DRILLER: REMOVE COPY AND RETAIN FOR YOUR RECORDS. RETURN COUNTY COPY TO COUNTY ENVIRONMENTAL AGENCY. SUBMIT COPY TO OWNER. RETURN ALL OTHER PARTS TO DEPARTMENT OF ENVIRONMENT, 2500 BROENING HIGHWAY, BALTIMORE, MARYLAND 21224.

4						
C 1 3972 SEQUENCE NO. (MDE USE ONLY)			STATE OF MARYLAND WELL COMPLETION REPORT	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.		
1 2 3 (THIS NUMBER IS TO BE IN COLS. 3-6 ON ALL CA			FILL IN THIS FORM COMPLETELY 9 PLEASE TYPE	COUNTY A517397		
ST/CO USE ONLY DATE Received	DATE WEL	L COMPL	ETED Depth of Well	PERMIT NO. FROM "PERMIT TO DRILL WELL"		
MM DD YY	OS .	DO Y	22 /80 26	HO 94 3760		
8 13	15		20 (TO NEAREST FOOT)	28 29 30 31 32 33 34 35 36 37		
OWNER	Revelle		Paul			
STREET OF RFD_	lest name (K)	on P	first name TOWN G/	enela		
SUBDIVISION_H	opkins Ci	oxe	SECTION	LOT 2		
	L LOG	W. College	GROUTING RECORD YES NO	3		
	for driven wells	Tay and	WELL HAS BEEN GROUTED (Circle Appropriate Box)	1 2		
STATE THE KIND OF FORM COLOR, DEPTH, THICKNE	MATIONS PENETRATED	, THEIR ARING	TYPE OF GROUTING MATERIAL (Circle one)	HOURS PUMPED (nearest hour)		
DESCRIPTION (Use additional sheets if needed)	FEET	check if water	CEMENT CM BENTONITE CLAY BC	CAM 88		
additional sheets if needed)	FROM TO	bearing	NO. OF BAGS 46 NO. OF POUNDS 245 46	PUMPING RATE (gal. per min.)		
		1	GALLONS OF WATER 150	METHOD USED TO 15		
JOP SOIL	0 2	100	DEPTH OF GROUT SEAL (to nearest foot)	MEASURE PUMPING RATE		
		. 3	from 0 ft. to 30+ ft.	WATER LEVEL (distance from local and south		
Sudy	2 60	4	48 TOP 52 54 BOTTOM 58 (enter 0 if from surface)	WATER LEVEL (distance from land surface)		
الم المار	7	1000	casing CASING RECORD	BEFORE PUMPING 17 ft.		
Cir / Charle	660 65	1	types CITI CIOI	1/ 20		
Sylvin John	3	May	insert appropriate STEEL CONCRETE	WHEN PUMPING 22 25 ft.		
MICKA	65 95	3:14	code below PL OT	TYPE OF PUMP USED (for test)		
0 15/1	- 95 100	U	MAIN Nominal diameter Total depth	A air P piston T turbine		
Street House	Service Control		CASING top (main) casing of main casing TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary O other (describe		
MICKA	100 180		16 6 75	C centrifugal R rotary (describe below)		
Michigan			60 61 63 64 66 70	J jet S submersible		
		1000	E OTHER CASING (if used) A diameter depth (feet)	27 27		
	,	1990	inch from to	DUMP INCTALLED		
			<u>C</u>	DRILLER INSTALLED PUMP YES NO		
W (V)		1241	771 21	(CIRCLE) (YES or NO)		
1		-	Ğ	IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.		
			screen type or open hole CTT DD	TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) 29		
		1226	insert STEEL BRASS OPEN	IN BOX 29.		
4		-	appropriate BRONZE HOLE	CAPACITY: 6 GALLONS PER MINUTE		
-		1	code below PL OT	(to nearest gallon) 31 35		
Property of	100000	1	PLASTIC OTHER	PUMP HORSE POWER 37 41		
NUMBER OF UNSUCCES	SSEUL WELLS:	0	C 2 DEPTH (nearest ft/)	PUMP COLUMN LENGTH (nearest ft.)		
HOMOLIN OF ONGOCCES	yes	no	110 23 / 180	43 47		
WELL HYDROFRACTURE		N	A 8 9 11 15 17 21	and enter casing height)		
CIPCLE APPR	ROPRIATE LETTER		C 2 H 20 00 00 00 00	49 LAND SURFACE		
A A WELL WAS ABAND	ONED AND SEALED		30 32 36 S	nearest)		
WHEN THIS WELL W			C 3 R 38 39 41 45 47 51	below) foot)		
	RTED TO PRODUCTIO	N	E STATE OF THE STA	A LOCATION OF WELL ON LOT		
WELL		100 5000	E SLOT SIZE 1 2 3	T SHOW PERMANENT STRUCTURE SUCH AS		
I HEREBY CERTIFY THAT THIS ACCORDANCE WITH COMAR 20 IN CONFORMANCE WITH ALL	R 04 04 "WELL CONSTRUC	"TION" AND	DIAMETER (NEAREST OF SCREEN INCH)	BUILDING, SEPTIC TANKS, AND /OR LANDMARKS AND INDICATE NOT LESS		
CAPTIONED PERMIT, AND THE HEREIN IS ACCURATE AND	AT THE INFORMATION I	PRESENTED	56 60	THAN TWO DISTANCES		
KNOWLEDGE.	<i>c</i>	5	from to	(MEASUREMENTS TO WELL)		
DRILLERS LIC. NO.	MSDI	(GRAVEL PACK IF WELL DRILLED MAY BY CANING MELL	No A Kodd		
DRILLERS SIGNATUR			WAS FLOWING WELL INSERT F IN BOX 68 68	10/18		
(MUST MATCH SIGNATUR			MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)	1 1 100		
LIC. NO. I	D	- 1	T (E.R.O.S.) W Q	will in line		
7	trul	17/24	70 72	10 20 W		
SITE SUPERVISOR (sig			TELESCOPE LOG 74 75 76	000		
responsible for sitework	if different from permi	ttee)	CASING INDICATOR OTHER DATA	The later of the second		

