

6550

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 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

COUNTY NUMBER A522414

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well 22 505 26

PERMIT NO. FROM "PERMIT TO DRILL WELL" 70-94-4194

OWNER, STREET OR RFD, TOWN, SUBDIVISION, SECTION, LOT

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Rows include Dirt, Soft Br. Schist, Hard Blue Mica Schist, etc.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y/N), TYPE OF GROUTING MATERIAL (CM, BC), NO. OF BAGS, NO. OF POUNDS, GALLONS OF WATER, DEPTH OF GROUT SEAL

CASING RECORD

Diagram of casing types (ST, CO, PL, OT), MAIN CASING TYPE, Nominal diameter, Total depth of main casing

OTHER CASING (if used)

Table for OTHER CASING with columns: diameter inch, depth (feet) from, to

SCREEN RECORD

Diagram of screen types (ST, BR, HO, PL, OT), screen type or open hole, insert appropriate code below

DEPTH (nearest ft.)

Table for DEPTH with columns: 1-11, 15-17, 21-23, 26-28, 32-34, 38-40, 44-46, 50-52

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

70 TELESCOPE CASING 72 LOG INDICATOR 74 75 76 OTHER DATA

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 6, PUMPING RATE (gal. per min.) 2, METHOD USED TO MEASURE PUMPING RATE submersible, WATER LEVEL (distance from land surface) BEFORE PUMPING 71 ft, WHEN PUMPING 401 ft, TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP (YES/NO), 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) + above, - below, LAND SURFACE (nearest foot) 2

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)

NUMBER OF UNSUCCESSFUL WELLS: 1

WELL HYDROFRACTURED (Y/N)

CIRCLE APPROPRIATE LETTER: A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED, E ELECTRIC LOG OBTAINED, P TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS LIC. NO. 1 M WD 256, Dana Kyser Jr., II, DRILLERS SIGNATURE

LIC. NO. 1 MW D 296, Ron Kyser

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

B 1 2788

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type

STATE PERMIT NUMBER

40-94-4194 fill in this form completely

522407

Date Received (APA) 04/19/05

OWNER INFORMATION

Schtemp Robert 6891 HAVILAND Mill Rd CLARKVILLE Md 21029

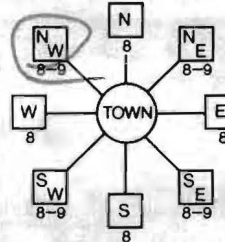
B 3 LOCATION OF WELL

Howard Schrup Prof CLARKVILLE 4 MILES FROM TOWN

DRILLER INFORMATION

DANA KIRK TRT M D 256 Westminster Retiree Well Drilling Inc P.O. Box 861 Westminster, Md, 21157

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



HAVILAND Mill Rd NEAR WHAT ROAD ON WHICH SIDE OF ROAD DISTANCE FROM ROAD 40 FT TAX MAP: 40 BLK: 1 PARCEL 7

B 2 WELL INFORMATION

APPROX. PUMPING RATE 5 APPROX. PUMPING RATE (GAL. PER MIN.) AVERAGE DAILY QUANTITY NEEDED 400 (GAL. PER DAY)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard AS 22 414 COUNTY NAME COUNTY NO. STATE SIGNATURE DATE ISSUED 5/21/05 CO SIGNATURE EXP. DATE 5/20/05 NORTH GRID 491 000 EAST GRID 801 000

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 GEO-THERMAL

APPROXIMATE DEPTH OF WELL 300 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST

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 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 DEEPEMED AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

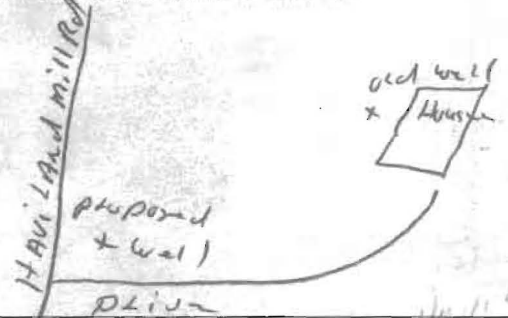
- CITY

WRITE THE BOX NUMBER FROM THE MAP HERE

E 8081 N 4981

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

N



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

APPROP. PERMIT NUMBER G PERMIT No. 40-94-4194

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-4194
 Location of property (road) Hawiland M.H Rd
 Subdivision Schram Prop Lot 4 Block 1 Plat 40 Sec. 7
 Well Driller Westminster Rotary Owner Robert Schram

Depth of well 505 feet
 Distance of measuring point (M.P.) above ground 2 feet
 Static water level (S.W.L.) below M.P. 71 feet

I. High rate pumping -- reservoir drawdown

Time pump started 7:30 Pumping rate 12GPM
 Total time 3hr to reach pumping water level 425 ft. below M.P.

