

10/6/98  
Meet Contractor @  
10:30 AM file and layout  
10.6.98  
3:30pm  
10.7.98  
pm  
10.9.98  
3pm

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 510636

A 49395

DISTRICT 5th

DATE 8/21/98

DATE SYSTEM APPROVED 10/9/98

INSPECTOR [Signature]

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

XXXXXXX 410-313-2640

INDEXED

South Carroll Backhoe, Inc. IS PERMITTED TO INSTALL  ALTER

ADDRESS 4410 Salem Bottom Rd, Westminster, MD 21157 PHONE 410-875-4197

SUBDIVISION Paternal Gift Farm LOT 4 ROAD 13549 Paternal Gift Drive

PROPERTY OWNER Pine Crest Builders, Inc.

ADDRESS IF SPECIFIED TRENCH LOCATION IS NOT ACHIEVED, THEN

SEPTIC TANK CAPACITY 1250 GALLONS Top Seamed Septic Tank + Pump Chamber Required, 10/9/98

NUMBER OF BEDROOMS 4 Pump Chamber Required

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 280

TRENCHES - Trench to be 3 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 6 feet below original grade. Effective area begins at 4 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place the distribution box 100 feet from the right (243.23') lot line and 50 feet from the left (207.94') lot line as viewed from Paternal Gift Drive. Install trenches on contour toward left lot line.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.

PLANS APPROVED BY Ronald Pinkley DATE 06/05/98

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

\*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

A 49395



B 1 **5409**

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER

**HO-94-1545**  
fill in this form completely

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

Date Received (APA) **03/10/98**  
OWNER INFORMATION **RN 7387**  
8 MM DD YYYE 13  
**Scheidt Susan**  
15 Last Name Owner First Name 34  
**12730 Hall Shop**  
36 Street or RFD 55  
**Highland, Md. 20777**  
57 Town 70 State 72 Zip 76

B 3 **Howard** LOCATION OF WELL CC#  
8 COUNTY 21  
**Paternal Gift Farm**  
23 SUBDIVISION 42  
SECTION 44 46 LOT **4** 48 50  
**Highland**  
52 NEAREST TOWN 71  
MILES FROM TOWN (enter 0 if in town) **1** M I  
73 76 77 78

DRILLER INFORMATION  
**George F. Easterday** M WD 040  
Driller's Name 76 License No. 81  
**Franklin Easterday, Inc.**  
Firm Name  
**9265 Brown Church Rd., MT. Airy, Md. 21771**  
Address  
**George F. Easterday** 3/9/98  
Signature Date

B 4  
1 2 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  
**13549** Paternal Gift Drive  
11 NEAR WHAT ROAD 30  
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
34 **100** 37 DISTANCE FROM ROAD ENTER FT OR MI 38 39  
TAX MAP: **40** BLK: PARCEL **90**

B 2 WELL INFORMATION  
1 2 APPROX. PUMPING RATE (GAL. PER MIN.) 5  
8 12  
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **500**  
14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)  
 HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)  
 FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)  
22  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** **A49395**  
COUNTY NAME COUNTY NO.  
STATE SIGNATURE INSERT S → 41  
DATE ISSUED **5/15/98** **5/15/99**  
43 MM DD 48 CO SIGNATURE EXP. DATE  
NORTH GRID **48K 000** EAST GRID **0812 000**  
50 55 57 63

APPROXIMATE DEPTH OF WELL **300** FEET  
24 28

APPROXIMATE DIAMETER OF WELL **6** INCH  
NEAREST

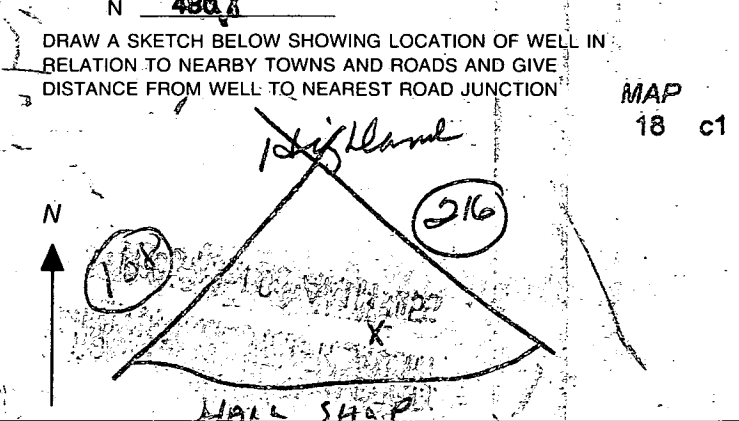
METHOD OF DRILLING (circle one)  
BORED (or Augered) JETTED Jetted & DRIVEN  
30  AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary)  
37  CABLE REVERSE-ROTary DRIVE-POINT  
other

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  
39  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 DEEPEAN 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 **HO 96 GAP 007** 54 63  
FORCE **RP** WRITE INITIALS IN BOX PERMIT No. **HO-94-1545**  
67 68 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS  
NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED - **Owner 410-531-2366 or 301-854-2439**

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X  
**X 6-1-98 a.m. Grant**  
SOURCES OF DRILLING WATER  
1. wells  
2. **NO INSP**  
3. **AM**  
WRITE THE BOX-NUMBER FROM THE MAP HERE  
E **810 2**  
N **480 8**  
000  
000



COUNTY

CT 05000

SEQUENCE NO. (MADE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

COUNTY NUMBER A49395

ST/CO USE ONLY DATE-Received

DATE WELL COMPLETED 06 02 98

Depth of Well 500 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" H0-94-1545

OWNER Scheidt, Street or RFD 13549 Paternal Gift Dr, TOWN Highland, SUBDIVISION Paternal Gift Farm, SECTION 1, LOT 4

WELL LOG table with columns: DESCRIPTION, FEET FROM, FEET TO, check if water bearing. Includes entries for top soil, shale, gravel, sand, brown mica, grey mica, sand stone, etc.

GROUTING RECORD form with fields for WELL HAS BEEN GROUTED, TYPE OF GROUTING MATERIAL (CEMENT, BENTONITE CLAY), NO. OF BAGS, NO. OF POUNDS, GALLONS OF WATER, DEPTH OF GROUT SEAL.

CASING RECORD form with fields for casing types (ST, CO, PL, OT), MAIN CASING TYPE, Nominal diameter, Total depth.

OTHER CASING (if used) form with fields for diameter, depth.

SCREEN RECORD form with fields for screen type (ST, BR, PL, HO, OT), DEPTH (nearest ft.), SLOT SIZE, DIAMETER OF SCREEN.

PUMPING TEST form with fields for HOURS PUMPED, PUMPING RATE, METHOD USED TO MEASURE PUMPING RATE, WATER LEVEL, BEFORE PUMPING, WHEN PUMPING, TYPE OF PUMP USED.

PUMP INSTALLED form with fields for DRILLER WILL INSTALL PUMP, TYPE OF PUMP INSTALLED, CAPACITY, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT.

