

4/12/84 App F.S.

4/12/84
Final

PERMIT

P 33598

A 29857

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
992-2330

04-332172
INDEX

ELLICOTT CITY
DISTRICT 4th.

DATE 2/29/84

Olen Ketterman IS PERMITTED TO INSTALL ALTER

ADDRESS 14960 Frederick Road, Woodbine, Maryland 21797 PHONE 442-1336

SUBDIVISION Middle Trail ROAD 16201 Old Frederick LOT 12-A

PROPERTY OWNER George R. Stuntz

ADDRESS _____

IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 22%.

GARBAGE GRINDER? YES NO

SEPTIC TANK CAPACITY 1000 GALLONS NUMBER OF BEDROOMS 3

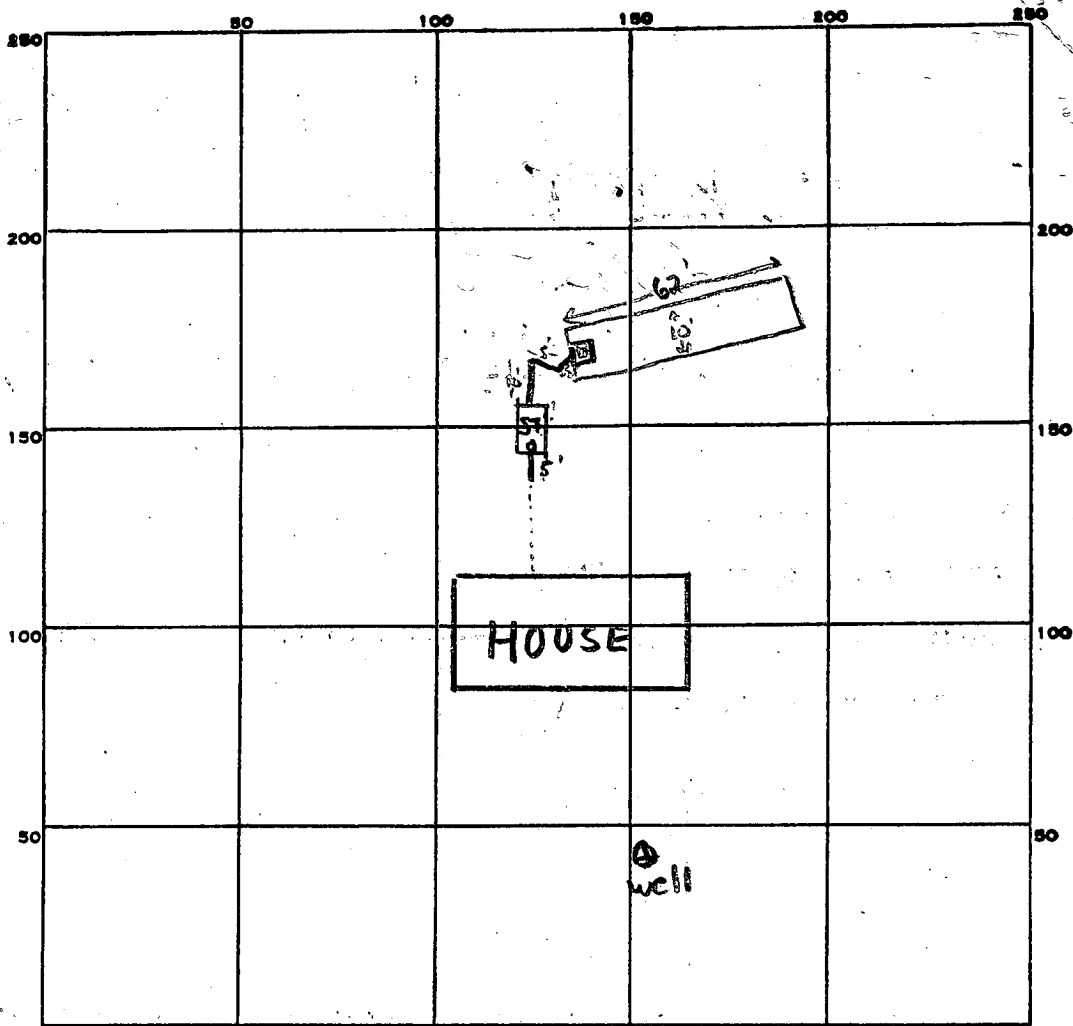
TRENCHES to be 10 feet wide. Inlet to be 4 feet below original grade and effective absorbant area from 4 feet to 7 feet only. Maximum depth of trenches to be 7 feet below original grade. A minimum of 130 sq. ft. effective absorbant sidewall area per bedroom need, plus 100 sq. ft additional - due to trenches only. Trench to be 60 feet long. Distribution box is to be used. Call for two inspections of trench = before and after stone installed. LOCATION: Run trench on contour and on level ground as much as possible. Start trench at a point 10 feet off right property line and 160 feet from front property line when facing lot from road (Old Frederick Road).

