

C1 1937 (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

WELL IS COMPLETED. COUNTY NUMBER A512694CC

ST/CO USE ONLY DATE Received MM DD YY

DATE WELL COMPLETED MM DD YY 12 3 99

Depth of Well 425 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-2401

OWNER Brantwood LLC last name Seneca Chief Trail first name TOWN Ellicott City MD SUBDIVISION Brantwood SECTION 2 LOT 27

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. Includes entries for BROWN SHALE and BLUE SLATE.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y) NO (N) TYPE OF GROUTING MATERIAL (C) MENTONITE CLAY (B) C NO. OF BAGS 20 NO. OF POUNDS 1880 GALLONS OF WATER 120 DEPTH OF GROUT SEAL 0 to 79 ft.

CASING RECORD

MAIN CASING TYPE (S) T Nominal diameter top (main) casing 6 Total depth of main casing 80

OTHER CASING (if used)

Table for OTHER CASING with columns for diameter and depth.

SCREEN RECORD

screen type or open hole (S) T (B) R (H) O (P) L (O) T

C 2

DEPTH (nearest ft.)

Table for screen depth with columns for slot size and diameter of screen.

C 3

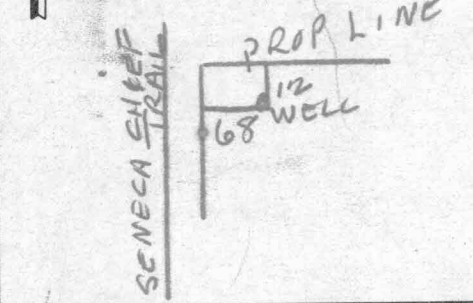
PUMPING TEST

HOURS PUMPED (nearest hour) 6 PUMPING RATE (gal. per min.) 3.75 METHOD USED TO MEASURE PUMPING RATE TIME WATER LEVEL (distance from land surface) BEFORE PUMPING 52 WHEN PUMPING 136 TYPE OF PUMP USED (for test) C centrifugal S submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP (CIRCLE) (YES or NO) YES (NO) 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 ( ) LAND SURFACE (-) below ( ) (nearest foot) 1

LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURES AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)



WATER AT 137-178

NUMBER OF UNSUCCESSFUL WELLS: 0 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 MWD 139 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 1 MWD 140 SIGNATURE

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

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

B 1 10700

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER HO-94-2401 fill in this form completely

Date Received (APA) 07 24 99

OWNER INFORMATION

Brantwood, L.L.C. 8835 - P Columbia 100 Parkway Columbia, MD 21045

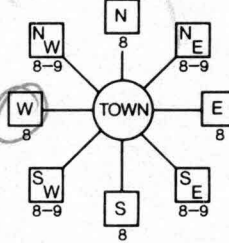
LOCATION OF WELL

Howard Brantwood Pine Orchard Area 1 SECTION 2 LOT 27 MILES FROM TOWN 2

DRILLER INFORMATION

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

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Seneca Chief Trail NEAR WHAT ROAD ON WHICH SIDE OF ROAD 700 DISTANCE FROM ROAD 16 & 23 TAX MAP: BLK: PARCEL 214

WELL INFORMATION APPROX. PUMPING RATE 5 AVERAGE DAILY QUANTITY NEEDED 14

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 CC COUNTY NAME COUNTY NO. STATE SIGNATURE DATE ISSUED 090599 AMYMU 9/2/00

APPROXIMATE DEPTH OF WELL FEET APPROXIMATE DIAMETER OF WELL INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary) CABLE REVERSE-ROTary DRIVE-POINT

