

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

ELLICOTT CITY

DISTRICT _____

INDEX

DATE 11/30/81

Roland Barth

IS PERMITTED TO INSTALL X ALTER

ADDRESS Clarksville Pike, Ellicott City, Md. PHONE 730-8495

SUBDIVISION _____ ROAD Off Elibank Rd. LOT _____

PROPERTY OWNER G. A. Heidrick, Jr.

ADDRESS 6565 Belmont Woods Road, Elkridge, Md.

SPECIFICATIONS 4 Bedrooms

SEPTIC TANK CAPACITY 1250 GALLONS 1000 12/2/81

DRAIN FIELD _____ DEPTH _____ FEET, BOTTOM AREA _____ SQ. FT.

DEEP TRENCH _____ DEPTH _____ FEET, BOTTOM AREA _____ SQ. FT.

SEEPAGE PITS _____ ABSORBENT SIDE-WALL AREA _____ SQ. FT.

INLET PIPE _____ FT. BELOW ORIGINAL GRADE, MAXIMUM DEPTH _____ FT. BELOW ORIGINAL GRADE

EFFECTIVE DEPTH AT _____ FT. BELOW ORIGINAL GRADE.

LOCATE DISPOSAL AREA _____ FT. FROM _____ LOT LINE AND _____ FT. FROM _____ LOT LINE AS SEEN WHEN
FACING LOT FROM _____

see below
Small septic tank or several 3ft. diameter well rings to be used as a pump pit. ^{TWO} (2) each pumps capable of delivering 10 gallons per minute at 25 ft. of head with 2 inch diameter plastic pipe to be used from pump pit to disposal trenches. Check valves required in common line and one (1) each in line immediately up stream of each pump. Dual pumps may be controlled as primary with backup for failure or as alternating pumps, in either case an alarm device must be installed to activate when one pump fails. Note: Minimum capacity for pump pit in 200 gallons per cycle. Manifold 2 inch pipe into 4 inch standard drain pipe with minimum of 5 feet of overlap. Seal 2 inch pipe to the 4 inch pipe. *(continued)*

PLANS APPROVED BY David J. O'Neill *see below* DATE 3/25/78

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: IF TRENCH IS USED CALL FOR INSPECTION BEFORE PLACING GRAVEL IN TRENCH.

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER.

NOTE: ALL PIPE FROM HOUSE TO DISPOSAL AREA MUST BE CAST IRON.

PERMIT VOID AFTER THREE YEARS.