PLANS APPROVED BY C. B. Streaker/Frank Skinner DATE 2/7/84

- 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 AND AFTER PLACING GRAVEL IN TRENCH.
- 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 40 PVC OR ABS.
- 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, OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET MANHOLE TO GRADE REQUIRED.

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

A 29857



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Old Fredrick Rd.

PERMIT CARD _____

SEPTIC TANK, LEVEL _____

CLEANOUTS S.T.
O.K. _____

DISTRIBUTION BOX, LEVEL _____

TILE FIELD, DEPTH ? FT. TRENCH WIDTH 10 FT.

GRAVEL DEPTH ? FT. TOTAL LENGTH 62 FT.

NUMBER OF TRENCHES 1 TOTAL BOTTOM AREA 620

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

ABSORBENT AREA ±620 SQ. FT.

REMARKS 4/12/84 System complete @ time of inspection; Unable to see pipe from house to within 5' of septic tank, as trench caved in due to rain. J.S.

DATE SYSTEM APPROVED 4/12/84

INSPECTOR J. Skerrin

C1 3214 SEQUENCE NO. (OEP USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 56 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 **A29857**

Date Received (OEP use only)

DATE WELL COMPLETED **7/9/87**
 Depth of Well **184**
 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL"
HO-73-4279

OWNER **Sebastian** last name **Richard** first name
 STREET OR RFD **Old Fredrick Rd.** TOWN **Lisbon**
 SUBDIVISION **Middle Trail** SECTION **---** LOT **124**

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	
<i>Brown Shale</i>	<i>0</i>	<i>47</i>	
<i>Blue Rock</i>	<i>47</i>	<i>184</i>	

GROUTING RECORD
 WELL HAS BEEN GROUTED YES NO
 TYPE OF GROUTING MATERIAL CEMENT BENTONITE CLAY
 CEMENT **CM** BENTONITE CLAY **BC**
 NO. OF BAGS **10** NO. OF POUNDS **60**
 GALLONS OF WATER **60**
 DEPTH OF GROUT SEAL (to nearest foot) from **0** ft. to **50** ft.

CASING RECORD
 casing types insert appropriate code below
 ST STEEL CO CONCRETE
 PL PLASTIC OT OTHER
 MAIN CASING TYPE ST Nominal diameter top/main casing (nearest inch) **6** Total depth of main casing (nearest foot) **60**

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

C2 Seq. no. 2
 DEPTH (nearest ft.) **40** **58** **184**

- CIRCLE APPROPRIATE BOX
- 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 10.17.13 "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.

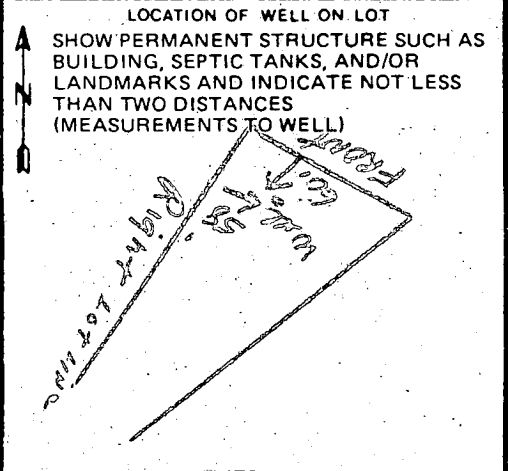
DRILLERS IDENT. NO. **258**
 DRILLERS SIGNATURE *James P. Mangione*
 (MUST MATCH SIGNATURE ON APPLICATION)

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

GRAVEL PACK _____
 IF WELL DRILLED WAS FLOWING WELL CIRCLE BOX F
 OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)
 T _____ (E.R.O.S.) W Q _____
 TELESCOPE CASING _____ LOG INDICATOR _____ OTHER DATA _____

C3 Seq. no. 3
PUMPING TEST
 HOURS PUMPED (nearest hour) **3**
 PUMPING RATE (gal. per min. to nearest gal.) **10**
 METHOD USED TO MEASURE PUMPING RATE *Submersible*
 WATER LEVEL (distance from land surface) BEFORE PUMPING **34** WHEN PUMPING **50**
 TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED YES NO
 DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX) Y N
 IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE
 TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: (A, C, J, P, R, S, T, O)) 29
 CAPACITY: GALLONS PER MINUTE (to nearest gallon) _____
 PUMP HORSE POWER _____
 PUMP COLUMN LENGTH (nearest ft.) _____
 CASING HEIGHT (circle appropriate box and enter casing height) above LAND SURFACE below (nearest foot) _____



APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 29857

P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P.O. BOX 476 ELLICOTT, MARYLAND 21043
TELEPHONE: 992-2330

DISTRICT 4th

DATE 5/22/79

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 Howard Associates, George R. Stuntz

ADDRESS Suite 118, Teachers Bldg, 190 Bruce, N. Md.,
Cooksville, Md. PHONE 854-6810

PROPERTY LOCATION:

SUBDIVISION (Middle Trail) LOT NO. 12-A

ROAD AND DESCRIPTION 16201 Old Frederick Rd.