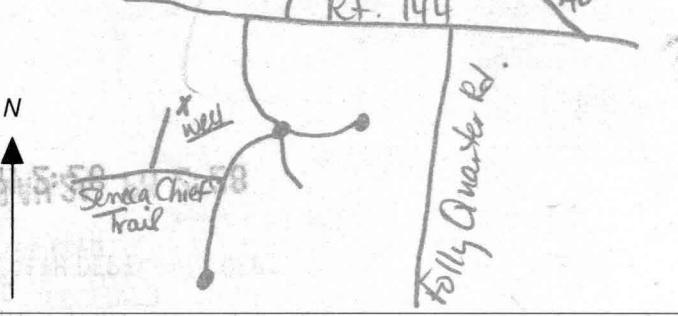
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- THIS WELL WILL NOT REPLACE AN EXISTING WELL 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 DEEPEM AN EXISTING WELL

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. well

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



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

APPROP. PERMIT NUMBER 54 PERMIT No. HO-94-2401

SPECIAL CONDITIONS

FIELD DATA SHEET  
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94 2401  
 Location of property (road) Seneca Chief Trail  
 Subdivision Brantwood Lot 27 Block      Plat      Sec. II  
 Well Driller Robert Cline Owner Brantwood LLC

Depth of well 425'  
 Distance of measuring point (M.P.) above ground 1  
 Static water level (S.W.L.) below M.P. 52

I. High rate pumping -- reservoir drawdown

Time pump started 8:30 Pumping rate 10  
 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	52	30 SECONDS		10
8:45	112	30 "		10
8:59	135	30 "		10
9:00	136	80 "		3.75
9:15	136	80 "		3.75
9:30	136	80 "		3.75
9:45	136	80 "		3.75
10:00	136	80 "		3.75
10:15	136	80 "		3.75
10:30	136	80 "		3.75
10:45	136	80 "		3.75
11:00	136	80 "		3.75
11:15	136	80 "		3.75
11:30	136	80 "		3.75
11:45	136	80 "		3.75
12:00	136	80 "		3.75
12:15	136	80 "		3.75
12:30	136	80 "		3.75
12:45	136	80 "		3.75
1:00	136	80 "		3.75
1:15	136	80 "		3.75
1:30	136	80 "		3.75
1:45	136	80 "		3.75
2:00	136	80 "		3.75



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 Plumbing Telephone #: 301-829-0444  
Address: 300 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): Harford 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 Adams Telephone #: 301-858-0552  
Subdivision: Drumwood Lot #: 1027 Well Tag #: HO 94 2401  
Site Address: 3012 Seneca Chief Trail Ellicott City, MD 21042

Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit  
Make: Goulds Make: Cornwell Two piece watertight cap:   
Model #: 6SB1002 Model #: 510K Screened, vented well cap:   
Pump Capacity: \_\_\_\_\_ GPM Depth: 42 (36" min) Cap secured to casing:   
Well Yield: 3.75 GPM NSF approved: \_\_\_\_\_ Conduit min 18" B.G.:   
Depth of well encountered at time of pump installation: 425 (feet) Conduit secured to well cap:

If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4  
Torque wrenches or Cable guards are required - Must circle one  
Safety rope, if used, attached to inside of well casing with eye bolt HA

Piping to house House Connection  
Type: Polyethylene PVC sleeved to undisturbed soil at wall penetration: 15  
PSI: 200 (100 psi min) Approximate length of sleeve: 15  
Depth of supply line: 42 (36" min) Sleeve caulked and sealed properly: yes

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.

