

10640-02-229617
PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 49690

A 45093

DISTRICT 2nd

DATE 10/20/93

DATE SYSTEM APPROVED 10/6/93

INSPECTOR RH

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXX~~ 313-2640

INDEXED

Olen Ketterman _____ IS PERMITTED TO INSTALL X ALTER _____

ADDRESS 14960 Route 144, Woodbine, MD 21797 PHONE 442-1336

SUBDIVISION McNabb Property LOT _____ ROAD 8538⁵ Old Frederick Road

PROPERTY OWNER Alfred Arsenault

ADDRESS _____

SEPTIC TANK CAPACITY 1500 GALLONS

NUMBER OF BEDROOMS 5

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 300

TRENCHES - Trench to be 3 feet wide. Inlet 2½ feet below original grade. Bottom maximum depth 4½ feet below original grade. Effective area begins at 2½ feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Start the first trench 135 feet from the right (211.78') lot line and 70 feet off the left (168.99') lot line. Run trenches on contour to front of lot.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK/MR 10/6/93

PLANS APPROVED BY Mark Rifkin DATE 6/21/93

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

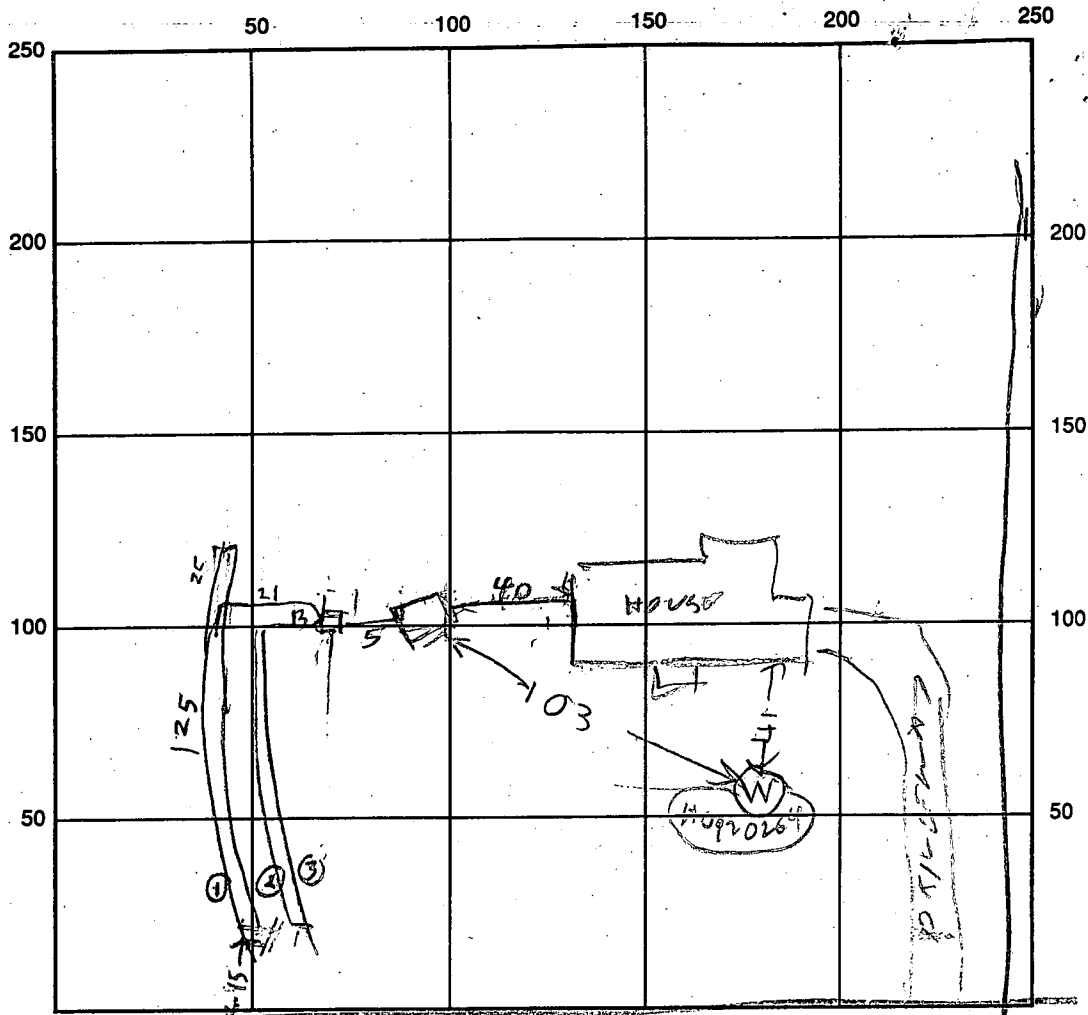
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