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

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill $\frac{1}{2}$ 1 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
7:30	71'	5 sec.		12
7:45	117'	6 sec.		10
8:00	175'	6 sec.		10
8:15	232'	7 sec.		8.5
8:30	271'	7 sec.		8.5
8:45	320'	7 sec.		8.5
9:00	366'	8 sec.		7.5
9:15	398'	8 sec.		7.5
9:30	406'	10 sec.		6
9:45	411'	12 sec.		5
10:00	417'	15 sec.		4
10:15	423'	15 sec.		4
10:30	425'	30 sec.		2
10:45	424'	30 sec.		2
11:00	423'	30 sec.		2
11:15	422'	30 sec.		2
11:30	421'	30 sec.		2
11:45	420	30 sec.		2
12:00	419'	30 sec.		2
12:15	418'	30 sec.		2
12:30	417'	30 sec.		2
12:45	416'	30 sec.		2
1:00	415'	30 sec.		2
1:15	414'	30 sec.		2
1:30	413'	30 sec.		2

MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION
 2500 BROENING HIGHWAY, BALTIMORE, MARYLAND 21224, (410) 631-3784

 WATER WELL ABANDONMENT-SEALING REPORT FORM

SUBMIT COPIES OF COMPLETED FORM TO:

- * COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- * WELL OWNER
- * MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: June 6, 2005 (month/day/year)

*****RY WELL*****

HD 94 4194

* PERMIT NUMBER OF ABANDONED WELL (if any)

* PERMIT NUMBER OF REPLACEMENT WELL

* PERSON ABANDONING WELL: Ronald Kyker

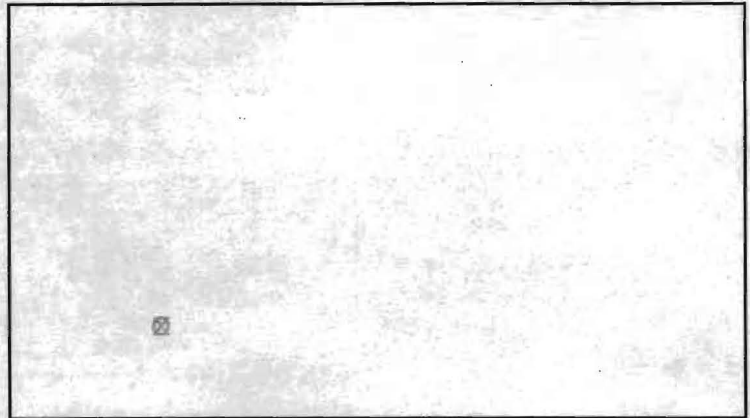
WELL DRILLERS LICENSE NUMBER: MWD296

CIRCLE: MWD/MSD/MGD

* OWNER'S NAME: Robert Schrap

SITE LOCATION MAP

* WELL LOCATION:
 COUNTY: Howard
 NEAREST TOWN: Clarksville
 TAX MAP 40 BLOCK 1 PARCEL 7
 SUBDIVISION: Schrap Property
 SECTION: _____ LOT: 4
 NEAREST ROAD: Haviland Mill Road



*****RY WELL*****

* TYPE OF WELL BEING ABANDONED:

- DRILLED JETTED
- BORED/AUGERED HAND DUG
- OTHER (specify) _____

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
Gravel (1222 lbs) Well Cuttings	0 25	25 405
VOLUME OF MATERIAL USED		

* USE CODE:

- DOMESTIC MUNICIPAL/PUBLIC
- IRRIGATION INDUSTRIAL
- TEST/OBSERVATION GEOTHERMAL

* TYPE OF CASING:

