

12/29/99
11-12

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 513187

A 50830-AA

DISTRICT _____

DATE 12/21/1999

HOWARD COUNTY HEALTH DEPARTMENT

INDEXED

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXX~~ 410-313-2640

03-330753

DATE SYSTEM APPROVED 12/29/99

INSPECTOR DLS

Van Sant Plumbing & Heating IS PERMITTED TO INSTALL ALTER _____

ADDRESS 3 N. Main Street, Mt. Airy, MD 21771 PHONE 301-829-0444

SUBDIVISION Brantwood LOT 28 ROAD 3020 Lancelot Cross

PROPERTY OWNER NV Homes

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 210

TRENCHES - Trench to be 2 feet wide. Inlet 4.0 feet below original grade. Bottom maximum depth 8.0 feet below original grade. Effective area begins at 4.0 feet below original grade. 4.0 feet of stone below distribution pipe.

LOCATION - Beginning from the intersection of the 240.03' and 150.00' lot lines, begin trenches 40 feet up the 150.00' lot lines and 60 feet off that same lot line. Run two 55 foot trenches and then two 50 foot trenches toward the 240.33' lot line.

NOTES - Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.

11/19/99 OK RW

PLANS APPROVED BY Amy McMillen DATE 10-01-1999

COVER NO WORK UNTIL INSPECTED AND APPROVED

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS. 90° ELBOWS NOT ACCEPTABLE.

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX TRENCHES) TO BE 100 FEET FROM WELL (UNLESS OTHERWISE SPECIFICALLY AUTHORIZED)

NOTE: IF DEEP TRENCH(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(ES)

