

C1 1939 (MDE USE ONLY) STATE OF MARYLAND WELL COMPLETION REPORT 1126/00 OK All

DATE WELL COMPLETED 01 21 00 DATE RECEIVED 01 21 00

Depth of Well 375 (TO NEAREST FOOT)

COUNTY NUMBER A51269466 PERMIT NO. HO 94-2403

OWNER Brantwood last name Seneca Chief Trail first name TOWN ELICOTT CITY MD

STREET OR RFD SUBDIVISION Brantwood SECTION II LOT 30

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	70	
BLUE SHALE	70	375	

WATER AT 173-345

GROUTING RECORD

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 22 NO. OF POUNDS 2065

GALLONS OF WATER 132

DEPTH OF GROUT SEAL (to nearest foot) from 0 TOP 52 ft. to 82 BOTTOM 58 ft. (enter 0 if from surface)

CASING RECORD

casing types insert appropriate code below

STEEL ST CONCRETE CO PLASTIC PL OTHER OT

MAIN CASING TYPE ST

Nominal diameter top (main) casing (nearest inch) 6

Total depth of main casing (nearest foot) 83

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

SCREEN RECORD

screen type or open hole

STEEL ST BRASS BR OPEN HOLE HO BRONZE PL PLASTIC PL OTHER OT

PUMPING TEST

HOURS PUMPED (nearest hour) 3

PUMPING RATE (gal. per min.) 12

METHOD USED TO MEASURE PUMPING RATE TIME

WATER LEVEL (distance from land surface) BEFORE PUMPING 55 ft. WHEN PUMPING 126 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

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 Elme

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 1 MWD 140 Jay Hailay

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

DEPTH (nearest ft.)

1 40 82 375

2 23 24 26 30 32 36

3 38 39 41 45 47 51

SLOT SIZE 1 2 3

DIAMETER OF SCREEN (NEAREST INCH) 56 60

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

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) 1

LOCATION OF WELL ON LOT

SHOW PERMANENT STRUCTURES AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)

PROP LINE 2030 WELL

SENECA CHIEF TRAIL

B 1 09846 SEQUENCE NO. (MDE USE ONLY) STATE OF MARYLAND PERMIT TO DRILL WELL please print or type STATE PERMIT NUMBER 40-94-2403 fill in this form completely

Date Received (APA) 6/24/99 OWNER INFORMATION Brantwood, L.L.C. 8835 - P Columbia 100 Parkway Columbia, MD 21045

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

WELL INFORMATION APPROX. PUMPING RATE 5 GAL. PER MIN. AVERAGE DAILY QUANTITY NEEDED 300 GAL. PER DAY

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

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL Howard Co A512694/GG

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

METHOD OF DRILLING (circle one) JETTED

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) PERMIT No. 40-94-2403

SPECIAL CONDITIONS

Well Permit No. HO - 94 2403  
Location of property (road) Seneca Chief Trail  
Subdivision Brantwood Lot 30 Block          Plat          Sec. II  
Well Driller Robert Cline Owner Brantwood LLC

HD-224



Attn:  
Steve

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 Pllbs + Hls Telephone #: 301-829-0444  
Address: 300 Main Rd.  
MD 21241

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer

License # and name of individual responsible for the field installation:

Name (Print): Harold Van Sant License #: 14407

\*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: INV Homes Telephone #: 301-358-0522  
Subdivision: Grantwood Lot #: 1080 Well Tag #: HO-94-2403  
Site Address: 300 Grantwood Chief Trail  
Columbia, MD 21042

<u>Submersible Pump Data</u>	<u>Pitless Adapter</u>	<u>Well Cap and Electric Conduit</u>
Make: <u>Grundfos</u>	Make: <u>Campbell</u>	Two piece watertight cap: <input checked="" type="checkbox"/>
Model #: <u>10500422</u>	Model #: <u>5108</u>	Screened, vented well cap: <input checked="" type="checkbox"/>
Pump Capacity: <u>12</u> GPM	Depth: <u>42</u> (36" min)	Cap secured to casing: <input checked="" type="checkbox"/>
Well Yield: <u>12</u> GPM	NSF approved: <u>Yes</u>	Conduit min 1 1/2" B.G.: <input checked="" type="checkbox"/>
Depth of well encountered at time of pump installation: <u>305</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>Blue Polyethylene</u>	PVC sleeved to undisturbed soil at wall penetration: <u>15</u>
PSI: <u>200</u> (160 psi min)	Approximate length of sleeve: <u>15</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

