

C1 1921 (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE TYPE

WELL IS COMPLETED. OK 3/13/00 COUNTY NUMBER A512694 B

ST/CO USE ONLY DATE RECEIVED MM DD YY

DATE WELL COMPLETED MM DD YY 12 9 99

Depth of Well 22 300 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-2391

OWNER Brantwood LLC last name BUTTERFRUIT WAY first name TOWN ELICOTT CITY MD SUBDIVISION Brantwood SECTION II - Part II LOT 2

WELL LOG Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

DESCRIPTION (Use additional sheets if needed)	FEET		check if water bearing
	FROM	TO	
BROWN SHALE	0	71	
BLUE SLATE	71	300	✓

WELL HAS BEEN GROUTED (Circle Appropriate Box) YES [Y] NO [N] TYPE OF GROUTING MATERIAL (Circle one) CEMENT [CM] BENTONITE CLAY [BC] NO. OF BAGS 24 NO. OF POUNDS 2256 GALLONS OF WATER 144 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 79 ft.

CASING RECORD casing types insert appropriate code below MAIN CASING TYPE ST 6 NOMINAL DIAMETER TOP (MAIN) CASING (nearest inch)! 6 TOTAL DEPTH OF MAIN CASING (nearest foot) 80

OTHER CASING (if used) diameter inch depth (feet) from to

SCREEN RECORD screen type or open hole insert appropriate code below ST BR HO PL OT

DEPTH (nearest ft.)

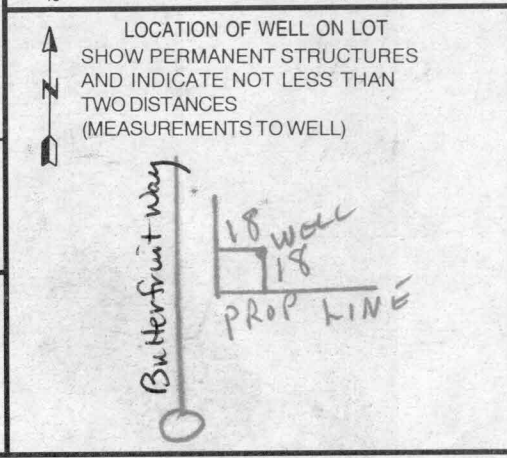
DEPTH (nearest ft.)	DEPTH (nearest ft.)	DEPTH (nearest ft.)
1 80	2 79	3 300

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 72 74 75 76 TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 6.5 METHOD USED TO MEASURE PUMPING RATE TIME WATER LEVEL (distance from land surface) BEFORE PUMPING 65 ft. WHEN PUMPING 102 ft. TYPE OF PUMP USED (for test) [A] air [P] piston [T] turbine [C] centrifugal [R] rotary [O] other (describe below) [J] jet [S] submersible

PUMP INSTALLED DRILLER INSTALLED PUMP YES [NO] (CIRCLE) (YES OR 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 1 (nearest foot)



NUMBER OF UNSUCCESSFUL WELLS: 0 WELL HYDROFRACTURED YES [Y] NO [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 MWD 139 Robert Eline DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 1 MWD 140 Andy Harley

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

B 1 09836

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER HO-94-2391 fill in this form completely

OWNER INFORMATION Date Received (APA) 07/24/99 Brantwood, L.L.C. 8835 P - Columbia 100 Parkway Columbia, MD 21045

LOCATION OF WELL Howard Brantwood Pine Orchard Area 1 MILES FROM TOWN 2

DRILLER INFORMATION Robert L. Cline MWD 139 Cline & Duvall, Inc. 8093 Hillmark Ct., Frederick, MD 21704

Butterfruit Way ON WHICH SIDE OF ROAD DISTANCE FROM ROAD 30 ENTER FT OR MI 38 39 TAX MAP: 16 & 23 BLK: PARCEL P/O 214

WELL INFORMATION APPROX. PUMPING RATE 5 AVERAGE DAILY QUANTITY NEEDED 300

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL Howard County A512694B DATE ISSUED 090299 AM 9/2/00

USE FOR WATER (CIRCLE APPROPRIATE BOX) DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