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED: YES (Y), NO (N)

CIRCLE APPROPRIATE LETTER: A (ABANDONED AND SEALED), E (ELECTRIC LOG OBTAINED), P (TEST WELL CONVERTED TO PRODUCTION WELL)

DRILLERS LIC. NO. 1 MW D 040, Signature: George F. Easternday

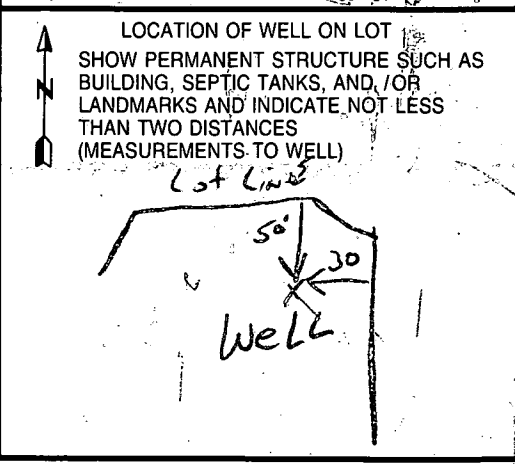
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION), LIC. NO. 1 MW D 481

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

DEPTH (nearest ft.) table with columns for depth intervals (8-11, 15-17, etc.) and values (100, 500).

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) with fields for TELESCOPE CASING, LOG INDICATOR, OTHER DATA.



8:30 5-28-98

Review OK 6/4/98 PJP

FIELD DATA SHEET  
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-1545  
 Location of property (road) 13549 Paternal Gift Drive  
 Subdivision Paternal Gift Farm Lot 4 Block \_\_\_\_\_ Plat \_\_\_\_\_ Sec. 1  
 Well Driller G. Easterday Owner Susan Scheidt

Depth of well 500 39m  
 Distance of measuring point (M.P.) above ground + 1 1/2'  
 Static water level (S.W.L.) below M.P. 28'

I. High rate pumping -- reservoir drawdown  
 Pump set 400'  
 Time pump started 8:30 AM Pumping rate 15  
 Total time 1 hr. 15 min to reach pumping water level 241 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)
8:45	135	6 sec		10
9:00	202	8 sec		7
9:15	224	10 sec		6
9:30	237	10 sec		6
9:45	241	11 sec		5.4
10:00	241	11 sec		5.4
10:15	241	11 sec		5.4
10:30	241	11 sec		5.4
10:45	241	11 sec		5.4
11:00	241	11 sec		5.4
11:15	241	11 sec		5.4
11:30	241	11 sec		5.4
11:45	241	11 sec		5.4
12:00	241	11 sec		5.4
12:15	241	11 sec		5.4
12:30	241	11 sec		5.4
12:45	241	11 sec		5.4

HD-224

500' 3-D.P.M. 88' 6" C.O.P. 80' 5" C.P.M.

SITE SUPERVISOR (sign, of driller or journeyman responsible for sitework if different from permittee)	TELESCOPE CASING	LOG INDICATOR	74 75 76
	OTHER DATA		

ORIGINAL-STATE



HOWARD COUNTY HEALTH DEPARTMENT  
Bureau of Environmental Health  
3825-N Ellicott Mills Drive  
Ellicott City, MD 21043

410-313-2648

410 313 2648

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation   
Replacement

Receipt # \_\_\_\_\_  
Date \_\_\_\_\_

Name of Installer Ben Lewis Inc

Telephone 301 428 8380

License Number 11202

Certified Well Pump Installer \_\_\_\_\_

Well Driller \_\_\_\_\_

Registered Plumber \_\_\_\_\_

Name of Property Owner Priscilla Bedy

Telephone 301 384 4318

Subdivision Patuxent Falls

Lot # 4

Well Tag # HL-94-1545

Site Address 13549 Patuxent Falls Dr, Highland Md

Pump

- 1. Type
  - a. Deep well jet \_\_\_\_\_
  - b. Shallow well jet \_\_\_\_\_
  - c. Submersible
- 2. Make Grundfos
- 3. Model # 5 N305422
- 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 \_\_\_\_\_

Motor

- 1. Horsepower 1/3
- 2. RPM \_\_\_\_\_
- 3. Voltage \_\_\_\_\_
  - a. 110 \_\_\_\_\_
  - b. 220

Pitless Adaptor

- 1. Make \_\_\_\_\_
- 2. Model # \_\_\_\_\_
- 3. Depth 42

Tank

- 1. Capacity 170
- 2. Pressure relief valve? Yes

Piping

- 1. Type Black 1/2"
- 2. Size 1
- 3. NSF and/or BOCA Code approved Yes
- 4. Depth of supply line \_\_\_\_\_

Well data

- 1. Depth 210 ft.
- 2. Yield \_\_\_\_\_ GPM
- 3. Static water level 36 ft.
- 4. Will water supply be disinfected by installer? \_\_\_\_\_

8/17/98 Pitless adaptor + well line  
OK @ 4/8 R/P

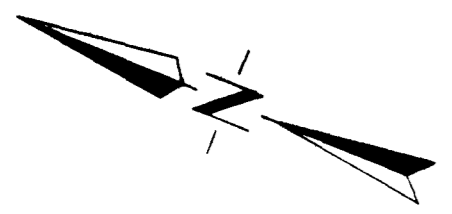
I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.

Signature of Applicant: [Signature]