BLDG. PERMITS DIVISION
AND RETURNED 10/12/93
000126896 Deck

A
45093



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

OLD FREDERICK RD

9

SEPTIC TANK LEVEL OK 2000 CLEANOUTS _____

DISTRIBUTION BOX LEVEL OK

DRAIN FIELD/TITLE DEPTH 3 FT. TRENCH WIDTH 3 FT. INLET DEPTH 2 1/2 FT.

EFFECTIVE GRAVEL DEPTH 4 1/2 FT. TOTAL LENGTH 125 | 95 | 23 FT. TOTAL 303

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 909 SQ. FT.

DRYWALL INSIDE DIAMETER _____ FT. EFFECTIVE DEPTH BELOW INLET _____ FT.

ABSORBENT AREA _____ SQ. FT.

REMARKS: 10/6/93 3:50 PM - TRENCHES OK TO COVER

HOOK UP TANK & BOX & COVER ALL

DATE SYSTEM APPROVED 10/6/93 INSPECTOR Raymond Hodge

11-28-89
10:00 am

APPLICATION

PERCOLATION TESTING

A 45093
P _____

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

DISTRICT _____

DATE 10/19/89

1. 100ft buffer to stream.
2. Determine what structure sits at stream head.
3. Check for CuB (wet soils)

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 ~~EMERSON KEFAUVER~~ Alfred Arsenault

ADDRESS 1841 WOODSTOCK RD, WOODSTOCK, MD 21163 PHONE 465-1416 557-3974

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION KEFAUVER PROP. COMBINED w/ EXISTING McNabb Prop by Adj. Conveyance NOT ON PRELIM AS SDA FOR A LOT

ROAD AND DESCRIPTION SOUTH SIDE OLD FREDERICK RD @ DANIELS RD
(8539 Old Frederick Road)

TAX MAP 18 PARCEL # 19

SIZE OF LOT 3.0 AC. 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.

Emerson N. Arsenault
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING HOLD FOR PLAT-PERC OK MR 12/1/89

