

C 1 07.559 SEQUENCE NO. (MDE USE ONLY)

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

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED.

COUNTY NUMBER A512694F

ST/CO USE ONLY DATE Received MM DD YY

DATE WELL COMPLETED MM DD YY 2 10 80 Depth of Well 450 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HD-94-2513

OWNER Brantwood LLC last name Butterfruit Way first name TOWN ELICOTT CITY MD SUBDIVISION Brantwood 211 SECTION LOT 6

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

GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) 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 76 ft.

CASING RECORD casing types insert appropriate code below MAIN CASING TYPE ST Nominal diameter top (main casing) (nearest inch)! 6 Total depth of main casing (nearest foot) 77

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

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED YES NO 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

DRILLERS LIC. NO. 1 MWD 139 Robert Cline DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. 1 MWD 536 Robert Cline Jr.

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

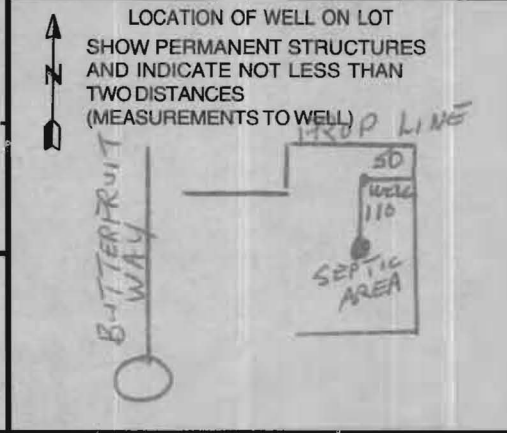
DEPTH (nearest ft.) 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76

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) 6 PUMPING RATE (gal. per min.) 2.14 METHOD USED TO MEASURE PUMPING RATE WATER LEVEL (distance from land surface) BEFORE PUMPING 36 ft. WHEN PUMPING 157 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 PUMP COLUMN LENGTH (nearest ft.) 41 CASING HEIGHT (circle appropriate box and enter casing height) LAND SURFACE (nearest foot) LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURES AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)



B 1 10798  
1 2 3 6

SEQUENCE NO.  
(MDE USE ONLY)

STATE OF MARYLAND  
PERMIT TO DRILL WELL  
please print or type

STATE PERMIT NUMBER

HO - 94 - 2513  
70 fill in this form completely 79

Date Received (APA)  
120299

OWNER INFORMATION

8 MM DD YY 13  
Brantwood, L.L.C.  
15 Last Name Owner First Name 34  
8835 - P Columbia 100 Parkway  
36 Street or RFD 55  
Columbia, MD 21045  
57 Town 70 State 72 Zip 76

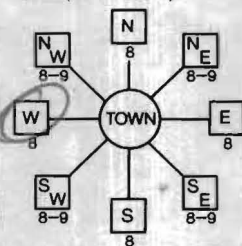
B 3 Howard LOCATION OF WELL

8 COUNTY 21  
Brantwood  
23 SUBDIVISION 42  
SECTION 2 LOT 6 Area 1  
44 46 48 50  
Pine Orchard  
52 NEAREST TOWN 71  
MILES FROM TOWN (enter 0 if in town) 2 M I  
73 76 77 78

DRILLER INFORMATION

Robert L. Cline M W D 139  
Driller's Name 76 License No. 81  
Cline & Duvall, Inc.  
Firm Name  
8093 Hillmark Ct, Frederick, MD 21704  
Address  
Robert L. Cline 11/22/99  
Signature Date

B 4  
1 2  
DIRECTION OF WELL FROM  
TOWN (CIRCLE BOX)



Butterfruit Way  
11 NEAR WHAT ROAD 30  
ON WHICH SIDE OF ROAD  
(CIRCLE APPROPRIATE BOX)  
NORTH  
WEST EAST  
SOUTH  
34 375 37  
DISTANCE FROM ROAD  
ENTER FT OR MI 38 39  
TAX MAP: 16/23 BLK: PARCEL # 214

B 2 WELL INFORMATION

1 2 APPROX. PUMPING RATE 5  
(GAL. PER MIN.) 8 12  
AVERAGE DAILY QUANTITY NEEDED 300  
(GAL. PER DAY) 14 20

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

NOT TO BE FILLED IN BY DRILLER  
HEALTH DEPARTMENT APPROVAL

Howard CO A512694 F  
COUNTY NAME COUNTY NO.  
STATE SIGNATURE INSERT S 41  
DATE ISSUED 12/10/99 A. McMiller 12/10/00  
43 MM DD YY 48 CO SIGNATURE EXP. DATE  
NORTH GRID 520 000 EAST GRID 820 000  
50 55 57 63

APPROXIMATE DEPTH OF WELL 250 FEET  
24 28

APPROXIMATE DIAMETER OF WELL 6 INCH  
NEAREST INCH

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 DEEPEMED WELLS  
(CIRCLE APPROPRIATE BOX)