B 1 S 9 S SEQUENCE NO.	STATE OF	MARYLAND	STATE PERMIT NUMBER		
(WIDE USE OINLY)		DRILL WELL	HO -94 -3760		
1 2 3	5/9058 please pr		70 fill in this form completely 79		
Date Received (APA)	519038		LOGATION OF WELL		
O7/17/03 OWNER INFOR	MATION	B 3 Hown	EOGATION OF WELL		
8 MM DD YY 13	MIN (TON	8 COUNTY	21		
REVELLE PAUL		Hopkins	Choice		
15 Last Name Owner	First Name 34	23 SUBDIVISION	1 1 2 2 42		
36 Street or RFD	LA: 55	SECTION	LOT LOT		
Columbia MD.	> 101111	44 46	48 50		
	2 Zip 76	52 NEAREST TOWN	71		
DRILLER INFORMATION			7 4 11		
RALDH E MAYNE N	SDIID	MILES FROM TOWN (ent	er 0 if in town) M 1 73 76 77 78		
Driller's Name 76	License No. 81	B 4			
Firm Name E, MAYNE WE	ic Dries in	1 2 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)	11 NEAR WHAT ROAD 30		
112024 Handy B. 1 N	H Ain, M. 21201	N	ON WHICH SIDE OF ROAD		
Address	TI		(CIRCLE APPROPRIATE BOX)		
Jal & Mugue	July 3 2003		WESTS EAST		
Signature B 2 WELL INFORMATION	Date	(TOWN) E	34 50 37 SOUTH		
1 2 APPROX. PUMPING RATE —	5		DISTANCE FROM ROAD ENTER FT OR MI 38 39		
(GAL. PER MIN.) 8	Em 12	S _W I S _E	12 11		
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14	20	8-9 S 8-9	TAX MAP: BLK: PARCEL PARCEL		
USE FOR WATER (CIRCLE APP	PROPRIATE BOX)	NOT TO	O BE FILLED IN BY DRILLER		
DOMESTIC POTABLE SUPPLY & RESIDEN	TIAL	HEALT	H DEPARTMENT APPROVAL		
IRRIGATION		Howard 1	4517397 (13)		
F FARMING (LIVESTOCK WATERING & AGRIC IRRIGATION	CULTURAL	COUNTY NAME STATE	COUNTY NO.		
22 I INDUSTRIAL, COMMERICIAL, DEWATERIN	G	SIGNATURE	INSERT S →		
		DATE ISSUED	Olen mining		
		43 MM DD YY 48	CO SIGNATURE EXP. DATE		
T TEST, OBSERVATION, MONITORING		NORTH 522 0	000 EAST 80000		
G GEO-THERMAL		GRID 50	55 57 63		
		SHOW MAJOR FEATURE			
APPROXIMATE DEPTH OF WELL 150	FEET	BOX & LOCATE WELL - WITH AN X			
24	28 NEAREST	SOURCES OF DRILLING	WATER		
APPROXIMATE DIAMETER OF WELL	INCH	rell			
METHOD OF DRILLING	(circle one)	2.			
BORED (or Augered) JETTED	Jetted & DRIVEN	3.			
20	ROTARY (Hydraulic Rotary)	WRITE THE BOX NUMBE	R I I I I I I I I I I I I I I I I I I I		
37 CABLE REVerse-ROTary	DRive-POINT	FROM THE MAP HERE			
other		200	+		
REPLACEMENT OR DEEPEL	NED WELLS	E OOR	000		
(CIRCLE APPROPRIATE		500	000		
N THIS WELL WILL NOT REPLACE AN EXISTIN		N	W CHOWING LOCATION OF WELL IN		
THIS WELL WILL REPLACE A WELL THAT WAS ABANDONED AND SEALED	/ILL BE		V SHOWING LOCATION OF WELL IN FOWNS AND ROADS AND GIVE		
S THIS WELL WILL REPLACE A WELL THAT W		DISTANCE FROM WELL	TO NEAREST ROAD JUNCTION		
39 AS A STANDBY-CONTACT LOCAL APPROVING FOR POLICY ON STANDBY WELLS	NG AUTHORITY				
D THIS WELL WILL DEEPEN AN EXISTING WE	ú –				
PERMIT NUMBER OF WELL TO BE REPLACED OR		N AIC	Sol Kyon 1 Z		
(IF AVAILABLE) 41	52	A THE OTHER	DON JANA CONY		
Not to be filled in by driller (MDE OR CO	DUNTY USE ONLY)		the na		
APPROP. PERMIT NUMBER	G		Levi		
		The state of the s			
PERMIT No. #0 - 70 71 72	94 - 3760		elphis Ocl.		
SPECIAL CONDITIONS NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED			₩		

