

LAYOUT 10/14/03-10:30 INSP 4 \_\_\_\_\_  
 INSP 2 7/16 2pm 10/15 INSP 5 \_\_\_\_\_  
 INSP 3 10/16 2pm INSP 6 \_\_\_\_\_

ISSUE DATE: 8/20/2003  
 APPROVAL DATE: 10/23/03

**PERMIT**  
**INDEXED**

*04-367278*

P 519091  
 A 510610-Q

**ON-SITE SEWAGE DISPOSAL SYSTEM**  
**HOWARD COUNTY HEALTH DEPARTMENT**  
**BUREAU OF ENVIRONMENTAL HEALTH**  
**3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MD 21043**

South Carroll Backhoe, Inc. IS PERMITTED TO INSTALL  ALTER

ADDRESS: 4410 Salem Bottom Rd., Westminster PHONE NUMBER: 410-875-4197

SUBDIVISION: Maple Ridge LOT NUMBER: 17

ADDRESS: 16174 Carr's Mill Road PROPERTY OWNER: NVR Inc.

SEPTIC TANK CAPACITY (GALLONS): 1250 OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): N/A COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: 180

LINEAR FEET OF TRENCH REQUIRED: 240 HOUSE SERVED BY PUBLIC WATER  *5'*

TRENCHES:	Trench to be 3.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 3.0 feet below original grade. Effective area begins at 5.0 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box 155' down the left lot line and 10' off this same lot line. Run (3) trenches (60', 90', 90') on contour to right side of lot.
NOTES:	

PLANS APPROVED: MER OK SRK 8/20/03 DATE: 7/21/03

NOTES: PERMIT VOID AFTER 2 YEARS  
 CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS  
 WATERTIGHT SEPTIC TANKS REQUIRED  
 ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED  
 MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED  
 CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE REGULATIONS, GUIDELINES AND THE TERMS OF THIS PERMIT

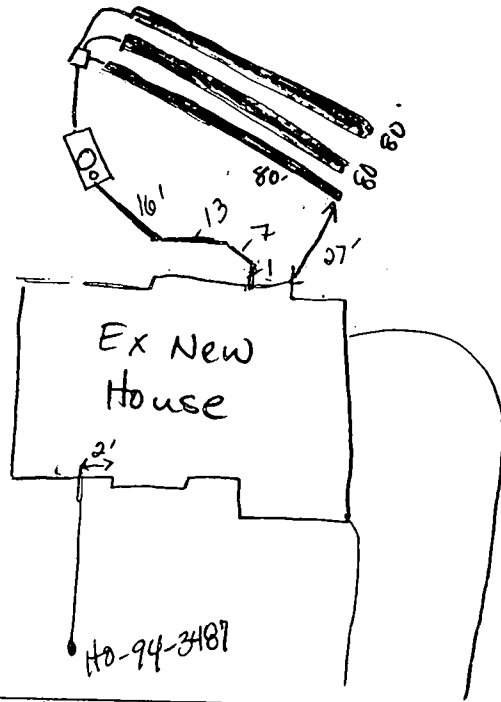
**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM**

**BUILDING PERMITS SIGNED AND RETURNED** LEAVE ANY REQUEST FOR INSPECTION ON VOICEMAIL

*9-10-03 800 1437 81-UG TANK  
 4-26-05 800 153383-DECK*

*4510610-Q*

NOT TO SCALE



CARRS Mill

ROAD

TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	3'	5'
NUMBER OF TRENCHES		3
TOTAL LENGTH		240'
ABSORPTION AREA		720 #
DISTRIBUTION BOX LEVEL		yes
DISTRIBUTION BOX BAFFLE		yes
DISTRIBUTION BOX PORT		NO

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	yes
CAPACITY	*1500 GAL
SEAM LOC	top
TANK LID DEPTH	1 1/2'
BAFFLES	yes
BAFFLE FILTER	No
MANHOLE LOC	middle
6" PORT LOC	front
WATERTIGHT TEST	NO
SEPTIC TANK 2 LEVEL	N/A
CAPACITY	_____ GAL
SEAM LOC	_____
TANK LID DEPTH	_____
BAFFLES	_____
BAFFLE FILTER	_____
MANHOLE LOC	_____
6" PORT LOC	_____
WATERTIGHT TEST	_____

PRE-CONSTRUCTION 10/14/03 Layout per plan. OK to start. Topo is a little more parallel to house than shown on plan. (KN)

INSTALLATION 10/14/03 WPT OK to cover (KN) 10/15/03 Tank set. 1<sup>st</sup> trench installed. Soil permeability improves on driveway side of house @ 4 1/2'. Count bottom area only. OK TO CONTINUE.