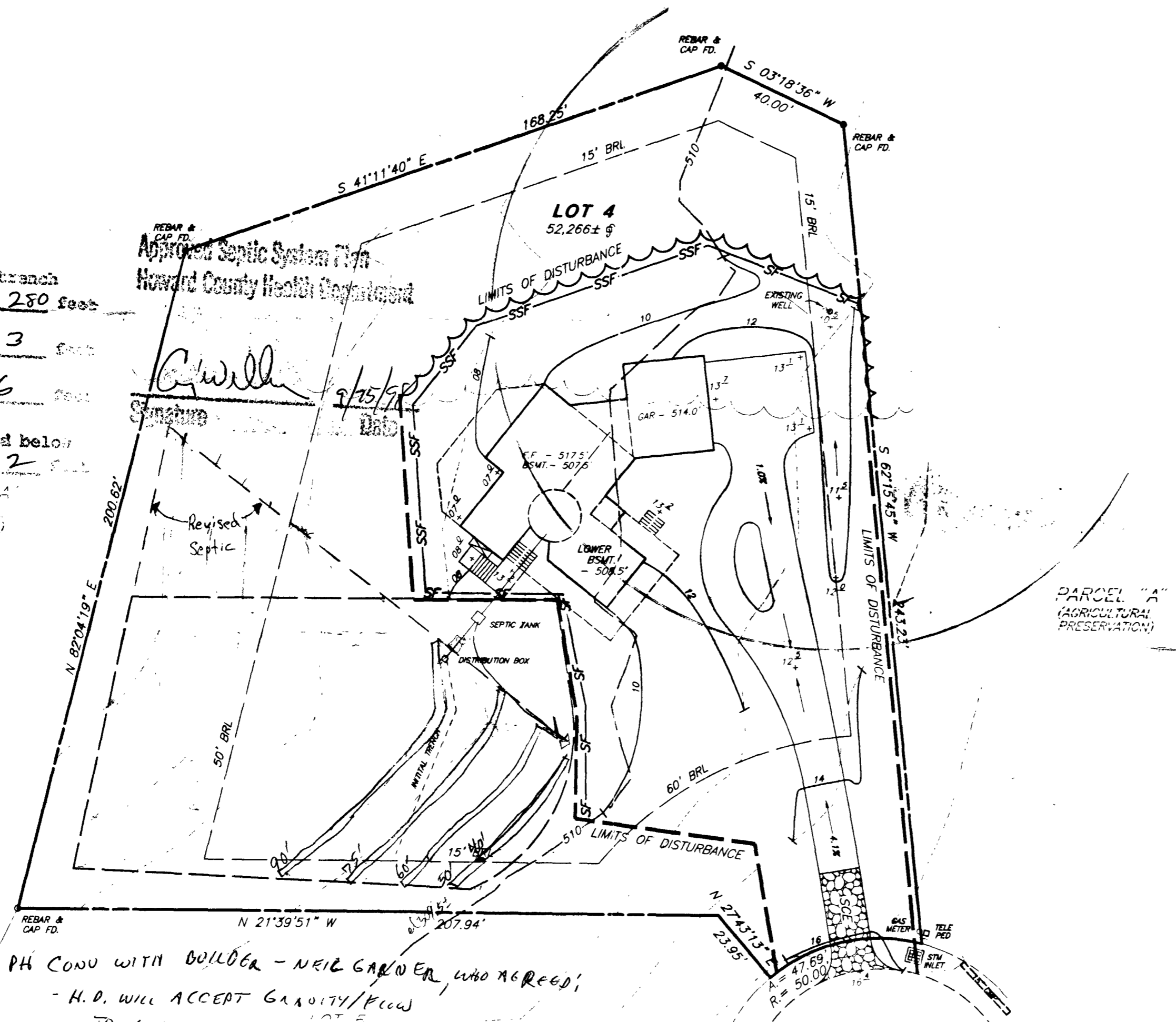
Date: 8/16/98

The contractor installing the application on the installation will be liable for the cost of any rework done at the time of the inspection.



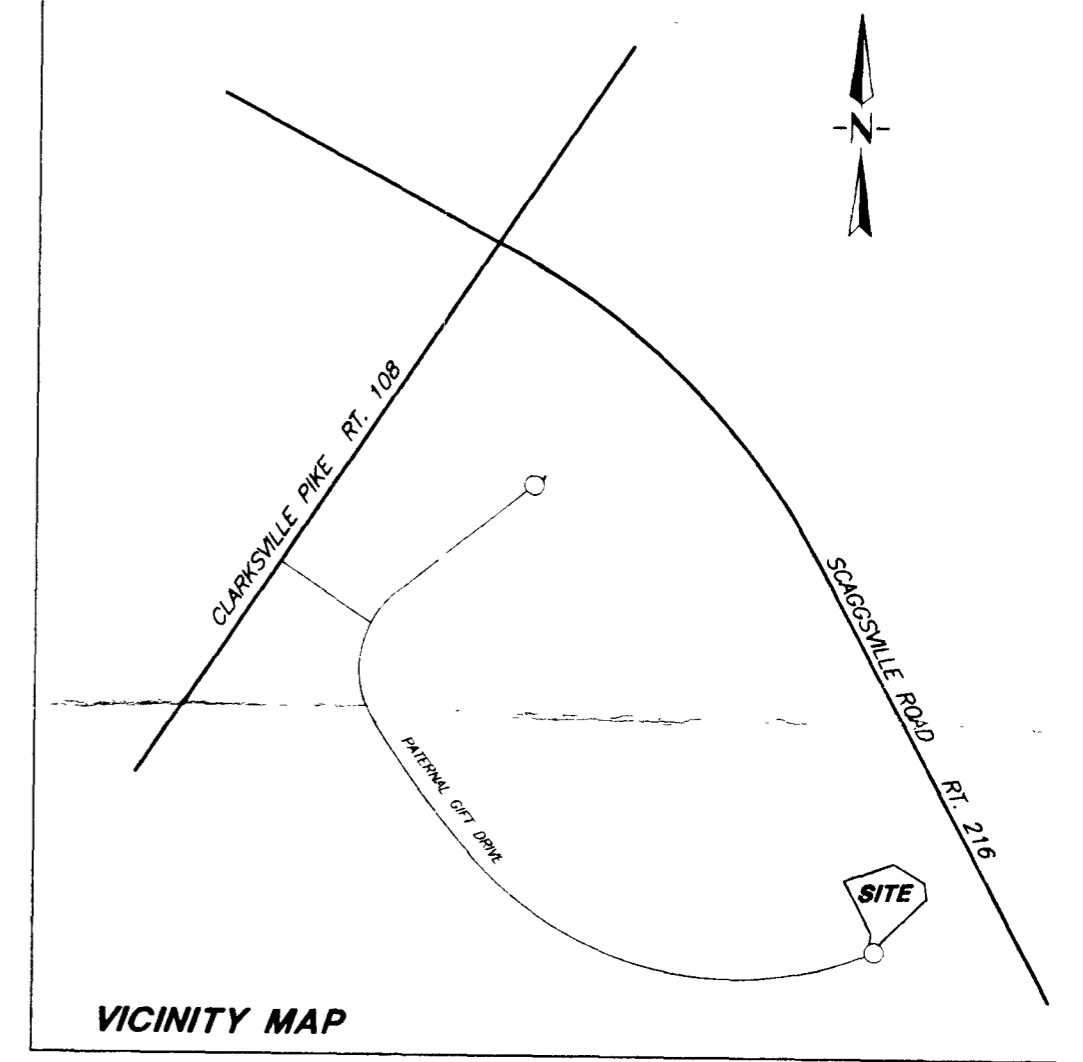
Total linear feet of trench required **280 feet**  
 Width of trench (os) **3 feet**  
 Depth of trench (os) **6 feet**  
 Depth of stone required below distribution box **2 feet**

PARCEL "A"  
 (AGRICULTURAL PRESERVATION)



PH CONU WITH BULLOCK - NEIG GARDNER, WHO AGREED;  
 - H.D. WILL ACCEPT GRAVITY/FLOW TO LOCATION SHOWN ON THIS PLAN, CONTINGENT UPON INSTALLATION OF 2ND SEPTIC TANK IN SERIES.  
 9/2/98 Cywill

- NOTES:
1. THIS PLAT HAS BEEN PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND DOES NOT NECESSARILY INDICATE ALL ENCUMBRANCES ON THIS PROPERTY.
  2. TOPOGRAPHY IS FIELD RUN BY LAVELLE & ASSOC., INC. DATED APRIL 2, 1998.
  3. BOUNDARY INFORMATION IS TAKEN FROM PLAT RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY IN PLAT No. 11969



- 1) use top Seamed ST. & HC
- 2) Based on these elevations. Needs a pumped system @ given house invert elev.

place initial trench in uppermost part of septic field

SEPTIC ELEVATIONS REQUIRED	
BSMT ELEV.	508.5
FIRST FLOOR ELEV.	517.5
INV. OUT OF HOUSE	505.2
INV. INTO SEPTIC TANK	504.6
INV. OUT OF TANK	504.3
INV. INTO DIST. BOX	504.1
INV. INTO TRENCH	503.6
EX. GRADE AT SEPTIC TANK	508.1
EX. GRADE AT DIST. BOX	507.6
EX. GRADE AT TRENCH	507.6
ELEV. OF WELL AT GRADE	511±

3) -> change elev if gravity flow  
 4' cover ok  
 No deeper than 506.9 @ 10' grade from house  
 506.8  
 505.8  
 505.5  
 509.5-3  
 509.5

SEPTIC NOTES:  
 AT CONTRACTORS OPTION, SEPTIC TANK CAN BE MOVED FARTHER AWAY FROM HOUSE. A MANHOLE CLEANOUT WILL BE REQUIRED IF TANK IS MORE THAN 3' BELOW FINISHED GRADE.

