

9/15/99
10:00
payoff check

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 512703

A 40944

DISTRICT _____

DATE 9/13/99

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXX~~

410-313-2640

INDEXED

DATE SYSTEM APPROVED 12/30/99

INSPECTOR CW

Tom and Brenda Twigg / Freedom Septic

IS PERMITTED TO INSTALL ☒ ALTER _____

ADDRESS 8225 Elko Drive, Ellicott City, MD 21043

PHONE 410-992-8017

SUBDIVISION Sand Hill Acres

LOT 9

ROAD 2425 Sand Hill Road

PROPERTY OWNER Thomas and Brenda Twigg

ADDRESS _____

SEPTIC TANK CAPACITY 1500 GALLONS

NUMBER OF BEDROOMS 5

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 300

BLDG. PERMIT SIGNED

AND RETURNED 4/20/00

POOL

aka
2425 Lamp-
lighters Dr

TRENCHES - Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 3 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place the distribution box 160 feet from the left (190') lot line and 70 feet from the left/rear (640') lot line. Run trenches along contour in both directions.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 6/21/99 JS

PLANS APPROVED BY C. Williams/Donna K. Soe

DATE 5-20-1999

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

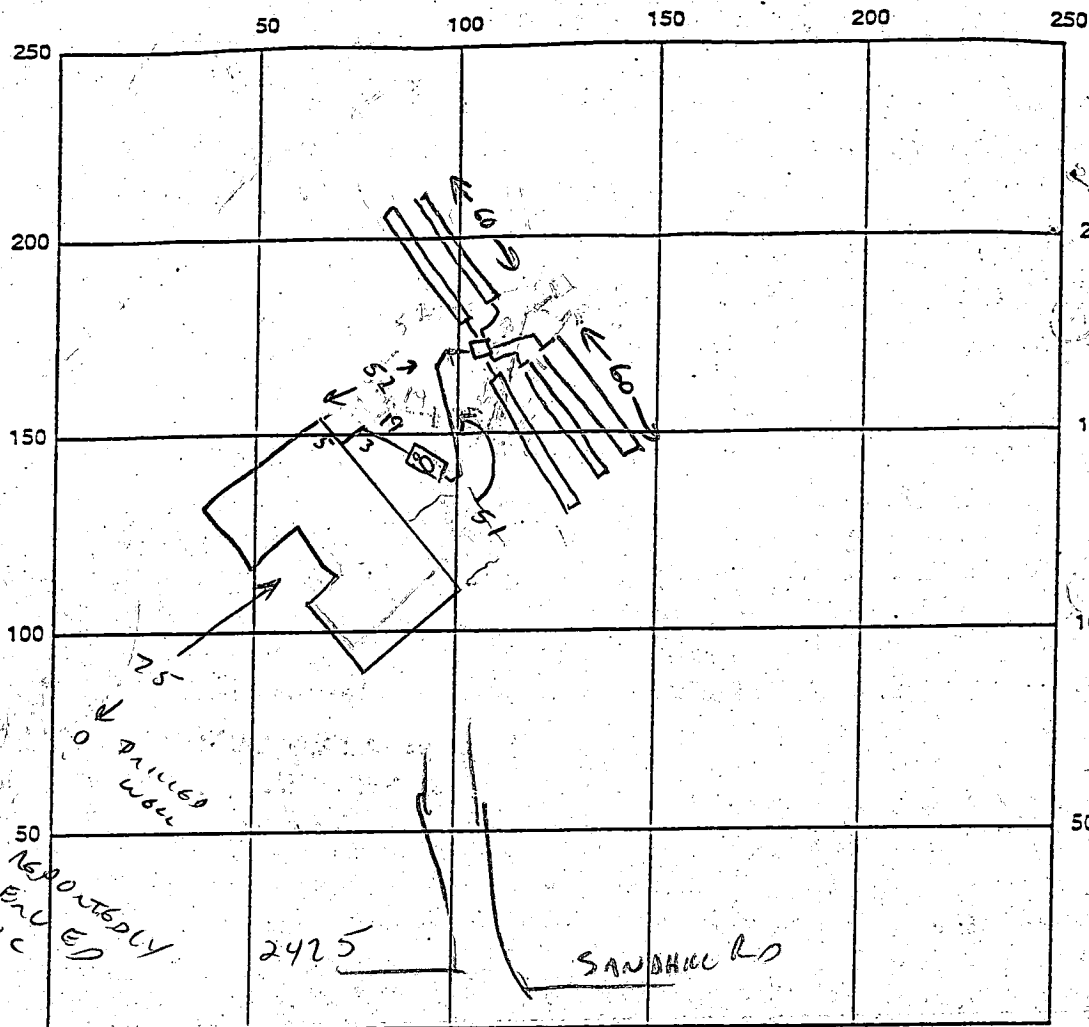
PERMIT VOID AFTER TWO YEARS

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

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL ✓