BLDG. PERMIT SIGNED
AND RETURNED 7/14/93
Serial # 49336-SFD

THIS IS NOT A PERMIT

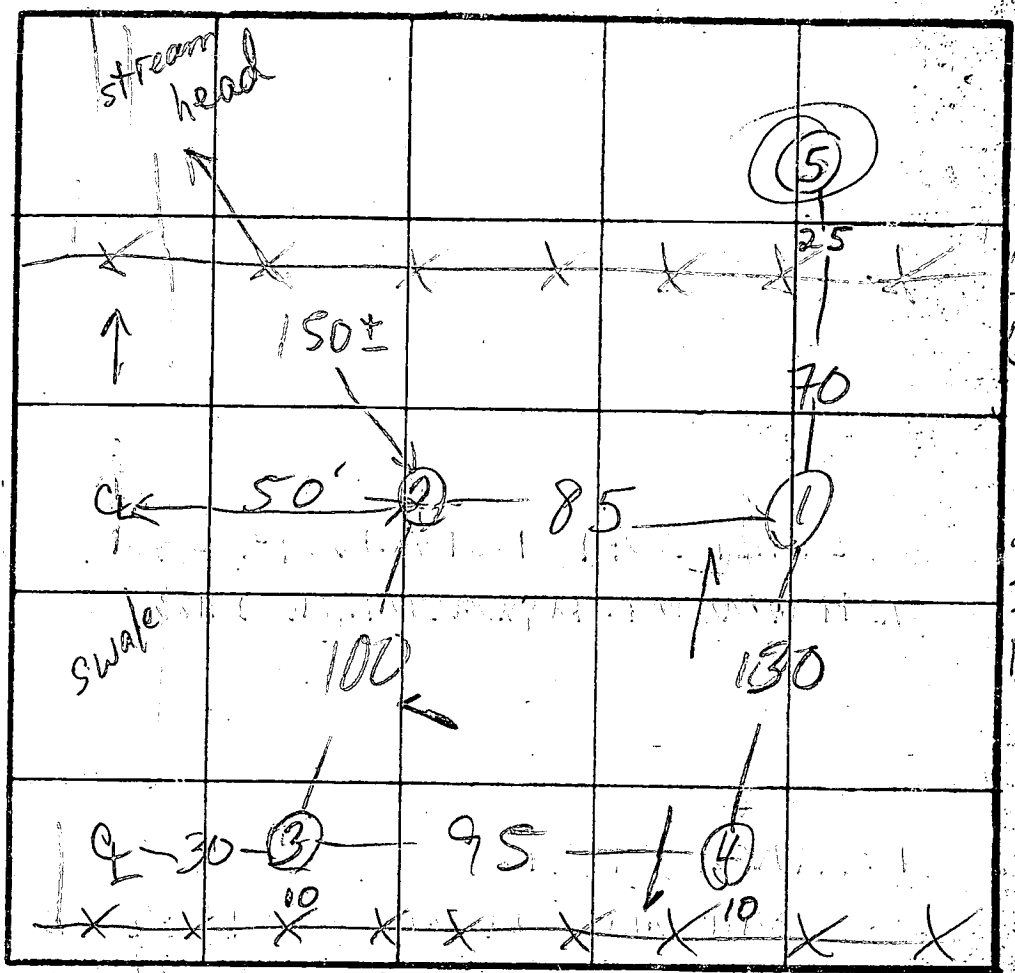
A45093
Lot 1

SOIL PROFILE

1-1/2
org/dk.
brn sandy
clay loam

fan/org
sand
loam
15%
frags

10
② ③



④ H1
① ③ MED
② LO
 $\bar{x} = 10$
210 A BR
Inlet 2 1/2
Bottom 4 1/2

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE... OLD FRED RD.

