	NCE NO. SE 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 PUNCHED IN COLS, 3-6 ON ALL CARDS)		FILL IN THIS FORM COMPLETELY PLEASE TYPE	COUNTY NUMBER	
	ELL COMPL	ETED Depth of Well	PERMIT NO. FROM "PERMIT TO DRILL WELL"	
DATE Received	01 200	6 22 300 26 01	HO 95 0334	
8 13 15		20 (TO NEAREST FOOT)	28 29 30 31 32 33 34 35 36 37	
OWNER Elm St	reet Dev	elopment	9	
OTTILL	vey Lane	8.7	Woodstock	
The SAMA Annual College of the Colle	brook Fa		LOT 4	
WELL LOG		GROUTING RECORD WES NO	C 3	
Not required for driven wells		WELL HAS BEEN GROUTED VINI	1 2	
STATE THE KIND OF FORMATIONS PENETRA' COLOR, DEPTH, THICKNESS AND IF WATER	TED, THEIR	(Circle Appropriate Box)  TYPE OF GROUTING MATERIAL (Circle one)	PUMPING TEST 2	
	BEARING	CEMENT CM BENTONITE CLAY BC	HOURS PUMPED (nearest hour)	
DESCRIPTION (Use additional sheets if needed) FROM   To	if water	- Insulation	17.00	
	1	NO. OF BAGS 45 NO. OF POUNDS 345	PUMPING RATE (gal. per min.)	
	40	GALLONS OF WATER 45	METHOD USED TO	
Gray Rock 40 3	00 x	DEPTH OF GROUT SEAL (to nearest foot)	MEASURE PUMPING RATE SUSPESSIBLE	
		from 48 TOP 52 ft. to 54 BOTTOM 58	WATER LEVEL (distance from land surface)	
1001		(enter 0 if from surface)	BEFORE PUMPING UL tt.	
water at 103' & 110'	1 1750	casing CASING RECORD	BEFORE PUMPING 17 10 ft.	
A CONTRACTOR OF THE		types insert ST CO	WHEN PUMPING 255 ft.	
		appropriate code STEEL CONCRETE		
		below PLSTIC OTHER	TYPE OF PUMP USED (for test)	
ALC: NO.		MAIN Nominal diameter Total depth	A air P piston T turbine	
		CASING top (main) casing of main casing	27 27 27 other	
		TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary (describe below)	
		60 61 63 64 66 70		
			J jet S submersible	
		C OTHER CASING (if used) C diameter depth (feet)		
		H inch from to	PUMP INSTALLED	
	AT PERSON		DRILLER INSTALLED PUMP YES NO	
		N O V	(CIRCLE) (YES or NO)	
		G	IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.	
THE PARTY OF THE PARTY OF		screen type SCREEN RECORD	TYPE OF PUMP INSTALLED	
	4	or open hole ST BR HO	PLACE (A,C,J,P,R,S,T,O) 29 IN BOX 29.	
		Insert STEEL BRASS OPEN	CAPACITY:	
		code   DIII DIE	GALLONS PER MINUTE	
		below PLASTIC OTHER		
			PUMP HORSE POWER  37 41	
NUMBER OF UNSUCCESSFUL WELLS:	0	C 2 DEPTH (nearest ft.)	PUMP COLUMN LENGTH	
The state of the s	no	140 US 300	(nearest ft.) 43 47	
WELL HYDROFRACTURED Y	N	A 8 9 11 15 17 21	CASING HEIGHT (circle appropriate box and enter casing height)	
		C 2	LAND SURFACE	
CIRCLE APPROPRIATE LETTER  A WELL WAS ABANDONED AND SEALE		23 24 26 30 32 36 S	[   (negreet)	
WHEN THIS WELL WAS COMPLETED		Ca	below (nearest) foot)	
P TEST WELL CONVERTED TO PRODUCT	TION	E	49 50°51	
F WELL		E SLOT SIZE 1 2 3	A LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS	
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CO ACCORDANCE WITH COMAR 26.04.04 "WELL BONSTI IN CONFORMANCE WITH ALL CONDITIONS/BTATED	RUCTION" AND	DIAMETER (NEAREST	BUILDING, SEPTIC TANKS, AND /OR	
CAPTIONED PERMIT, AND THAT THE INFORMATION HEREIN IS ACCURATE AND COMPLETE TO THE	N PRESENTED	OF SCREEN 56 60 INCH)	THAN TWO DISTANCES	
KNOWLEDGE.		from to	(MEASUREMENTS TO WELL)	
DRILLERS LIC. NO.1 M S. D.L.	6.2	GRAVEL PACK	11901	
700/		WELL DRILLED WAS FLOWING WELL	Tarities Tarities	
DRILLERS SIGNATURE		INSERT F IN BOX 66 68	20.7	
(MUST MATCH SIGNATURE ON APPLICATION)		MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)	6	
LIC. NO. MA GO I Lale 1		T (E.R.O.S.) W Q	CEN.	
Dans Halo		70	200, €	
SITE SUPERVISOR (sign. of driller or journ		70 72 74 75 76		
responsible for sitework if different from per		TELESCOPE LOG CASING INDICATOR OTHER DATA	/	