9/19/98  
 PJP

pass of info re: manhole to Lavelle & Assoc.

GRAVITY  
 2 TANKS (GRAVITY)

To: Craig Williams  
perfection 5/11/93

RE: Internal 60ft Form  
lot #4

① The well site as sited is OK, regardless of final septic area configuration (within currently discussed limits) - took to process that well permit.

② A located old Test Hole 5 was for C, B, and A (created in July '93)

# A is 20 ft off the lower right (NE corner) of final SDA and near the lowest elevation contour there (about 10 ft from back lot line - Horse Fence) - that hole had red clay to 6-7 ft then Micaceous to 12. The other only low hole was # B which failed, with clay to 8 ft - Not tested

- Test hole C (90 ft downhill of B, about 1 1/2 - 2 ft lower elevation) had water at 11 ft on July 7, '93 - Area should have had follow up wet season evaluation, but final SDA for lot #4 was assumed to be mostly buy's better Test Holes or mostly one original lot 5, which had better test holes (i.e. brown clay to 4 ft, then brown sandy loam).

- None of final approved SPAs on original lot 4, so all on east side of original lot 5. However only one "good" test hole is in this SDA, all other test holes are closer to the woods, under proposed house site, one preservation parcel or on lot #5.

(Clays #1)  
5/9/93

- If they reconfigure to L shaped SDA as shown Prelim Plan Amy's Nov '93 test hole # 1336 (red clay to 5 ft, with Ben/red clay sand begin @ 8 ft and good part of 5 ft) should be within this new area.

- However, since no confirming wet season testing was done - depth to highest water tables (such as Nov) would be useful info for septic design (especially if you lose the high area around test hole #1) (over)

## Summary

- ① - Specs for high areas would be shallow trench inlet at 4 ft, max bottom @ 6 ft. (5 min ave rate)
- ② - Specs for lowest area of SDA would be max bottom at 8 ft with 2 ft sand fill (Not gravel, to add treatment zone) and pressure dosed in the absence of confirming wet season water table info.
  - System #2 would be only choice if the loose enough the higher half of Septic Area <sup>as</sup> original plot.

# APPLICATION

PERCOLATION TESTING

A 49395

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

*Page 2*

DISTRICT \_\_\_\_\_

DATE \_\_\_\_\_

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 SUSAN SCHEIDT PINE CREST BUILDERS

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

AGENT OR PROSPECTIVE BUYER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION PATERNAL GIFT LOT NO. 4

ROAD AND DESCRIPTION (13549 PATERNAL GIFT DRIVE)

*Permit signed  
AND RETURNED 6-5-98  
Serial # B10 111 383*

TAX MAP 40 PARCEL # 90

SIZE OF LOT \_\_\_\_\_ TYPE BLDG. SFD-4BRM  
(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.

(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

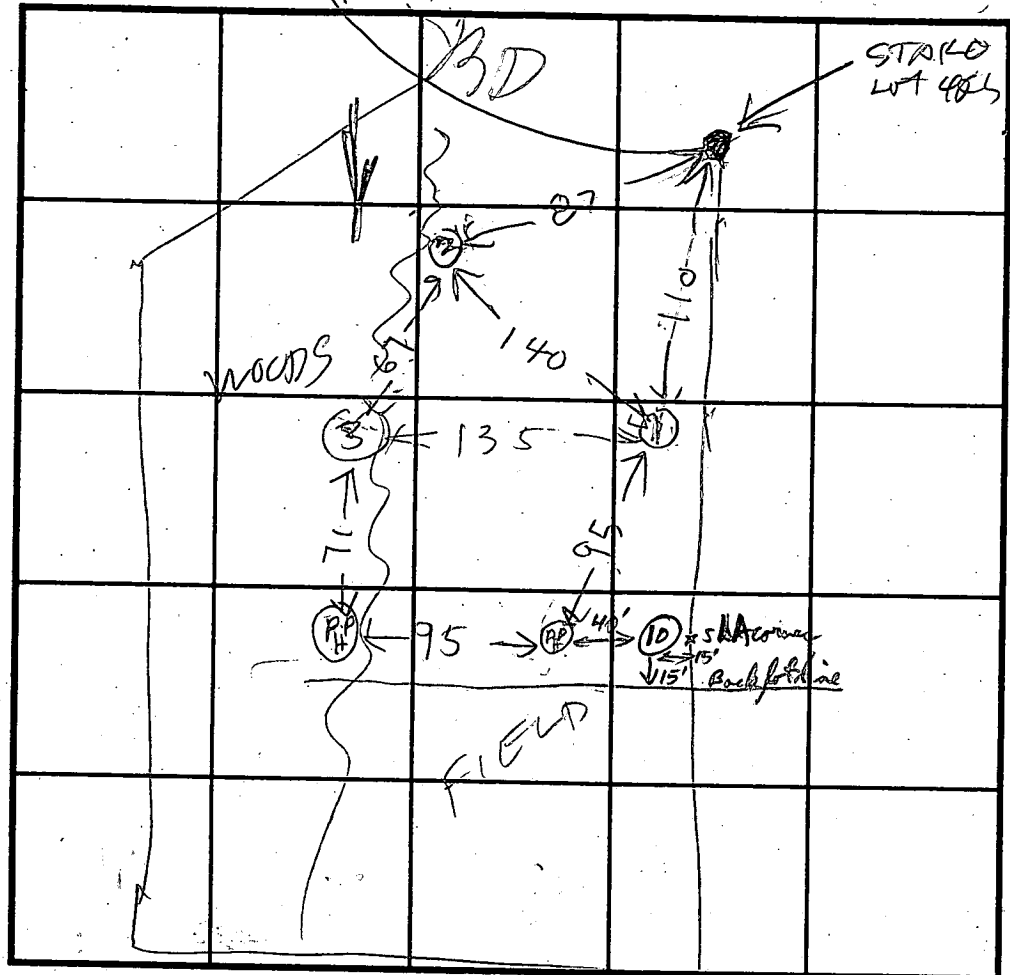
Lot 4  
49395  
COUNTY #

Paternal Gift Farm Final lot 4

SOIL PROFILE  
0'  
BROWN CLAY  
4'  
BROWN SAND LOAM  
11.5'

SOIL PROFILE  
4 1/2'  
BROWN CLAY  
BROWN SAND LOAM  
12'

SOIL PROFILE  
0'  
BROWN CLAY  
4'  
BROWN & WHITE SAND LOAM  
12'



SOIL PROFILE  
0'  
Dark Brown Silty  
Carbonaceous CL  
6-12'  
dark Brn Micaceous  
Medium to coarse  
PPH - c2d  
13'  
14'  
water level  
10'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7/20/93	1S	4.5	1051	1101	1101	1111	10
	11V	11.5	OK				
	2S	5	1054	1056	1056	1100	4
	2V	12	OK				
	3S	5	1101	1111	1111	1126	15
	3V	12	OK			11	
5/14/98		11.4 water @ 13 ft, holding water, casing @ 10 ft			look ok 7-13'		see field notes 02/10/98
Hole is actually on lot 5 (original)							

REMARKS: PPH = RON PINKLEY HOLE CONSULT WITH RP.  
 TYPE OF SOIL: LOT LINE CHANGE NEGOTIATED  
 TESTED BY: R Hodger ALSO PRESENT: Susan Gurnea, Ron & Fyoch  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME: 10 min TRENCH WIDTH: 3  
 INLET DEPTH: 4 MAXIMUM BOTTOM DEPTH: 6 SQ. FT./BEDROOM: 210

# APPLICATION

PERCOLATION TESTING

A 49395

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

DISTRICT \_\_\_\_\_

DATE 7/7/93

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 SUSAN SCHEIDT

ADDRESS 12730 HALLS SHOP ROAD HIGHLAND PHONE 531-2326  
MD. 20777

AGENT OR PROSPECTIVE BUYER FISHER COLLINS AND CARTER INC.