date

6.30.01

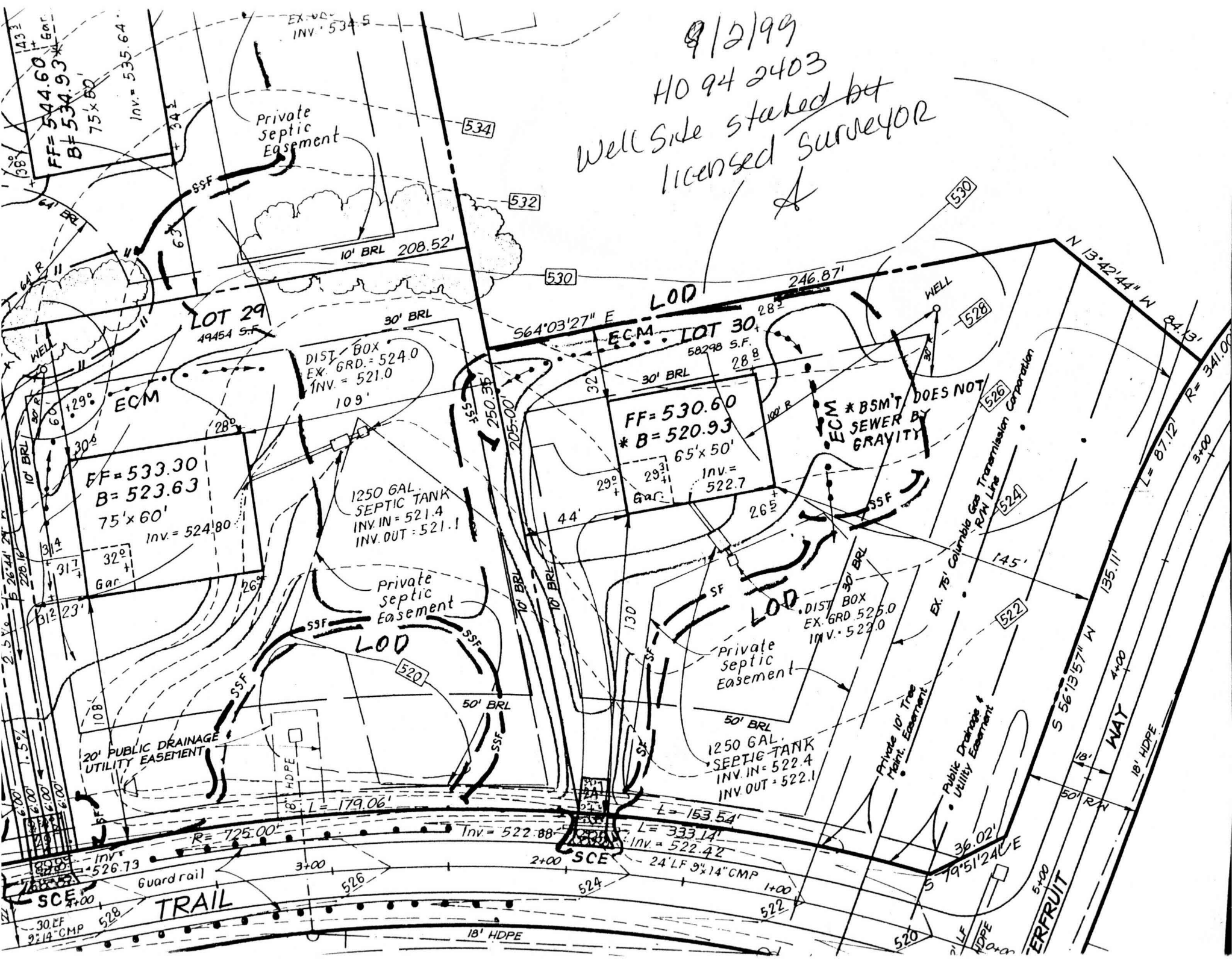
For Health Department Use Only - Not to be completed by Installer