B 1 6452 SEQUENCE NO. (MDE USE ONLY)		FMARYLAND	1	IN OF ADDIT
1 2 3 6	ala	PERMIT TO DRILL WEL	L 70	10-42-0334
	524360 PRE			fill in this form completely
Date Received (APA)  3 17/06  8 WW DO 14 13  OWNER INFOR	MATION	B 3 Howard	LOCATIO	N OF WELL
Elm Street Development 15 Last Name Owner	First Name 34	Saddlebro 23 SUBDIVISION	ook Farm	42
5094 Dwrsey Hall Drive, Street or RFD	Suite 104	SECTION 44 46	LOT L	4 J
Ellicott City M 57 Town 70 State 7	21042 J	Woodstock 52 NEAREST TOWN		71
DRILLER INFORMATION Michael D. Isom	S n 162	MILES FROM TOWN (en	ter 0 if in town	0 M 1
Driller's Name 76 G. Edgar Harn Sons' Cor	License No. 81	B 4	Car	vey Lane
Firm Name 12047 Fall Road, Cocker		DIRECTION OF WELL FROM TOWN (CIRCLE BOX)	11	NEAR WHAT ROAD 30
Address M4	2/20/06	8 1 8-9		E APPROPRIATE BOX)
Signature B 2 WELL INFORMATION	Date 5	W TOWN E		34 37 SOUTH DISTANCE FROM ROAD
7 2 APPROX. PUMPING RATE (GAL. PER MIN.) 8  AVERAGE DAILY QUANTITY NEEDED	750 12	Sw 5 8-9	TAX MAP:	BLK: 13 PARCEL 3
(GAL PER DAY) 14  USE FOR WATER ICIRCLE APP	PROPRIATE BOX)			ED IN BY DRILLER
DOMESTIC POTABLE SUPPLY & RESIDEN		HOWARD	(13	3) AS16525
F FARMING (LIVESTOCK WATERING & AGRIC IRRIGATION  22   INDUSTRIAL COMMERCIAL DEWATERIN		STATE SIGNATURE	11	COUNTY NO.
P PUBLIC WATER SUPPLY WELL		DATE ISSUED 1 4/0/06 43 MW 00 VV 48	Schie	ALES 4/11/07
T TEST, OBSERVATION, MONITORING G GEO-THERMAL		NORTH CUL	E/	837 000 57 63
APPROXIMATE DEPTH OF WELL 250	) FEET	SHOW MAJOR FEATURE BOX & LOCATE WELL - WITH AN X		5/31/06
APPROXIMATE DIAMETER OF WELL	NEARES INCH	SOURCES OF DRIFTING	WATER	Rodium Somple
METHOD OF DRILLING	THE RESERVE OF THE PARTY OF THE	2.		Taken 5
37	Jetted & DRIVEN IOTARY (Hydraulic Flotary)	WRITE THE BOX NUMBE	ER .	4
other REVerse-ROTary	DRive-POINT	FROM THE MAP HERE	12	_ / @
REPLACEMENT OR DEEPEI (CIRCLE APPROPRIATE	BOX)	: 54A	1-	000
THIS WELL WILL NOT REPLACE AN EXISTING ABANDONED AND SEALED		DRAW A SKETCH BELOV		
39 S THIS WELL WILL REPLACE A WELL THAT WAS A STANDBY-CONTACT LOCAL APPROVIN		DISTANCE FROM WELL		
THIS WELL WILL DEEPEN AN EXISTING WE PERMIT NUMBER OF WELL TO BE REPLACED OR			4	
(IF AVAILABLE) 41	52	A	_	0
	0500910		CAVE	2 Y LANE
PERMIT No. 70 77 72	95-0334	Way .		
SPECIAL CONDITIONS	THE VIEW STREET			