- STEEL PLASTIC
- CONCRETE OTHER (specify) RCPE

* SIZE OF CASING: n/a INCHES IN DIAMETER

* DEPTH OF WELL: 405 FEET DEEP

* WAS ANY CASING REMOVED? YES NO
 if yes, length removed, in feet: _____

* WAS CASING RIPPED OR PERFORATED? YES NO

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN: Ronald Kyker LICENSE # MWD296 CIRCLE ONE MWD/MSD/MGD DATE 6-6-05

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: District Clean's Equip. Telephone #: 202-223-7616
Address: 4424 Arkansas Ave NW
Washington DC 20011

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:

Name (Print): FRANK EMANUEL JR License# 24866

*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: Bob Schimp Telephone #: 301-854-3922
Subdivision: _____ Lot #: 4 Well Tag #: HO-94-4124
Site Address: 6891 Haviland Mill Rd.
Higglemd md 20777

Submersible Pump Data	Pitless Adapter	Well Cap and Electric Conduit
Make: <u>Goolds pumps</u>	Make: <u>Campbell</u>	Two piece watertight cap: <u>Yes</u>
Model #: <u>72 43009203</u>	Model#: <u>B-300X</u>	Screened, vented well cap: <u>Yes</u>
Pump Capacity <u>5</u> GPM	Depth: <u>4 feet</u> (36" min)	Cap secured to casing: <u>Yes</u>
Well Yield: <u>2</u> GPM	NSF/WSC approved: <u>Yes</u>	Conduit min 18" B.G.: <u>Yes</u>
Depth of well encountered at time of pump installation: <u>505</u> (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 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

Piping to house	House Connection
Type: <u>CRES line</u>	PVC sleeve to undisturbed soil at wall penetration: <u>Yes</u>
PSI: <u>200</u> (160 psi min)	Approximate length of sleeve: <u>10 feet</u>
Depth of supply line: <u>42</u> (36" min)	Sleeve caulked and 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.

Sean J. [Signature] 8-29-05
Signature of company representative responsible for installation date

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

Date Insp. Requested: N/A Date Insp. Approved: 8/25/05 Inspector: GAC
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 seen 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 ✓

recopied
by
KN
on 10/27/05

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

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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 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: Schrimp Telephone #: _____
Subdivision: 6891 Lot #: 4 Well Tag #: HO - 99-9194
Site Address: HAVILAND MILL RD

Submersible Pump Data

Make: _____
Model #: _____
Pump Capacity _____ GPM
Well Yield: _____ GPM

Pitless Adapter

Make: _____
Model#: _____
Depth: _____ (36" min)
NSF/WSC approved: _____

Well Cap and Electric Conduit

Two piece watertight cap: _____
Screened, vented well cap: _____
Cap secured to casing: _____
Conduit min 18" B.G.: _____
Conduit secured to well cap: _____

Depth of well encountered at time of pump installation: _____ (feet)
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 _____

Piping to house

Type: _____
PSI: _____ (160 psi min)
Depth of supply line: _____ (36" min)

House Connection

PVC sleeve to undisturbed soil at wall penetration: _____
Approximate length of sleeve: _____
Sleeve caulked and sealed properly: _____

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SHANABERGER & LANE

Surveying • Land Planning • Construction Stakeout

May 17, 2005

Howard County Department Health Department
Bureau of Environmental Health
7178 Columbia Gateway Drive
Columbia, MD. 21046
ATTN: Stewart Oyster

re: Schremp Property (F-05-48) Well Permits

Dear Mr. Oyster:

Our office was contracted by the homeowner located at 6891 Haviland Mill Rd. to stakeout Proposed Wells to Be drilled by Westminster Rotary Well. All Proposed and Alternate well sites were staked out by Shanaberger & Lane on April 14, 2005 according to the Approved Plan signed by your office on March 11, 2002.