SIZE OF LOT ? TYPE BLDG. 3 or 4 Bedrooms

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.

SIGNATURE OF APPLICANT 15/ Joel Abramson for Howard Associates

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

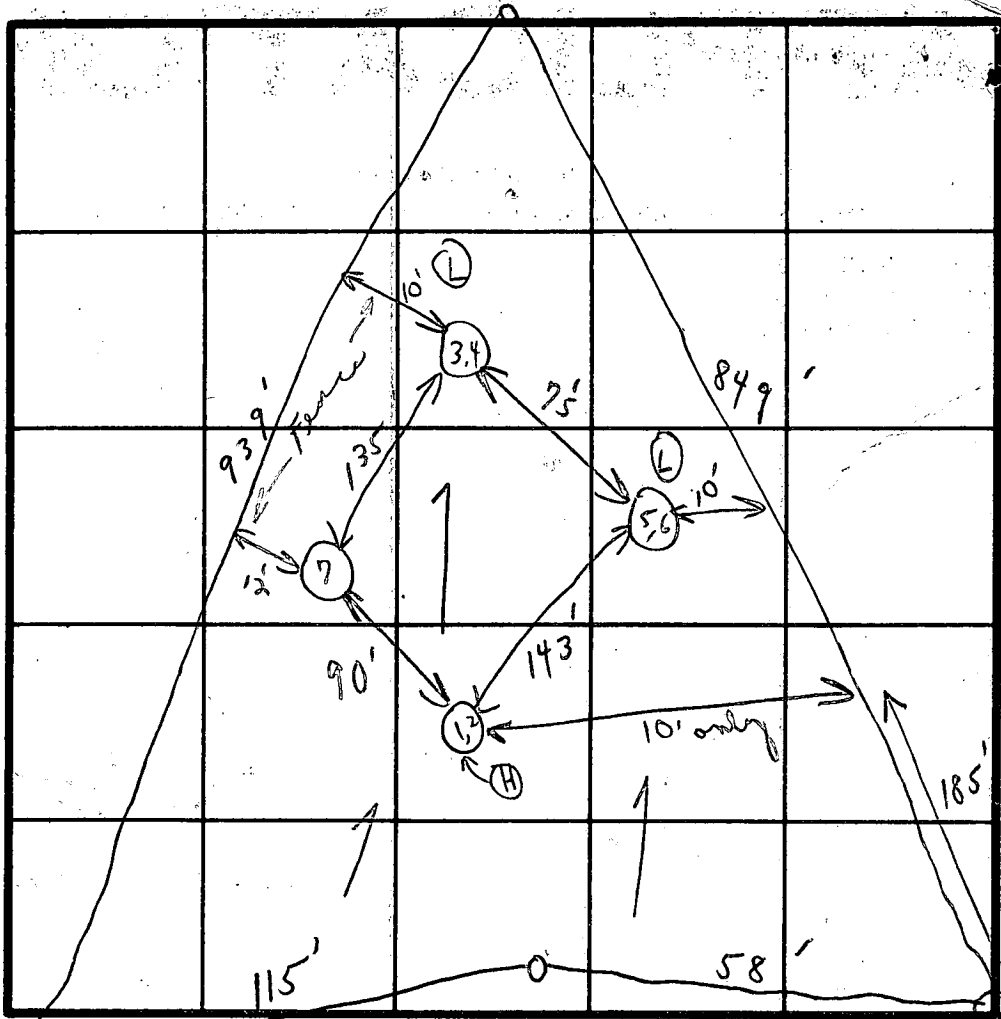
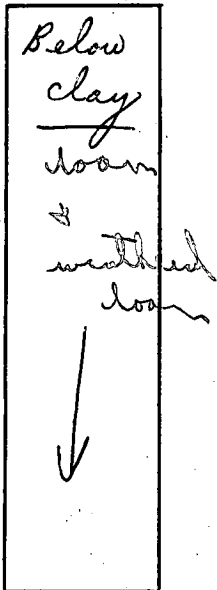
REASONS FOR REJECTION OR HOLDING See later tests on this sheet.

BLDG. PERMIT SIGNED C.B.C. & F.C.
AND RETURNED 3/7/84
Serial # 57414 SFD.