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

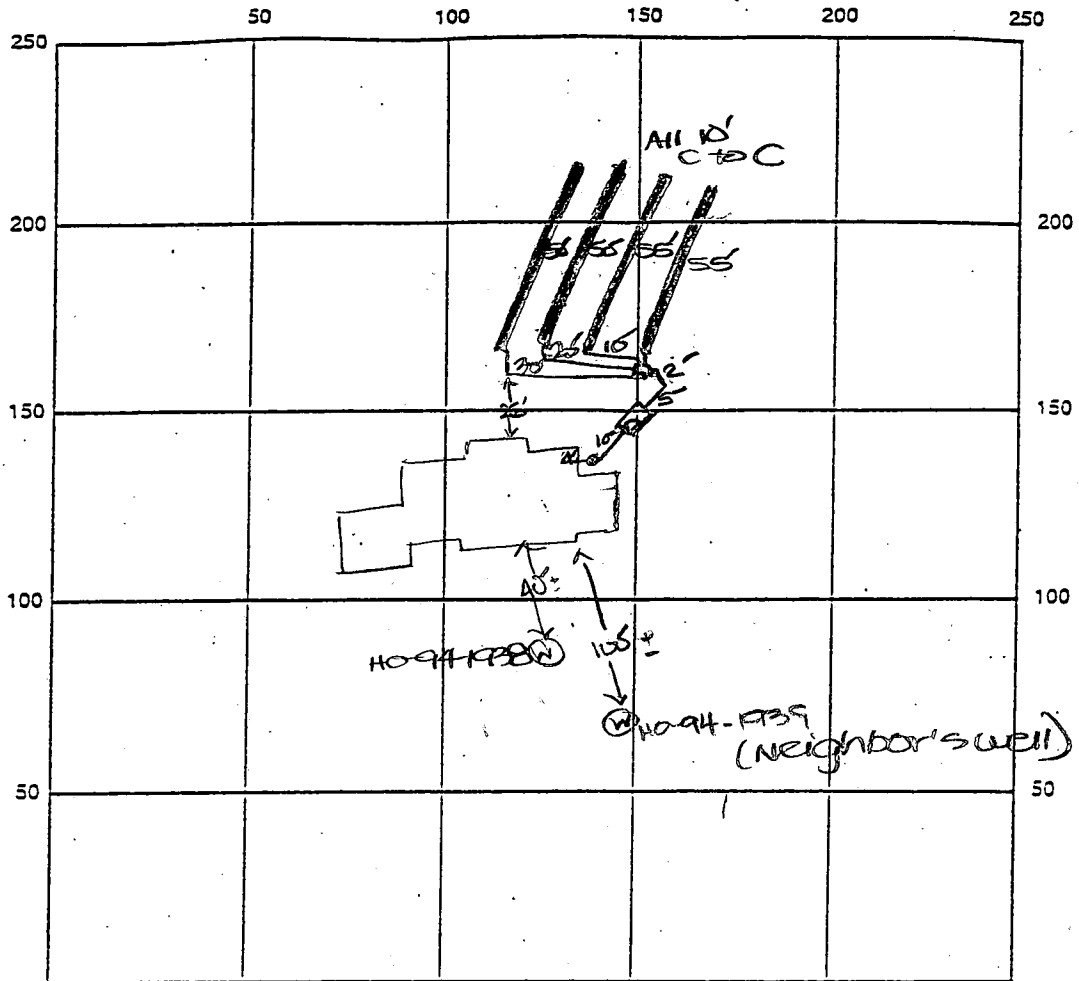
PERMIT VOID AFTER TWO YEARS

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON, CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

50830-AA



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

LANCET CROSS

SEPTIC TANK LEVEL OK - 1500 gallon CLEANOUTS one at house, one on st.

DISTRIBUTION BOX LEVEL OL

DRAIN FIELD/TITLE DEPTH 8 FT. TRENCH WIDTH 2 FT. INLET DEPTH 4 FT.

EFFECTIVE GRAVEL DEPTH 4 FT. TOTAL LENGTH 2x55 FT. → 210

NUMBER OF TRENCHES 4 ONE SIDEWALL/BOTTOM AREA 840 SQ. FT.

DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA — SQ. FT.

REMARKS: 12/29/99 FINAL INSP - OK TO COVER all work. DCS

DATE SYSTEM APPROVED 12/29/99

INSPECTOR [Signature]

APPLICATION

PERCOLATION TESTING

A _____

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2840

DISTRICT _____

DATE 8/15/95

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Feagan Family

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER Land Marketing, Inc. c/o Tim Feagan

ADDRESS 3243 Bethany Lane Ellicott City PHONE 313-8808

21042

PROPERTY LOCATION:

SUBDIVISION Feagan Property LOT NO. 26 & 29

ROAD AND DESCRIPTION Rt 194 + Folly Quarter Rd

TAX MAP 16 & 23 PARCEL # 34 & 63

~~COPIES PERMIT SIGNED
AND RETURNED~~

SIZE OF LOT 1 acre +/- TYPE BLDG. SFD

(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

Mark A. Reich
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

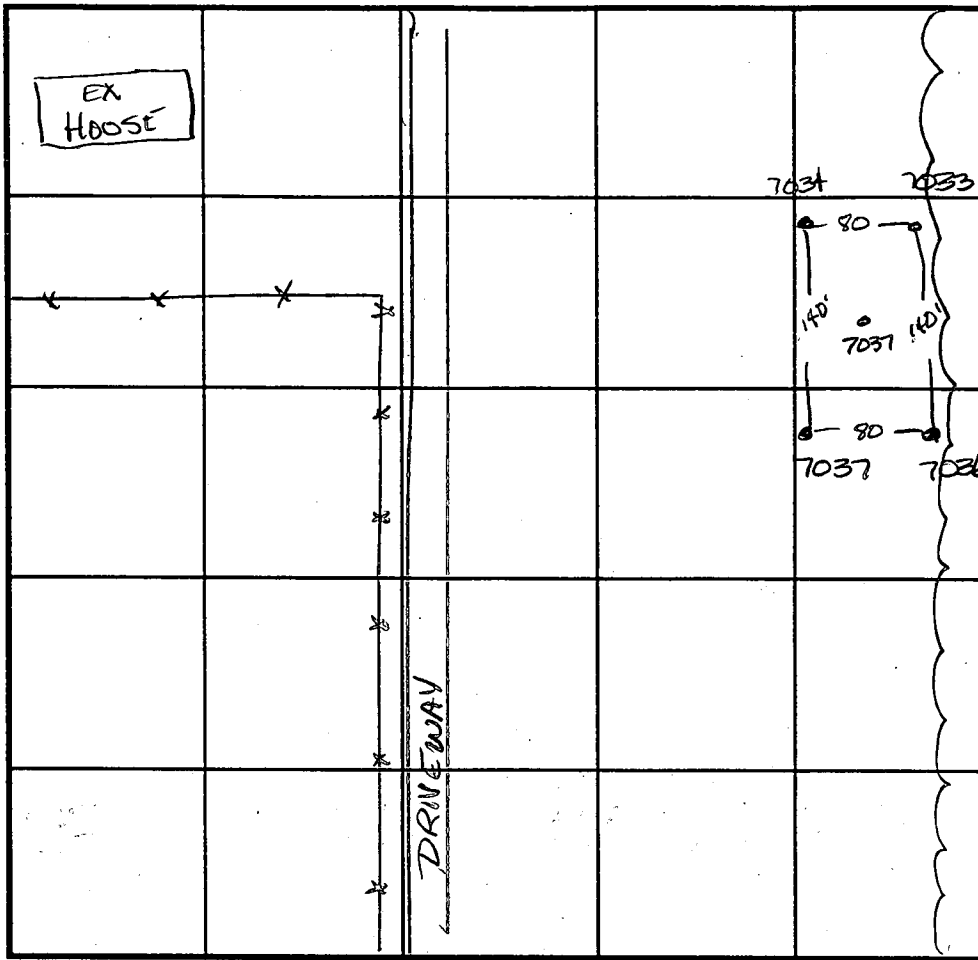
THIS IS NOT A PERMIT

COUNTY #

SOIL PROFILE
7033/7036

0' orange red SiCLm
4.0 dark red SiCLm w/ pockets of decayed white & orange Saprolite
12.5

EX HOOSE



SOIL PROFILE
7036

0' dark red SiCLm
3.5 dark red SiCLm 5% Shale
12.5

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

7034 dark red SiCLm
2.0 bright red SiCLm 10% Saprolite w/ red & white splotches micaceous
12.0

7035 bright red SiCLm
3.5 dark red SiCLm micaceous 5% Saprolite
11.0 white decayed quartz powdery
12.5

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12-10-98	7033	Visual	to 12.5	- see profile	—	—	OK
	7034	3.0	V12.0	11:20	>30 min	—	slow
		4.0	V12.0	12:20	12:22	12:22	12:26 ³⁰ 4 1/2 min
	7035	Visual	to 12.5	see profile	—	—	OK
	7036	2.5	V12.0	11:40	>30 min	—	slow
		5.0	V12.0	2:03	2:10	2:40	2:30 20'kmin
	7037	3.0	V12.5	11:29	11:32	11:32	3:39 7min
		4.0	V12.5	2:10	2:11	2:11	2:14 3min

REMARKS _____
 TYPE OF SOIL _____
 TESTED BY _____ ALSO PRESENT _____
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____
 INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

B 1 8625 SEQUENCE NO. (MDE USE ONLY) (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER HO-94-1938 fill in this form completely

Date Received (APA) 10/13/98 OWNER INFORMATION Brantwood LLC 8835-P Columbia Parkway Columbia, MD 21045

LOCATION OF WELL Howard County Fence Property SECTION 29 LOT 29 Pine Orchard Meadows NEAREST TOWN MILES FROM TOWN 2

DRILLER INFORMATION Hartman, David M WD 517 Driller's Name License No. 81 A.C. Schuites of Maryland 24 South River Rd Edgewater, MD 21045

