

1214 10-10230
Repair

12/5/01 2-2:30

ISSUE DATE: 11/19/2001

APPROVAL DATE: 12/5/01

**PERMIT
INDEXED**

P 516420-B

A REPAIR

**ON-SITE SEWAGE DISPOSAL SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH**

02-217163

South Carroll Backhoe IS PERMITTED TO INSTALL ALTER

ADDRESS: 4410 Salem Bottom Rd, 21157 PHONE NUMBER: 410-875-4197

SUBDIVISION: Allenford LOT NUMBER: 36

ADDRESS: 10182 Hobsons Choice Lane PROPERTY OWNER: Richard Debois

SEPTIC TANK CAPACITY (GALLONS): EX. 1250

PUMP CHAMBER CAPACITY (GALLONS): —

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: 180

LINEAR FEET OF TRENCH REQUIRED: 180

TRENCHES:	Trench to be 2 feet wide. Inlet 5-6 feet below original grade. Bottom maximum depth 9-10 feet below original grade. Effective area begins at 5-6 feet below original grade. 4 feet of stone below distribution pipe.
LOCATION:	
PURPOSE:	Existing septic system is failing. Call when ground is opened so sanitarian can recommend repair.

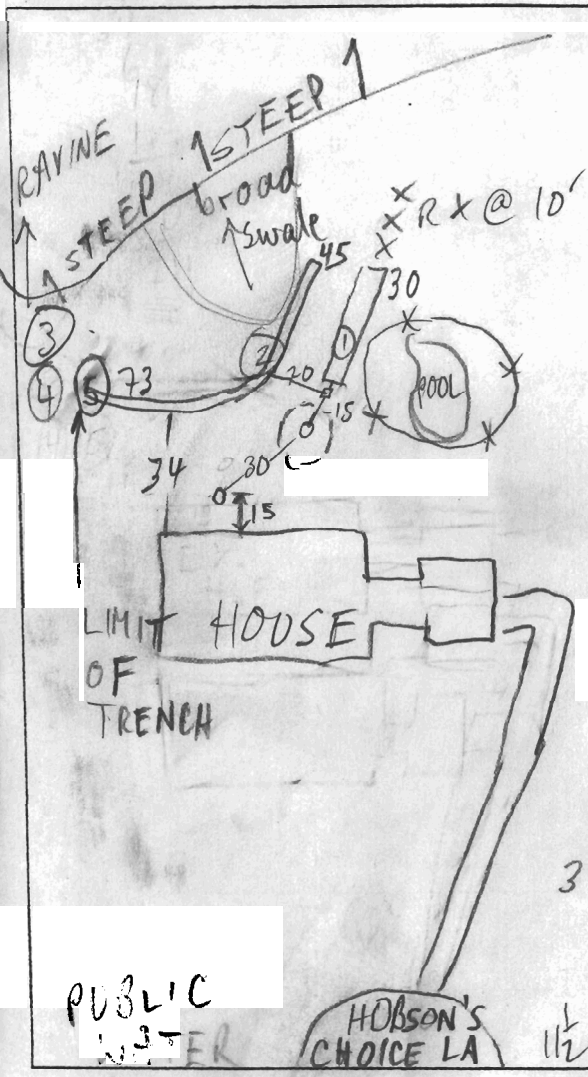
PLANS APPROVED: _____ DATE: 11/14/01

- NOTE: PERMIT VOID AFTER 2 YEARS
- NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

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

516420-B

NOT TO SCALE



- ①
- 5 large brn sacl 1m
- tan beige sand 10-20% frags
- 12 2
- 1t. tan sacl
- 4-5 tan sand 15-25% frags
- 12 50% frags
- ③④ DPHILL SIDE
- 5 tan sacl 1m
- 3 tan brn gray sand 10-25% fr
- 10 tan white sand 25-40% fr
- HARD BOT