THIS IS NOT A PERMIT

12-A

SOIL PROFILE



Field sheet
Tests
per
stake

Woodline

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Old Frederick Road

Center of road
Poplar Springs

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6/3/29	Use 1	2'	10:46	10:49	10:49	10:52	3m
	① 2	11'-9"	10:46	10:48	10:48	10:50	1 1/2 - 2m
	3	2'	11:01	11:04	11:04	11:08	4m
	① 4	11'	11:01	11:03	11:03	11:04	1 1/2m
	5	2'	10:55	10:56	10:56	10:59	1m
	① 6	11'	10:56	10:57	10:57	10:58	1m
	7	11'-12 1/2'	Visual		similar to (1+2)		6 13

{ Study in section }

{ Study in section }

at most
Muddy
at 10:02

Muddy
10:59

Trenches
More shale
all the
way
Inlet 2'
Maximum
Depth 7'

REMARKS Tests in open field - high grass

TYPE OF SOIL

TESTED BY C. B. D.

ALSO PRESENT K. Allen, K. Hudgins + acct.

4-13' Lobs
- on 10,000 ft

APPLICATION

A 22540

Preliminary

SEWAGE DISPOSAL TESTING

P _____

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 4

DATE 11/25/75

*11/26/75 - 9:30
11/28/75 - 9:30*

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 Howard Associates

Any questions call:

ADDRESS _____ PHONE Joel Abramson
730-7733

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. 12 A

ROAD AND DESCRIPTION Old Frederick Road

SIZE OF LOT 1.501 acres TYPE BLDG. 3 or 4

NUMBER OF BEDROOMS
(Single Fmly. Dwllg.)

IF NOT SINGLE RESIDENCE DESCRIBE _____

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

SIGNATURE OF APPLICANT /s/ Joel Abramson

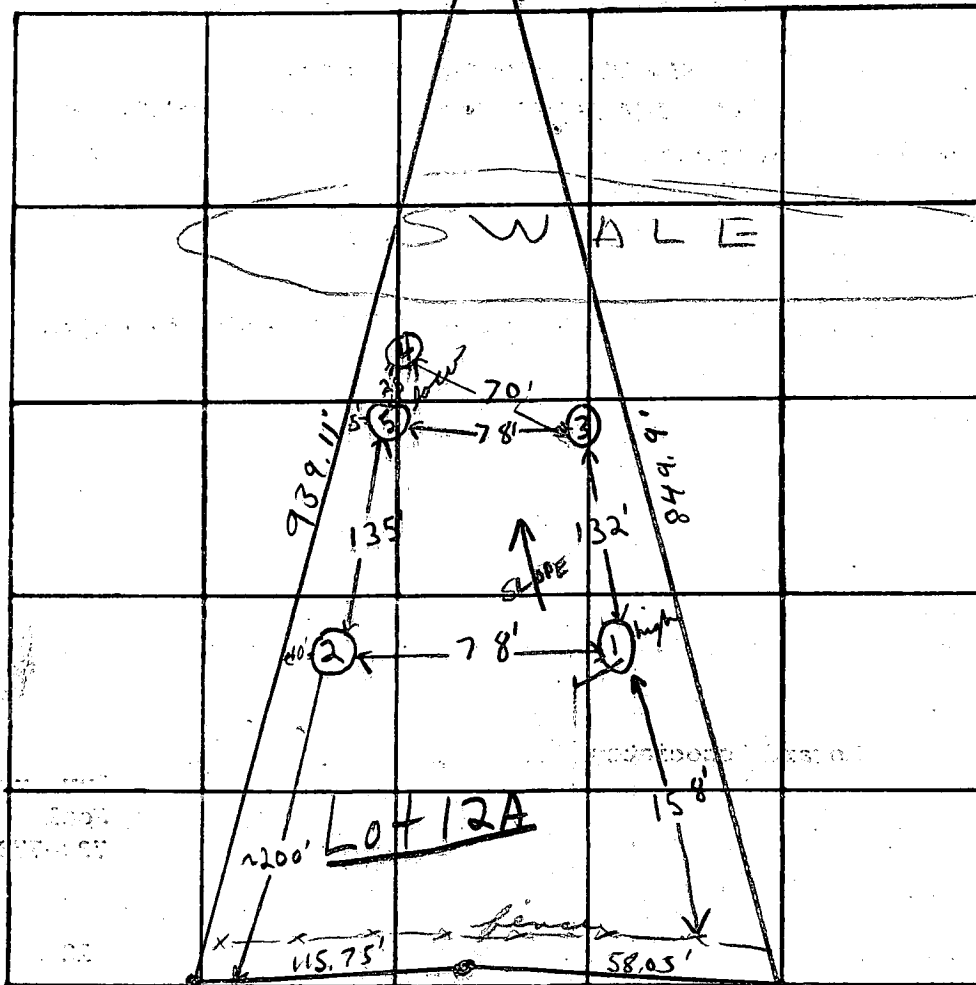
APPROVED BY _____ FOR _____ DATE _____

REJECTED BY Frank Shinn FOR any DATE 5/6/76
(KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING insufficient disposal area of poor soil
See later tests also.
C. B. D. + F. D.