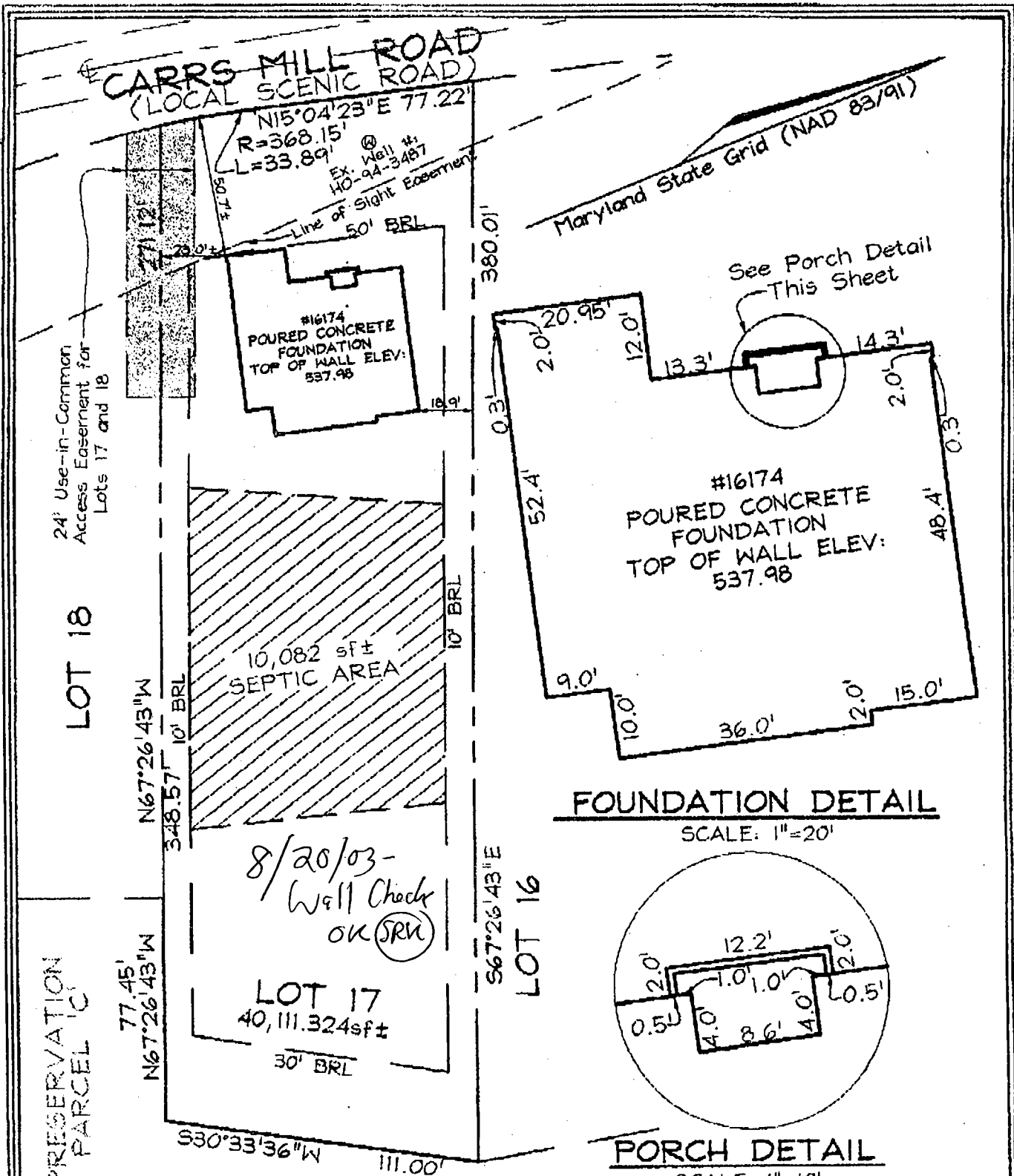
BUILDING PERMIT SIGNED AND RETURNED

FINAL INSPECTOR

Raei Norman

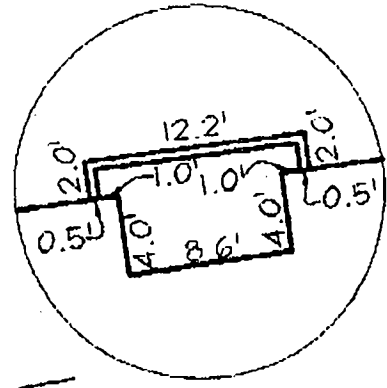
DATE OF APPROVAL

10/23/03



**FOUNDATION DETAIL**

SCALE: 1"=20'



**PORCH DETAIL**

SCALE: 1"=10'

**PLAN VIEW**

SCALE: 1"=50'

**LEGEND**

- F/P = FIREPLACE
  - B/W = BAY WINDOW
  - D/W = DRIVEWAY
  - CONC = CONCRETE
  - O/H = OVERHANG
  - H/P = HEAT PUMP/AIR COND.
  - G/M = GAS METER
  - E/M = ELECTRIC METER
- DIMENSIONS FROM FOUNDATION WALL TO PROPERTY LINE ARE ±0.1'

ADDRESS No.: 16174 CARRS MILL ROAD  
 TOP OF WALL ELEV. = 537.98' FIRST FLOOR ELEV. = N/A  
 THE LOCATION DRAWING IS OF BENEFIT TO THE CONSUMER ONLY  
 INSOFAR AS IT IS REQUIRED BY A LENDER OR A TITLE INSURANCE  
 COMPANY OR ITS AGENT IN CONNECTION WITH CONTEMPLATED  
 TRANSFER, FINANCING OR REFINANCING;  
 THE LOCATION DRAWING IS NOT TO BE RELIED UPON FOR THE ES-  
 TABLISHMENT OR LOCATION OF FENCES, GARAGES, BUILDINGS, OR  
 OTHER EXISTING OR FUTURE IMPROVEMENTS;  
 AND THE LOCATION DRAWING DOES NOT PROVIDE FOR THE  
 ACCURATE IDENTIFICATION OF PROPERTY BOUNDARY LINES, BUT  
 SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER  
 OF TITLE OR SECURING FINANCING OR REFINANCING.

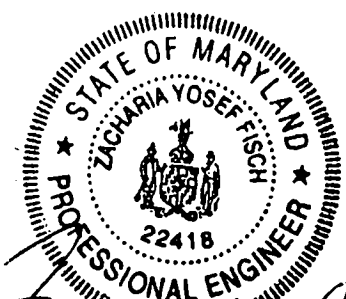
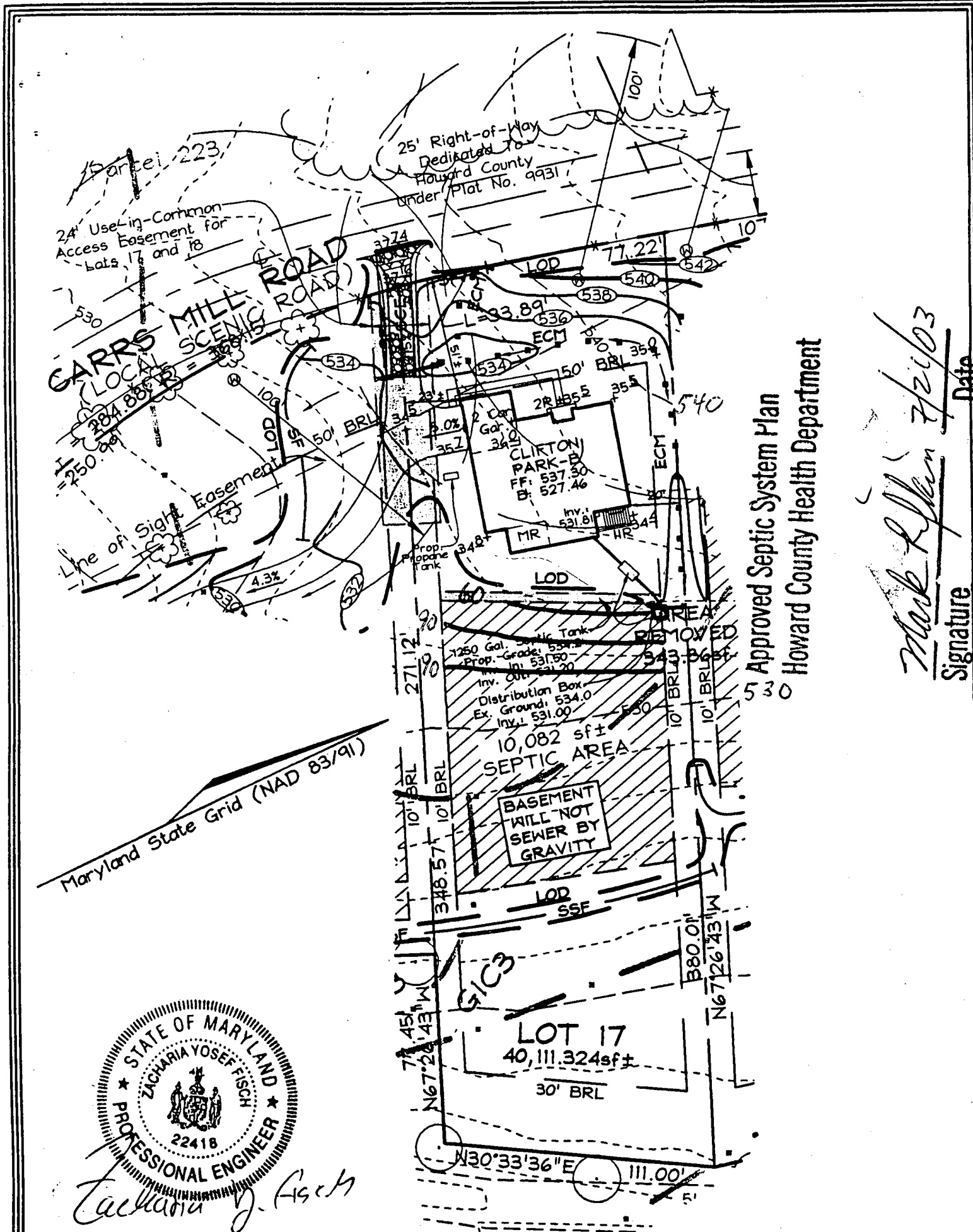
**FSH Associates**