TRENCH DATA	
TRENCH WIDTH	2
TRENCH INLET DEPTH	$\frac{1}{6} \frac{2}{3}$
TRENCH BOTTOM DEPTH	$\frac{1}{1} \frac{2}{8}$
DEPTH OF STONE	_____
NUMBER OF TRENCHES	2
TOTAL TRENCH LENGTH	150'
ABSORBENT AREA	$120 + 590 = 710$
DISTRIBUTION BOX LEVEL	<input checked="" type="checkbox"/>
BAFFLE IN DISTRIBUTION BOX	<input checked="" type="checkbox"/>

SEPTIC TANK DATA	
SEPTIC TANK	EX. 1250 GALLONS
MANHOLE RISER	<input checked="" type="checkbox"/>
6 INCH INSPECTION PORT	<input checked="" type="checkbox"/>
PUMP CHAMBER DATA	
PUMP CHAMBER GALLONS	<input checked="" type="checkbox"/>
MANHOLE RISER	<input checked="" type="checkbox"/>
ALARM	<input checked="" type="checkbox"/>
PUMP PERFORMANCE TEST	<input checked="" type="checkbox"/>

PRE-CONSTRUCTION INSPECTION: 12/4/01 AM OK TO START W/2 TRENCHES (MR)

2/4/01 PM R @ ENCOUNTERED @ 10' AFTER 25 DITCH LAYOUT ADJ

INSPECTION COMMENTS: 12/5/01 OK TO COVER (MR)

INSPECTOR Mr. Ritkin DATE SYSTEM APPROVED 12/5/01

7/15/73 *[Handwritten signature]*

PERMIT

SEWAGE DISPOSAL SYSTEM

A 1782

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

ELLICOTT CITY

DISTRICT 2

INDEXED

DATE 7/2/73

Emergen Pease IS PERMITTED TO INSTALL ALTER

ADDRESS Old Frederick Road, Woodstock, Md. PHONE

A SEWAGE DISPOSAL SYSTEM LOCATED AT

SUBDIVISION Allen Rd ROAD Hobson's Choice Lane LOT 36, Blk. B, Sec. 6

PROPERTY OWNER James H. and Nancy A. Hickey *Richard & Cheryl Abois*

ADDRESS 10226 Green Clover Drive, Ellicott City, 465-3737

SPECIFICATIONS - 4 bedrooms

DRAIN FIELD DEPTH FEET, BOTTOM AREA SQ. FT.

SEEPAGE PITS ABSORBENT SIDE-WALL AREA SQ. FT.

SEPTIC TANK CAPACITY 1,250 GALLONS

FOR GARBAGE GRINDER, INCREASE DISPOSAL AREA 22% & TANK CAPACITY 80%.

OTHER Dry well - 400 sq. ft. sidewall area below the inlet. Dry well inlet to be

no deeper than 5 ft. and bottom of dry well to be no deeper than 13 ft. Place the dry well

75 54 ft. from the left side of the lot as seen when facing the lot from Hobson's Choice Lane,

70 and 60 ft. from the back lot line which is 115 ft. long.

NOTE: ALL PIPE FROM HOUSE TO DRY WELL MUST BE CAST IRON.

PERMIT VOID AFTER THREE YEARS.

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL.

PLANS APPROVED BY Raymond Hodges DATE 7/2/73

FILL SEPTIC TANK AND DISTRIBUTION BOX WITH WATER BEFORE CALLING FOR AN INSPECTION. COVER NO WORK UNTIL INSPECTED AND APPROVED.