THIS IS NOT A PERMIT



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
Old Fredrick Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3/11/76	1 high	4'	10:19	10:23	10:23	10:36	13 min
	1A	12 1/2'	10:18	10:20	10:20	10:24	4 min
	2	12' Clay to 3'					weathered saprotite 302
	3	4'	10:56	11:12	11:12	11:38	26 min
	3A	13'	10:50	10:52	10:52	10:56	4 min
	4 low	4 1/2'	11:23		11:46	3/4" drop	Failed
	4A	12 1/2'	11:20		11:47	1/2" drop	Failed
	5	5'	11:35	11:52	11:52		greater 3 1/2" drop in 30 min 12:22
	5A	12 1/2'	11:35	11:52	11:52	12:25	greater 33 min Failed

REMARKS _____

TYPE OF SOIL

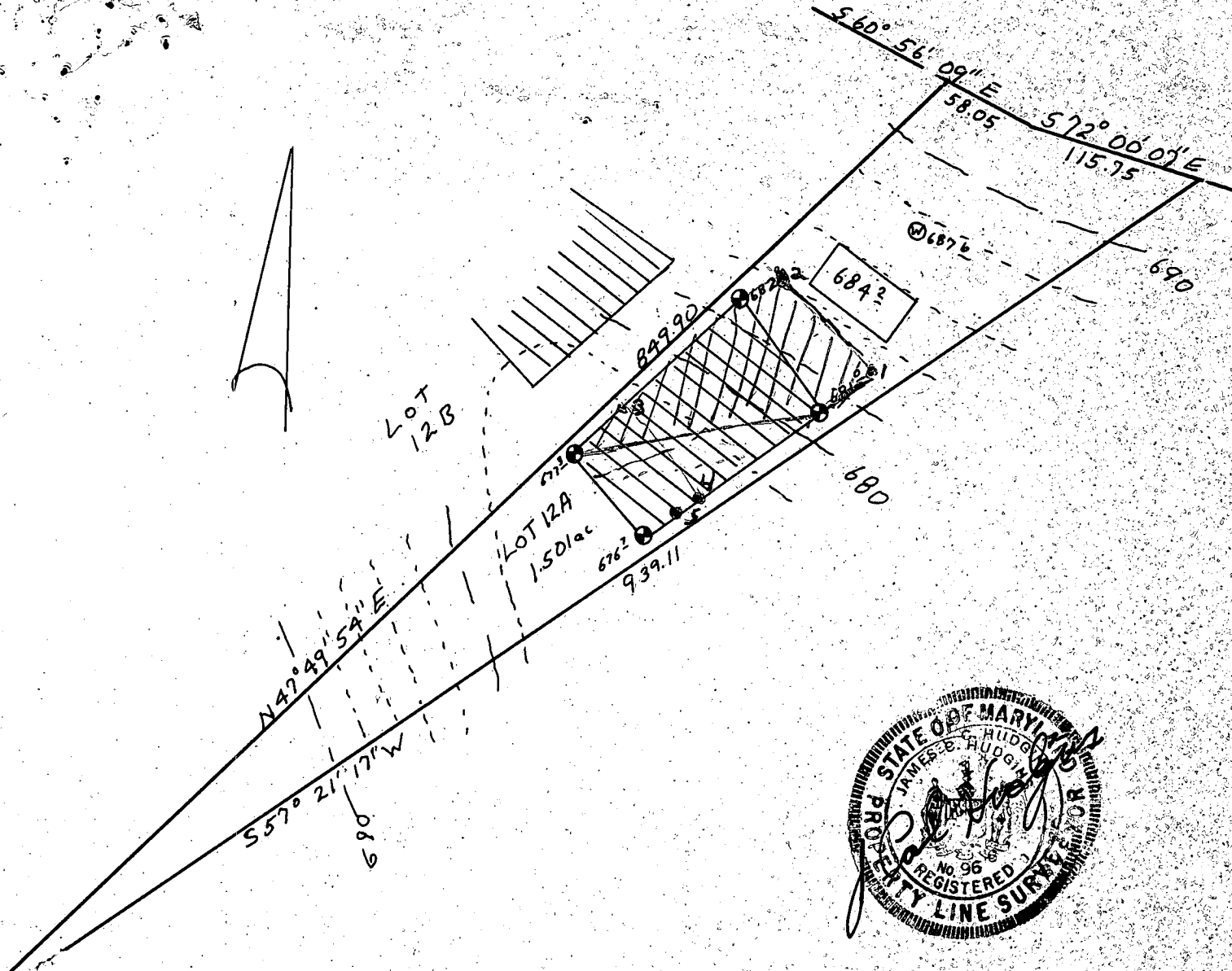
silty loam & weathered saprotite below top 3-5' silty soil

TESTED BY

F.S.