ADDRESS 9171 BALTIMORE NATIONAL PIKE SUITE 100 PHONE 461-2855  
ELLICOTT CITY MD. 21042

PROPERTY LOCATION:

SUBDIVISION PATERNAL GIFT LOT NO. 4

ROAD AND DESCRIPTION HALLS SHOP ROAD / 216 E 108

TAX MAP 40 PARCEL # 396, 179 & 90

SIZE OF LOT 1 AC. ± TYPE BLDG. S.F.D.  
(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. Zacharia y. Fisch (Agent)  
(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 \_\_\_\_\_

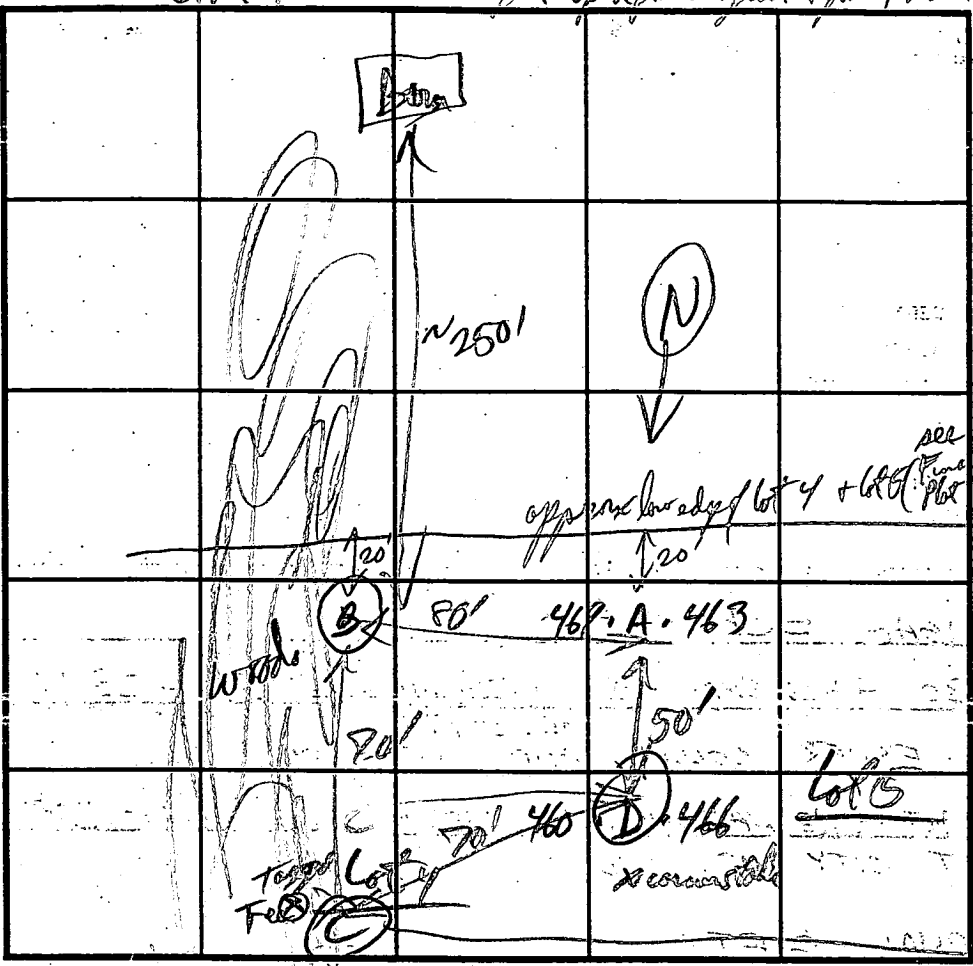
SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

# THIS IS NOT A PERMIT

SOIL PROFILE C  
 0'  
 Brn + yellow cl  
 7'  
 orange-brown variegated silty clay bearing SL depth  
 11' water @ 11' + rising  
 12'

B  
 Brn - yellow silty  
 7' #18  
 h sil  
 ↓  
 Med Brn Mica loam  
 12'

463 A  
 Red clay - hcl  
 6-7'  
 Brn variegated - Med Brn Mica loam  
 12'



SOIL PROFILE  
 0'

2' too deep for system

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7-7-93	(B)	clay @ 8' v12					Not tested
	(C)	water @ 11' + rising clay to 6-7' v12					Fail
	463 A	clay @ 7' v12 1/2					3 min
	466 (D)	clay @ 9' dark med silty L v12					water @ 12' Fail

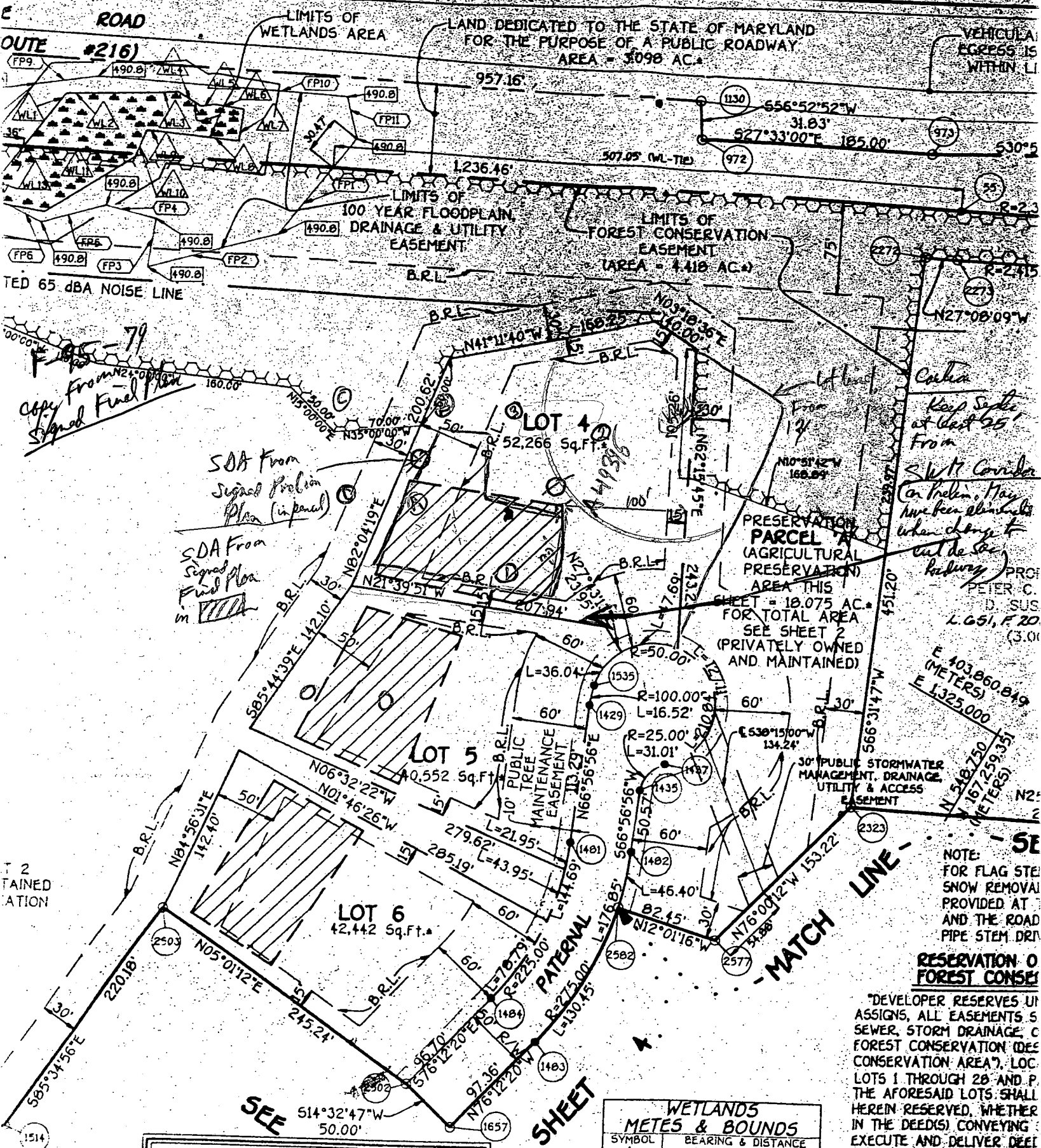
REMARKS Based on location of test hole # C all these holes are down hill of Final lot here - there is a thin line of water in the 1/2" pipe 5/14/98 PJP