CLEANOUTS ST 6" & MANHOLE

DISTRIBUTION BOX LEVEL ✓

DRAIN FIELD/TITLE DEPTH 5 FT.

TRENCH WIDTH 3 FT.

INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 2 FT.

TOTAL LENGTH 300 FT.

NUMBER OF TRENCHES 5 @ 60

ONE SIDEWALL/BOTTOM AREA 900 SQ. FT.

DRYWALL INSIDE DIAMETER FT.

EFFECTIVE DEPTH BELOW INLET FT.

ABSORBENT AREA SQ. FT.

REMARKS: 9/15/99 HOUSE - TANK - DB - FIRST THREE TRENCHES COMPLETE;

SEVERE WEATHER IMMINENT. OK TO COMPLETE & COVER W/O FURTHER INSP. (C4)

(CONTRACTOR REQUESTED TO LEAVE LOCATION⁽³⁾ MARKERS AT BEND BEFORE DB,

AT DB, AND AT END OF UPPER LEFT TRENCH - LOCATION ISSUES TO BE RESOLVED)

- OWNER HAS INSTRUCTED ENGINEER TO PREPARE REQUESTED SURVEY DRAWING - PROVISIONAL APPROVAL

GRANTED. 12/30/99

DATE SYSTEM APPROVED 12/30/99

INSPECTOR C. Wall

APPLICATION

PERCOLATION TESTING

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE 461-9933

A 40944

P _____

DISTRICT 4

DATE 1-29-88

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Hilltop Development Corp

ADDRESS P.O. Box 208 CLARKSVILLE Md 21029 PHONE 531-5539

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION SAND HILL ACRES LOT NO. 2425 ~~Final~~ LOT 9

ROAD AND DESCRIPTION SAND HILL ROAD & LAMPLIGHTERS DRIVE

TAX MAP 16 PARCEL # 5

SIZE OF LOT 3 Acres TYPE BLDG Single Family
(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.