Page		of	
Date	Any	18	2003

Review _	OKKN					
	9/10/03					

FIELD DATA SHEET HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-3766 Location of property (road) Rich De				
Subdivision Hanking Chaice	Lot 3	Block	Plat	Sec.
Well Driller 2. Mayne		Paul Rev		48
Depth of well Distance of measuring point (M.P.) about the static water level (S.W.L.) below M.P.	ove ground	2"		
I. High rate pumping reservoir drawdown Time pump started 8:30 Total time 15 min to reach pumping	Pump	ping rate	o GPM	w M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

TIME (in 15 minute in- tervals	WATER LEVEL below M.P.		PUMPING RATE time to fill 5 gallon bucket		FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)		
8:30	42	A.	6	Sec		10	GPM	
					Test Stanted			
8:45	45	F	6	Sec		10	GPM	
91,00	45	A	6	Sec		10	Spen	
9;15	45	F	6	See		10	GAN	
5:30	45	1	6	1,		10	1,	
9:45	45	7	6	1,		10	11	
10:00	45	9	6	1)		10	N	
101.15	45	ft	6	Sec		10	Sem	
10:30	415	11	6	Sec		10	CPM	
10:45	45	F	6	Sec		10	GPM	
11,00	45	11	6	11		10	1,	
11:15	45	11	6	1)		10	11	
11:30	45	11	6	Sec		10	Gem	
-1145	45	4	6	Sec		10	61m	
1200								
1245								
1230								
1995								

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. Dalling UC Telephone #: 443-609-4195 Company Name: Address: (Licensed Well Driller (Must circle one) Licensed Plumber Licensed Well Pump Installer License # and name of individual responsible for the field installation: Name (Print): Allen Camples *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 - 320 - 0223 (6kgelo Estats) Lot#: 2 Well Tag #: HO -94 - 3060 Subdivision: 3905 Ryan DE Site Address: Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit Make: Campbul Make: Goundies Two piece watertight cap: Yes Model#: NA Screened, vented well cap: ye! Model #: 1550507-180 Depth: 36" Cap secured to casing: yes Pump Capacity **GPM** (36" min) Well Yield: 20 GPM NSF/WSC approved: YES Conduit min 18" B.G.: YES

Depth of well encountered at time of pump installation: 160 (feet) Conduit secured to well cap: YES 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 A/A House Connection Piping to house Type: | "Olock Plaske PVC sleeve to undisturbed soil at wall penetration: PSI: 160 (160 psi min) Length of sleeve(5' minimum from foundation): (36" min) Sleeve sealed properly: VP5 Depth of supply line: 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 For Health Department Use Only - Not to be completed by Installer Date Insp. Requested: Date Insp. Approved: Inspector. 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

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH WATER AND SEWERAGE PROGRAM TEL: (410)313-2640 FAX: (410)313-2648