TYPE OF SOIL Clay loam

TESTED BY PJP ALSO PRESENT \_\_\_\_\_

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_



Copy from Signed Final Plan

SOA From Signed Prelim Plan (in parcel)

SDA From Signed Final Plan

Carroll  
Keep Section at West 55' From  
S.W. Corner  
Carroll, Md. have been established when change to  
Railway

PROJ  
PETER C.  
D. SUS  
L.G. 51, F. 20  
(3.0)

NOTE:  
FOR FLAG STAKE  
SNOW REMOVAL  
PROVIDED AT  
AND THE ROAD  
PIPE STEM DRI

RESERVATION O  
FOREST CONSERV

\*DEVELOPER RESERVES UN  
ASSIGNS, ALL EASEMENTS S  
SEWER, STORM DRAINAGE, C  
FOREST CONSERVATION (DES  
CONSERVATION AREA\*), LOC  
LOTS 1 THROUGH 20 AND P.  
THE AFORESAID LOTS SHALL  
HEREIN RESERVED, WHETHER  
IN THE DEED(S) CONVEYING  
EXECUTE AND DELIVER DEED  
RESERVED TO HOWARD COUNT  
DESCRIPTION OF THE FORES  
COMPLETION OF THE PUBLIC  
BY HOWARD COUNTY, AND

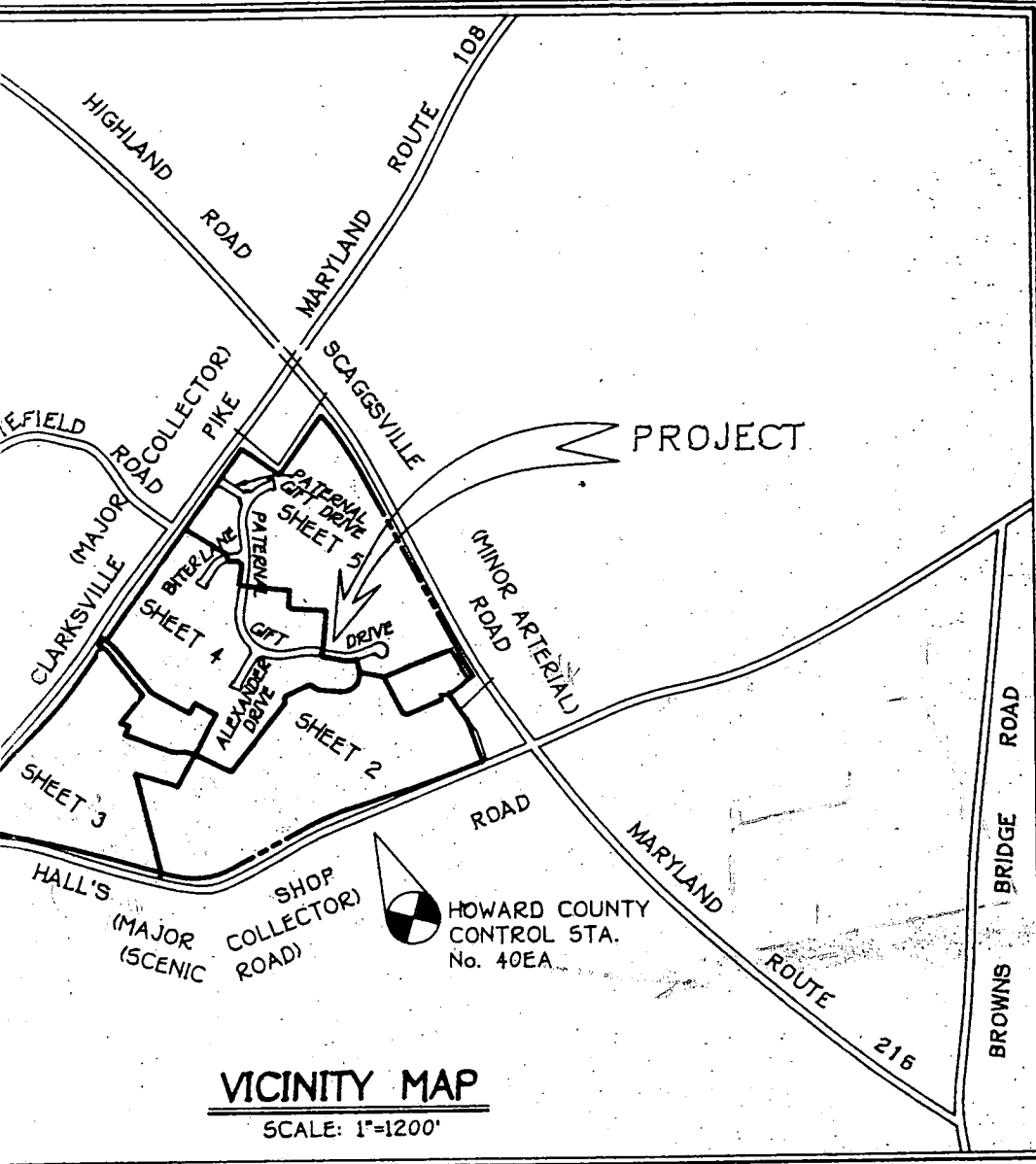
WETLANDS  
METES & BOUNDS

SYMBOL	BEARING & DISTANCE
WL1	S82°20'34"E 25.43'
WL2	S31°21'05"E 77.80'
WL3	S35°05'58"E 13.09'
WL4	S01°32'58"W 22.52'

THE REQUIREMENTS SO-100, THE REAL PROPERTY ARTICLE, ANNOTATED  
CODE OF MARYLAND, 1980 REPLACEMENT VOLUME, (AS SUPPLEMENTED  
AS FAR AS THEY RELATE TO THE MAKING OF THIS PLAT AND THE  
SETTING OF MARKERS HAVE BEEN COMPLIED WITH.