2'
dk. brn.
+ H. brn.
clay loam

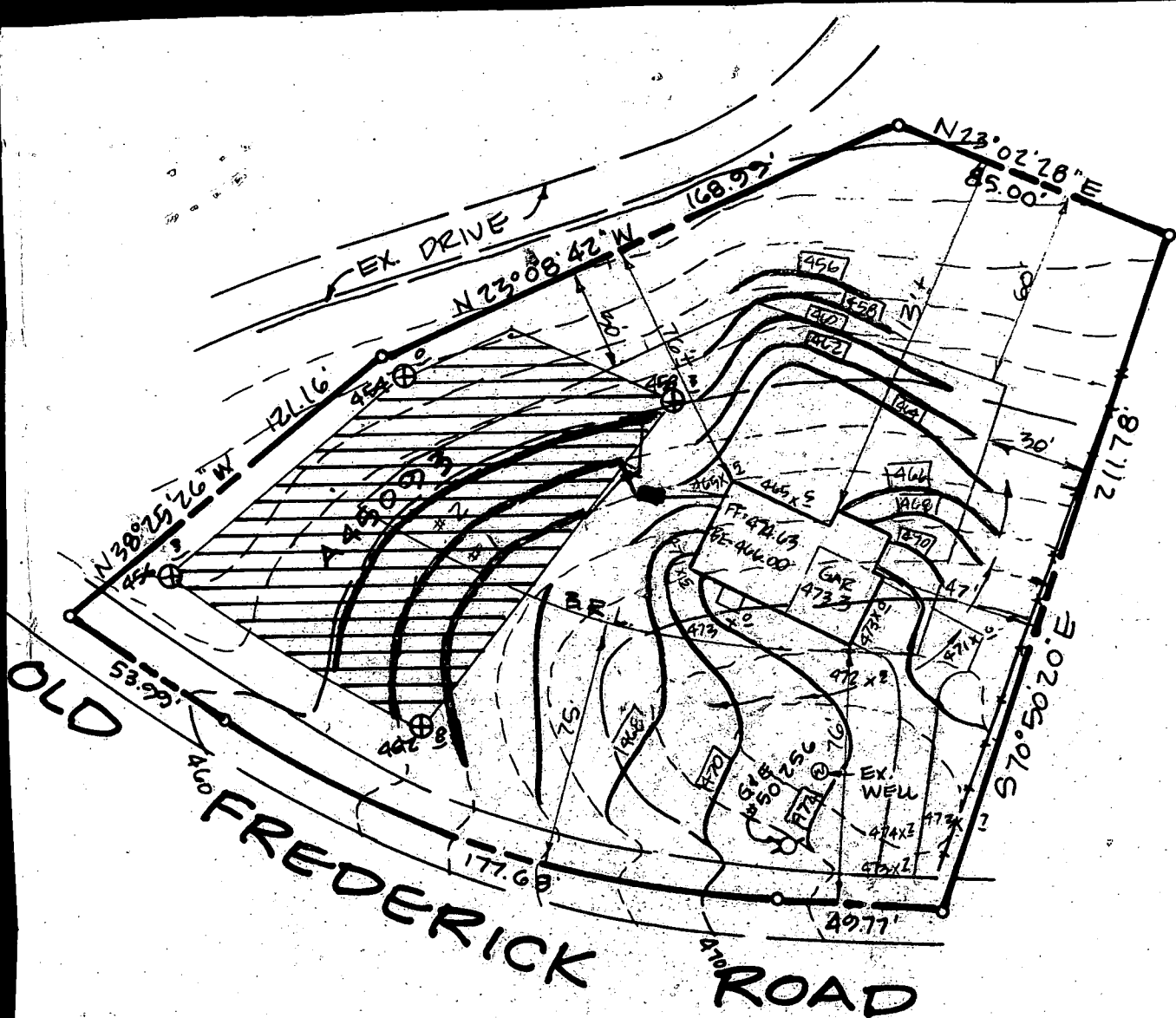
dk.
brn &
bright
org.
silty
sand
loam
HARD
BOTTOM
10%
frags

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1' DROP		TIME
			START	STOP	START	STOP	
1/28/79	1 S	2 1/2	1:23	1:25	1:25	1:29	4
	1 M	6	1:22	1:22	1:22	1:24	2
	1 V	10	see profile				
	2 S	3	1:42	1:45	1:45	1:53	8
	2 V	9	see profile				
	3 S	3	2:06	SLOW	PERC		
	3 S2	4	2:31	2:42	2:42	3:08	25 A ST
	3 V	11	sim to ② clay to 2'		10% frags		
	4 V	9	MARGINAL		30-40% frags		
	⑤	6'	WATER AT 6'		FAIL		