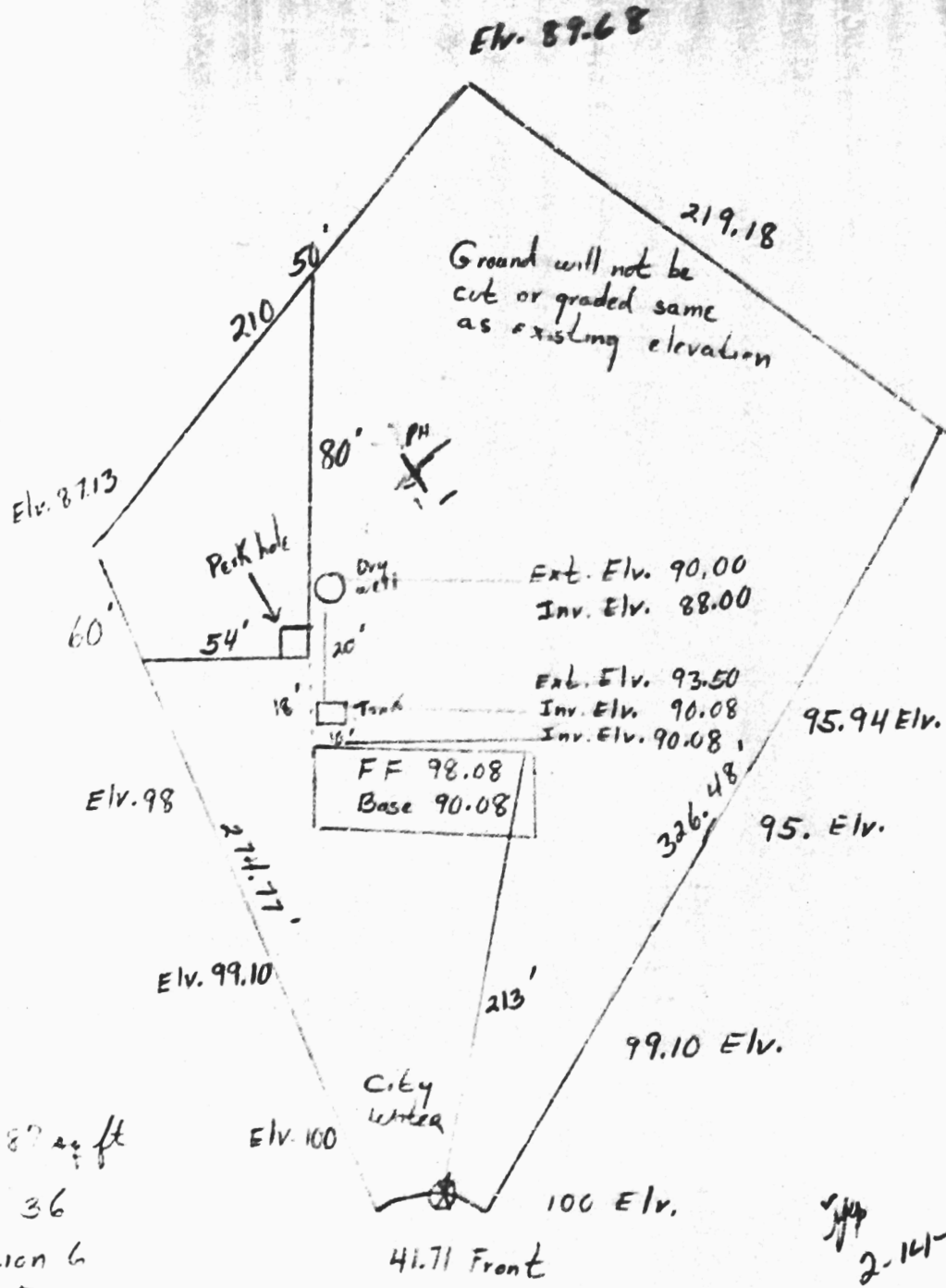
NEITHER THE HOWARD COUNTY COMMISSIONERS NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.

BLDG. PERMIT SIGN
AND RETURNED 11/2/77
Serial # 39875 - Prod.