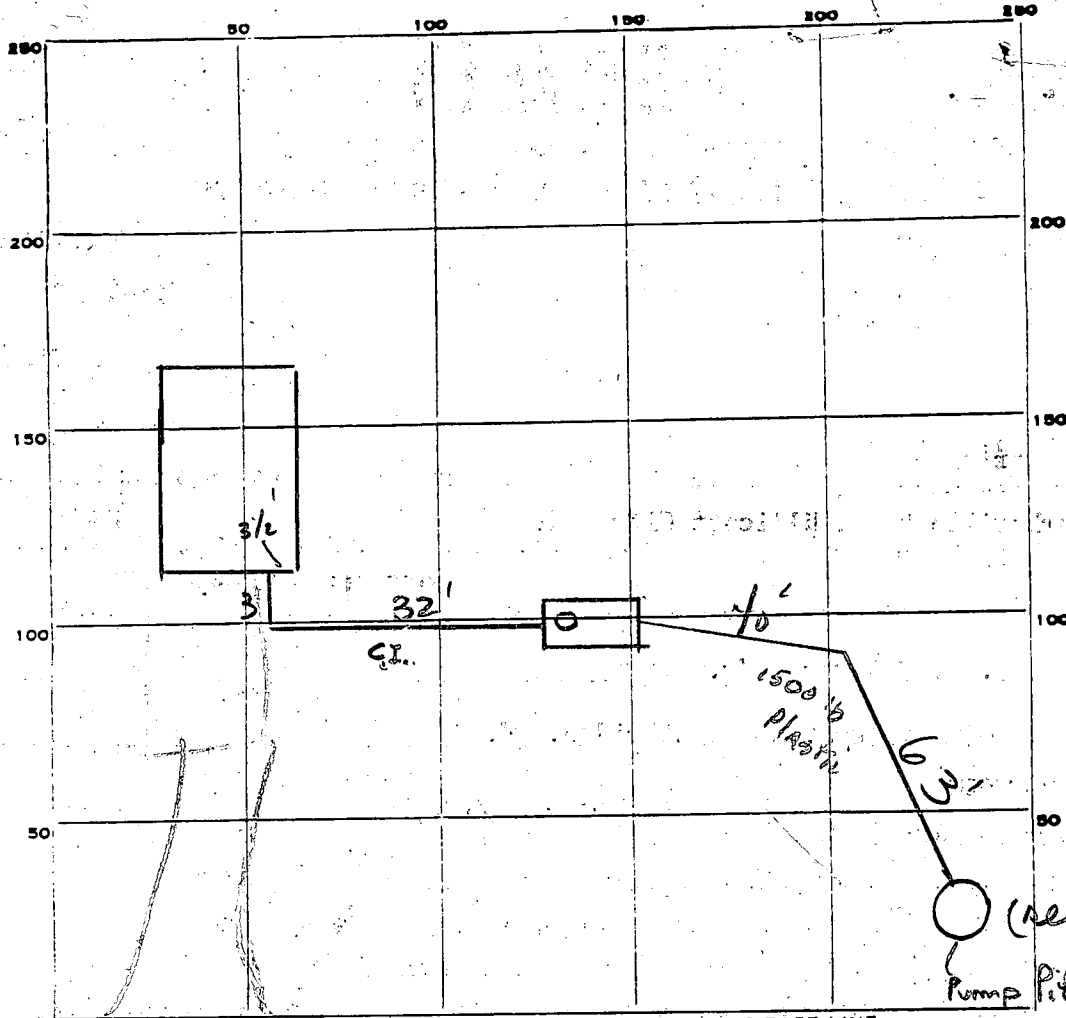
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRAZO ACCEPTED.

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

*OK to Run 90 ± 4" 1500lb drain pipe from Septic to pump pit
Pump pit to be in swale approx 30' towards house from concrete
abutment for storm drain. OK to use 1 1/4" pipe to drain field
Only if 10 gpm is achieved at distribution box*

EH-2-1079

Page # 1
of
2



(see page #2)
Pump Pit concrete well
Rings ~ 180 gal
storage below inlet

PERMIT CARD ✓

SEPTIC TANK, LEVEL ✓

CLEANOUTS 5/

DISTRIBUTION BOX, LEVEL ✓

TILE FIELD, DEPTH 8' 1/2 FT. TRENCH WIDTH 2 FT. 2

GRAVEL DEPTH IN. TOTAL LENGTH 60' FT.

NUMBER OF TRENCHES 2 1/2 SIDEWALL TOTAL BOTTOM AREA

SEEPAGE PITS, INSIDE DIAMETER FT. DEPTH BELOW INLET FT.

ABSORBENT AREA SQ. FT.

REMARKS
12/10/81 Depth below pump pit inlet 3 1/2', depth below pump pit outlet 3 3/4'. OK to cover house sewer and septic tank
OK to gravel Trench #1 - 5K / 12/11/81 OK to cover Trench #1 - 5K
12/29/80 OK to cover from Tank to pump pit

DATE SYSTEM APPROVED 4/21/82 (see other sheet) INSPECTOR F. Skinner

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

ELLICOTT CITY

DISTRICT _____

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EFFECTIVE DEPTH AT _____ FT. BELOW ORIGINAL GRADE.