SEE  
MATCH LINE ONLY -

# GENERAL



**VICINITY MAP**  
SCALE: 1"=1200'

1. THIS AREA DESIGNATES A PRIVATE SEWERAGE SYSTEM AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF ENVIRONMENTAL AND GENERAL SERVICES FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS. THIS RESTRICTION SHALL BECOME NULL AND VOID UPON CONNECTION TO THE COUNTY HEALTH OFFICER SHALL HAVE THE NECESSARY ENCROACHMENTS INTO THE PRIVATE SEWERAGE SYSTEM. A MODIFIED EASEMENT SHALL NOT BE NECESSARY.
2. THE LOTS SHOWN HEREON COMPLY WITH THE ZONING AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF ENVIRONMENTAL AND GENERAL SERVICES.
3. SUBJECT PROPERTY ZONED RR-DEO PER 9-10-83.
4. COORDINATES BASED ON NAD '83, MARYLAND CONTROL POINT BY HOWARD COUNTY GEODETIC CONTROL STATION 41 (N 166963.204 METERS) (E 402977.139 METERS).

5. THIS PLAT IS BASED ON FIELD RUN BOUNDARIES MADE IN APRIL, 1993 BY FISHER, COLLINS & CARTER, INC.
6. B.R.L. DENOTES BUILDING RESTRICTION LINE.
7. ● DENOTES IRON PIN SET CAPPED T.C.
8. ○ DENOTES IRON PIPE OR IRON BAR FOUND.
9. ○ DENOTES ANGULAR CHANGE IN BEARING.
10. ■ DENOTES CONCRETE MONUMENT SET.
11. ■ DENOTES STONE OR MONUMENT FOUND.
12. ■ DENOTES WETLAND AREAS.
13. ——— DENOTES EXISTING CENTERLINE OF ROAD.
14. 457.0 DENOTES APPROXIMATE ELEVATION.
15. REFUSE COLLECTION, SNOW REMOVAL AND MAINTENANCE AT THE JUNCTION OF PIPE/FLAG STEM AND DRIVEWAY FLAG/PIPE STEM DRIVEWAY.
16. DRIVEWAY(S) SHALL BE PROVIDED PRIOR TO CONSTRUCTION TO SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES. REQUIREMENTS:
  - a) WIDTH - 12 FEET (16 FEET SERVING TWO VEHICLES)
  - b) SURFACE - SIX (6") INCHES OF CRUSHED GRANITE, TAR AND CHIP COATING (1 1/2" MINIMUM THICKNESS)
  - c) GEOMETRY - MAXIMUM 15% GRADE, 45-FOOT TURNING RADIUS;
  - d) STRUCTURES (CULVERT/BRIDGES) SHALL BE CAPABLE OF 125 TONS (H25-LOADING);
  - e) DRAINAGE ELEMENTS - CAPABLE OF HANDLING 10 YEAR RAINFALL WITH NO MORE THAN 1 FOOT DEPTH OF WATER.
  - f) STRUCTURE CLEARANCES - MINIMUM 14 FEET.
  - g) MAINTENANCE - SUFFICIENT TO MAINTAIN CLEARANCE.
17. NO CLEARING, GRADING OR CONSTRUCTION SHALL BE PERMITTED WITHIN THE STREAM BUFFERS, UNLESS, APPROVED BY THE ZONING OF HOWARD COUNTY, MARYLAND.
18. A TREE MAINTENANCE EASEMENT, TEN FEET WIDE OF THE PUBLIC ROAD RIGHT-OF-WAY AS SHOWN ON THIS PLAT, IS RESERVED UPON ALL LOTS FRONTING ON THIS EASEMENT. THIS EASEMENT ALLOWS HOWARD COUNTY TO MAINTAIN AND REMOVE TREES ON PRIVATE LOTS. NO BUILDING OR STRUCTURE SHALL BE CONSTRUCTED ON OR OVER THE SAID EASEMENT AREA.
19. ALL LOT AREAS ARE MORE OR LESS AS SHOWN ON THIS PLAT.
20. THE LOCATION OF THE PREDICTED AND ULTIMATE FUTURE ROADWAY FROM "ROADWAY TRAFFIC NOISE ANALYSIS" REPORT BY ENGINEERING, INC.
21. PLAT IS SUBJECT TO PRIOR DEPARTMENTAL APPROVAL UNDER PERMITS 594-06 AND P94-09.
22. PRESERVATION PARCEL A WILL BE PRIVATELY OWNED BY THE PATERNAL GIFT FARM HOMEOWNER'S ASSOCIATION.
23. ARTICLES OF INCORPORATION OF PATERNAL GIFT FARM HOMEOWNER'S ASSOCIATION, INC. FILED WITH MARYLAND STATE DEPARTMENT OF ENVIRONMENTAL AND GENERAL SERVICES ON OCTOBER 25, 1995 AS ACCOUNT No. D-100-100-100-100.
24. PRESERVATION PARCEL A IS ENCUMBERED BY A MORTGAGE WITH THE HOWARD COUNTY AGRICULTURAL COMMISSION. THIS AGREEMENT PROHIBITS THE SALE OF PRESERVATION PARCELS; OUTLINES THE MAINTENANCE REQUIREMENTS; AND ENUMERATES THE USES PERMITTED ON THE PRESERVATION PARCELS. EXISTING STRUCTURES ON THE PRESERVATION PARCELS SHALL REMAIN.
25. PLAT SUBJECT TO WAIVER PETITION WPP-100-100-100-100 (1) 16.120(a)(1 & 2) TO ALLOW EXISTING FARM DRIVE TO BE USED AS PROPOSED DRIVEWAYS TO DERIVE ACCESS TO THE PROPERTY.