REMARKS SHALLOW ONLY HOLES ①-④ NOT PER PLAT

TYPE OF SOIL
TESTED BY M. Rifkin

ALSO PRESENT OK J. owner, eng'r



7/11/93
 REVISED PLAT

SEPTIC SYSTEM DATA *BP 4933*

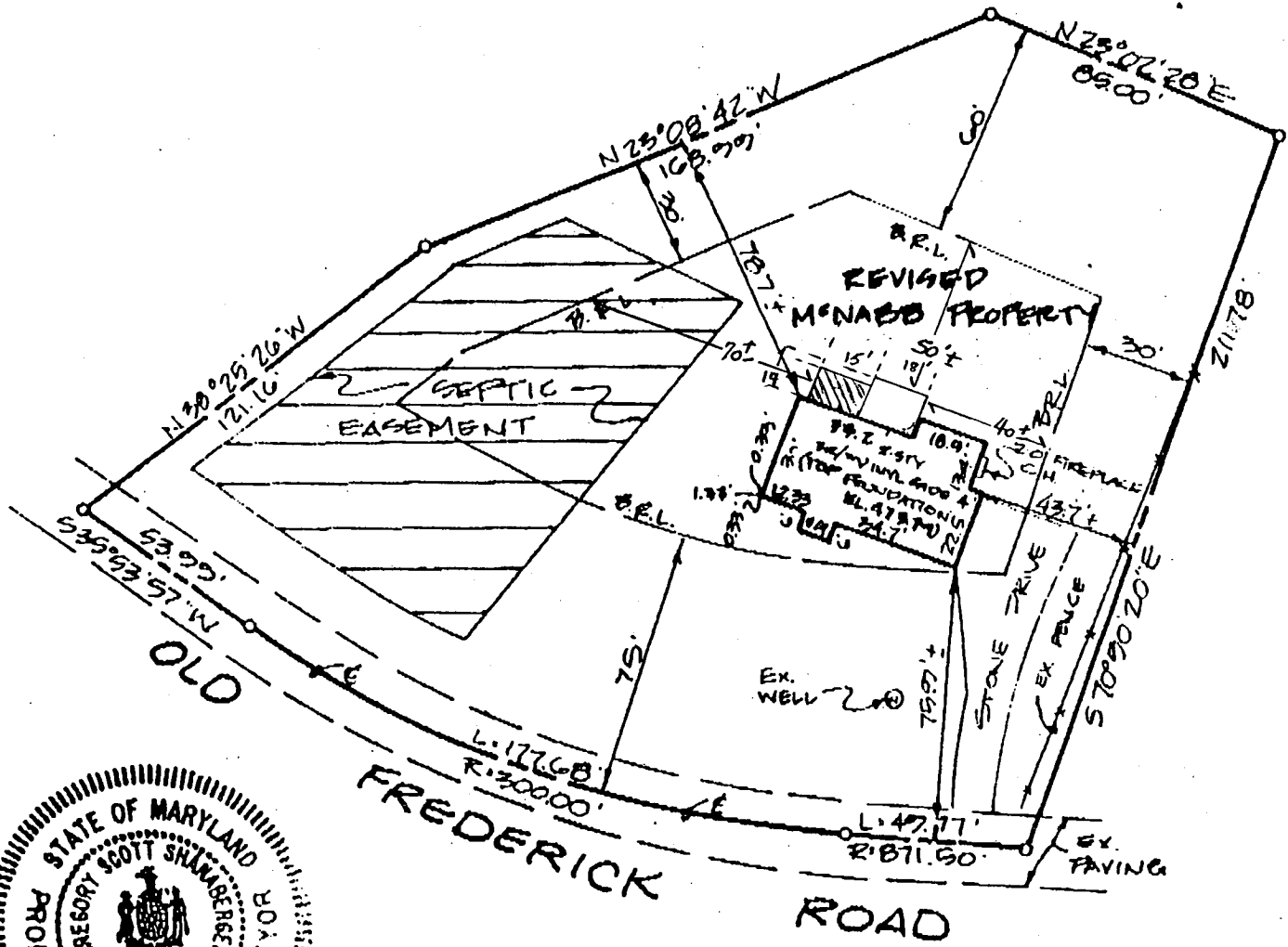
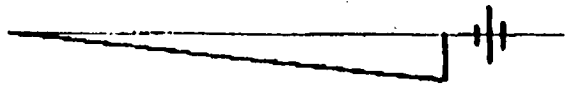
INV. @ HOUSE 461.3
 SEPTIC TANK
 EX. GRADE: 464.0
 FIN. GRADE: 464.0
 INV. IN.: 462.1
 INV. OUT.: 461.8

DISTRIBUTION BOX
 EX. GRADE: 463.0
 FIN. GRADE: 463.2
 INV. IN.: 461.7
 INV. OUT.: 461.7

TRENCHES (3' WIDE)	#1	#2	#3
EX. GRADE:	464.0	462.0	460.3
FIN. GRADE:	464.0	462.0	460.3
INV. IN.:	461.5	459.5	457.8
BOTTOM:	459.5	457.5	457.8
LENGTH:	100'	115'	135'

R.H.