DIRECTION OF WELL FROM TOWN (CIRCLE BOX) LANCELOT CROSS MD RT 144 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) DISTANCE FROM ROAD 600 FT TAX MAP: BLK: PARCEL:

WELL INFORMATION APPROX. PUMPING RATE 10 (GAL. PER MIN.) AVERAGE DAILY QUANTITY NEEDED 800 (GAL. PER DAY)

USE FOR WATER (CIRCLE APPROPRIATE BOX) HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE APPROVAL) TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL Howard Co A50830AA COUNTY NAME COUNTY NO. STATE SIGNATURE INSERT S DATE ISSUED 10/26/98 A.M. M.D. 10/26/99 CO SIGNATURE EXP. DATE NORTH GRID 520000 EAST GRID 820000

APPROXIMATE DEPTH OF WELL 200 FEET APPROXIMATE DIAMETER OF WELL 6" NEAREST INCH

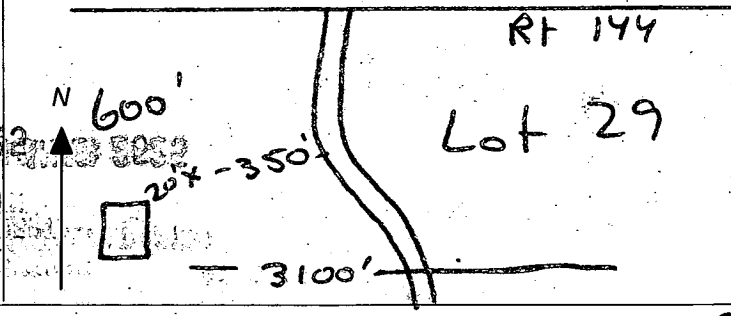
METHOD OF DRILLING (circle one) BORED (or Augered) AIR-ROTary JETTED AIR-PERCussion ROTARY (Hydraulic Rotary) CABLE REVERSE-ROTary DRIVE-POINT other

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. Tanker 2. 3. WRITE THE BOX NUMBER FROM THE MAP HERE E 820 N 520

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

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) APPROX. PERMIT NUMBER FORCE Am IN BOX PERMIT No. HO-94-1938 SPECIAL CONDITIONS



B 1 8625

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HO-94-1938

fill in this form completely

please print or type

Date Received (APA)

10 13 98

OWNER INFORMATION

Owner: Broadwood LLC

Street or RFD: 5535 P Columbia Parkway

Town: Columbia MD Zip: 21045

LOCATION OF WELL

Howard County

Feaga Property

SECTION 44 46 LOT 29 48 50

NEAREST TOWN: Pure Richard Meadows

MILES FROM TOWN (enter 0 if in town) 2 MI

DRILLER INFORMATION

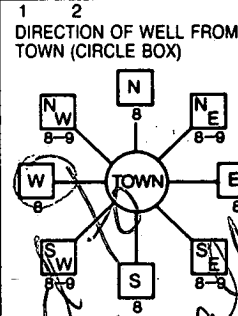
Driller's Name: MUD 317 License No. 81

Firm Name: H. Schumers of MD, Inc

Address: 24 South River Rd Edgewater, MD 21045

Signature: J. E. Hart Date: 10/06/98

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



LANCLOT CROSS

110 RT 144

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 600 37 DISTANCE FROM ROAD FT

ENTER FT OR MI 38 39

TAX MAP: BLK: PARCEL:

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 10

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 800

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- (D) HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
(F) FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
(I) INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
(P) PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE APPROVAL)
(T) TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard Co A508301A COUNTY NAME COUNTY NO.