Engineers-Planners-Surveyors  
 8318 Forrest Street Ellicott City, MD 21043  
 Tel: 410-750-2261 Fax: 410-750-7350  
 E-mail: FSHAssociates@cs.com

LOCATION DRAWING	
FOUNDATION	Date: 08/05/03
FINAL	Date:
DRAWN BY:	GS
SCALE:	As Shown
W.O. No.:	3138



**WALL CHECK**  
 LOT 17  
 MAPLE RIDGE  
 PLAT No. 15667  
 4TH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND



Zacharia Y. Fisch

**FSH Associates**

Engineers Planners Surveyors  
8318 Forrest Street Ellicott City, MD 21043  
Tel: 410-750-2251 Fax: 410-750-7350  
E-mail: FSHAssociates@cs.com

**OWNER/DEVELOPER**

NV HOMES  
2200 Defense Highway, Suite 301  
Crofton, Maryland 21114  
301.858.0522

Note: See Approved Grading Plan GP-03-16 for Entire Site.

DESIGN BY: PS  
DRAWN BY: GS  
CHECKED BY: ZYF  
SCALE: 1"=50'  
DATE: June 19, 2003  
W.O. No.: 3138  
SHEET No.: 1 OF 1

**LOT RESITE  
LOT 17  
MAPLE RIDGE**

TAX MAP 8 GRID 12 & 20  
4TH ELECTION DISTRICT

PARCEL 51 & 378  
HOWARD COUNTY, MARYLAND

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: Robert L. Feezer Co. Inc Telephone #: 410-781-4655  
Address: 6321 Barn Hill Ave.  
Sykesville, MD

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer  
License # and name of individual responsible for the field installation:  
Name (Print): Robert L. Feezer License # 2122

\*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 Homes Telephone #: 410-379-5436  
Subdivision: Mud Run Lot #: 17 Well Tag #: HO-94-3487  
Site Address: 16174 CARD MILL ROAD

**Submersible Pump Data**      **Pitless Adapter**      **Well Cap and Electric Conduit**  
Make: Sta-R-D      Make: Campbell      Two piece watertight cap:   
Model #: 7PY002NL-04      Model #: PT 800      Screened, vented well cap:   
Pump Capacity: 7 GPM      Depth: 40" (36" min)      Cap secured to casing:   
Well Yield: 12 GPM      NSF approved:       Conduit min 18" B.G.:   
Depth of well encountered at time of pump installation: 3.00 (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 arrestors or Cable Guard are required - Must circle one  
Safety rope, if used, attached to inside of well casing with eye bolt

**Piping to house**      **House Connection**  
Type: Poly      PVC sleeved to undisturbed soil at wall penetration:   
PSI: 200 (160 psi min)      Approximate length of sleeve: 5'  
Depth of supply line: 40 (36" min)      Sleeve caulked and sealed properly:

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: Robert L. Feezer      Date: 10/16/03  
Job was inspected by Kavly      Date: 10/14/03 12:00

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

Date Insp. Requested: 10/14/03      Date Insp. Approved: 10/14/03 KN 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

C 14236 SEQUENCE NO. (MDE USE ONLY)

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

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED. COUNTY NUMBER AS10610

ST/CO USE ONLY DATE RECEIVED DATE WELL COMPLETED

Depth of Well 300 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-04-3484

OWNER LANDSCAPE DEVELOPMENT STREET OR RFD CARRS MILL ROAD TOWN LISBON SUBDIVISION MAPLE RIDGE SECTION LOT 17

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. Rows include topsoil, red rocky clay, reddish brown shale, brown slate, greenish gray slate, brown slate, blueish gray slate w/ quartz.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y) (N) TYPE OF GROUTING MATERIAL (C) (M) (B) (C) NO. OF BAGS 26 NO. OF POUNDS 2600 GALLONS OF WATER 156 DEPTH OF GROUT SEAL 62

CASING RECORD

MAIN CASING TYPE (S) (T) (P) (L) (O) (T) Nominal diameter top (main) casing 6 Total depth of main casing 68

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

SCREEN RECORD

screen type or open hole (S) (T) (B) (R) (H) (O) (P) (L) (O) (T) insert appropriate code below

NUMBER OF UNSUCCESSFUL WELLS: 0

DEPTH (nearest ft.)

Table with columns: E, A, C, H, S, R, E, E, N. Rows for depth measurements: 60, 66, 300.

WELL HYDROFRACTURED (Y) (N)

CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

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...

DRILLERS LIC. NO. 1 MWD 040 George F. Easterday DRILLERS SIGNATURE

LIC. NO. 1 JUD 727 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

TELESCOPE CASING LOG INDICATOR OTHER DATA

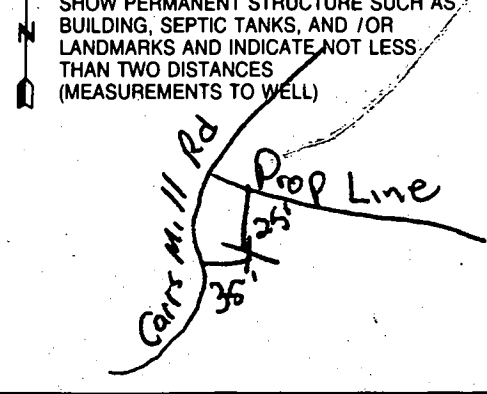
PUMPING TEST

HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 12. METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 46 ft. WHEN PUMPING 52 ft. TYPE OF PUMP USED (for test) (S) submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP (CIRCLE) (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 LAND SURFACE 2 (nearest foot) (-) below 50 51

LOCATION OF WELL ON LOT







B 1 2178

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type

STATE PERMIT NUMBER

HO-94-3487 fill in this form completely

Date Received (APA) 09-16-02

OWNER INFORMATION 9123

Landscape Development 15 Last Name Owner First Name 34 16307 Carrs Mill Road 36 Street or RFD 55 Woodbine, Md 21797 57 Town 70 State 72 Zip 76

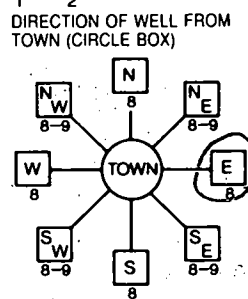
B 3 LOCATION OF WELL

Howard CC# 8 COUNTY 21 Maple Ridge 23 SUBDIVISION 42 SECTION 44 46 LOT 48 50 17 Lisbon 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 L. Franklin Easterday, Inc. Firm Name 9265 Brown Church Rd., MT. Airy, Md. 21771 Address George F. Easterday Signature Date 7/12/2002

B 4



Carrs Mill Road 11 NEAR WHAT ROAD 30 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH 34 35 37 SOUTH 38 39 DISTANCE FROM ROAD FT. ENTER FT OR MI TAX MAP: 8 BLK: 14 PARCEL: 51/378

