inch)

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED (Y/N)

CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION"

DRILLERS LIC. NO. 1 MWD 355 DRILLERS SIGNATURE

LIC. NO. 1 D 553

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

DEPTH (nearest ft.) 205

DIAMETER OF SCREEN (NEAREST INCH) 60

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.) W Q

TELESCOPE CASING LOG INDICATOR OTHER DATA

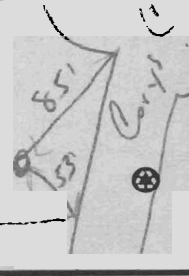
PUMPING TEST HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 12.0 METHOD USED TO MEASURE PUMPING RATE Timer Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 40 ft. WHEN PUMPING 44 ft. TYPE OF PUMP USED (for test) C centrifugal

PUMP INSTALLED DRILLER INSTALLED PUMP (CIRCLE) (YES or NO) YES

IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS. 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) LAND SURFACE below (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)



B 1	9362	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL 526283 please type	STATE PERMIT NUMBER HO-95-0773 fill in this form completely
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Date Received (APA) _____

OWNER INFORMATION

8 MM DD YY 13
 15 Last Name Tall Brothers Owner First Name 34
 36 Street or RFD 7104 Columbia Gateway Dr Suite 230 55
 57 Town Columbia, Md 70 State 72 Zip 76

B 3 **LOCATION OF WELL**

8 COUNTY Howard 21
 23 SUBDIVISION Edgewood Farms 42
 SECTION 16 LOT 16
 44 46 48 50
 52 NEAREST TOWN Stenselg 71
 MILES FROM TOWN (enter 0 if in town) 2 (M I) 73 76 77 78

DRILLER INFORMATION

Driller's Name Michael Barlow M H D 355 76 License No. 81
 Firm Name Barlow Well Drilling Srvc
 Address 533 Underwood Ln, Bel Air, Md 21014
 Signature [Signature] Date 3/13/07

B 4 **DIRECTION OF WELL FROM TOWN (CIRCLE BOX)**

1 2
 8 8-9 8-9 8 8
 N W N E W TOWN E S S W S E S 8-9 8-9 8

NEAR WHAT ROAD Conis Court 11 30
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NORTH SOUTH WEST EAST
 34 90 37
DISTANCE FROM ROAD ENTER FT OR MI 38 39
 TAX MAP: 21 BLK: 22 PARCEL 90

B 2 **WELL INFORMATION**

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

COUNTY NAME Howard COUNTY NO. 13
 STATE SIGNATURE Brian Baker INSERT S → 41
 DATE ISSUED 3/21/2007 CO SIGNATURE Brian Baker EXP. DATE 3/21/2008
 43 MM DD YY 48
 NORTH GRID 518 000 EAST GRID 792 000
 50 55 57 63

APPROXIMATE DEPTH OF WELL 300 FEET 24 28
 APPROXIMATE DIAMETER OF WELL 6 INCH 30 37

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER
 1. X
 2. X
 3. X

WRITE THE BOX NUMBER FROM THE MAP HERE
 E 7902
 N 52018
 000 000

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 DEEPEINED 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 DEEPEIN AN EXISTING WELL
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE) 41 _____ 52

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

Conis Court
Edgewood Farms
Roxbury Rd
 X

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

APPROP. PERMIT NUMBER HL02006004
 PERMIT No. HO-95-0773
 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS
 NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED



MICHAEL BARLOW WELL DRILLING & SERVICE, INC.