Richard W. Smith
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

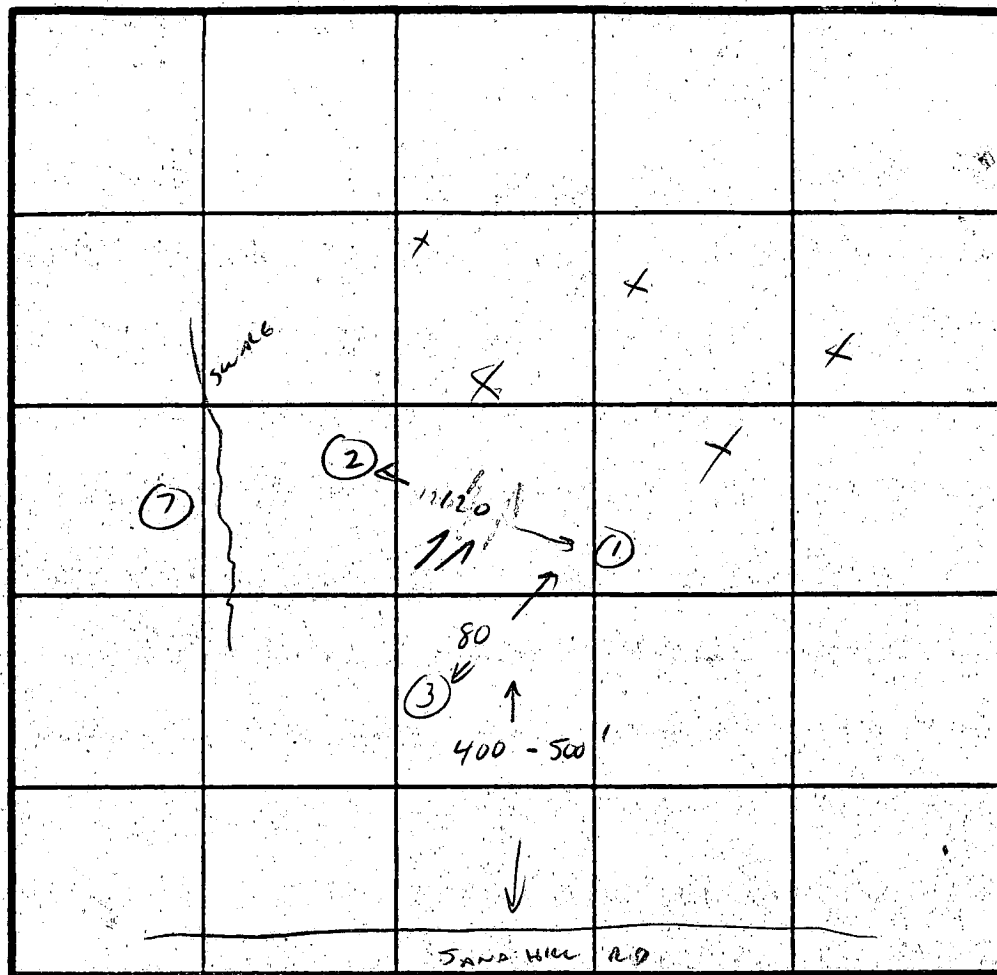
BUDG. PERMIT SIGNED
AND RETURNED 9/12/89
Serial # 27004 - SFD
3 Bedroom

THIS IS NOT A PERMIT

460265 1-2-3

SOIL PROFILE

2 — CLAY LOAM
Brown
MICA LOAM
11 — DAMP



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3/29/88	X X X	NUMEROUS	TEST HOLES ABANDONED		WITHOUT INSP		WGT
	1	3 7	VIS OK	LOAM	3-10'		
		11	DAMP AT 11'				
	2	2 1/2 6	VIS OK	LOAM	3-10'		
		11					
	3	3	VIS	OK	LOAM	3-11'	
		11					
	7	TEST HOLE ADJACENT LOT (A40945)					OK!
		TEST IN SWALE - MAY BE WGT, SURROUNDING SOILS OK					

REMARKS SHALLOW SYSTEM ONLY - DAMP AT 11' MAXIMUM WATER LEVEL
COULD BE SLIGHTLY HIGHER

TYPE OF SOIL MICA LOAM

TESTED BY CWILLIAMS

ALSO PRESENT DENNIS CISS61

SAND HILL ROAD

MSFC PLAT 41921, 40571
(60' R/W)