- THIS WELL WILL NOT REPLACE AN EXISTING WELL
- THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
- THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
- THIS WELL WILL DEEPEMED AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED  
(IF AVAILABLE) 41 52

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

APPROX. PERMIT NUMBER 54  
PERMIT No. HO - 94 - 2513  
70 71 72 73 74 75 76 77 78 79

SHOW MAJOR FEATURES OF  
BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

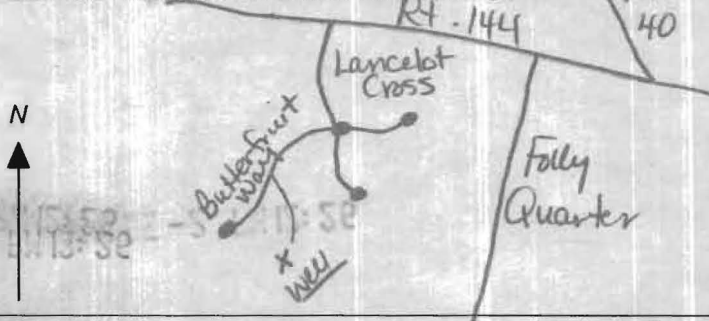
- 1. well
- 2.
- 3.

WRITE THE BOX NUMBER  
FROM THE MAP HERE

E 820

N 520

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



SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

**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 no main st  
Mt. Airy, MD 20771

(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: NY Homes Telephone #: 301-  
Subdivision: Branthwood Lot #: 6 Well Tag #: HO 94-2513  
Site Address: 11425 Butterfruit Way  
Ellicott City, MD 21042

<u>Submersible Pump Data</u>	<u>Pitless Adapter</u>	<u>Well Cap and Electric Conduit</u>
Make: <u>Couls</u>	Make: <u>Campbell</u>	Two piece watertight cap: <input checked="" type="checkbox"/>
Model #: <u>651022</u>	Model#: <u>510K</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: <u>2-14</u> GPM	NSF approved: <u>Yes</u>	Conduit min 18" B.G.: <input checked="" type="checkbox"/>
Depth of well encountered at time of pump installation: <u>430</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 No

<u>Piping to house</u>	<u>House Connection</u>
Type: <u>Polyethylene</u>	PVC sleeved to undisturbed soil at wall penetration: <u>Yes</u>
PSI: <u>200</u> (160 psi min)	Approximate length of sleeve: <u>15 ft</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: 9.18.01

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

Date Insp. Requested: 8/22/01 Date Insp. Approved: 2/5/02 (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  (SRK)  
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  (SRK)  
Adequate grout observed below pitless adapter



FIELD DATA SHEET  
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-2513  
 Location of property (road) Butterfruit Way  
 Subdivision Brantwood II Lot 6 Block          Plat          Sec. I  
 Well Driller Robert Cline Owner Brantwood LLC

Depth of well 450  
 Distance of measuring point (M.P.) above ground 1  
 Static water level (S.W.L.) below M.P. 36

I. High rate pumping -- reservoir drawdown

Time pump started 8:30 Pumping rate 12  
 Total time          to reach pumping water level          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 5 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
8:30	36	25 seconds		12
8:45	105	25 "		12
8:59	156	25 "		12
9:00	157	2 MIN. 20 SEC		2.14
9:15	157	2 MIN. 20 SEC		2.14
9:30	157	2 MIN. 20 SEC.		2.14
9:45	157	2 MIN. 20 SEC.		2.14
10:00	157	2 MIN 20 SEC.		2.14
10:15	157	2 MIN 20 SEC		2.14
10:30	157	2 MIN. 20 SEC.		2.14
10:45	157	2 MIN. 20 SEC.		2.14
11:00	157	2 MIN. 20 SEC.		2.14
11:15	157	2 MIN. 20 SEC.		2.14
11:30	157	2 MIN. 20 SEC.		2.14
11:45	157	2 MIN 20 SEC.		2.14
12:00	157	2 MIN 20 SEC		2.14
12:15	157	2 MIN 20 SEC		2.14
12:30	157	2 MIN 20 SEC		2.14
12:45	157	2 MIN 20 SEC		2.14
1:00	157	2 MIN 20 SEC		2.14
1:15	157	2 MIN 20 SEC		2.14
1:30	157	2 MIN 20 SEC		2.14
1:45	157	2 MIN 20 SEC		2.14
2:00	157	2 MIN 20 SEC		2.14

2/8/00

Yield test cancelled.

Well producing less  
than 1 GPM. Driller  
will try hydrofracturing.