LOCATE DISPOSAL AREA _____ FT. FROM _____ LOT LINE AND _____ FT. FROM _____ LOT LINE AS SEEN WHEN
FACING LOT FROM

~~Continued... Trench system to consist of 2 each 60 ft. long, 2 ft. wide and 8 ft. deep trench with inlet at 3 ft. below original grade. Run the trenches on level ground starting at the point that is 55 ft. from the west side of the property and 100 ft. from the north side of the property. Call for inspection of trenches before gravel is installed.~~
~~Note: 2 inch sewer line between pumpspit and distribution box must be at least 3 ft. below grade. See approved plat of 5/28/78 for detailed locations.~~

PLANS APPROVED BY David J. O'Neill DATE 5/25/78

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: IF TRENCH IS USED CALL FOR INSPECTION BEFORE PLACING GRAVEL IN TRENCH.

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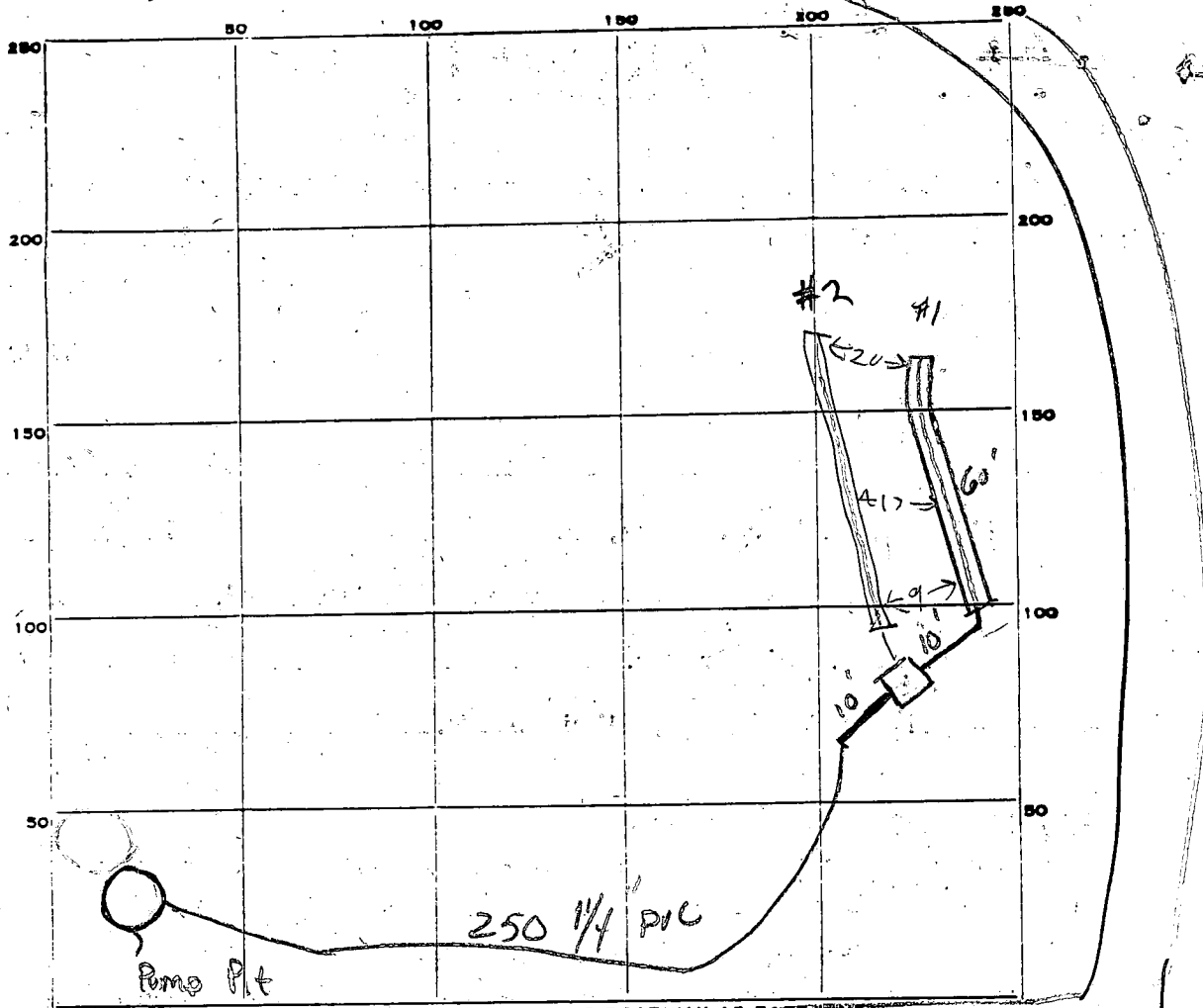
NOTE: ALL PIPE FROM HOUSE TO DISPOSAL AREA MUST BE CAST IRON.