STATE SIGNATURE DATE ISSUED 10 26 98

CO SIGNATURE EXP. DATE 10 26 99

NORTH GRID 520000 EAST GRID 520000

APPROXIMATE DEPTH OF WELL 200 FEET

APPROXIMATE DIAMETER OF WELL 6" NEAREST INCH

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 DEEPEM AN EXISTING WELL

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

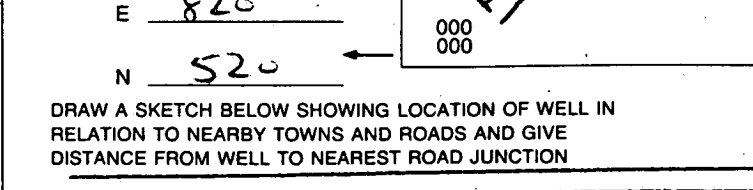
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER 1. Tanker

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 FORCE 11M 67 68

PERMIT No. HO-94-1938

SPECIAL CONDITIONS NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

Transferred to...

HOWARD COUNTY HEALTH DEPARTMENT
Bureau of Environmental Health **40-313-2648**
3525-N Ellicott Hills Drive
Ellicott City, MD 21043
461-0933

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation Replacement
Receipt # _____ Date _____

Name of Installer Van Sant Plog & Htg Telephone 301-839-0444

License Number 1467 Certified Well Pump Installer _____ Well Driller _____ Registered Plumber

Name of Property Owner DK Homes Telephone _____
Subdivision Brimwood Lot # 28 Well Tag # _____
Site Address 3020 Laurel Cross

Ellicott City, MD 21042

Pump
1. Type
a. Deep well jet _____
b. Shallow well jet _____
c. Submersible
2. Make Saido
3. Model # DEJ0542
4. Capacity _____ GPM
5. Pump exceeds well capacity Yes _____ No
6. If Yes, is low pressure cutoff switch installed? Yes _____ No
7. What methods are used to protect the pump and electrical wiring from vibrations?
Torque arrestors _____ Cable guards Other _____

Meter
1. Horsepower _____
2. RPM _____
3. Voltage _____
a. 110 _____
b. 220

Pitless Adapter
1. Make Amrad
2. Model # BJOX
3. Depth 48"

Tank
1. Capacity V-100
2. Pressure relief valve? Yes

Piping
1. Type PE
2. Size 1"
3. NSF and/or BOCA Code approved
4. Depth of supply line 48"

Well data
1. Depth 425 ft.
2. Yield _____ GPM
3. Static water level 3.15 ft.
4. Will water supply be disinfected by installer? _____

I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.
Signature of Applicant: [Signature]
Date: 10.4.99