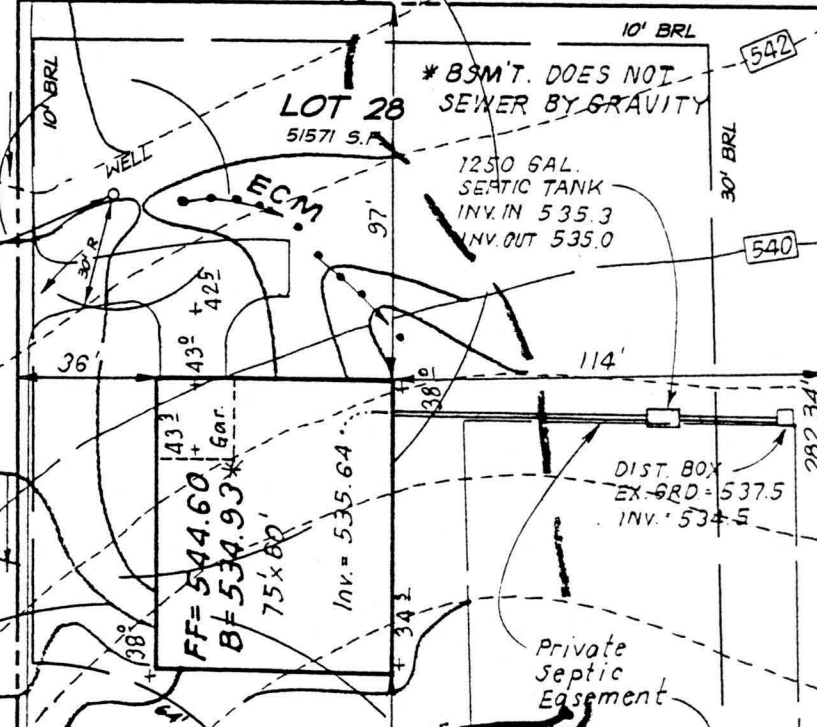
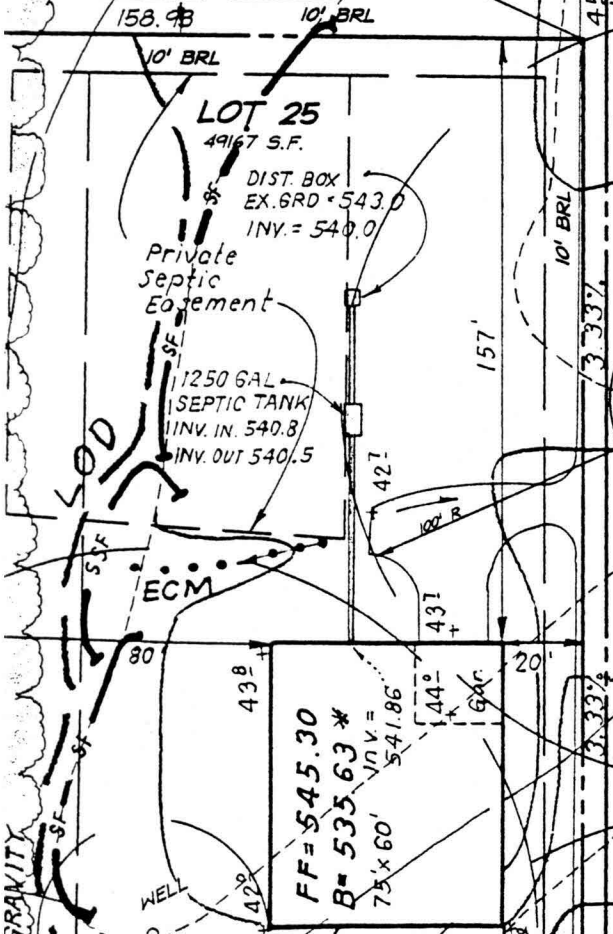
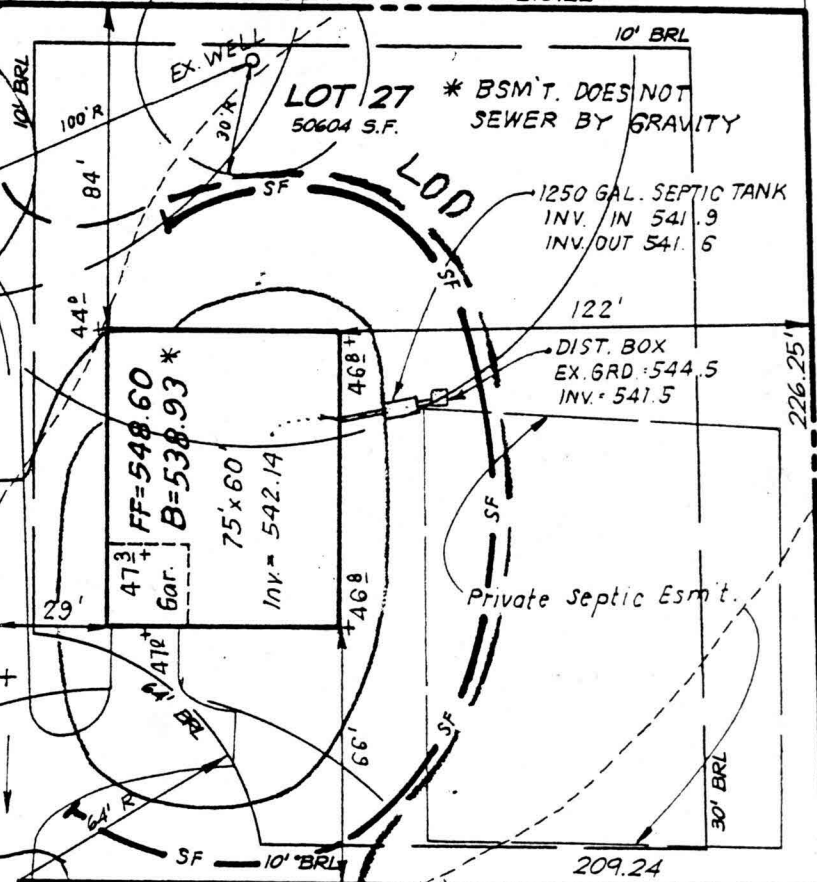