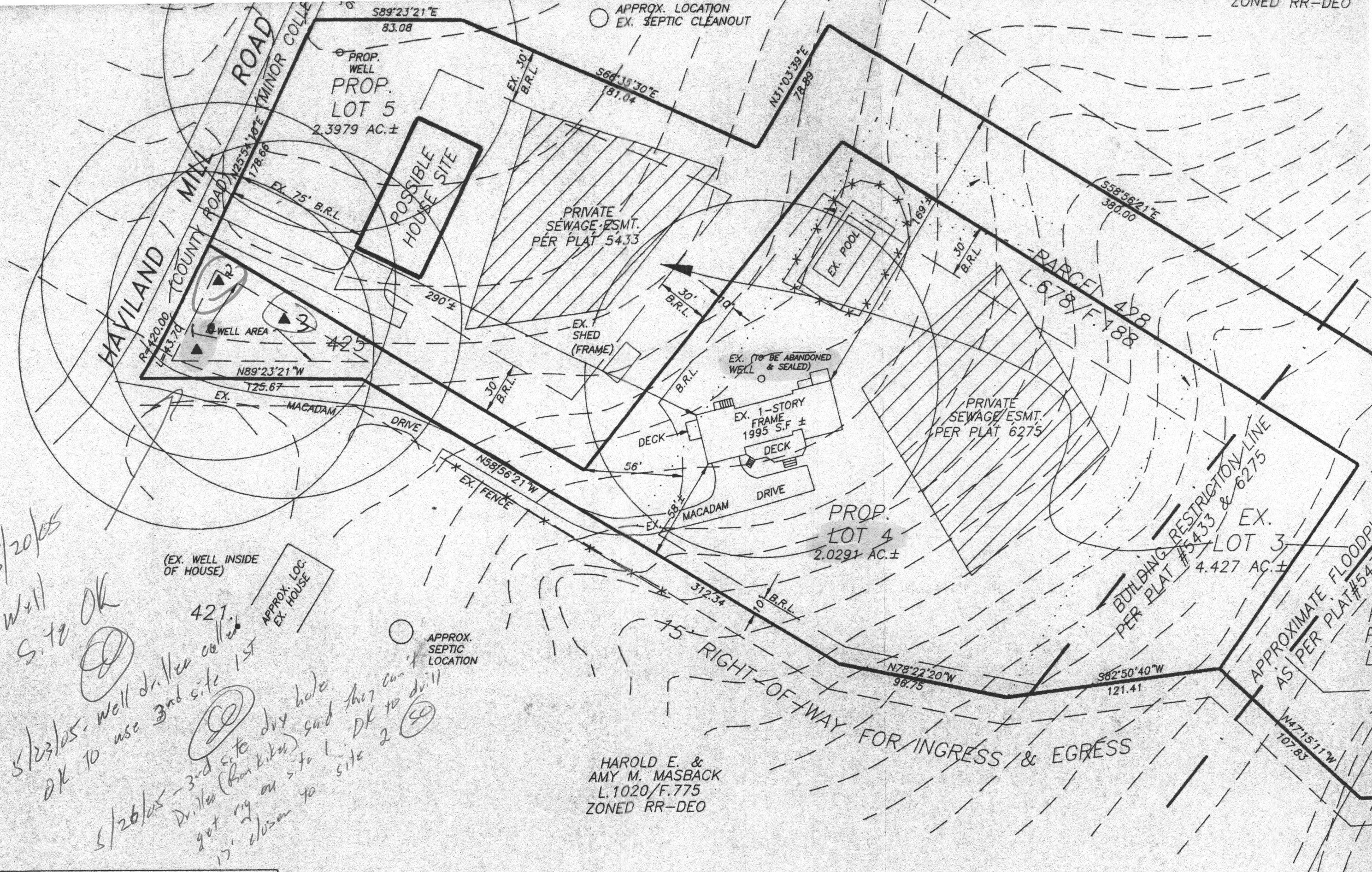
If you need any further information to issue the well permits for the abovementioned property, please let me know. Thank you for your attention to this request.

Sincerely,



Ron Fenzel
Project Manager

Lettr671.doc



Handwritten notes:
 5/20/05 Well site OK
 5/23/05 - well drilled collection OK to use 3rd site
 5/26/05 - 3rd site dry hole. Driller (Bor Kiker) said they can get rig on site 1. 15' closer to site 2. DK to drill.

HAROLD E. &
 AMY M. MASBACK
 L. 1020/F. 775
 ZONED RR-DEO

APPROVED FOR PRIVATE WATER
 & PRIVATE SEWAGE SYSTEMS. HOWARD
 COUNTY HEALTH DEPARTMENT.