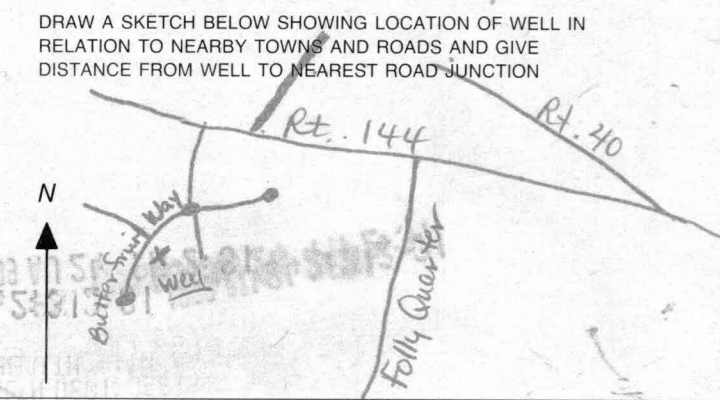
APPROXIMATE DEPTH OF WELL 250 FEET APPROXIMATE DIAMETER OF WELL 6 INCH

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. well WRITE THE BOX NUMBER FROM THE MAP HERE

METHOD OF DRILLING (circle one) BORED (or Augered) JETTED Jetted & DRIVEN AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary) CABLE REVERSE-ROTary DRIVE-POINT

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) THIS WELL WILL NOT REPLACE AN EXISTING WELL

Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROX. PERMIT NUMBER 54 PERMIT No. HO-94-2391



**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: Van Sant Plbg + Htg Telephone #: 301-829-0444
Address: 3 W. Main St
Mt. Airy, MD 21771

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:
Name (Print): Hanford Van Sant License# 1467

***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: NV Homes Telephone #: 301-858-0522
Subdivision: Brantwood Lot #: 102 Well Tag #: HO-94-2391
Site Address: 11409 Butterfruit Way
Ellicott City, MD 21043 2

<u>Submersible Pump Data</u>	<u>Pitless Adapter</u>	<u>Well Cap and Electric Conduit</u>
Make: <u>Goulds</u>	Make: <u>Campbell</u>	Two piece watertight cap: <input checked="" type="checkbox"/>
Model #: <u>7G507422</u>	Model#: <u>B10X</u>	Screened, vented well cap: <input checked="" type="checkbox"/>
Pump Capacity: _____ GPM	Depth: <u>42</u> (36" min)	Cap secured to casing: <input checked="" type="checkbox"/>
Well Yield: _____ GPM	NSF approved: <u>Yes</u>	Conduit min 18" B.G.: <input checked="" type="checkbox"/>
Depth of well encountered at time of pump installation: _____ (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 NO