BEARING CHART

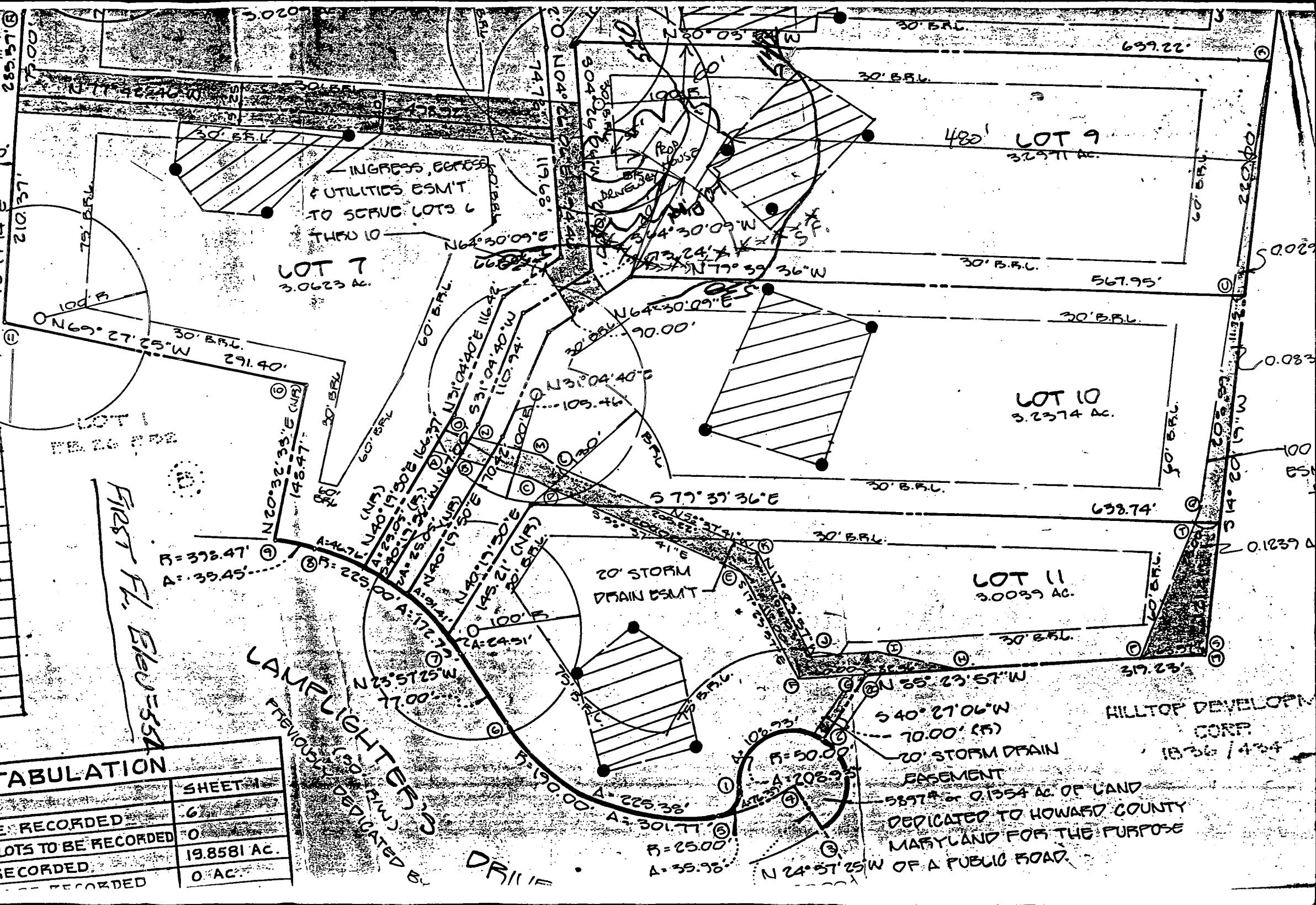
BEARING	DISTANCE
10° E	25.35'
00° E	70.00'
09° E	15.16'
55° W	72.56'
55° W	59.52'
9° W	16.96'
0° W	72.52'
55° W	20.25'
17° 50' W	20.31'
3° 05' E	135.76'
2° 38' E	200.92'
2° 38' E	221.15'
28° 05' E	9.24'