THE PROPERTY SHOWN HEREON LIES IN ZONE C AS SHOWN ON FLOOD INSURANCE RATE MAP NO. 240044 0018B DATED: DEC. 4, 1986



I HEREBY CERTIFY THAT I HAVE LOCATED THE IMPROVEMENTS AS SHOWN. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY & CANNOT BE USED TO ESTABLISH PROPERTY LINES OR CORNERS.

Scott Shanaberger 7/27/93 REV
SHANABERGER & LAINE
8726 TOWN & COUNTRY BLVD.
SUITES 104
ELLCOTT CITY, MD. 21043

AS-BUILT CERTIFICATION
REVISED McNABB PROPERTY
SOUTHEAST SIDE OLD FREDERICK ROAD
L. 2175 / F. 253
TAX MAP 18 PARCEL 18
ELECTION DISTRICT: 2ND
COUNTY: HOWARD
SCALE: 1" = 50'
DATE: 7/27/93



HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer

Reply to: Charles B. Streaker
313-2640 or 313-2641

December 20, 1993

Mason Builders
3304 Amber Court
Ellicott City, Md.

21042

RE:

M^c N958 s/c
8539 Old Frederick Road
Well Tag No. HO- 92-0364

Dear Jim:

This is to advise you that the septic system was installed, inspected and approved on October 6, 1993.

The water sample recently submitted for testing was free of coliform and fecal coliform bacteria at the time of sampling and is bacteriologically safe for drinking.

The nitrate sample result was previously documented to be 15.1 parts per million. A nitrate device has not been installed to treat the excessive nitrate contamination.

COMAR 26.04.04.09 prohibits approval of any water supply with a nitrate-nitrogen contaminant level in excess of 10 parts per million. This department will grant a temporary deviation to that section of the regulation on condition that the nitrate removal system is installed within a period of 30 days and the nitrate removal system effectively maintains the nitrate-nitrogen contaminant level below the 10 parts per million requirement.

Furthermore, it will be necessary for you to comply with the following conditions:

1. The system must be properly operated and maintained continuously, in accordance with the service contract for the life of the residence. You must supply this department with a copy of that contract.
2. It is recommended that a yearly nitrate analysis be performed.

Bureau of Environmental Health
3525-H Ellicott Mills Drive Ellicott City, Maryland 21043-4544
Water and Sewerage, Permits 313-2640 Community Environmental Health 313-2642
Technical Services 313-2644 Director 313-2645 TDD 313-2323

3. If, in the future, you decide to sell or rent your home, you must make any potential buyer/tenant aware of the above condition.

INTERIM CERTIFICATE OF POTABILITY

This certifies that the initial sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under permit(s) HO-92-0364. No guarantee can be given for health protection beyond this date of issue. Based upon satisfactory investigation and evaluation by the Howard County Health Department, the Department of Health and Mental Hygiene accepts this well system as required by COMAR 26.04.04.09.

This certificate may become final upon completion of the final bacteriological test which is to be taken by the county health department within six months. The well owner accepts his responsibilities under COMAR 26.04.04.10.

May 21, 1993
Date Well Approved

December 18, 1993
Date of Water Sample

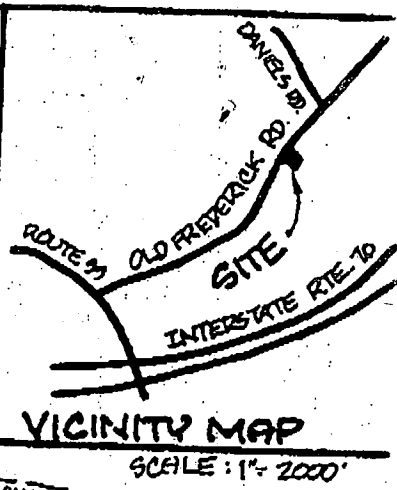
Charles B. Streaker, R.S.
Approving Authority
Charles B. Streaker, R.S.
Sanitarian
Water and Sewerage Program

CBS:hs

Enclosure

APPROVED: FOR PRIVATE WATER & PRIVATE SEWAGE SYSTEMS. HOWARD COUNTY DEPT. OF THE ENVIRONMENT.