B 2 WELL INFORMATION APPROX. PUMPING RATE (GAL PER MIN.) 5

AVERAGE DAILY QUANTITY NEEDED (GAL PER DAY) 14 500 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION (circled) F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) I INDUSTRIAL, COMMERCIAL, DEWATERING P PUBLIC WATER SUPPLY WELL T TEST, OBSERVATION, MONITORING G GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard COUNTY NAME AS10610 COUNTY NO. STATE SIGNATURE INSERT S DATE ISSUED 08/15/02 Mark E. Pflin 8/15/03 41 43 MM DD YY 48 CO SIGNATURE EXP. DATE NORTH GRID 543 000 EAST GRID 785 000 50 55 57 63

APPROXIMATE DEPTH OF WELL 24 300 28 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) 39 CABLE REVerse-ROTary Drive-POINT 37 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 39 D THIS WELL WILL DEEPEM AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 52

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

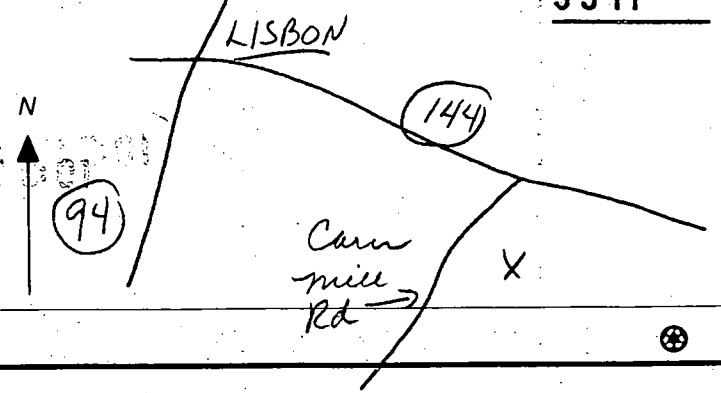
- 1. wells 2. 3.

WRITE THE BOX NUMBER FROM THE MAP HERE

785 5 540 3 E N

Grant 9/3/02 7 A.M. 60' casing 300' 62' Artesian flow 26' Bays 12 GPM (circled 30)

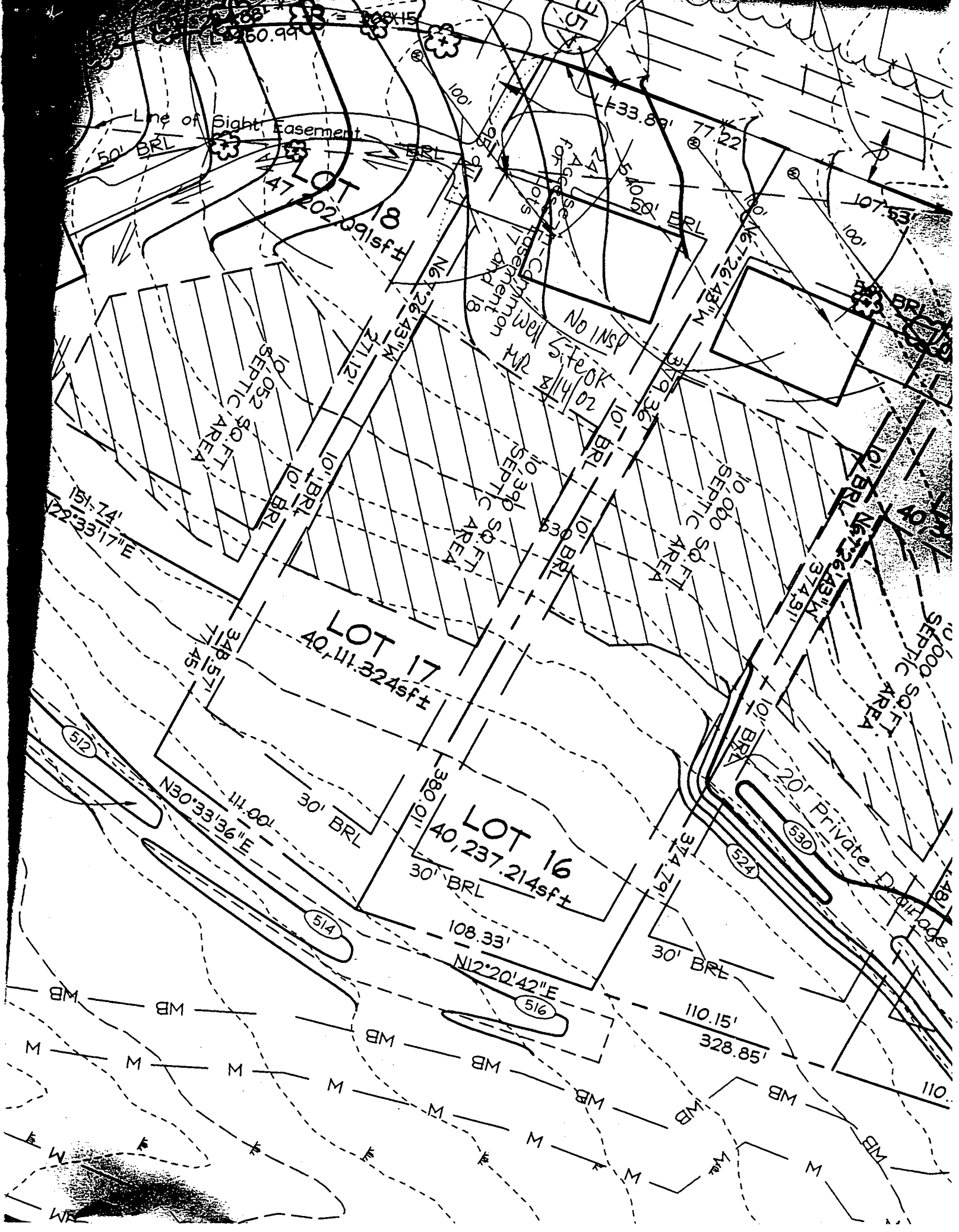
DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION



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

APPROP. PERMIT NUMBER G PERMIT No. HO-94-3487 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS



33' = 288.15'  
260.99'

515

Line of Sight Easement  
50' BRL

LOT 18  
40,202.091sf

for access to  
lots 17  
and 18  
Well  
No INSP  
57' x 107'  
5/1/02

10' 0.52 SQ. FT.  
SEPTIC AREA

10' 3.90 SQ. FT.  
SEPTIC AREA

10' 0.06 SQ. FT.  
SEPTIC AREA

10' 0.00 SQ. FT.  
SEPTIC AREA

LOT 17  
40,111.324sf

LOT 16  
40,237.214sf

20' Private Dr

N30°33'36"E  
111.00'

108.33'  
N12°20'42"E

110.15'  
58.82'

512

514

515

524

530

MB  
M  
W

# APPLICATION

## PERCOLATION TESTING

A \_\_\_\_\_

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2940

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 James Ward

ADDRESS 16307 Carrs Mill Road PHONE (410) 442-2033  
WOODBIKE MD. 21797

AGENT OR PROSPECTIVE BUYER for Zacharia Fisch FISHER COLLINS & CARTER

ADDRESS 10272 Baltimore National Pike PHONE (410) 461-2855  
ELLICOTT CITY MD. 21042

PROPERTY LOCATION:

SUBDIVISION Ward prop. LOT NO. 17/18

ROAD AND DESCRIPTION Carrs Mill Road.