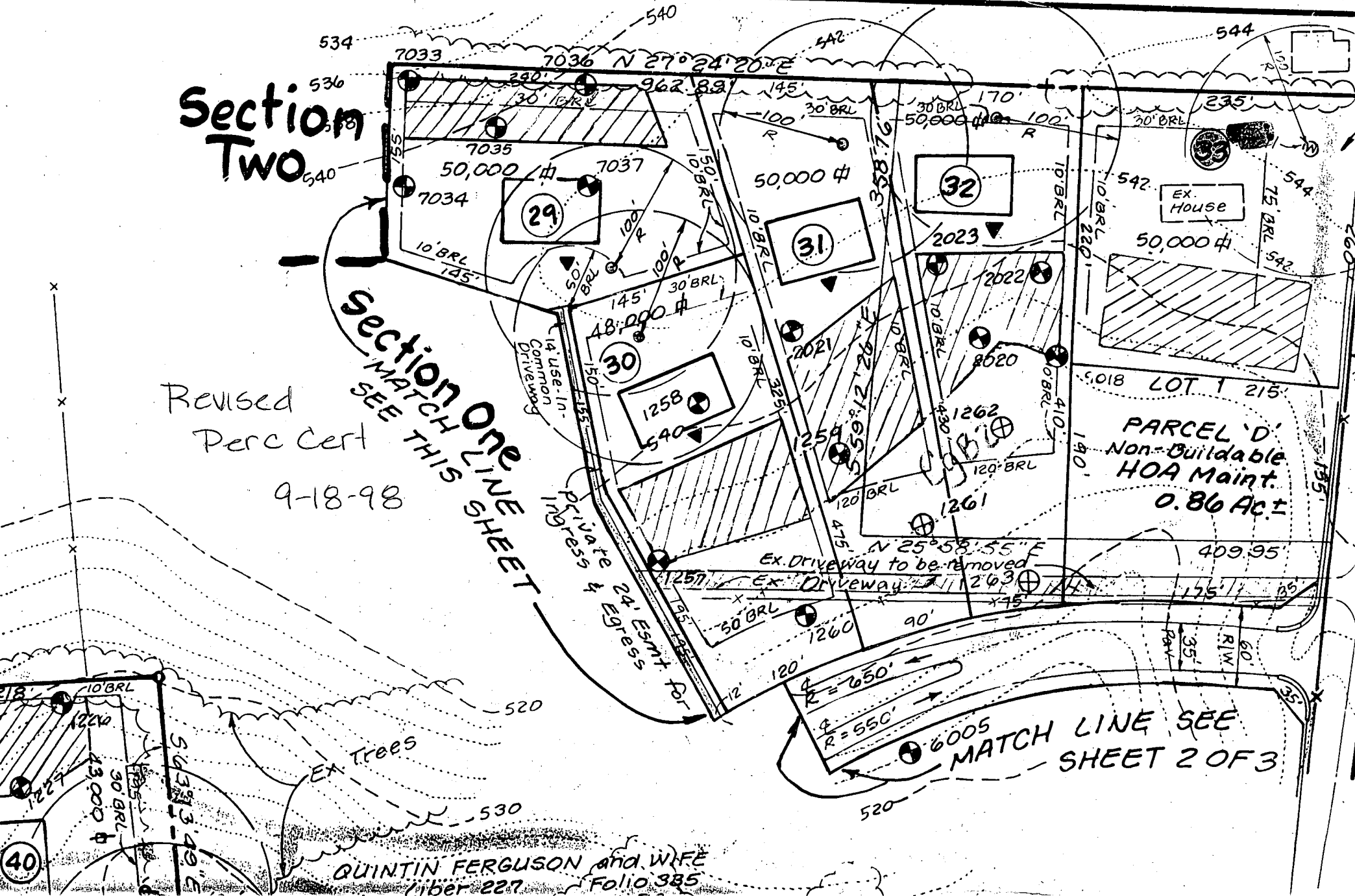
Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.