A 1782

DATE SYSTEM APPROVED INSPECTED

A17891



Ground will not be cut or graded same as existing elevation

Ext. Elev. 90.00
Inv. Elev. 88.00

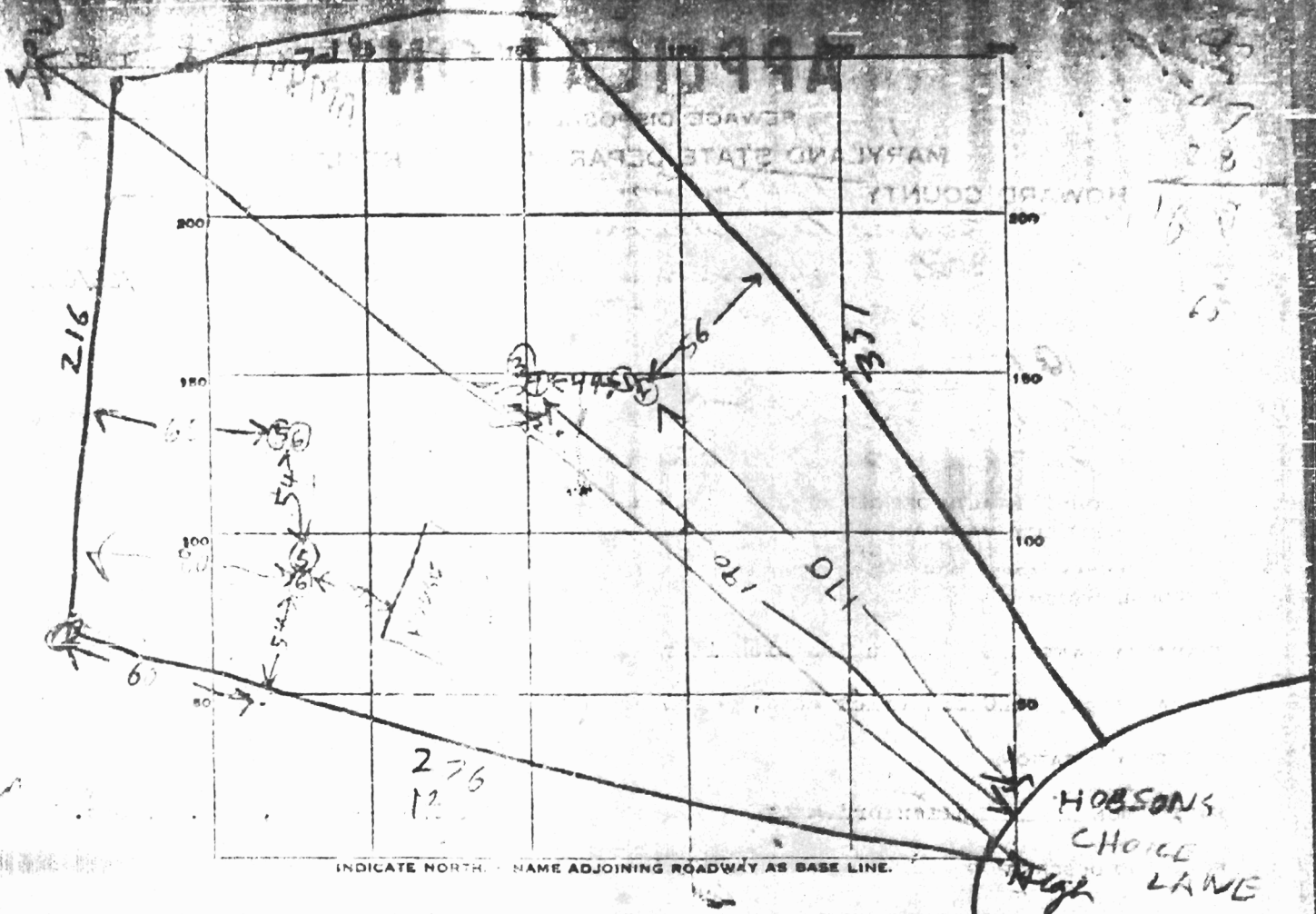
Ext. Elev. 93.50
Inv. Elev. 90.08
Inv. Elev. 90.08

FF 98.08
Base 90.08

62,687 sq ft
Lot 36
Section 6
Allen Ford
Assumed Elev.
Top Curb 100.00

JM
2-14-73
[Signature]