TAX MAP 8 PARCEL # 51 3378

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 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 J. 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

COUNTY #

SOIL PROFILE  
2533

0' brn  
SiCLM

3.0 red  
brn  
SiLM

10.0 some  
evidence  
of  
H<sub>2</sub>O  
OK  
Shallow

12.0 2155

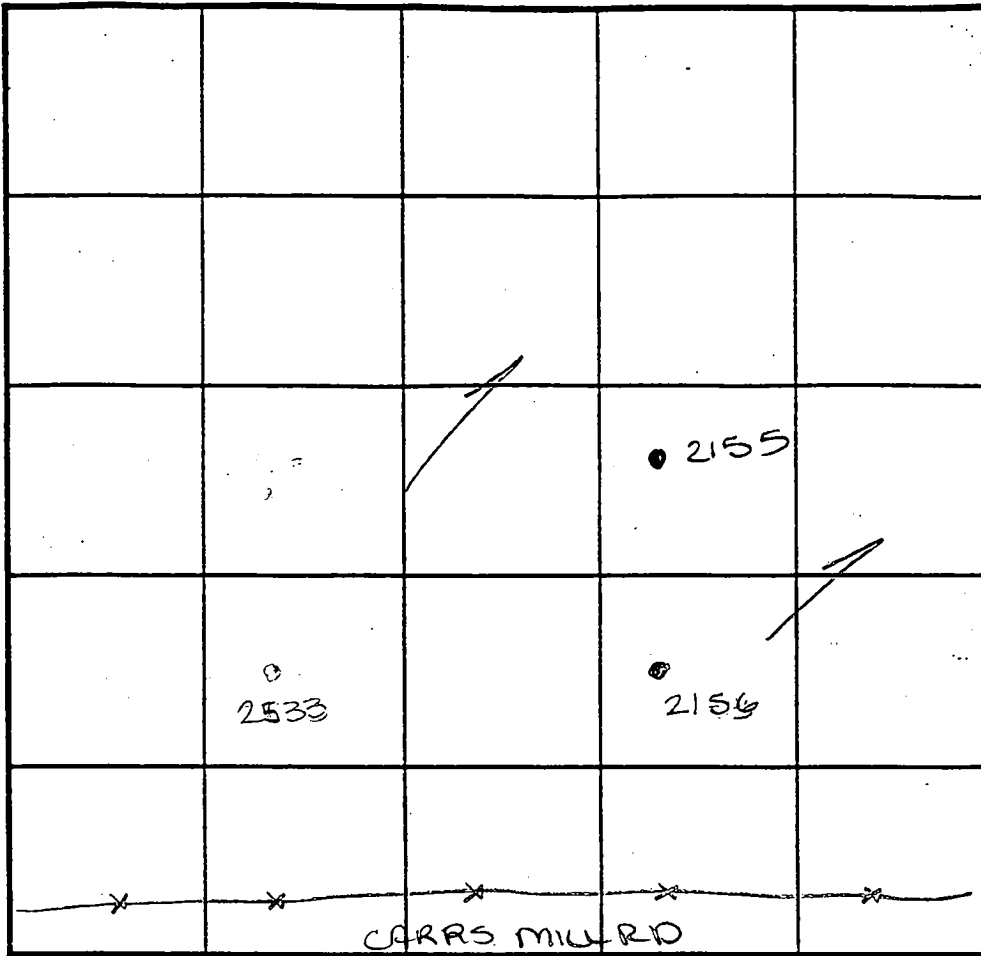
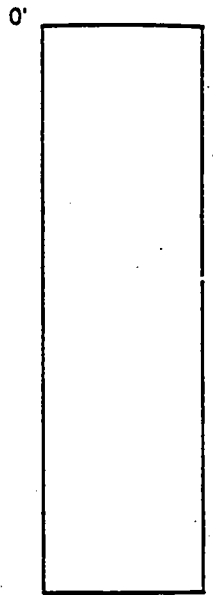
brn  
SiCLM



6 grey  
mottled  
SiLM

11 water

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4-21-99	2533	Visual to 12.0	- see profile		---		OK Shallow ✓
	2155	Insufficient depth to 6.0 see profile					F
	2156	water @ 8.0' - insufficient depth					
		to H <sub>2</sub> O					F

REMARKS \_\_\_\_\_

TYPE OF SOIL \_\_\_\_\_

TESTED BY Amy McMillen ALSO PRESENT \_\_\_\_\_

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

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

COUNTY #

SOIL PROFILE  
901

Orange  
brown  
Silt Lm

3.0

lgt  
pink  
Salm

7-9'  
20%  
R<sub>1</sub>

10%  
R<sub>x</sub>  
below

3.5

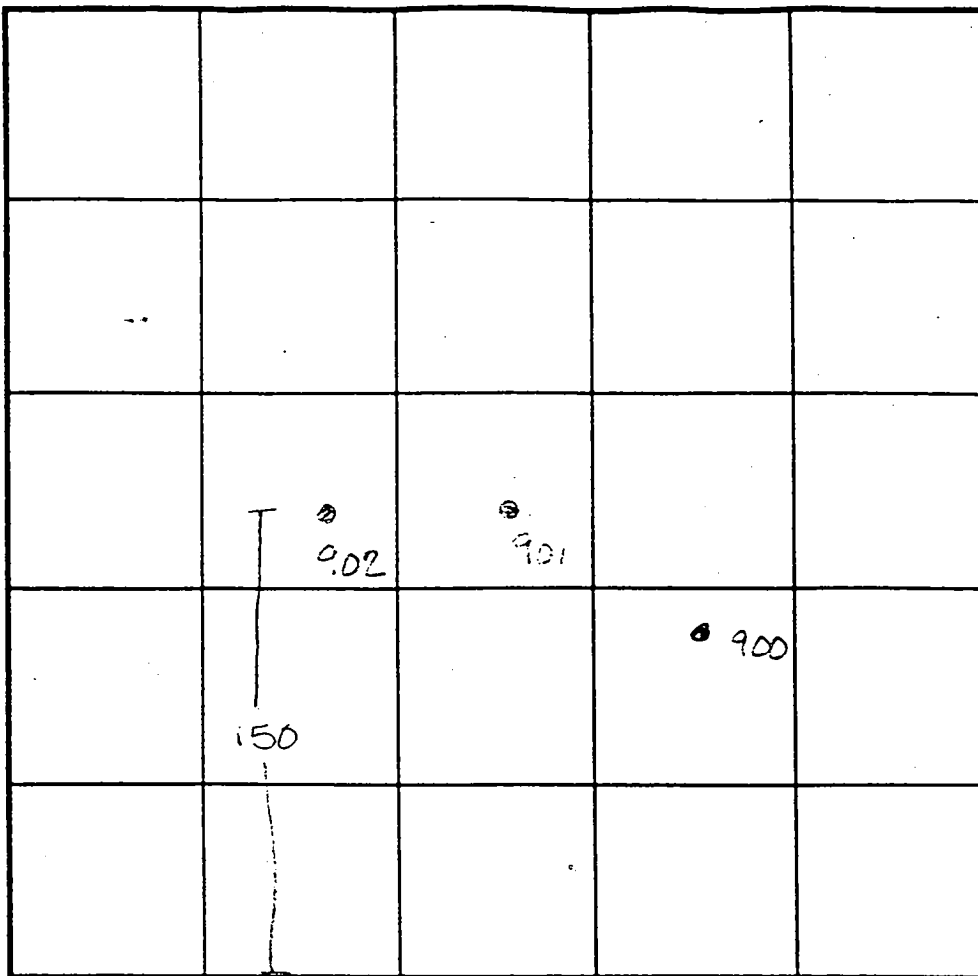
902 900

like  
901  
but  
30%  
R<sub>1</sub>  
packet  
from  
7-9'