AREA TABULATION

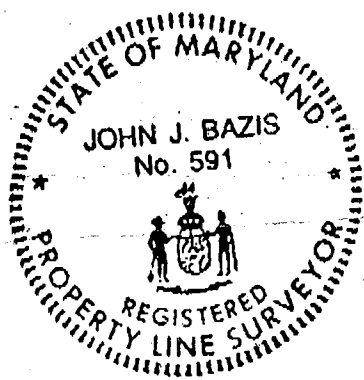
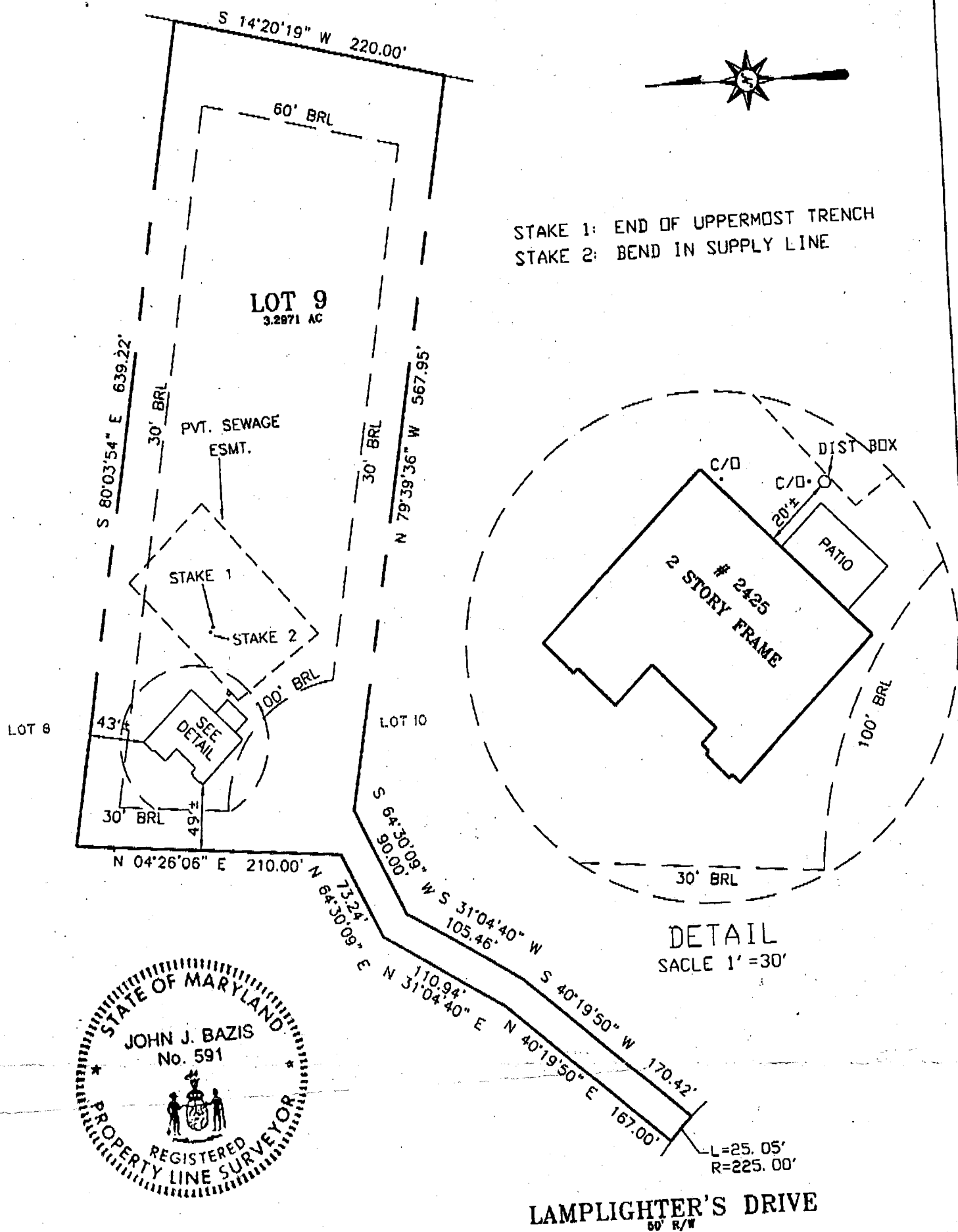
RECORDED	SHEET 1
NUMBER OF LOTS TO BE RECORDED	6
NUMBER OF OPEN SPACE LOTS TO BE RECORDED	0
TOTAL AREA OF LOTS TO BE RECORDED	19.8581 AC.
AREA OF LOTS TO BE RECORDED	0 AC.