I CERTIFY THE ABOVE MEASUREMENTS AND ELEVATION DIFFERENCES ARE ACTUAL AND CORRECT FOR THIS PROPERTY. SIGNED: James M. Husby 465-3737



INDICATE NORTH. NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8/22/73	1	10	107	103	103	110	2
	2	5	108	109	109	111	2
	3	9	115	113	118	127	9
	4	5	116	113	118	130	2
11/10/73	5	12	1017	1025	1025	1035	10
1/24/74		8	1018	1019	1019	1070	1
			1023	1075	1075	1031	6
			SAMPL PLACE AS				
		13	ALL SAND				

4 min air
for lot size
& dry well
sup
Max Depth
12.5 FT

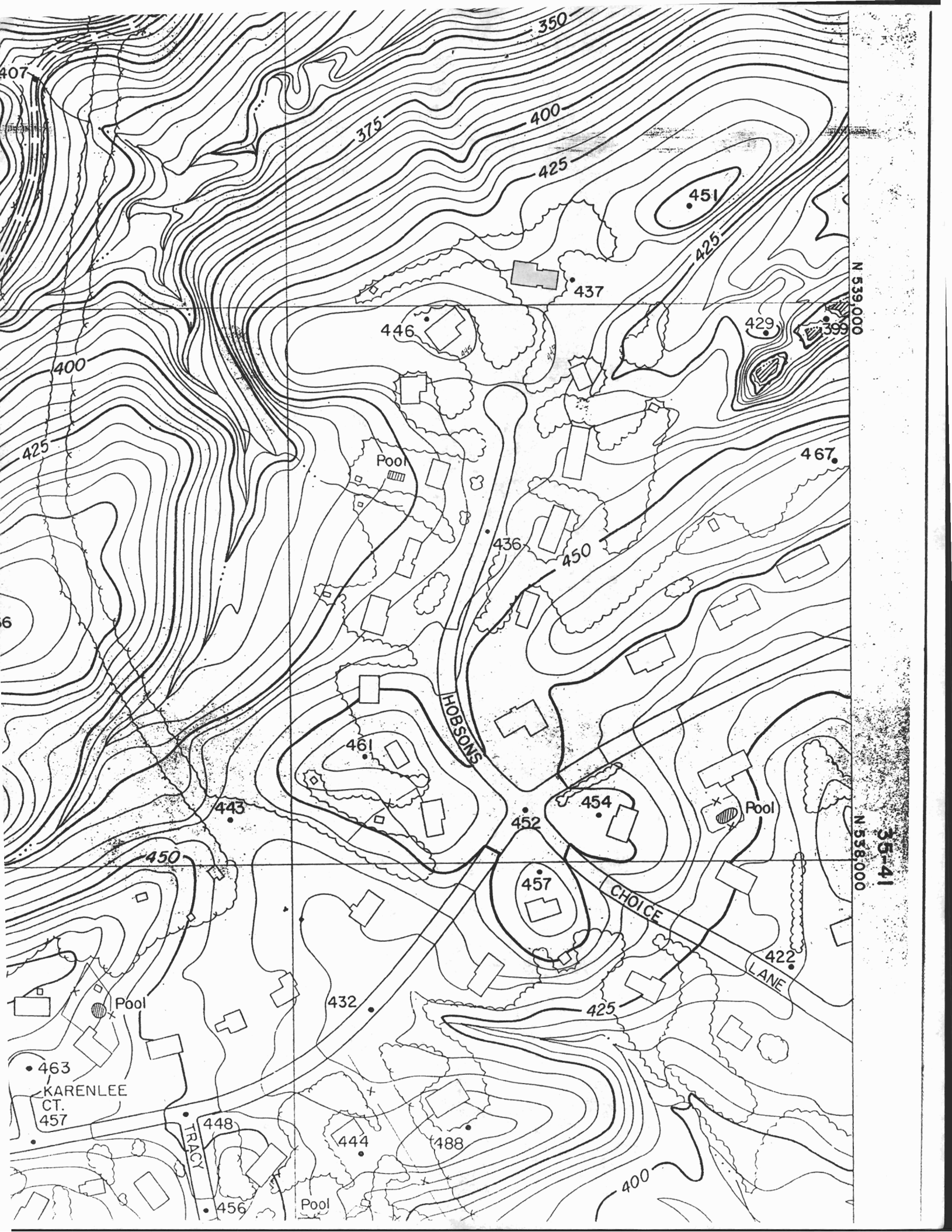
SOIL AUGER FINDING

TESTED BY: P. H.
REMARKS: Could not get 3 collars as because
area to be cut 8' 30" out 4'

1) EXCEPTION GRANTED TO REPAIR FAILING SYSTEM
FOR A PROPERTY ~~NOT~~ ~~ACCESSIBLE~~ TO
PUBLIC SEWER DUE TO UNIQUE SITE FEATURES
WHICH ~~CAUSE~~ ~~CREATE~~ UNUSUAL DIFFICULTY
TO

IN THE METROPOLITAN SERVICE DISTRICT
WHERE ~~THE~~ ACCESS TO POINT-OF-CONNECTION
IS UNREASONABLE DUE TO UNIQUE SITE CONSTRAINTS. //

CW



N 539,000

N 538,000

35-41

407

350

375

400

425

451

425

437

446

429

499

400

425

467

Pool

436

450

HOBSONS

461

443

452

454

Pool

450

457

CHOICE

422

LANE

Pool

432

425

463

KARENLEE CT.

457

448

444

488

456

Pool

TRACY

400

As-Built
1979

Cont 740
sh 4

Lot 36

(B)

Lot 35
FLOW TO "B"
D.H.C. at Manhole

*10182
C-431.79

Provide S.H.C.
at Manhole

ALLEN
SECT
18.22,

*10179
C-439.76

10' Cover
D.H.C.

S.H.C.
18' Cover

S.H.C.

*10075

Terrain at
Manhole

450

P.I. "MR-141-D"

*10178
C-429.74

BM #8 "C"
15' Cover - Sta. 0+77
S.H.C.

S.H.C.
16' Cover - Sta. 1+22

Margaret Derr

450

G&E Pad
C/P Pedestal

D.H.C.
Sta. 0+85
14' Cover

*10171
C-428.08

S.H.C.
16' Cover - Sta. 1+40
10' Paved Dr.

Septic System

*10174
C-433.05

Ex. Buried Electric Cable
10' Cover
Sta. 0+95
D.H.C.