3.0

SOIL PROFILE

0'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Carrs Mill Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9-11-00	901	Visual	to 13.5	—	—	—	OK
	902	Visual	to 13.0	—	—	—	OK
	900	Visual	to 13.0	—	—	—	OK

REMARKS

TYPE OF SOIL

TESTED BY A McMullen & Kerr A Wally ALSO PRESENT 2 Fish

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

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

17

COUNTY #

SOIL PROFILE  
2530

red  
brown  
silum  
some  
pink

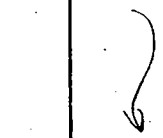
4.0  
lgt  
pink  
silum  
at an  
indeterminable  
point  
soil begins  
to become  
dull  
brown

2532

dark  
orange  
orn  
silum

4.0  
lgt  
orange  
silum

5  
>50%  
Rx

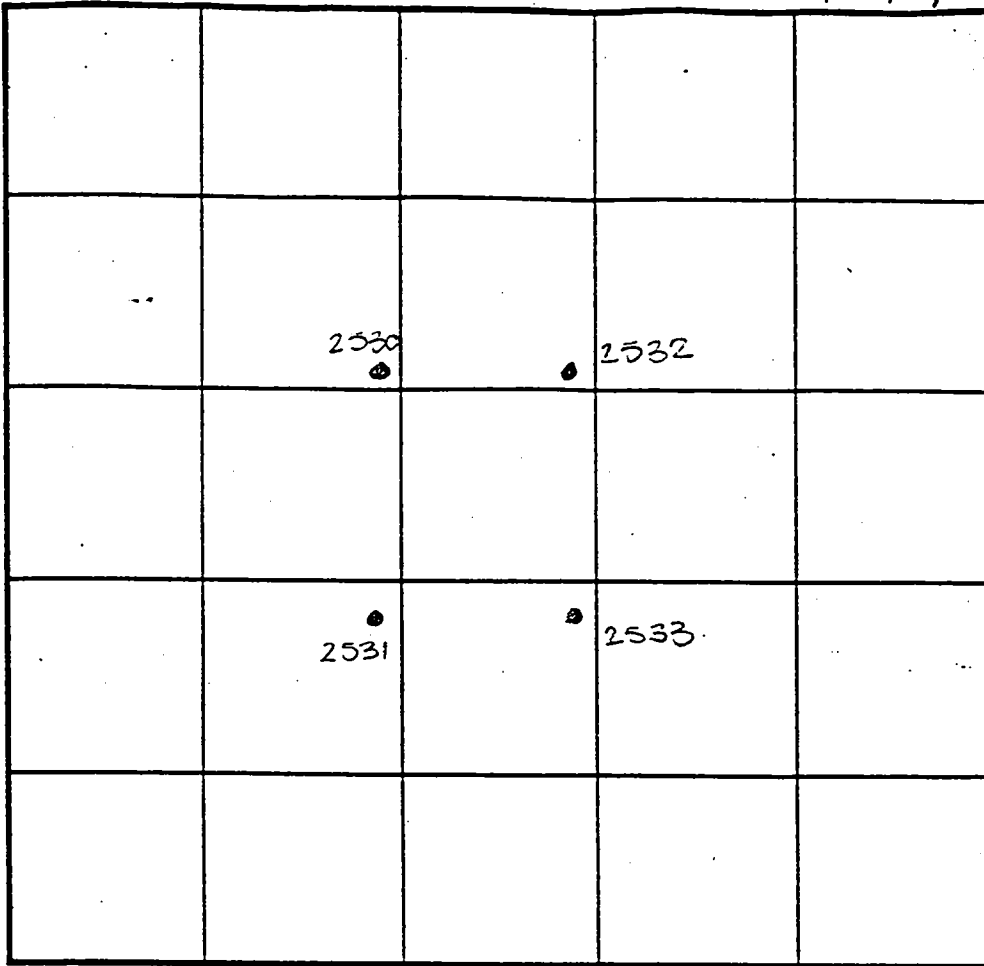
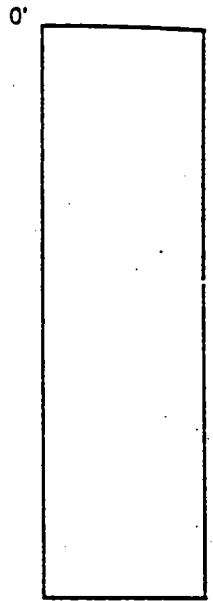


2533 2531

no  
distinct  
clay  
layer  
lgt  
pink  
silum  
<5%  
Rx

12.0

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
9-17-98	2530	4.5 V11.5	1:45	1:46	1:46	1:51	5min	
	2532	Insufficient depth to bedrock.						
		see profile	—————				F	
	2533	4.5 V12.0	1:39	1:41	1:41	1:45	4min	
		7.5 V12.0	1:38	1:42	1:42	1:47	5min	
	2531	Visual to 11.5	- see profile		—————		OK ✓	

REMARKS Wet Season

TYPE OF SOIL \_\_\_\_\_

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

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

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



P. 01.005 6/20/01

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P. 217

P. 205

P. 210

CARR (LOCAL RD)