## CURVE DATA TABULATION

PNT-PNT	RADIUS	ARC	DELTA	TANGENT	CHORD BEARING AND DISTANCE
46-1539	115.00'	90.51'	45°05'37"	47.74'	S55°52'57"W 80.19'
46-1541	115.00'	24.39'	12°09'13"	12.24'	N04°30'22"E 24.35'
47-49	2625.00'	500.22'	10°55'06"	250.87'	N32°35'40"W 499.46'
55-64	2375.00'	197.85'	04°46'23"	98.98'	S29°31'19"E 197.80'
90-1492	275.00'	271.62'	56°35'31"	148.05'	N19°11'40"W 260.71'
310-1490	275.00'	151.20'	31°30'06"	77.56'	S04°05'26"E 149.30'
944-945	225.00'	73.16'	18°37'50"	36.91'	S46°21'22"E 72.84'
950-959	175.00'	56.90'	18°37'46"	28.70'	N46°21'19"W 56.65'
962-1046	5014.06'	177.94'	02°02'00"	88.98'	S33°30'14"W 177.93'
962-2205	5014.06'	20.01'	01°13'43"	10.00'	S32°36'09"W 20.01'
1017-1020	495.00'	393.73'	45°34'28"	207.95'	S03°49'29"W 383.44'
1018-1020	1530.00'	297.21'	11°07'48"	149.07'	N66°36'09"E 296.74'
1021-1026	9970.00'	712.89'	04°05'49"	356.60'	N70°07'09"E 712.74'
1021-2693	9970.00'	10.50'	00°03'37"	5.25'	S68°06'20"W 10.50'
1021-2694	9970.00'	682.37'	03°55'17"	341.32'	N70°12'24"E 682.24'
1029-1031	9030.00'	661.89'	04°11'59"	331.09'	N75°29'16"W 661.74'
1036-1054	9960.00'	496.29'	02°51'10"	248.20'	S42°00'30"W 496.24'
1036-2202	9960.00'	436.29'	02°30'35"	436.29'	S42°10'51"W 436.26'
1039-1046	2305.00'	441.41'	10°58'20"	221.38'	N37°56'59"E 440.74'
1046-2205	5014.06'	157.93'	01°48'17"	78.97'	N33°37'05"E 157.93'
1054-2202	9960.00'	60.00'	00°20'42"	30.00'	N40°45'11"E 60.00'
1429-1535	100.00'	16.52'	09°28'04"	8.28'	N71°40'59"E 16.50'
1435-1437	25.00'	31.01'	71°04'46"	17.86'	S77°30'39"E 29.06'
1437-1535	50.00'	210.85'	241°36'43"	-	-
1481-1484	225.00'	144.69'	36°50'44"	74.95'	S05°22'18"W 142.21'
1482-1483	275.00'	176.85'	36°50'44"	91.60'	S05°22'18"W 173.81'
1483-2502	275.00'	130.44'	27°10'41"	66.47'	S09°47'41"E 129.23'
1485-1487	275.00'	113.44'	23°38'09"	57.54'	N08°01'24"W 112.64'
					N08°01'24"W 92.16'



# APPLICATION

PERCOLATION TESTING

A 49395

P \_\_\_\_\_

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

DISTRICT \_\_\_\_\_

DATE \_\_\_\_\_

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 Susan Schutt

ADDRESS 12730 Hall Shop Rd PHONE 531-2326

AGENT OR PROSPECTIVE BUYER Fisher, Callens and Carter

ADDRESS 9171 Balt Nat Fide Suite 100 PHONE 461-2855

PROPERTY LOCATION:

SUBDIVISION Paternal Gift LOT NO. Part of final lot #4

ROAD AND DESCRIPTION Rt. 108 + 216 area outside of final SDA

TAX MAP 40 PARCEL # 396,179,590

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. \_\_\_\_\_  
(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

Paternal Gift Farm 644 (Final Plot)

Lot 4  
 Cont. 49395

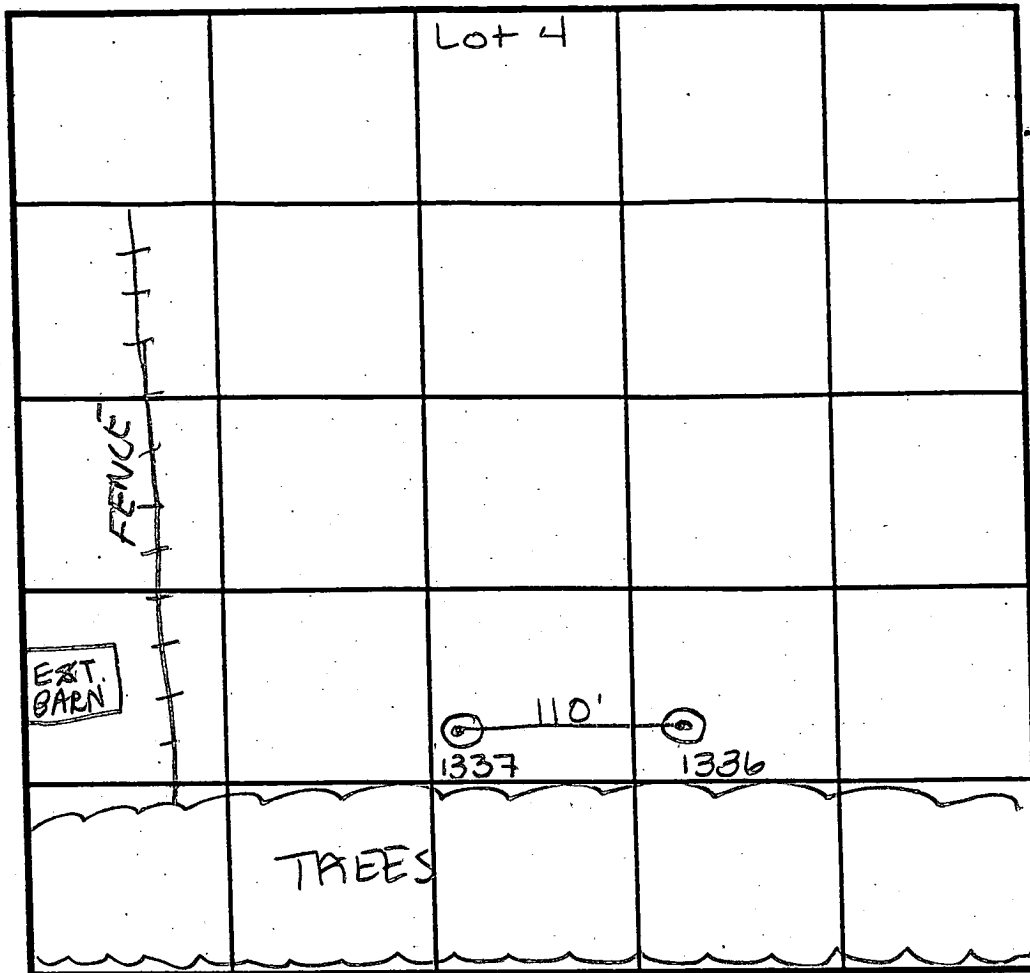
COUNTY #

SOIL PROFILE

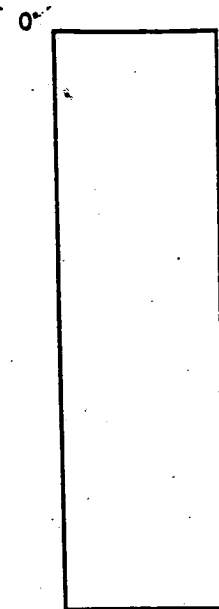
1336  
 0' red C  
 4' brn/red C  
 5' red/brn SL  
 8' brn w/ tint of red S  
 14'

1337

4' lgt brn C  
 7' red C  
 12' orange/brn SIL  
 Some rock frags larger than 2" starting at 3'



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE. Rt. 216

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11/24/93	1336	5' V14'	11:00	11:01 <sup>30</sup>	11:01 <sup>30</sup>	11:04	2 1/2 min
	1337	7' V13'	11:00	11:03 <sup>30</sup>	11:03 <sup>30</sup>	11:10	6 1/2 min
		5' V12'	11:00	11:22	11:22	>30min	F

REMARKS: (OK > 7 High; > 5' low (Neither test hole is Final Permea))

TYPE OF SOIL

TESTED BY Amy McMillen ALSO PRESENT S. Schiedt

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH

MAXIMUM BOTTOM DEPTH SO FT/BEFORE