COTY ANTHONIAN AUTHORITES SPONITI USE SEPANATE SHEET & NEUTED

# HARR WELL DRILLING

12047 FALLS ROAD COCKEYSVILLE, MD 21030 410-252-4588

## HOWARD COUNTY YIELD TEST REPORT

Date Test Performed: 5-31-06

Address: Cavey Lane

Owner Name: Elm Street Devel

Well Depth: 300 Ft

Permit Number: HO-95-0334

Subdivision: Saddlebrook Farm L#4

Election District:

Static Water Level: 46 Ft

Time	Water Level	PSI Existing Pump	Pumping Rate Seconds to fill 5gallon bucket	Calculated Flow-Gallons Per Minute
0815	46 ft		17 sec	17.64
0830	112		17	17.64
0845	113		18	16.66
0900	114		18	16.66
0915	125		20	15.00
0930	145		20	15.00
0945	196		20	15.00
1000	_215			13.63
1015	232 ₩		<u> 22</u> 24	12.50
1030	255		24	12.50
1045	255		24	12.50
1100	255		24	12.50
1115	255		24	12.50

7/5/06 yield test results
obviously inaccurate/
tested improperly
Yield is adequate
However; approval is granted.
Called G. Edgar Harr
to notity of this.

Page of			Review _	
Date				
		FIELD DATA	SHEET	
		HOWARD COUNTY WEI	LL YIELD TEST	
Well Permit No	. но -			
Location of pr	operty (road)			
Subdivision		Lot	Block Plat	Sec
Well Driller _		Ow1	ner	
	e of measuring p	oint (M.P.) above of .L.) below M.P.	ground	
	pumping rese		A	
Time pum	p startedto	reach numping wate	Pumping rateft.	helow M.P.
10011		zeach pamping mace		
II. Recovery	pump test data -	observations to be	e recorded every 15 minu	tes
TIME (in 15 minute in- tervals	WATER LEVEL below M.P.	PUMPING RATE time to fill 5 gallon bucket	FLOW METER READING (if used)	(gallons per minute)
11:30		2052	-	15 7pm
				10
				E.
*				
	AMEN'ES A			2 2

## 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 co with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD W	Yell
Construction Regulations). Submission of a complete form is required prior to Use and Occupancy appr	oval.
Company Name: Rebert L. Ferzer Co. Juc Telephone #: 410 - 781-4655	
SAK 620 TH WO	
(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer	12
License # and name of individual responsible for the field installation:	
Name (Print): Rahler L. Fig. 22.	
supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification.	
Name of Property Owner: NV Hownes Telephone #: 410-379-5956	_
Subdivision: Sadd R brook Farm . Lot #: 4 Well Tag #: HO 95-0339 Site Address 1015 3 Sadd b 188 Farm That	,
Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit	-
Make: Sta Rife Make: Campbell Two piece watertight cap: V	9
Model #: 57 P9 H S 07 d 2) Model#: PT 800 Screened, vented well cap:	34
Pump Capacity 7 GPM Depth: (36" min) Cap secured to casing	
Well Yield 2.5 GPM NSF approved Conduit min 18" B.G.: V  Depth of well encountered at time of pump installation 300 (feet) Conduit secured to well cap: V	*
If pump capacity exceeds well yield, a low syster cut off switch is required by NSPC 1990 Section 17.8.4	17
Torque arrestors of Cable guards are required - Must circle one	7.1
Safety rope, if used, attached to inside of well casing with eye bolt	4
Piping to house House Connection	
Type: Poly  PVC sleeved to undisturbed soil at wail penetration:  Approximate length of sleeve: 10	
Depth of supply line: 10: (36" min) Sleeve caulked and sealed properly:	*
The water supply line is required to be at least ten feet from the septic tank, pomp chamber, sewage piping distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.	, or
1d+1 tes 8/25/10	
Signature of company representative responsible for installation date	
For Health Department Use Only - Not to be completed by Installer.	-
	4.2
Date Insp. Requested: Date Insp. Approved:	- 5
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	