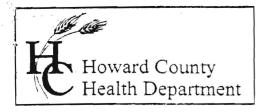
Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

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. Telephone #: Company Name: Address: (Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer License # and name of individual responsible for the field installation: Name (Print): License# *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: Lot #: 2 Well Tag #: HO - 94- 3760 Subdivision: Site Address: 13 905 Ryon Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit Make: Two piece watertight cap:

Model#: Screened, vented well cap:

Depth: (36" min) Cap secured to casing: Make: Model #: Pump Capacity ____ Well Yield: GPM NSF approved: Conduit min 18" B.G.: Depth of well encountered at time of pump installation: (feet) Conduit secured to well cap: 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 PVC sleeved to undisturbed soil at wall penetration: Type: ____ PSI: ____(160 psi min) Approximate length of sleeve: _____
Depth of supply line: ___(36" min) Sleeve caulked and sealed properly: ____ 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 date For Health Department Use Only - Not to be completed by Installer Date Insp. Approved: 326/201 Date Insp. Requested: 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



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

TO ALL INTERESTED PARTIES

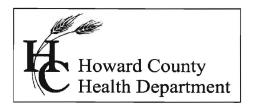
When submitting a well permit application for a proposed well for new construction, please indicate one of the following:

- The well site has been staked by _______ C. Mellewa, \$5 , (professional land surveyor or company employing professional land surveyors) on _______ (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.

Let I BEF RYON DR.

Revised 6/10/03



Bureau of Environmental Health

7178 Gateway Drive (410) 313-2640 TDD (410) 313-2323

Columbia, MD 21046 Fax (410) 313-2648 Toll Free 1-866-313-6300

website: www.hchealth.org

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

INTERIM CERTIFICATE OF POTABILITY

Expiration Date – November 30th, 2012

May 30th, 2012

Homeowner 13905 Ryon Drive Glenelg, MD 21737

RE:

Hopkins Choice, Lot 1

13905 Ryon Dr.

Building Permit: B11000211 Well Permit: HO-94-3760

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 4/4/2012. Final approval of the well line connection to the dwelling was granted on 3/26/2012. The well construction was completed on 8/18/2003. Water samples were collected on 5/18/2012.

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-94-3760. 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,

Heldi Scott, R.S. Environmental Sanitarian Well & Septic Program

cc: Howard County Dept

Howard County Dept. of Inspections, Licenses, and Permits

Community Hygiene Program

File

NTAIN VALLEY ANALYTICAL LABORATORY, INC.

1413 Old Thineytown Rd: Westminster, MD (410) 848-1014 (410) 876-4554 FAX (410) 848-0298

REPORT OF ANALYSIS

Laboratory ID #:

84431

Account #:

1930

Reference:

Toll Brothers Lot 2

Company:

Fogle's Well Drilling

Location:

13905 Ryon Drive

Requested By: Dave Fogle

Glenelg, MD 21737 1300

Source:

Well Water

Date/ Time Collected: 5/18/2012 Date/Time Rec'd:

5/18/2012

1625

Site: Treatment: Kitchen Sink Tap None

Chlorine ppm:

Free: ND

Total: ND

pH:

6.0

Collected By:

J. Fogle

1974JF Well #: HO-94-3760

11 1	DAMETERS.		RESULTS	UNITS REI	FERENCE	METHOD D	ATE/TIME/ANALYST
Bac	toria, Coliformi	otal, MPN	<1,0	MPN/ 100 ml	<1.0	SM18 9223	5/19/2012 / 1030 / CCH
	teria, E. coli, Mi		<1.0	MPN/ 100 ml	<1.0	SM18 9223	5/19/2012 / 1030 / CCH
Niti			7.47	mg/L	10	601	5/18/2012 / 1700 / CCH
	bidity		2.05	NTU	<10	SM18 2130B	5/18/2012 / 1635 / JKW
0 231.30			NS	mg/L	5	Visual/Gravimetric	5/18/2012 / 1630 / CCH
San	a		140	1115,123			

Results OK 5-30-12-148

NOTES

1

- mg/L milligrams per liter (also, parts per million)
- 00 ml = Most Probable Number [of viable bacteria] per 100 ml of sample. 2
- NS = 1 one Scen (NS indicates less than 5 mg/L) 3
- NTU Nephelometric Turbidity Units 4
- Result less than or within the reference range are considered satisfactory and within potable water limits at the time of 5 sampling.
- ND:N ne Detected 6
- Sample collected by client, analyzed as received 7
- pH & Inlorine level tested in lab

Reason for lest:

Use & Occupancy

Building Permit #:

B11000211

Date Reported:

5/24/2012