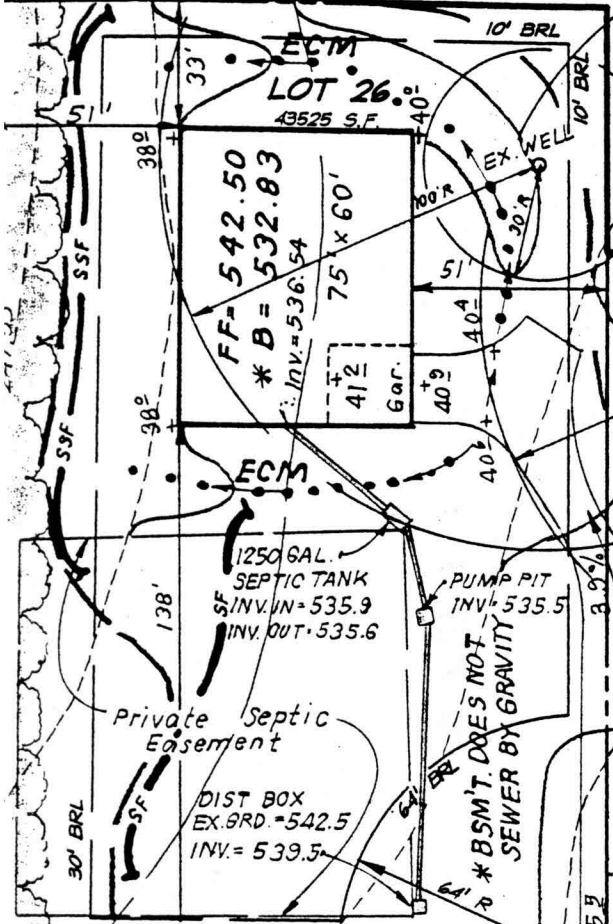
Signature of company representative responsible for installation: [Signature] date: 6.30.01