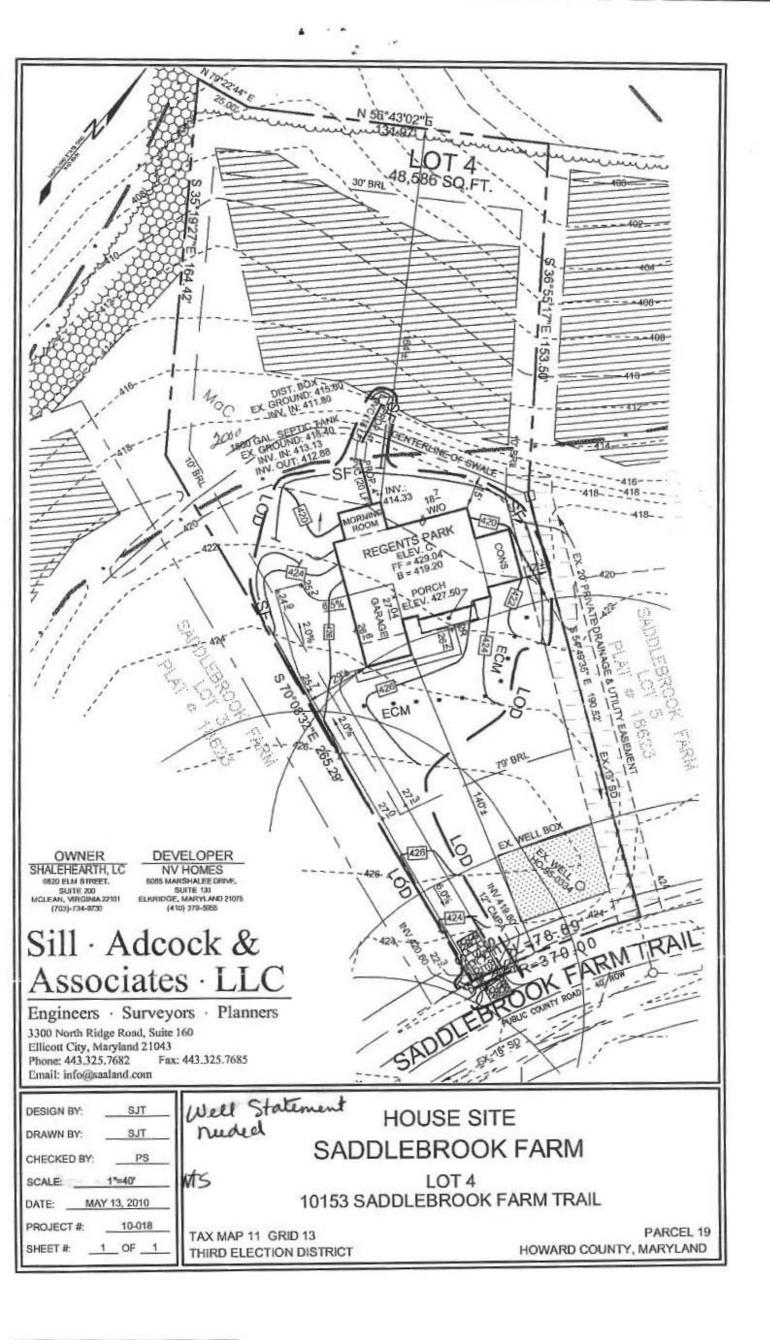
## HOWARD COUNTY HEALTH DEPARTMENT BUREAU OF ENVIRONMENTAL HEALTH WATER AND SEWERAGE PROGRAM