PERMIT VOID AFTER THREE 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 ACCEPTED.

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

Page # 2
of
2



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

PERMIT CARD ☒

SEPTIC TANK, LEVEL ☒

CLEANOUTS ☒

DISTRIBUTION BOX, LEVEL ☒

TILE FIELD, DEPTH $8-8\frac{1}{2}$ FT. TRENCH WIDTH $2' - 2\frac{1}{2}'$

GRAVEL DEPTH $5-4\frac{1}{2}$ IN. TOTAL LENGTH $60' - 63'$

NUMBER OF TRENCHES 2

$\frac{1}{2}$ SIDEWALL TOTAL BOTTOM AREA 285' / 315'

Smithsona
Property

600' Total

SEEPAGE PITS, INSIDE DIAMETER — FT. DEPTH BELOW INLET — FT.

ABSORBENT AREA ± 600 SQ. FT.

REMARKS 12/28/81 1ST DITCH COVERED 2ND DITCH DUG OK TO ADD
STONE TO DITCH #2 RHT. 12/29/81 OK to cover Trench #2, OK
to cover pressure line from pump pit to DB, OK to cover
from tank to pump pit

3/10/82 PUMP INSTALLED HYDRAMATIC SP 40. Pits designed for 60 gal are
pumped into DB 4/21/82 2 each SP50A pumps installed O.K. F.S.

DATE SYSTEM APPROVED

4/21/82

INSPECTOR

G. Skinner

APPLICATION

Page 1 of 3

A 27162

P _____

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 476, ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 465-5000, EXT. 356

DISTRICT _____

DATE _____

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 Heidrich

ADDRESS _____ PHONE _____

PROPERTY LOCATION _____

SUBDIVISION Adjacent to Belmont LOT NO. _____

ROAD AND DESCRIPTION off old Montgomery Rd on Service Rd next to 95 on North West

SIZE OF LOT _____ TYPE BLDG. _____

NUMBER OF BEDROOMS _____

IF NOT SINGLE RESIDENCE DESCRIBE _____

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE.

SIGNATURE OF APPLICANT _____

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY 3/29/78 Paul J. [unclear] FOR Ray (KIND OF SYSTEM) DATE 3/29/78

HOLD PENDING FURTHER TESTS RPO Neill DATE 12-13-78

REASONS FOR REJECTION OR HOLDING house site lower than prev area [unclear]

THIS IS NOT A PERMIT

APPLICATION

Page 2 of 3

A 27162

P _____

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 476, ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 465-5000, EXT. 356

DISTRICT 1st

DATE 11/4/77

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 Belmont Property/Heidrick

ADDRESS _____ PHONE Boender - 465-7777

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. _____

ROAD AND DESCRIPTION _____

SIZE OF LOT _____ TYPE BLDG. existing
NUMBER OF BEDROOMS _____

IF NOT SINGLE RESIDENCE DESCRIBE _____

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE.