LOT 2 WARD PROPERTY PLAT No. 9931 2403

PROP. CONC. PEDESTRIAN STANDING PAD

PROPOSED STREET LIGHT

RIDGE

10' TREE MAINTENANCE EASEMENT

EXISTING FARM ROAD TO BE ABANDONED

CENTERLINE OF EXISTING ROADWAY

24' USE-IN-COMMON ACCESS EASEMENT

25' RIGHT-OF-WAY DEDICATED TO HOWARD COUNTY UNDER PLAT No. 9931

24' USE-IN-COMMON ACCESS EASEMENT

MAPLE

LOT 11 40,000 SQ.FT. ±

LOT 12 40,515 SQ.FT. ±

LOT 13 40,095 SQ.FT. ±

LOT 14 40,000 SQ.FT. ±

LOT 15 40,000 SQ.FT. ±

LOT 16 40,000 SQ.FT. ±

LOT 17 40,000 SQ.FT. ±

318

316

349

350

351

1-4

1-5

352

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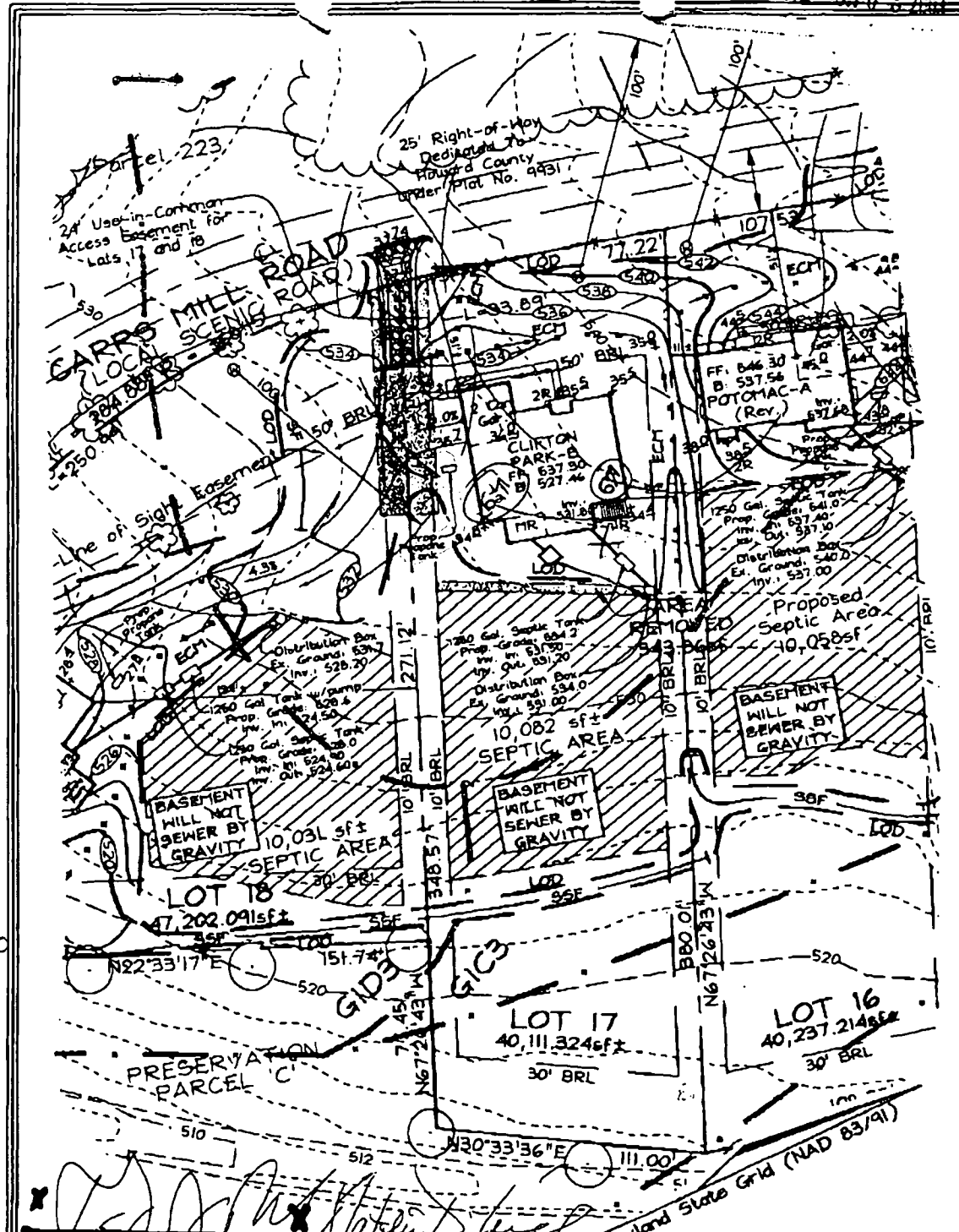
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BOON3781  
 9/10/03  
 TAB L.P.  
 Tank location  
 O.K.

BP#  
 00147638

**FSH Associates**

Engineers Planners Surveyors  
 8318 Foreast Street Ellicott City, MD 21043  
 Tel: 410-750-2251 Fax: 410-750-7350  
 E-mail: FSHAssociates@aol.com

**OWNER/DEVELOPER**

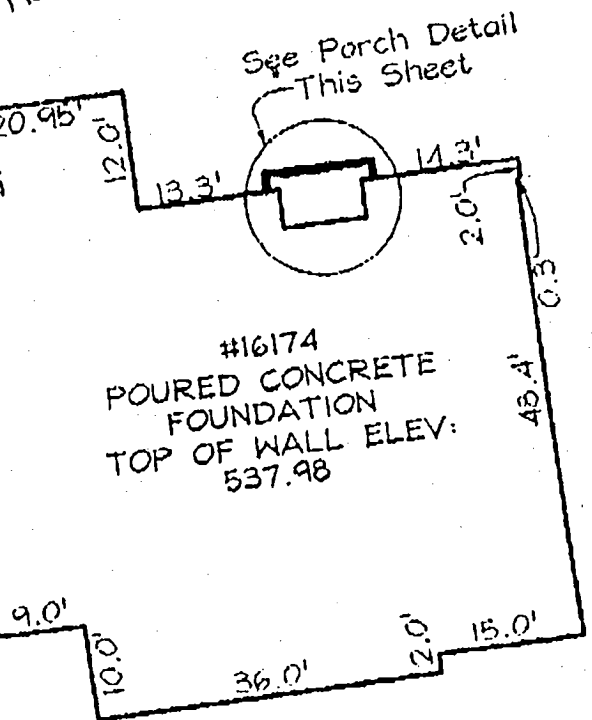
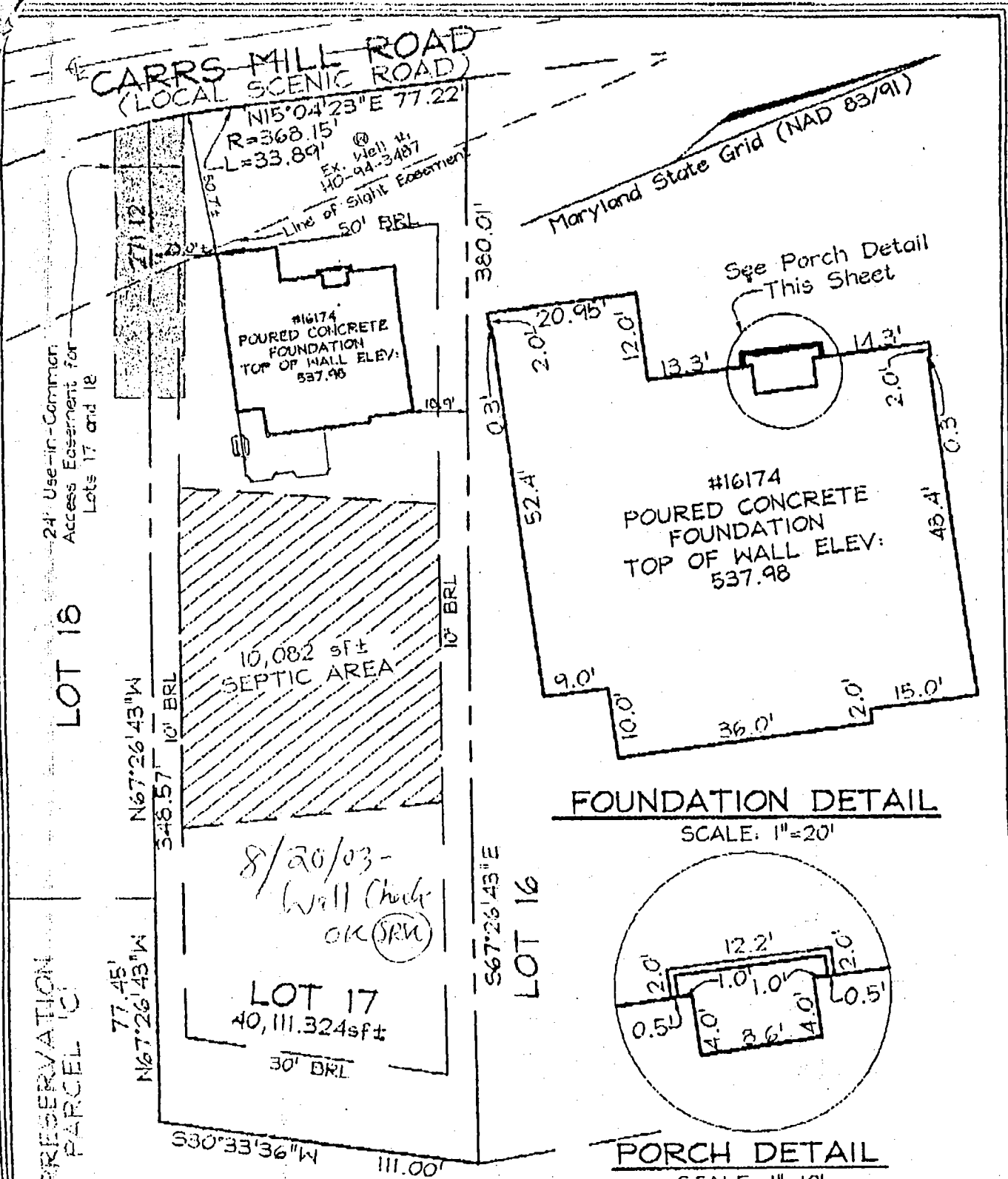
NV HOMES  
 2200 Defense Highway, Suite 301  
 Crofton, Maryland 21114  
 301.858.0522