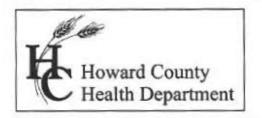
TEL: (410)313-2640 FAX: (410)313-2648

## 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.

	a; -	Telepho	me #:
License # and n Name (Print):_ *A licensed ind	lividual must perform	onsible for the field installation the actual installation. A	License# pprentices must be under the direct
	a licensed journeyma ld verification.	n or master plumber, pump	installer or well driller. Licenses may be
Name of Proper	ty Owner;	Tele	phone #:
Subdivision:	Sadd	Lot	#: 4 Well Tag #: HO - 95 - 0334
Site Address: //	0153 Saddle	brook Farm Tr.	
Submersible Pr	ump Data	Pitless Adapter	Well Cap and Electric Conduit
Make:		Make:	Two piece watertight cap:
Model #		Model#	Screened, vented well cap:
Pump Capacity	GPM	Depth (36" min)	
Well Yield:		NSF approved:	Conduit min 18" B.G.:
Depth of well e:	acountered at time of p	eump installation:(feet)	Conduit secured to well cap:
			equired by NSPC 1990 Section 17.8.4
		equired - Must circle one	
Safety rope, if	ised, attached to insi-	de of well casing with eye bo	lt
Piping to bouse		House Connection	
Type:			arbed soil at wall penetration:
PSI: (160	psi min)	Approximate length of	
	line:(36" min)	Sleeve caulked and sea	
distribution box	oly line is required to x, drainfields, and se to installation.	be at least ten feet from the wage reserve area. If this <u>c</u>	septic tank, pump chamber, sewage piping, annot be accomplished, contact this office for
Signature of con	npany representative re	esponsible for installation	date
	For Health Dep	eartment Use Only - Not to	be completed by Installer
Date Insp. Requi	ested	Date Insp. A	Approved Bla ho Lo(PR)
THE RESIDENCE THE PROPERTY OF THE RESIDENCE OF THE RESIDE	Pitless adapter and w Two piece cap install Elec. conduit extend Safety rope installed Correct well tag and Water supply line sle	rater supply line at least 36" be led and attached to casing sec s at least 19" below graduates inside of well casing ched properly and casing 8" a seved adequately at house cor rved below pitless adapter	bove finished grade





7178 Columbia Gateway Drive, Columbia Maryland 21046 (410) 313-1771 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

September 14, 2010

Homeowner 10153 Saddlebrook Farm Trail Lot# 4 Glenwood, MD 21163

RE: 10153 Saddle brook FarmTrail Lot# 4

Glenwood, MD 21 163 BP #: B10001488

Well Permit # HO-95-0334

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 08/03/2010. Final approval of the well line connection to the dwelling was approved on 08/02/2010.

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-95-0334. 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: Date of Well Completion: 05/31/2006 06/01/2006

Approving Authority, Onna Bernard

Dana Bernard

Well & Septic Program

cc:

Building Inspector's Office Community Health Services

File



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

#### Penny E. Borenstein, M.D., M.P.H., Health Officer

June 26, 2006

Shalehearth L.C. 6820 Elm Street Suite 200 McLean, Virginia 22101

> RE: Saddlebrook Farm Lot 4 Well Tag: HO-95-0334

To Whom It May Concern:

A sample was collected from a yield test on May 31, 2006 and submitted to GPL
Laboratories to assess the possible presence of Gross Alpha and Gross Beta in the future well
water supply. Gross Alpha and Gross Beta measure the total alpha and beta particle activity in a
water supply. In turn, this can provide information regarding naturally occurring radiation (i.e.,
Radionuclides) that may exist in your area of development within the County.

Results from this screening revealed a Gross Alpha of  $9.4 \pm 2.4$  picocuries/liter (pCi/L); while the Gross Beta level was  $10.9 \pm 1.8$  pCi/L. Both the Gross Alpha and Gross Beta were below the maximum contaminant levels (MCL's) of 15 pCi/L and 50 pCi/L respectively. At the time of testing and with respect to these parameters, the future well water supply appears safe for all uses. No additional testing for these parameters will be required to secure the future Use & Occupancy. However, other standard (potability) testing will still be necessary.