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   
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

S 63°16'57" E LOD 162.06'

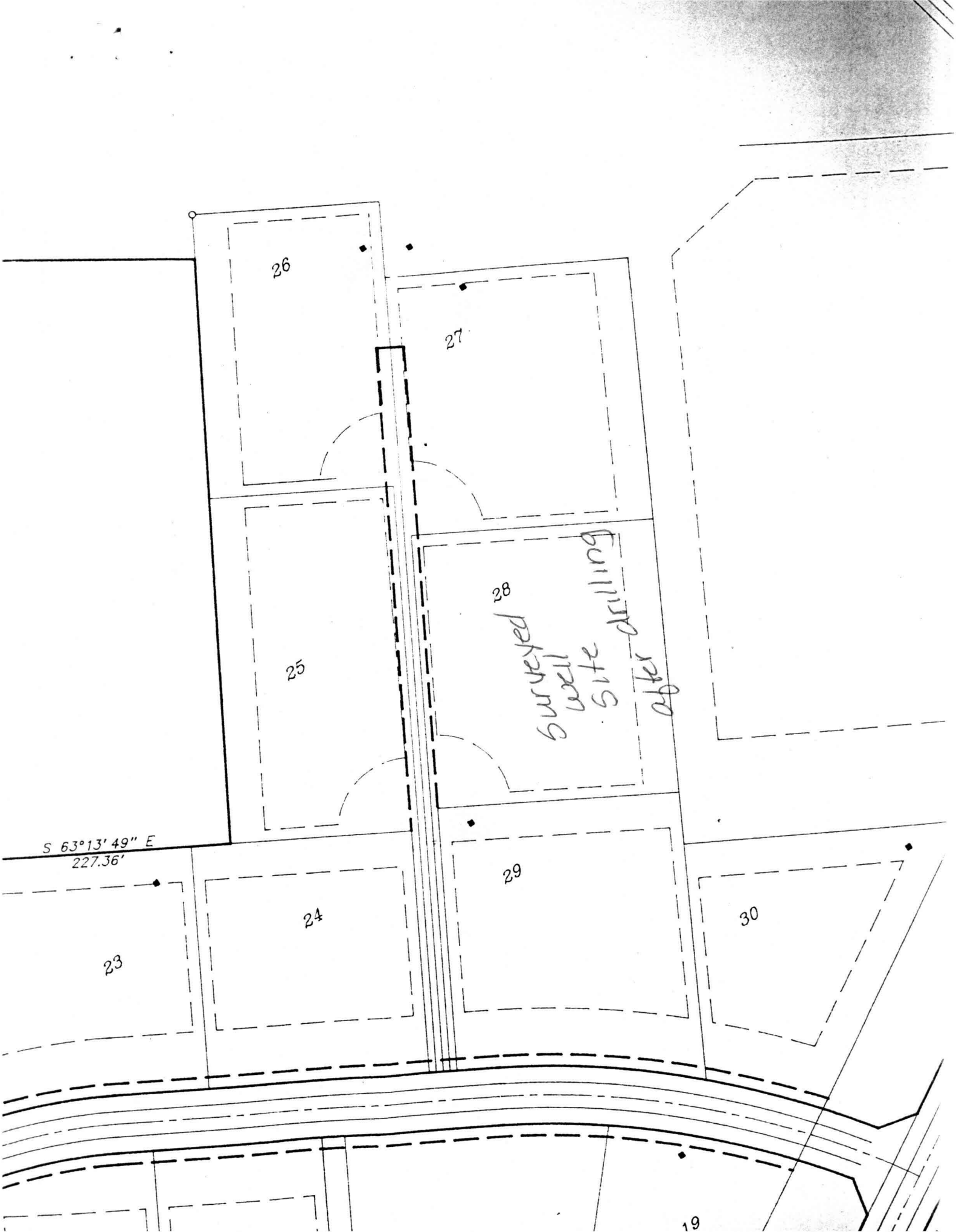
9/20/99  
Site stated  
by Surveyor



S 25°27'52" W

Ev Building

534



26

27

25

28

Surveyed well site after drilling

S 63°13'49" E  
227.36'

23

24

29

30

19