BB



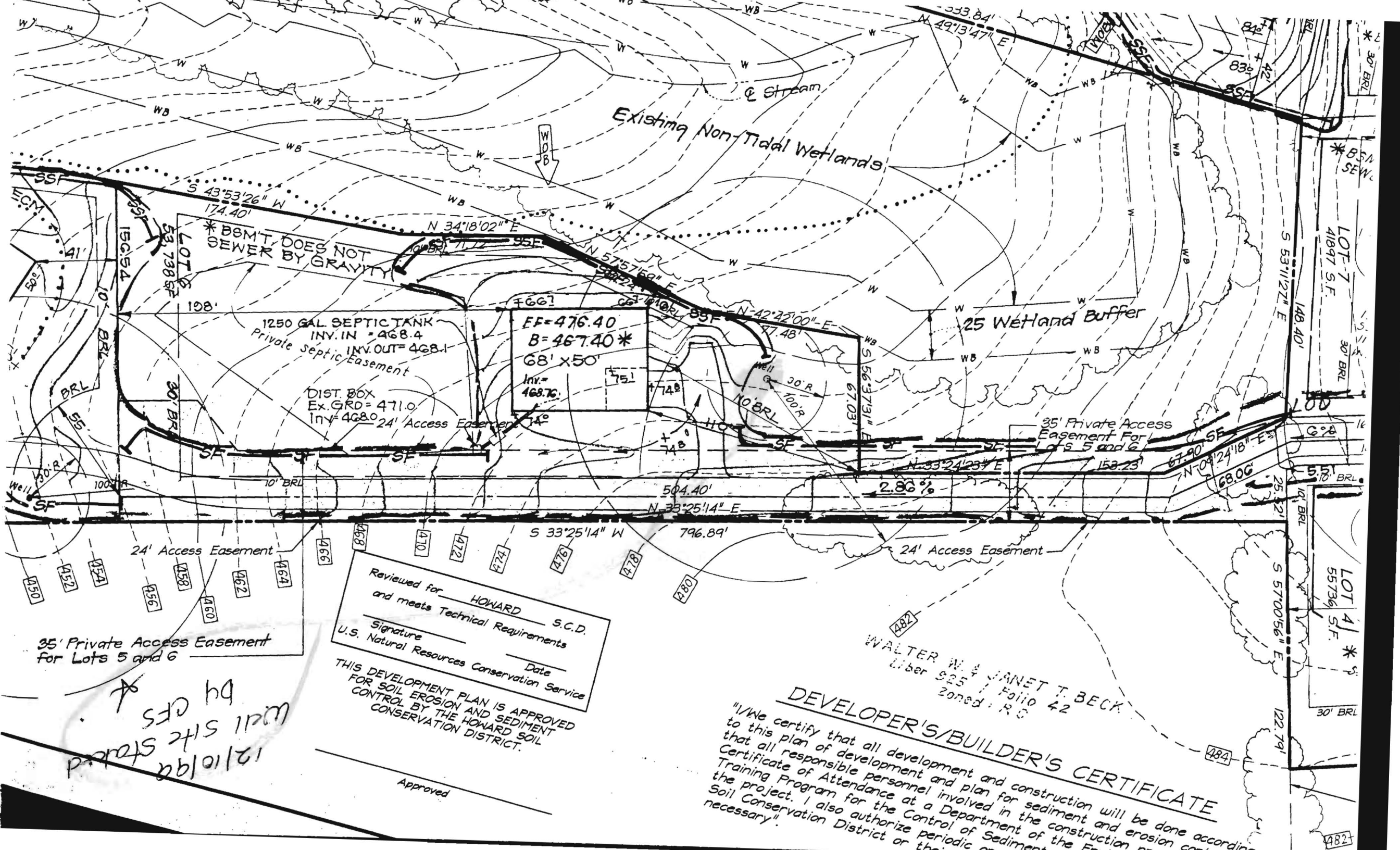


OK. Well site for lot 6  
 not acceptable  
 because well  
 on lot 5 is  
 not in the  
 pipe system  
 it is 25' from  
 former dry well  
 w/ Bruce Burton  
 see &  
 1/21/00  
 Final Survey  
 well site

95.00 Well Lot 6



Well PLAN LOT 5/6  
 BRANTWOOD 2/1  
 1/18/00 1"=100'



Reviewed for HOWARD S.C.D.  
 and meets Technical Requirements  
 Signature \_\_\_\_\_ Date \_\_\_\_\_  
 U.S. Natural Resources Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED  
 FOR SOIL EROSION AND SEDIMENT  
 CONTROL BY THE HOWARD SOIL  
 CONSERVATION DISTRICT.

Approved

### DEVELOPER'S/BUILDER'S CERTIFICATE

"I/We certify that all development and construction will be done according  
 to this plan of development and plan for sediment and erosion control  
 that all responsible personnel involved in the construction project  
 Certificate of Attendance at a Department of Sediment and Soil  
 Training Program for the Control of Sediment and Soil Conservation  
 the project. I also authorize periodic audits of the project by the  
 Soil Conservation District or their representative if deemed  
 necessary."

WALTER W. & JANET T. BECK  
 Liber 925 / Folio 42  
 Zoned: R.C.

35' Private Access Easement  
 for Lots 5 and 6

\* SCD by  
 well site  
 12/10/94  
 2/10/94