FIRST FL. ELEV=554

LAMPLIGHTER DRILL
PREVIOUSLY DEDICATED E.



HILLTOP DEVELOPMENT CORP.
1836 / 434



John J. Bazis 1-5-00
MD Reg. Property Line Surveyor #591 John J. Bazis Date

Property shown hereon is not in a flood plain per existing records unless otherwise noted

O'CONNELL & LAWRENCE, INC.
SURVEYORS, ENGINEERS & LAND PLANNERS
17804 Georgia Avenue, Suite 302, Olney, Maryland 20832
Tel: (301) 924-4570 • Fax: (301) 924-5872

LAMPLIGHTER'S DRIVE
60' R/W

Offset dimensions shown thus NN± are generally within 1 (one) foot of the stated distance if 20 feet or less. Longer distances may exceed 1 foot margin proportionally. All offsets depend on site conditions and other factors including but not limited to: elevation changes, availability of property markers, availability and age of land record data, irregularly shaped and or large lots.

LOCATION DRAWING
SAND HILL ACRES
LOT 9, SECTION 3, AREA 1
HOWARD COUNTY, MARYLAND

Plat Book: Plat: 8355 Liber: Folio:

SURVEYOR'S CERTIFICATION

I hereby certify to the best of my knowledge and belief that the property delineated hereon is in accordance with the Plat of Subdivision and/or deed of record; that the improvements were located by accepted field practices and include permanent visible structures and encroachments, if any. This drawing is not to be relied upon for the establishment or location of fences, garages, building or other existing or future improvements. This 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. Questions pertaining to relationships of the property corners or lines to real objects must be addressed by a Boundary Survey. This drawing is of benefit to a consumer only insofar as it is required by lender or title insurance company or its agent in connection with contemplated transfer, financing or refinancing, and valid only within six months from field date, and as to them I warrant the accuracy of the drawing. No title report furnished.

Job No. 751-067
Scale 1"= 100'
Field Dates
Wall Check 6/15/99
Final Loc. 29 DEC 99
Recert



DEC 30 UPDATE
VERBAL AGREEMENT
TO HOOK UP WELL
FOR NON-POTABLE IRRIGATION
SEE OCCUPANCY APPROVAL
LETTER, (CONDITIONS SET)
OF 12/30/99 (16)

HOWARD COUNTY HEALTH DEPARTMENT

Diane L. Matuszak, M.D., M.P.H., County Health Officer

December 29, 1999

Mr. Thomas Twigg
8225 Elko Drive
Ellicott City, Md 21043

Re: Response to request for
occupancy approval
Sand Hill Acres Lot 9
2425 Sand Hill Road

Dear Mr. Twigg,

Two issues remain to be addressed prior to obtaining Health Department recommendation for occupancy approval. One involves the choice of water supply, and the other involves the location of the septic system.

Please refer to two different letters dated September 20, 1999 (copies enclosed) addressing each of these issues separately. Resolution of both issues is needed in order to obtain Health Department recommendation for occupancy approval. We discussed the septic system issue yesterday and you indicated that your engineer, Jeff Lawrence, was preparing the requested exhibit.

In our discussion, I overlooked the second letter and neglected to remind you of the concern regarding the choice of water supply. The tone of our discussion did imply that public water was being utilized. If that is the case, then a final determination on the status of the existing unused well is needed. Please review the September letter addressing the issue in greater detail and contact me to clarify your plans.

Again, thank you for your attention to this matter.

Yours truly,
Craig Williams
Craig Williams, Sanitarian

encl's

cc: Avis Corbin - Licenses and Permits
Bruce Forte - Inspections



HOWARD COUNTY HEALTH DEPARTMENT

Diane L. Matuszak, M.D., M.P.H., County Health Officer

September 20, 1999

Mr. Thomas Twigg
8225 Elko Drive
Ellicott City, Md 21043

Re: Septic System Installation
Sand Hill Acres Lot 9
2425 Sand Hill Road

Dear Mr. Twigg,

The septic system for the above referenced property was installed on September 15, 1999, but with some concern as to whether or not it is in the intended location. The installed system, as measured from lot boundaries, seemed to be 30' further back on the lot than intended; yet when measured from the house foundation, the system appeared to be in the correct location.