Note: See Approved Grading Plan GP-03-16 for Entire Site.

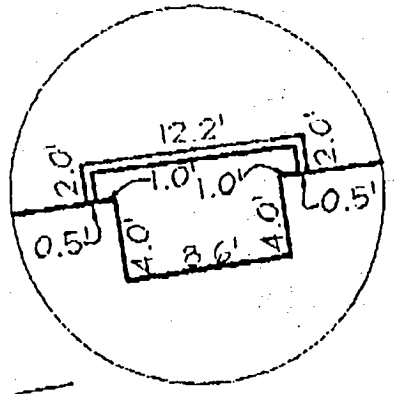
DESIGN BY:	PS
DRAWN BY:	GS
CHECKED BY:	ZTF
SCALE:	1"=50'
DATE:	June 02, 2003
W.O. No.:	5195
SHEET No.:	1 OF 1

**LOT RESITE**  
 LOT 17 = *boxed house 2*  
**MAPLE RIDGE**  
 TAX MAP B GRID 12 & 20  
 4TH ELECTION DISTRICT  
 PARCEL 51 & 378  
 HOWARD COUNTY, MARYLAND

GP-03-16



**FOUNDATION DETAIL**  
SCALE: 1"=20'



**PORCH DETAIL**  
SCALE: 1"=10'

**LEGEND**

- F/P - FIREPLACE
- B/W - BAY WINDOW
- D/W - DRIVEWAY
- CONC - CONCRETE
- O/H - OVERHANG
- H/P - HEAT PUMP/AIR COND.
- G/M - GAS METER
- E/M - ELECTRIC METER

DIMENSIONS FROM FOUNDATION WALL TO PROPERTY LINE ARE ±0.1'

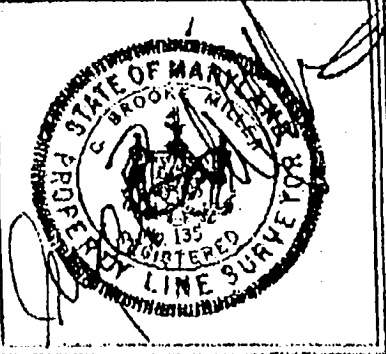
**PLAN VIEW**  
**APPROVED**  
SCALE: 1"=50'

**WALKTHRU BUILDING PERMIT**  
BP# B00153383 A# 519091  
APP. SANJAY DATE: 4/26  
DESC. OF WORK 27x14 Deck  
variance approved

**FSH Associates**  
Engineers Planners Surveyors  
8318 Forrest Street Ellicott City, MD 21043  
Tel: 410-750-2261 Fax: 410-750-7350  
E-mail: FSHAssociates@cs.com

ADDRESS No. 16174 CARRS MILL ROAD  
TOP OF WALL ELEV. = 537.98' FIRST FLOOR ELEV. = N/A  
THE LOCATION DRAWING IS OF BENEFIT TO THE CONSUMER ONLY INsofar AS IT IS REQUIRED BY A LENDER OR A TITLE INSURANCE COMPANY OR ITS AGENT IN CONNECTION WITH CONTEMPLATED TRANSFER, FINANCING OR REFINANCING;  
THE LOCATION DRAWING IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATION OF FENCES, GARAGES, BUILDINGS, OR OTHER EXISTING OR FUTURE IMPROVEMENTS;  
AND THE LOCATION DRAWING DOES NOT PROVIDE FOR THE ACCURATE IDENTIFICATION OF PROPERTY BOUNDARY LINES, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING OR REFINANCING.

<b>LOCATION DRAWING</b>	
FOUNDATION	Date: 08/05/03
FINAL	Date:
DRAWN BY:	GS
SCALE:	As Shown
W.O. No.:	313B



**WALL CHECK**  
LOT 17  
MAPLE RIDGE  
PLAT No. 15667  
4TH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND



Howard County  
Health Department

7178 Columbia Gateway Drive, Columbia, MD 21046  
(410) 313-2640 Fax (410) 313-2648  
TDD (410) 313-2323 Toll Free 1-866-313-6300  
website: [www.hchealth.org](http://www.hchealth.org)

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Penny E. Borenstein, M.D., M.P.H., Health Officer

April 26, 2005

Mr. & Mrs. Timothy Pursel  
16174 Carrs Mill Road  
Woodbine, MD 21797

RE: Variance for Deck Encroachment to SDA

Dear Mr. & Mrs. Timothy Pursel;

We have received a variance requesting the required 10' setback to sewage disposal easement for a structure that is to be built on a post and pier foundation at the above referenced property be waived to 5'. This agency will grant your approval for the variance at the property as long as no part of the deck overhang is within 5' of the sewage disposal easement and post and pier footers are utilized.

Any questions regarding this decision may be directed to the Well and Septic Program of the Howard County Health Department.

Respectfully,

John A. Boris, Jr., R.S., Supervisor  
Well and Septic Program

cc: File

# Outdoor Carpentry & Design, Inc.

11292 Scaggsville Rd • Laurel, MD 20759 • (301)-617-0808 • Fax: (301)-617-0909

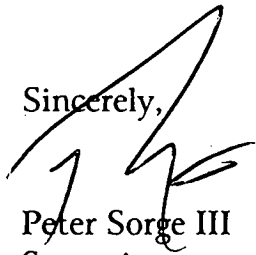
April 11th, 2005

John Boris R.S.  
7178 Columbia Gateway Dr.  
Columbia, Md. 21046

RE: Request for Variance of 10ft. setback from deck to septic easement.  
Property: Mr. and Mrs. Timothy Pursel  
16174 Carrs Mill Rd.  
Woodbine, Md. 21797

We respectfully request that we be allowed to construct a deck which is closer than 10ft. from the septic easement at the above referenced property. The plans have been submitted with this letter for your consideration. We do not believe that our request is excessive. The location of the septic field is making it difficult to construct a useful size project for the enjoyment of the homeowner. Please note that footings (plan) are closer to the house than the actual deck. We thank you in advance for your time. Please contact me at 240-375-4658, if I can help with this process in any way.

Sincerely,



Peter Sorge III  
Supervisor