Flow Pipe with 8" Vent
and Pump Control Panel
as shown on drawing

Ex. 15" R.C.P.

P.I. "MR-141-C"

204

20



Howard County

Internal Memorandum

Subject: Public Sewer Service
10182 Hobson's Choice Lane

To: Craig Williams, Program Director
Bureau of Environmental Health

From: Don Lieu, Chief **DDL**
Utility Design Division

Date: December 28, 1998

I have reviewed the construction plans for the sewer and the available topographic information for the property. I have also visited the site with Mr. Robert Barnett, Supervising Inspector for the Department of Public Works and I have spoken with Mr. David Krebs, Chief Plan Review Division of the Department of Inspections, Licenses and Permits.

From the information that we have available, the sewer in this portion of Allenford was constructed in 1979. When the sewer was constructed, a sewer house connection was provided for the property and terminated at the property line at a depth of 18 feet. (Enclosed for your information is a copy of the plan sheet showing the location of the sewer house connection.) The house on the property is located approximately 190 feet from the connection. In order to provide basement sewer service at the standard 2% slope, the sewer house connection was located approximately 18 feet below grade at the property line. From a review of the site with Mr. Barnett, the lot is wooded with 18 to 24 inch diameter pine trees planted between 7 and 12 feet apart. There is a noticeable clearing through the trees that may be the route of the water house connection. (Enclosed are copies of 4 photographs taken of the property.) Construction of a sewer through the trees will damage trees on the property. To limit the damage to the trees, the on-site sewer connection could be constructed within the paved driveway.