Submittal of a surveyed site plan showing the house footprint, the recorded sewage disposal area, and **critical points of the installed system**, is requested to confirm the correctness of the installed location.

The importance of this request is in assuring that adequate area remains available for future septic system repair; prior percolation test history suggests there could be water table interference if installation were to be attempted further back on the lot than the lower boundary of the platted septic area.

Thank you for your prompt attention to this matter.

Yours truly, -

Craig Williams, Sanitarian

note * - 4 critical points would be sufficient to to define the location of the installed sytem. First is the septic tank cleanout, then to the left of that and closest to the house is a stake which marks a bend in the supply line from the tank to the distribution box. Just below is another stake which marks the distribution box, and then to the left of that is a stake which marks the end of the uppermost trench.

cc: Jeff Lawrence

✓ FILE
SEE ATTACHMENT
ON WATER SUPPLY

Bureau of Environmental Health

3525-H Ellicott Mills Drive Ellicott City, Maryland 21043-4544

Water and Sewage Program Community Environmental Health Program Food Protection Program

Phone: 410-313-2640 FAX: 410-313-2643 TTD: 410-313-2323 TOLL FREE: 1-877-4MD-DHMH

C1 9219
SEQUENCE NO. (DENV USE ONLY)
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

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

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

COUNTY NUMBER A40944

ST/CO USE ONLY
DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO.
FROM "PERMIT TO DRILL WELL"

8 13

06/16/89

285

40-98-0670

OWNER: Hilltop last name first name Corporation
STREET OR RFD: 10001 Hilltop Dr. TOWN: Hilltop
SUBDIVISION: SAND HILL ACRES SECTION: LOT: 9

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
FROM TO

Check if water bearing

SAND stone 0 48
GRAY MICH. rock 48 285

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box)

TYPE OF GROUTING MATERIAL

CEMENT CM BENTONITE CLAY BC

NO. OF BAGS 12 NO. OF POUNDS 1128

GALLONS OF WATER 22

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. to 38 ft.

CASING RECORD

casing types insert appropriate code below

ST CO
STEEL CONCRETE
PL OT
PLASTIC OTHER

MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot)

60 61 63 64 66 70

OTHER CASING (if used)

diameter depth (feet)

inch from to

SCREEN RECORD

screen type or open hole insert appropriate code below

ST BR HO
STEEL BRASS OPEN HOLE
PL OT
PLASTIC OTHER

C2

DEPTH (nearest ft.)

1 HO 51 285

SLOT SIZE 1 2 3
DIAMETER OF SCREEN (NEAREST INCH)

from to

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

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)

T (E.R.O.S.) W Q
70 72 74 75 76
TELESCOPE LOG OTHER DATA
CASING INDICATOR

C3

PUMPING TEST

HOURS PUMPED (nearest hour) 3

PUMPING RATE (gal. per min. to nearest gal.) 10

METHOD USED TO MEASURE PUMPING RATE Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING 54

WHEN PUMPING 107

TYPE OF PUMP USED (for test)

A air P piston T turbine
C centrifugal R rotary O other (describe below)
J jet S submersible

PUMP INSTALLED

DRILLER WILL INSTALL PUMP YES NO

IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE:

CAPACITY: GALLONS PER MINUTE (to nearest gallon)

PUMP HORSE POWER

PUMP COLUMN LENGTH (nearest ft.)

CASING HEIGHT (circle appropriate box and enter casing height)

LAND SURFACE (nearest foot)

LOCATION OF WELL ON LOT

SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)

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.