SIGNATURE OF APPLICANT /s/ Noel Heidrick

APPROVED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

REJECTED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS as failed as in T. Shennar DATE _____

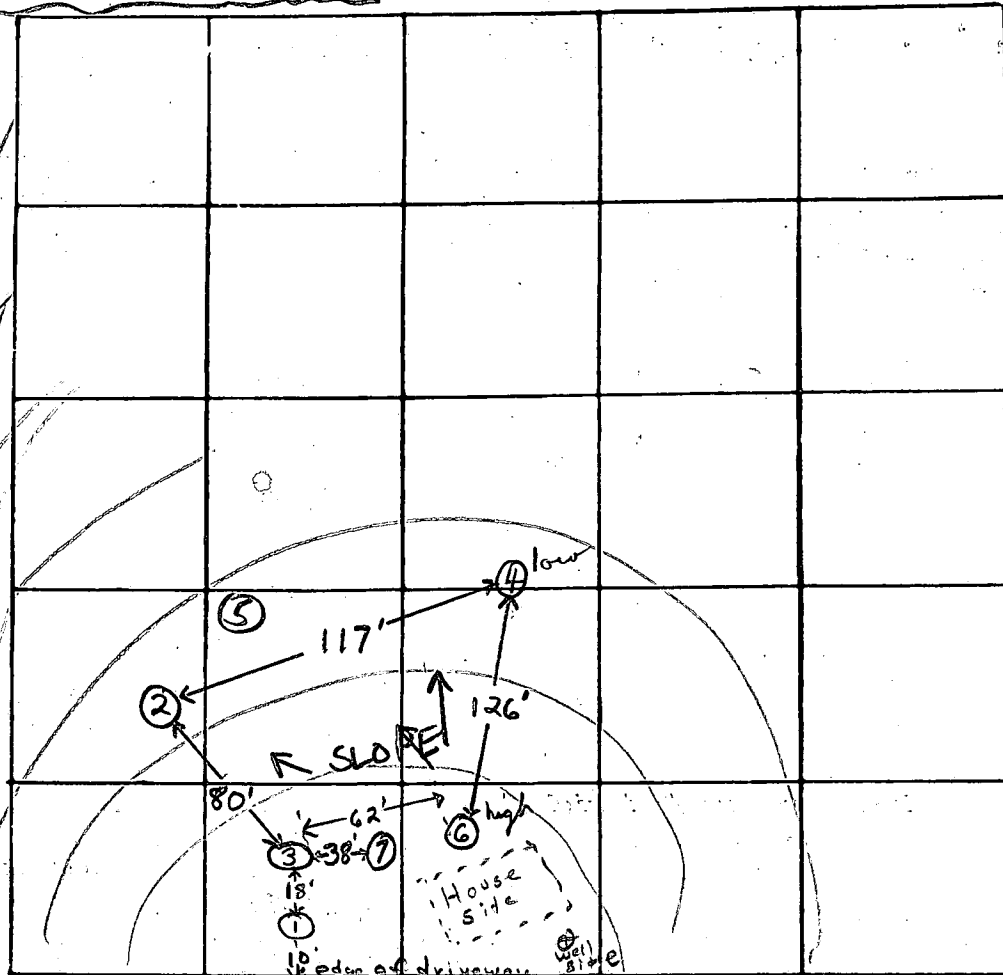
REASONS FOR REJECTION OR HOLDING 10/18/77 fails standard perc. test - insufficient

disposal area & poor soil type (rock) T.S.

Bldg. Permit Serial No. 33881 sent back to building office -
cannot sign - did not pass perc test.