I have spoken with Mr. David Krebs of the Department of Inspections, Licenses and Permits regarding the referenced property. In an effort to limit the damage to the trees, the Department of Inspections, Licenses and Permits will allow a sewer house connection on a 1% slope. This will allow the plumber to connect to the sewer house connection at the property line at a point 2 feet higher than what a 2% slope will permit. The plumber will be required to construct a cleanout (vertical riser) at the property line to the 18-foot depth. The on-site sewer house connection can then be connected into the riser at a depth of 16 feet. Please note that a sewer on a 1% slope may result in solids settling out and possible blockages in the future.

Another option that the property owner has is to provide gravity sewer service to the first floor only. If the property owner wishes to limit gravity sewer service to the first floor, the connection into the public sewer at the property line may be raised by 5 feet, to a depth of approximately 11 to 13 feet, depending on the slope of the on-site sewer. If the property owner

Memo to Mr. Williams
10182 Hobson's Choice lane
December 28, 1998
page 2 of 2

has laundry or toilet facilities in the basement, the waste from these facilities will have to be pumped up to a point where it can discharge into the on-site gravity sewer house connection.

A third option that the property owner has is the installation of a private on-site grinder pump. The sewage is collected in a well chamber where it is ground up and pumped through a 1- inch pressure sewer to a point on the property where it can discharge by gravity into the public sewer system. The pressure sewer for the grinder pump can follow the contour of the ground and can be installed with 4 feet of cover. This is a mechanical system. As in all mechanical systems, it will require periodic maintenance and is subject to power outages.

The cost of each option will depend on the subsurface soil conditions, the depth of the sewer and the routing of the sewer to avoid specific trees; although, some trees will be affected unless the on-site sewer is placed within the driveway.

Please be aware that on-site sewer house connections are the responsibility of the Department of Inspections, Licenses and Permits. Approval of the private on-site connections as well as the use of a private pump or grinder system is under the charge of the Department of Inspections, Licenses and Permits.

Should you have any questions regarding the information provided, please contact me on extension 3411.

cc: Ronald Lepson
Robert Barnett
David Krebs
Jean Reed
Richard Debois

REGION _____

AREA _____ RATING _____

ACKNOWLEDGMENT AND CONTROLS	DATE

Howard County Department of Health
BUREAU OF ENVIRONMENTAL HEALTH

DISPOSITION	DATE

RECORD OF INVESTIGATION

LOCATION 10185 Hobson's Choice La ZIP _____

OWNER OCCUPANT Debois ADDRESS 10182 H. C. Lane PHONE _____

COMPLAINANT Martin Baver ADDRESS 10179 Hobson's Choice La PHONE 465-8166

REASON FOR INVESTIGATION strong sewage odor for several months

RECEIVED BY M.R. / B.B. DATE 11/24/99 ASSIGNED TO M.R. DATE 11/24

DATE OF INVESTIGATION 11/24/99 TIME 4:00 WEATHER cool, clear

REPORT MET COMPLAINANT @ SITE; HE BELIEVES

SOURCE OF SUBJECT ODOR IS DEBOIS NEXT DOOR, WHO
HE REPORTS HAS BEEN HAVING SEPTIC SYSTEM PROBLEMS
FOR MONTHS; DISCUSSION W/DEBOIS CONFIRMS SEPTIC IS
NEAR FAILURE, AND REPAIR TO OCCUR IN SPRING W/CW
CONCURRENCE; I ADVISED ALL PARTIES THAT NO DISCHARGE
ODOR OBS'D TODAY, NO ENFORCEMENT ACTION NEEDED

OBSERVATION OF PUBLIC SEWERAGE PUMP STATION 200'
AWAY RESULTS IN STRONG SUSPICION THAT PUMP STA.
IS SOURCE OF ODOR; COMPLAINANT ADVISED OF SAME (M)

DATE SUBMITTED M.R. SANITARIAN _____