ALSO PRESENT:

Lendvics crew



This area designates a private sewage easement of 10,000 square feet as required by the Maryland State Department of Health and Mental Hygiene for individual sewage disposal. Improvements of any nature in this area are restricted until public sewage is available. These easements shall become null and 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 easement shall not be necessary.

Percolation test holes shown hereon have been field located and shown as "●".

The lots shown hereon comply with the minimum ownership width and lot areas as required by the Maryland State Department of Health and Mental Hygiene.

Percolation areas and water wells for adjoining lots have been shown where pertinent.

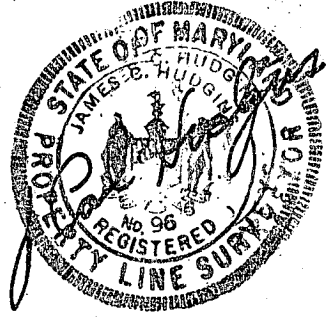
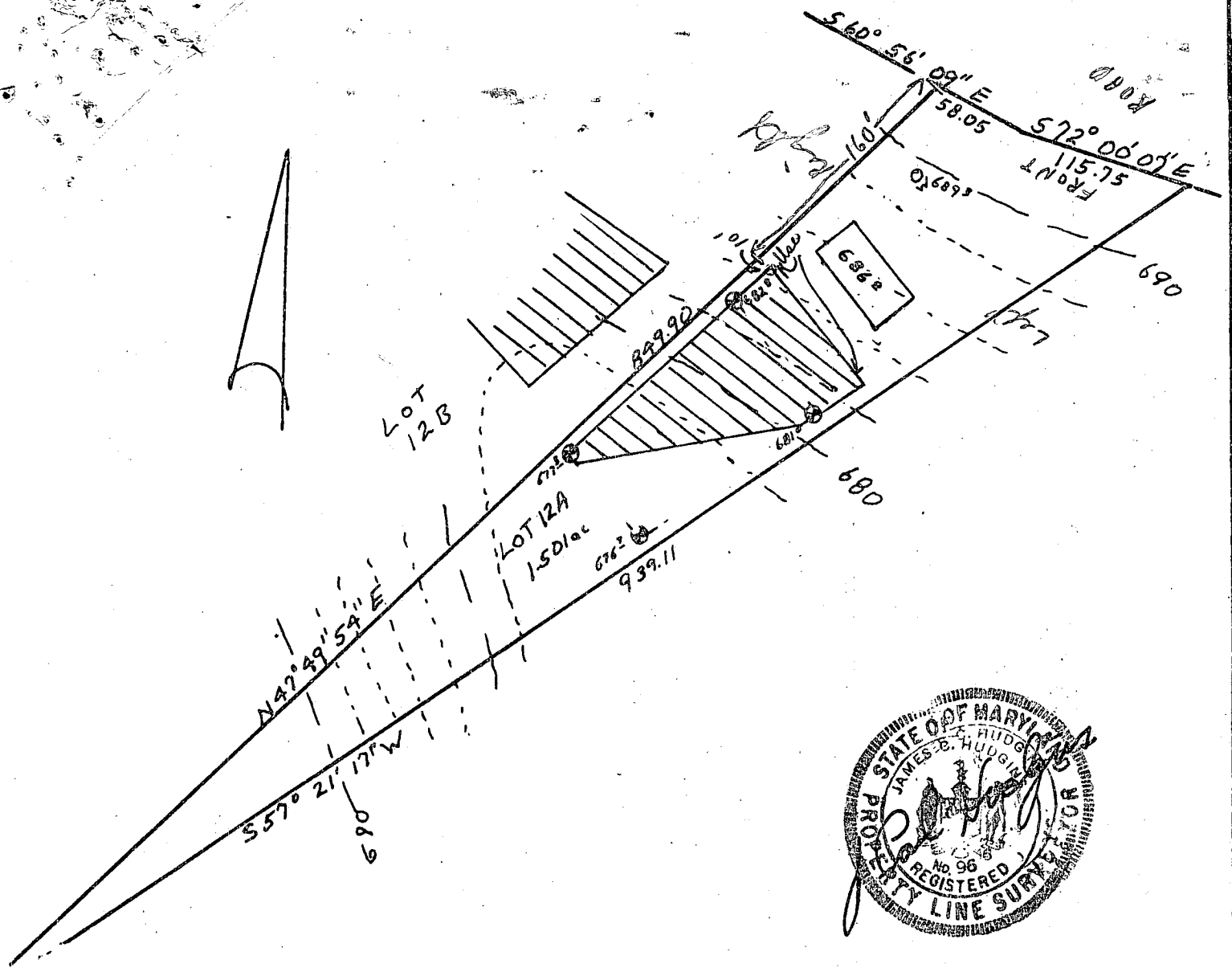
APPROVED: For Private Water and Private Sewage Systems