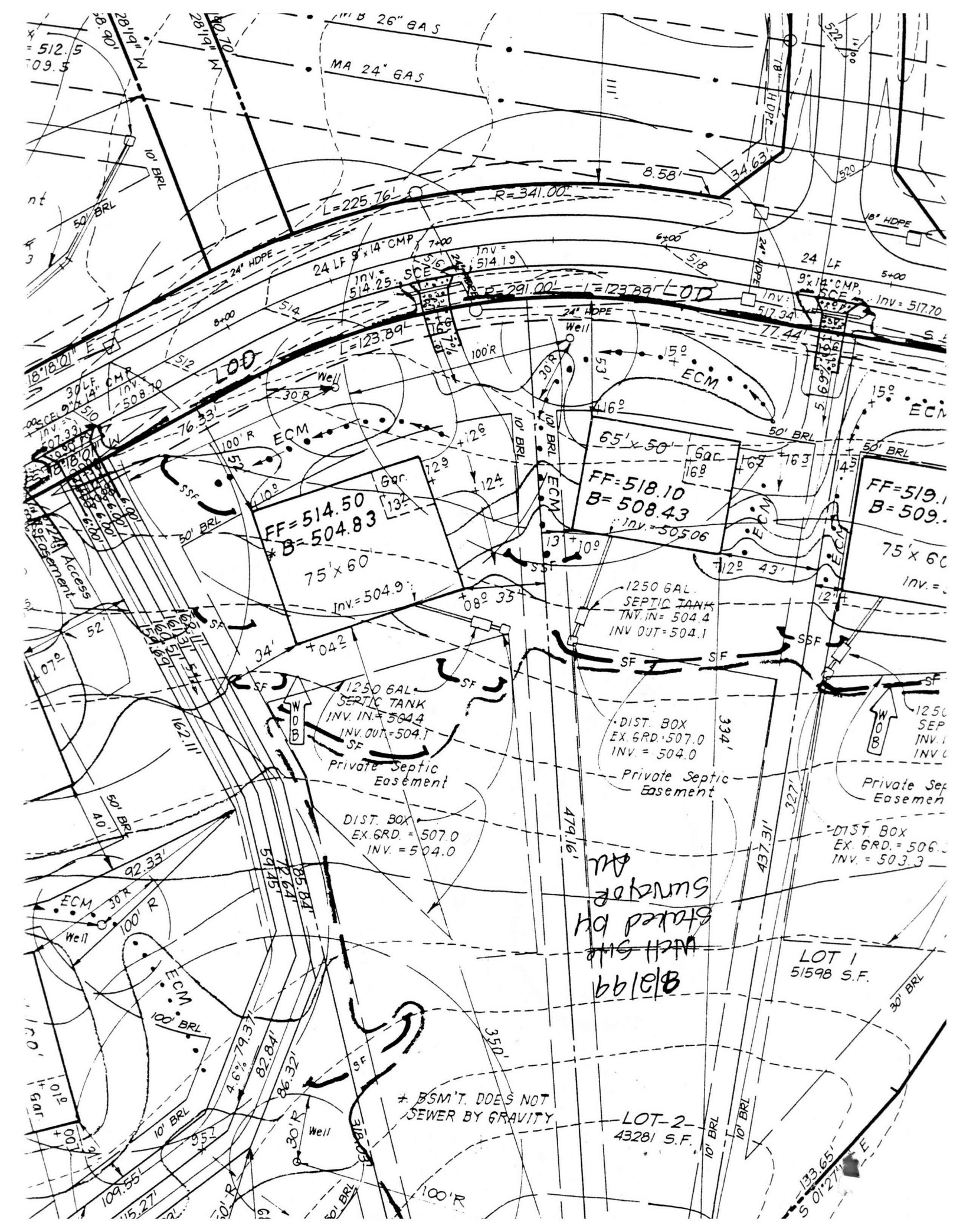
<u>Piping to house</u>	<u>House Connection</u>
Type: <u>200PSI</u>	PVC sleeved to undisturbed soil at wall penetration: <u>15ft</u>
PSI: _____ (160 psi min)	Approximate length of sleeve: <u>15ft</u>
Depth of supply line: <u>42</u> (36" min)	Sleeve caulked and sealed properly: <u>Yes</u>

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.

Signature of company representative responsible for installation: Hanford Van Sant date: 4.4.01

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

Date Insp. Requested: 3/23/01 Date Insp. Approved: 3/23/01 MR ^{SRK}
 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



26" GAS
24" GAS

L=225.76' R=341.00'

FF=514.50
B=504.83
75' x 60'
Inv.=504.9'

65' x 50'
FF=518.10
B=508.43
Inv.=505.06

75' x 60'
FF=519.1
B=509.1
Inv.=

1250 GAL SEPTIC TANK
INV. IN.=504.4
INV. OUT.=504.1
Private Septic Easement

1250 GAL SEPTIC TANK
INV. IN.=504.4
INV. OUT.=504.1

1250 SEP
INV. IN.
INV. OUT.

DIST. BOX
EX. GRD.=507.0
INV.=504.0

DIST. BOX
EX. GRD.=507.0
INV.=504.0
Private Septic Easement

DIST. BOX
EX. GRD.=506.0
INV.=503.3
Private Septic Easement

MA
adorns
hd parts
MS HP
bb|e|B

LOT 1
51598 S.F.

LOT-2
43281 S.F.

* BSM'T. DOES NOT
SEWER BY GRAVITY