THIS IS NOT A PERMIT

Rockburn Branch



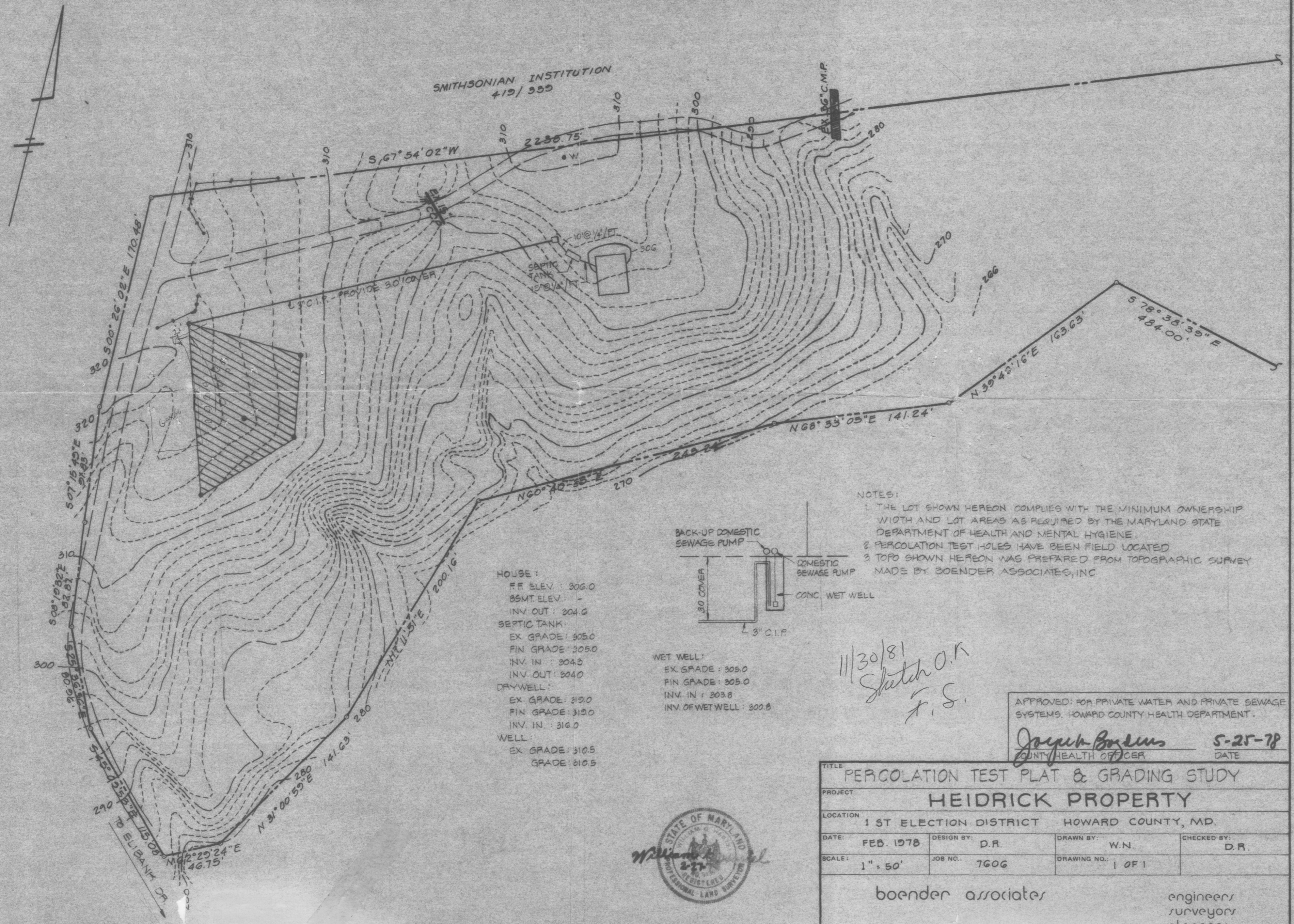
DATE	TEST NO.	DEPTH	START	STOP	TEST START	TEST STOP	TIME
11/18/77	1	5'	10:11	10:36	10:36	11:04	28 min
	1A	13 1/2'	10:11	pulled peg at 10:42	~ 1/6" drop		FAILS
	2	4'	10:51	10:55	10:55	11:05	10 min
	2A	13'	10:50	10:56	10:56	11:13	17 min
	3	13'	11:03	11:20	11:20	11:48	28 min
	4 low	11'	Clayey to ~5'	sandy mix below			
	5	9'	Clayey to ~5'	sandy mix below			hard at 9'
	6 high	10 1/2'	Clayey to ~3'	sandy/clay mix			boulders below hard at 10 1/2'
	7	7'	Clayey to ~4'	sandy/clay mix			boulders below hard at 7'

REMARKS Fails standard perc. test - insufficient disposal area

TYPE OF SOIL sandy/clay mix below top ~5' clay

TESTED BY F.S. & M.B.