PERCOLATION TEST PLAT
 LOT 12 A
 MIDDLE TRAIL LISBON
 Property of
 Howard Associates

4th Election District
 Howard County, Maryland
 Scale 1"=100'
 Date 6-12-79
 Revised 10-12-81

NIT Associates
 Suite 307, Clark Bldg.
 Columbia, MD 21044
 321-0307

 County Health Officer Date



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PERCOLATION TEST PLAT
 LOT 12 A
 MIDDLE TRAIL LISBON
 Property of
 Howard Associates

4th Election District
 Howard County, Maryland
 Scale 1"=100'
 Date 6-12-79
 Revised 10-12-81

NTT Associates
 Suite 307, Clark Bldg.
 Columbia, MD 21044
 321-0307

APPROVED: For Private Water and Private Sewage Systems

Joseph Boyles
 County Health Officer

11-11-81
 Date

Pump test to emergency pump if any at 9:00 A.M.

B 1 11896 SEQUENCE NO. WRA USE ONLY
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

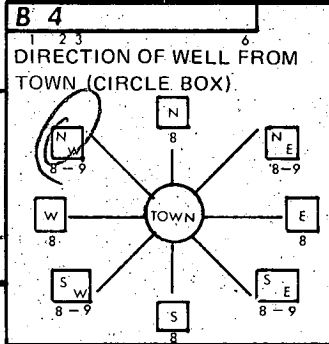
STATE OF MARYLAND
APPLICATION FOR PERMIT TO DRILL WELL
please print or type

WRA PERMIT NUMBER
H0-73-4214
fill in this form completely

DATE RECEIVED 06/28/82
7/9/82
9:30 A.M.
OWNER INFORMATION
Richard
Richard
Richard
11438 Stewart Lane, Apt. C-1
Silver Springs, Md. 20904

B 3 LOCATION OF WELL
COUNTY Howard
SUBDIVISION Middle Trail
SECTION 12 A
NEAREST TOWN Lisbon
MILES FROM TOWN 1.10 MI

B 1 CONTINUED DRILLER INFORMATION
Joseph H. Wayne 238
DRILLER'S NAME LICENSE NO. 80
Joseph H. Wayne June 28, 82
SIGNATURE DATE



B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)
Old Frederick Rd
NEAR WHAT ROAD
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) WEST EAST SOUTH NORTH
70
DISTANCE FROM ROAD (CIRCLE APPROPRIATE BOX) 37 38 39

B 2 WELL INFORMATION
APPROX. PUMPING RATE (GAL. PER MIN.) 5
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 750

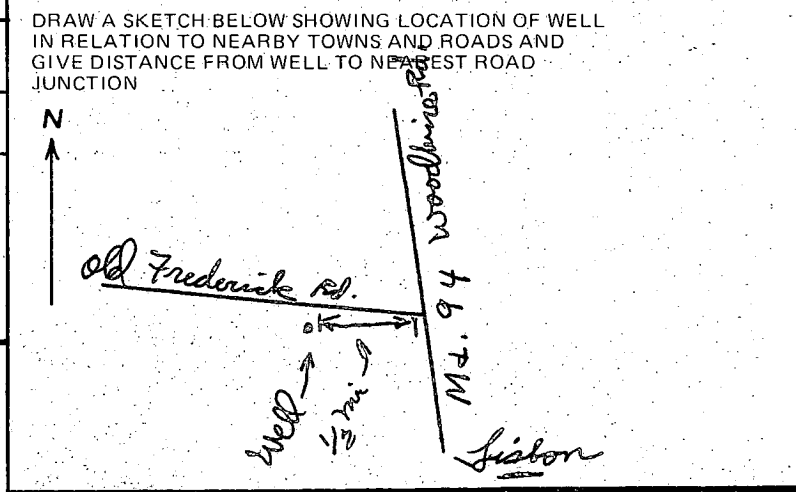
USE FOR WATER (CIRCLE APPROPRIATE BOX)
D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
P PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)
T TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

SHOW LOCATION OF WELL WITH AN "X" IN THIS BOX
Location OK
60' casing
1' above gr
50' jet
10' bag cement
7/9/82 X
770-7
5502

APPROXIMATE DEPTH OF WELL 300 FEET
APPROXIMATE DIAMETER OF WELL 6 INCH

Method of Drilling (circle one)
BORED (OR AUGERED) JETTED JETTED & DRIVEN
AIR ROTARY AIR PERCUSSION ROTARY (HYDRAULIC)
CABLE REVERSE ROTARY DRIVE POINT ROTARY
other