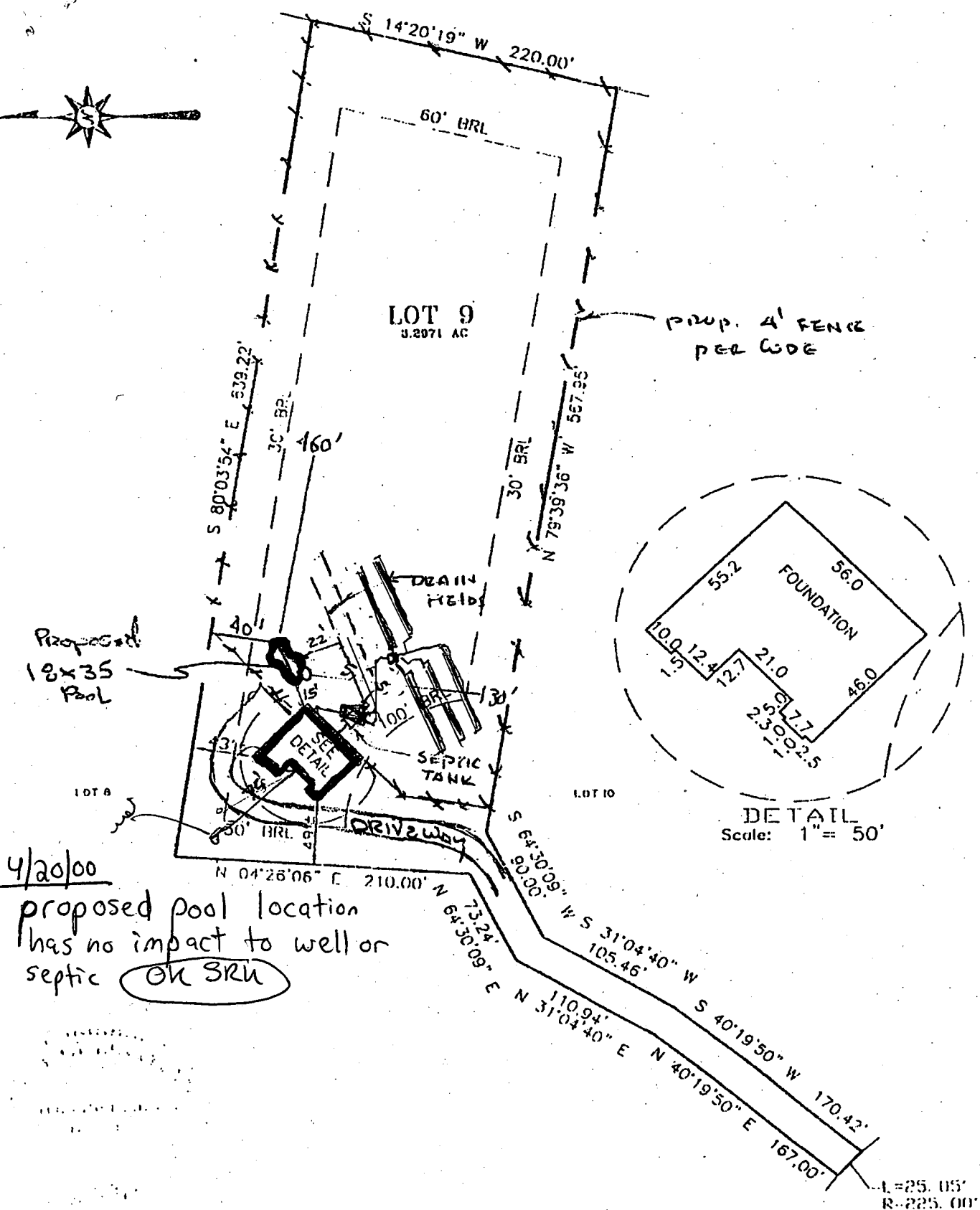
DRILLERS IDENT. NO. 1238

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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

COUNTY

Tax # 220430



4/20/00
 proposed pool location
 has no impact to well or
 septic on SRU

Offset dimensions shown thus NN± are generally within 1 (one) foot of the stated distance if 20 feet or less. Longer distances may exceed 1 foot margin proportionally. All offsets depend on site conditions and other factors including but not limited to: elevation

A.H. 52... 6-16-99