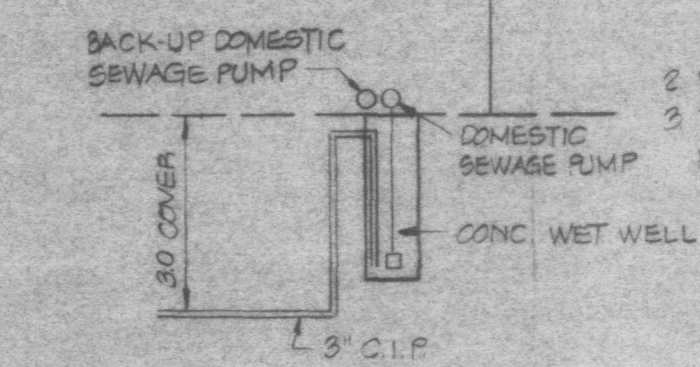
ALSO PRESENT: D. Rush & Fyacks crew



SMITHSONIAN INSTITUTION
419/333

EX 156" C.M.P.

HOUSE:
FF ELEV.: 306.0
BSMT. ELEV.: -
INV. OUT.: 304.6
SEPTIC TANK:
EX GRADE: 305.0
FIN GRADE: 305.0
INV. IN.: 304.3
INV. OUT.: 304.0
DRYWELL:
EX GRADE: 310.0
FIN GRADE: 310.0
INV. IN.: 316.0
WELL:
EX GRADE: 310.5
GRADE: 310.5



WET WELL:
EX GRADE: 305.0
FIN GRADE: 305.0
INV. IN.: 303.8
INV. OF WET WELL: 300.8

- NOTES:
1. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREAS AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF HEALTH AND MENTAL HYGIENE.
 2. PERCOLATION TEST HOLES HAVE BEEN FIELD LOCATED
 3. TOPO SHOWN HEREON WAS PREPARED FROM TOPOGRAPHIC SURVEY MADE BY BOENDER ASSOCIATES, INC.

11/30/81
Sketch O.R.
F.S.

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.