522 Underwood Lane
 (410) 838-6910

Bel Air, Maryland 21014
 Fax (410) 838-3582

WELL YIELD REPORT

Date Test Completed: March 23, 2007

Well Depth: 205 feet

Customer Toll Brothers
 Road Edgewoods Way
 City Glennelg
 State Maryland

Permit # HO-95-0773
 Subdivision Edgewood Farms
 Section _____
 Lot # 16

Time	Water Level feet	Time to Fill 1-gallon bucket seconds	G.P.M.
1:15 PM	40	5	12.00
1:30 PM	44	5	12.00
1:45 PM	44	5	12.00
2:00 PM	44	5	12.00
2:15 PM	44	5	12.00
2:30 PM	44	5	12.00
2:45 PM	44	5	12.00
3:00 PM	44	5	12.00
3:15 PM	44	5	12.00
3:30 PM	44	5	12.00
3:45 PM	44	5	12.00
4:00 PM	44	5	12.00
4:15 PM	44	5	12.00
4:30 PM	44	5	12.00

**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: Hone Land Pump & Water Telephone #: 443-846-8659
Address: 5414 A Arcadia Ave
Upper Co, 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# PI0161

*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: Toil Brothers Telephone #: 301-370-0835 - Brett
Subdivision: The Reserve at Trunkline Crossing Lot #: 110 Well Tag #: HO-95-0773
Site Address: 14629 Colb Ct
Glencig, MD 21737

<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: <input checked="" type="checkbox"/>
Model # <u>435AE 07 180</u>	Model #: <u>PA 80c</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>12</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>200</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

<u>Piping to house</u>	<u>House Connection</u>
Type: <u>SID R9 HOE PAE</u>	PVC sleeved to undisturbed soil at wall penetration: <input checked="" type="checkbox"/>
PSI: <u>160</u> (160 psi min)	Approximate length of sleeve (5 foot minimum): <u>6'</u>
Depth of supply line: <u>42'</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: 3/10/08

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

Date Insp. Requested: _____ Date Insp. Approved: 11/9/07 (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

3/21/07

Well site staked
by Benchmark

BB



BENCHMARK

ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS

ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE ▲ SUITE 418

ELLICOTT CITY, MARYLAND 21043

PHONE: 410-465-6105

FAX: 410-465-6644

EDGEWOOD FARM

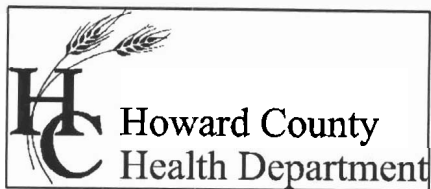
WELL LOCATION PLAN

LOT 16

F-06-108

SCALE: 1" = 50'

DATE: 10-10-06



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 20, 2008

Toll Brothers V, LP
7164 Columbia Gateway Drive, #230
Columbia, MD 21046

FAX SENT VIA FACSIMILE 410-489-2278

RE: Edgewood Farms, Lot 16
14629 Cory's Court
Glenelg, MD 21737
BP# B07003240
Well Tag #: HO-95-0773

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 01/22/2008. Final approval of the well line connection to the dwelling was approved on 11/9/2007.**

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-95-0773. 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: 04/24/08
Date of Well Completion: 03/23/07

Approving Authority,


Stuart Oster, R. S.

Well & Septic Program

cc: Building Inspector's Office
Community Health Services
File



TRACE LABORATORIES, INC
5 North Park Drive
Hunt Valley, MD 21030 USA
Telephone: 410/584-9099 / Fax: 410/584-9117
Website: www.trace-labs.com / Email: info@trace-labs.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: April 28, 2008

S/O#: 68080

The following information was provided by Home Land Septic Consulting:

Reference: Edgewood Farm @ the Reserve at Triadelphia Crossing
Lot #16
Glenelg, Maryland 21737

Well Information: HO-95-0773 2-Piece Cap
Field pH: 5.5 Units

Date/Time Sampled: April 24, 2008 at 4:00 pm
Date/Time Received: April 25, 2008 at 11:30 am

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:

<u>Parameter</u>	<u>Result</u>	<u>MCL</u>	
Total Coliform:	Absent	Absent	Pass
E. coli:	Absent	Absent	
Nitrate-N:	3.2 mg/L as N	10 mg/L as N	Pass
Turbidity:	<1.0 NTU	10 NTU	Pass

MCL=Maximum Contamination Level

Allison R. Milburn
Manager - Drinking Water Testing

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