A copy of the test results is enclosed for your information. Please call this office at 410-313-1773 if you have any further questions.

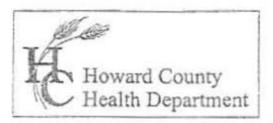
Sincerely.

Bert Nixon, Deputy Director Bureau of Environmental Health

cc: Eric Dougherty, MDE Water Mgmt., Groundwater

Well & Septic File

Zac Fish; FSH Associates, 8318 Forrest St., E.C., MD 21043



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

## ATTENTION WELL DRILLERS!!!

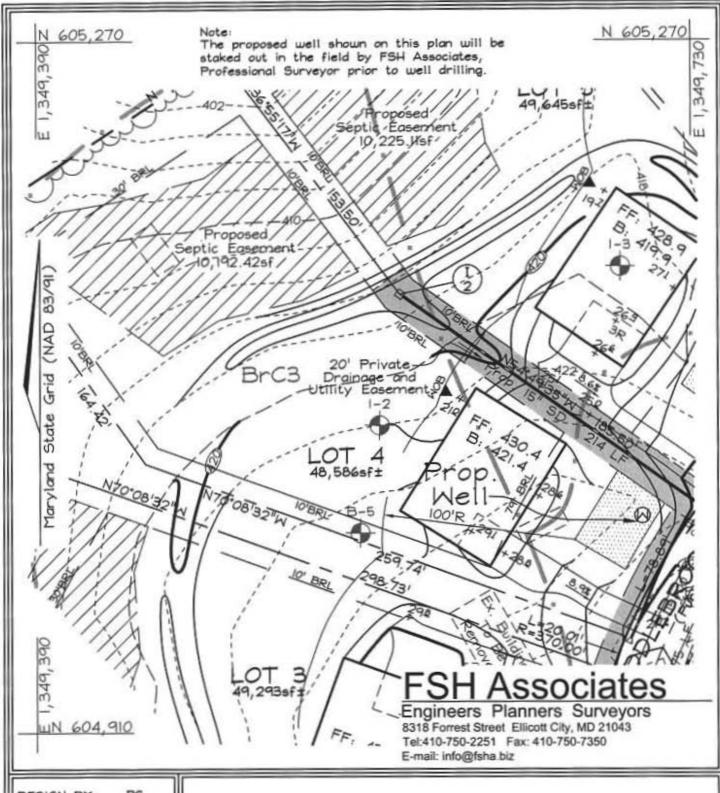
When submitting a well application for a new or replacement well, please indicate one of the following:

		aked by FSH Inc
on Saddlebroom	ok them	_ and is ready for site inspection.
Q		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





DESIGN BY: PS

DRAWN BY: CD

CHECKED BY: ZYF

SCALE: 1"=50'

DATE: Mar. 13, 2006

W.O. No.: 3165

SHEET No. 1 3 OF 11

# WELL PERMIT PLAN SADDLEBROOK FARM

LOT 4

TAX MAP II GRID 13 3RD ELECTION DISTRICT PARCELS 19 # 32 HOWARD COUNTY, MARYLAND

## Sill • Adcock & Associates • LLC

Engineers · Surveyors · Planners

TO: NV HOMES  ATTENTION: RYAN JOHNSON		DATE: PROJECT NO: 10-018  RE: SADDLEBROOK LOT 4  RECEIVED		
THE FOLL	OWING ITEMS:	UNDER SEPARATE COVER  PUTATIONS DESCRIPTI S COPY OF LETTER		
VIA:	MAIL BY HAND MESSEI  DESCRIPTION  PLOT PLANS, with note added for the			
□FOR AF	RE TRANSMITTED AS CHECKED BELOW	AS APPROVED BY		
□FOR RE	EVIEW	AS SUBMITTED FOR APPROV	AL TO:	
CAS REC	72	PLEASE RETURN TO US AFTE	ER USING	
	SURES ARE NOT AS NOTED, KINDLY NO	Dave Harward, Planning Manage	er .	

from fim Kenun 443-309. 7292

. .