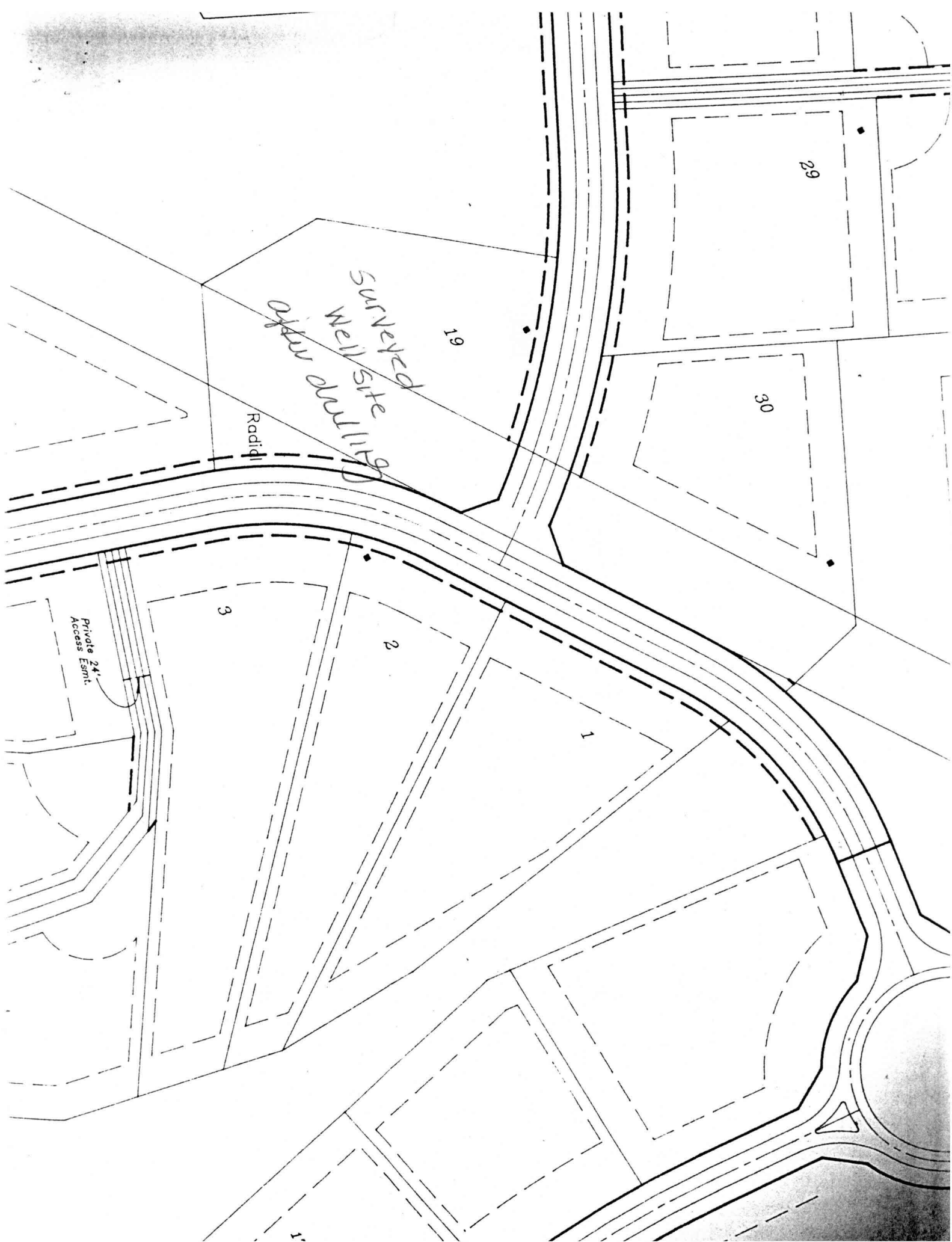
Date Insp. Requested: 6/19/01 Date Insp. Approved: 6/19/01 (SRK)

Inspection Data:

Pitless adapter and water supply line at least 36" below grade	<input checked="" type="checkbox"/>
Two piece cap installed and attached to casing securely	<input checked="" type="checkbox"/>
Elec. conduit extends at least 18" below grade/attached to cap properly	<input checked="" type="checkbox"/>
Safety rope installed inside of well casing	<input checked="" type="checkbox"/>
Correct well tag attached properly and casing 8" above finished grade	<input checked="" type="checkbox"/>
Water supply line sleeved adequately at house connection	<input checked="" type="checkbox"/>
Adequate grout observed below pitless adapter	<input checked="" type="checkbox"/>

HO 94 2403  
Well Site stated ~~by~~  
licensed surveyor  
1 1





Surveyed  
Well Site  
Open drilling

Radial

Private 24'  
Access Easmt.

19

29

30

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