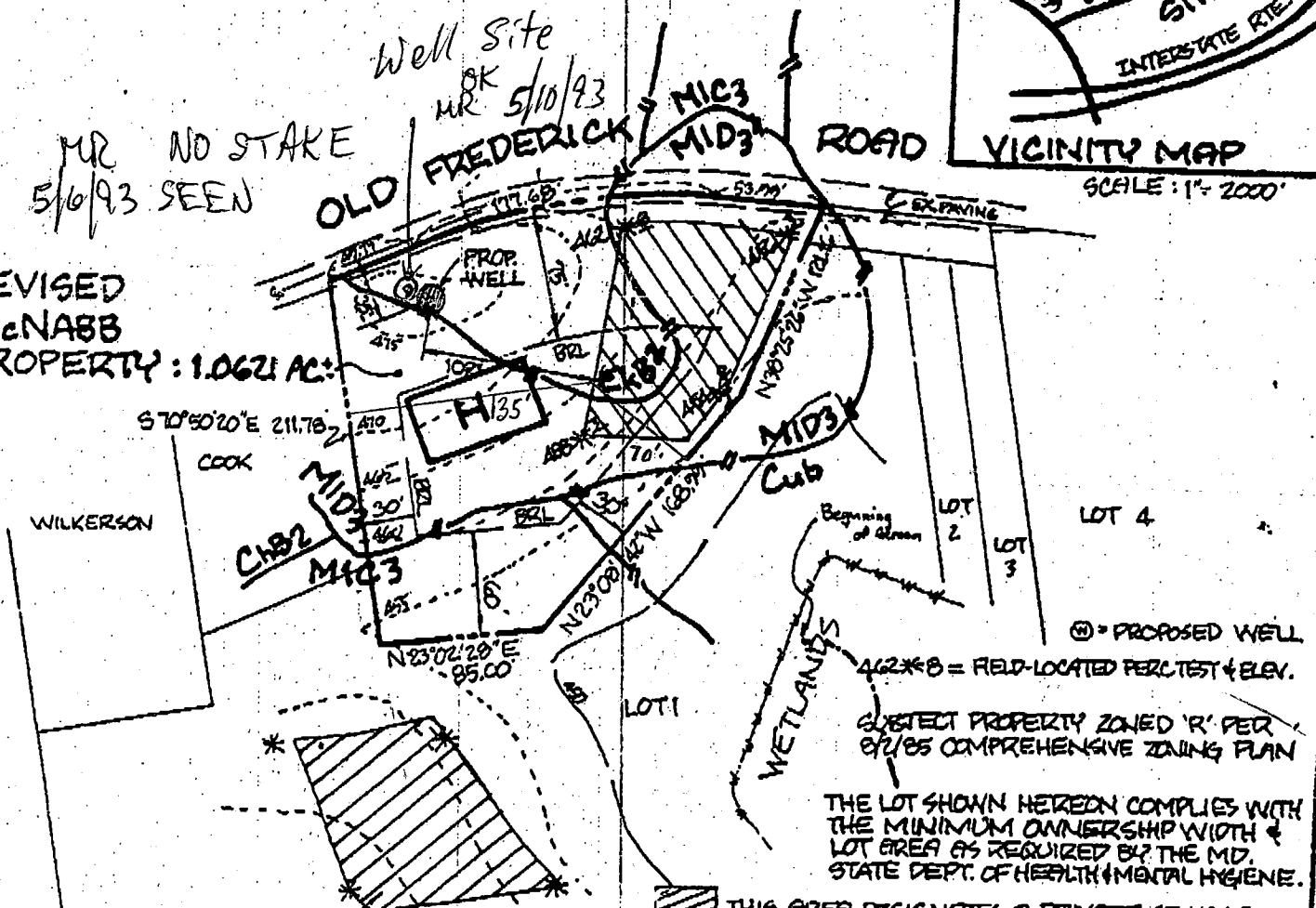
J. J. McNamee 5-8-90
COUNTY HEALTH OFFICER DATE



MR NO STAKE
5/10/93 SEEN

Well site
OK
MR 5/10/93

REVISED
McNABB
PROPERTY: 1.0621 AC.