Joseph B. Byles COUNTY HEALTH OFFICER
5-25-78 DATE

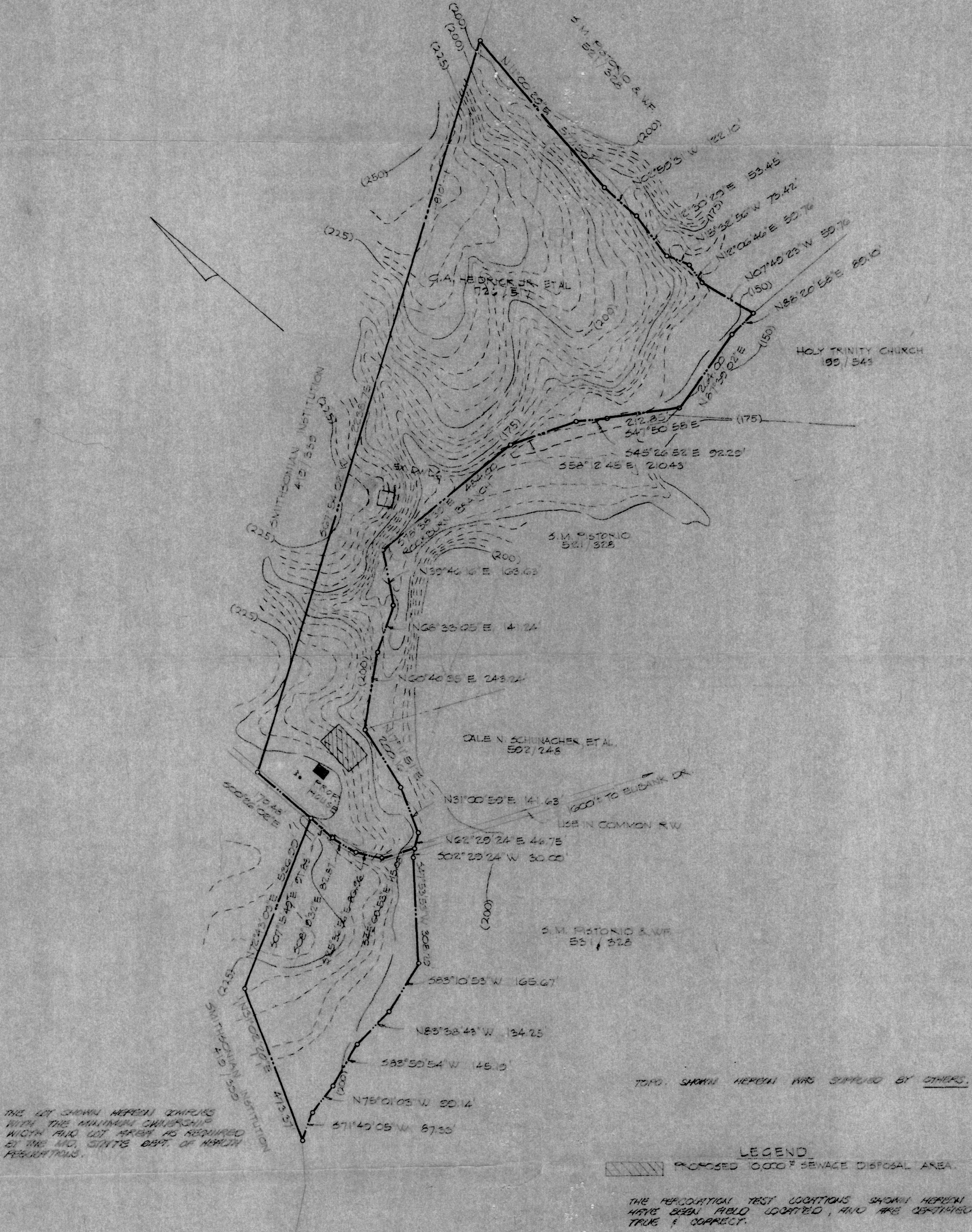


TITLE			
PERCOLATION TEST PLAT & GRADING STUDY			
PROJECT			
HEIDRICK PROPERTY			
LOCATION			
1 ST ELECTION DISTRICT HOWARD COUNTY, MD.			
DATE:	DESIGN BY:	DRAWN BY:	CHECKED BY:
FEB. 1978	D.R.	W.N.	D.R.
SCALE:	JOB NO.:	DRAWING NO.:	
1" = 50'	7606	1 OF 1	

boender associates

engineers
surveyors
planners

REVISIONS				
ISSUE	BY & DATE	DESCRIPTION		CHECK



THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MD. STATE DEPT. OF HEALTH REGULATIONS.

TOPO. SHOWN HEREON WAS SUPPLIED BY OTHERS.

LEGEND
 [Hatched Pattern] PROPOSED 10,000 G.S. SEWAGE DISPOSAL AREA.

THE PERFORATION TEST LOCATIONS SHOWN HEREON HAVE BEEN PROBABLY LOCATED, AND ARE CERTIFIED TRUE & CORRECT.

TITLE PLOT PLAN			
PROJECT PROPERTY OF G.A. HEIDRICK, JR. ET AL			
LOCATION 1ST ELECTION DISTRICT HOWARD CO., MD.			
DATE: 1/5/76	DES. BY: -	DRAWN BY: TD	CHKD. BY: JB
SCALE: 1"=200'	JOB NO. 7606	DRWG. NO.: -	

John L. Schneider
Professional Engineer

ENGINEERING
PLANNING
SURVEYING
BY

**BOENDER
ASSOCIATES
INC.**

BALTIMORE, MD. 465-7777
SALISBURY, MD. 749-1286
WESTMINSTER, MD. 848-5588

APPROVED FOR PRIVATE WATER AND SEWAGE SYSTEMS.

[Signature] 3/1/76
COUNTY HEALTH OFFICER