Section Two

Section One
MATCH LINE SHEET
SEE THIS SHEET

Revised
Perc Cert
9-18-98

QUINTIN FERGUSON and WIFE
Lib 227 Folio 385



Ex. Driveway to be removed

EX. HOUSE

PARCEL 'D'
Non-Buildable
HOA Maint.
0.86 AC ±

6005
MATCH LINE SEE
SHEET 2 OF 3

EX. TREES

Private Access & Egress
14 Use-In-Common
Driveway

40

35

260

135

140

175

155

100

75

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See Note 26, Sheet No. 1

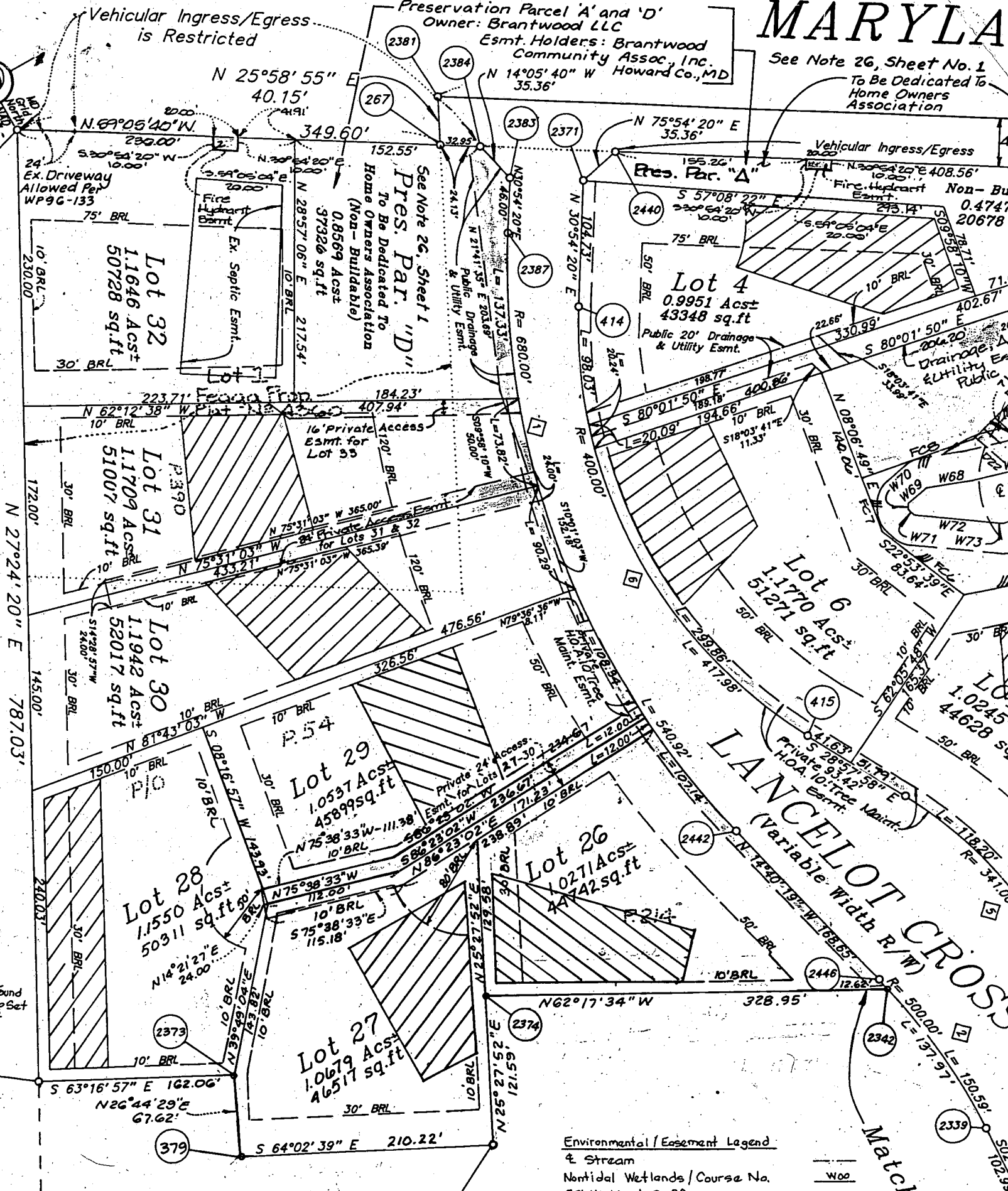
To Be Dedicated To Home Owners Association

Preservation Parcel 'A' and 'D'
Owner: Brantwood LLC

Esmt. Holders: Brantwood Community Assoc., Inc. Howard Co., MD

Vehicular Ingress/Egress is Restricted

Vehicular Ingress/Egress



Environmental/Easement Legend

- Stream
- Nontidal Wetlands/Course No.
- 25' Wetland Buffer
- 75' Stream Buffer
- 100 Year Flood Plain/Course No.
- 100 Year Flood Plain Elevation
- Forest Conservation/Course No.

into itself, its successors and assigns all in this plat for the public utilities, public facilities, forest conservation (designated EASEMENT), floodplains, and preservation on, over and through Lots 1 - 32, Preservation Parcel "C" and "D", and Non-Buildable Parcel "E". Any easements of the aforesaid lots shall be subjected to

Matchline