⊙ = PROPOSED WELL

462x8 = FIELD-LOCATED PERC TEST & ELEV.

SUBJECT PROPERTY ZONED 'R' PER 87/85 COMPREHENSIVE ZONING PLAN

THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH & LOT AREA AS REQUIRED BY THE MD. STATE DEPT. OF HEALTH & MENTAL HYGIENE.

THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF 10,000 sq ft AS REQUIRED BY THE MD. STATE DEPT. OF HEALTH & MENTAL HYGIENE FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS EASEMENT SHALL BECOME NULL & VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE ESMT. PLAN SHALL NOT BE NECESSARY

SEPTIC EASEMENT FOR LOT 1, KEFAUVER PROPERTY, APPROVED ON 5/8/90



C. J. Shanaberger 5/6/90

Mr. Arsenault
859
6763

SHANABERGER & LANE
8726 TOWN & COUNTRY BLVD.
SUITES 106 & 107
ELLCOTT CITY, MD. 21043
461-9563

FIELD-LOCATED PERC TEST PLAT
REVISED McNABB PROPERTY
SOUTHEAST SIDE OLD FREDERICK RD.
2ND ELECTION DISTRICT
HOWARD COUNTY, MD.
SCALE: 1" = 100'
DATE: 5/1/1990

7882 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 **A 45093**

ST/CO USE ONLY
 DATE RECEIVED

DATE WELL COMPLETED
05-2-1973

Depth of Well
349
 (TO NEAREST FOOT)

PERMIT NO.
 FROM "PERMIT TO DRILL WELL"
HD-92-0364

OWNER **Arsonault** last name **Alfred** first name
 STREET OR RFD **Old Frederick Rd** TOWN **Ellicott City**
 SUBDIVISION **McNABB PROP** SECTION **1** LOT **1**

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		Check if water bearing
	FROM	TO	
Top Soil	0	2	
Brown shale	2	17	
Tan sand stone	17	20	
Granite	20	60	
Sand stone	60	65	L
Granite	65	340	

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle appropriate box) **Y** (yes) **N** (no)
 TYPE OF GROUTING MATERIAL
 CEMENT **CM** BENTONITE CLAY **BC**
 NO. OF BAGS **1** NO. OF POUNDS **600**
 GALLONS OF WATER **30**
 DEPTH OF GROUT SEAL (to nearest foot)
 from **0** ft. to **18** ft.
 (enter 0 if from surface)

CASING RECORD
 casing types insert appropriate code below
ST STEEL **CO** CONCRETE
PL PLASTIC **OT** OTHER

MAIN CASING TYPE
 Nominal diameter top (main) casing (nearest inch) **5 7/8**
 Total depth of main casing (nearest foot) **20**

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

SCREEN RECORD
 screen type or open hole insert appropriate code below
ST STEEL **BR** BRASS **HO** OPEN HOLE
PL PLASTIC **OT** OTHER

SCREEN
 DEPTH (nearest ft.)
1 **H O** **18** **340**
2
3

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 CASING LOG INDICATOR OTHER DATA

C 3

PUMPING TEST
 HOURS PUMPED (nearest hour) **6**
 PUMPING RATE (gal. per min. to nearest gal.) **2**
 METHOD USED TO MEASURE PUMPING RATE **Direct**
 WATER LEVEL (distance from land surface)
 BEFORE PUMPING **27**
 WHEN PUMPING **97**
 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) **31**
 PUMP HORSE POWER **37**
 PUMP COLUMN LENGTH (nearest ft.) **41**
 CASING HEIGHT (circle appropriate box and enter casing height)
+ above **-** below
 LAND SURFACE **2** (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. **40**
Henry J. Estabrook
 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
Chris Thompson
 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)