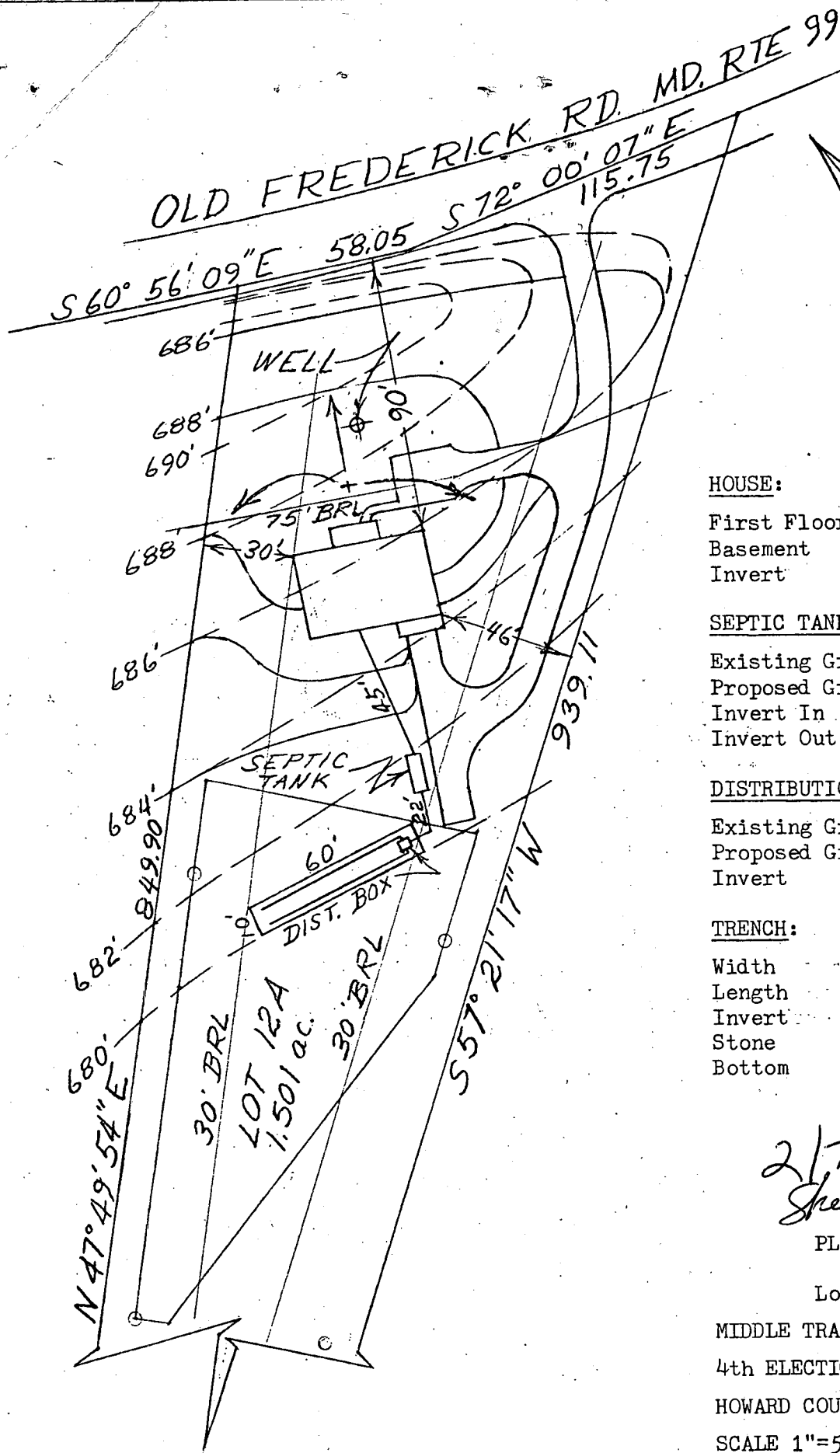
REPLACEMENT OR DEEPEMED WELLS (Circle Appropriate Box)
N THIS WELL WILL NOT REPLACE AN EXISTING WELL
Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY
D THIS WELL WILL DEEPEMED AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)



Not to be filled in by driller (WRA USE ONLY)
APPROX. PERMIT NUMBER GAP
FORCE FS INITIALS IN BOX
CONDITIONS H0-73-4214

B 4 NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
Howard 229857
COUNTY NAME STATE NO.
EHA SIGNATURE Frank Skinner DATE 6/29/82
MO 06 DAY 29 YR 82
NORTH 552 EAST 0777 ELEV. (FT.)
GRID 50 55 GRID 57 63 65 68

B 5 SPECIAL CONDITIONS (WRA USE ONLY)



HOUSE:

First Floor	691.5
Basement	682.82
Invert	681.16

SEPTIC TANK:

Existing Grade	682.0
Proposed Grade	682.0
Invert In	676.5
Invert Out	676.25

DISTRIBUTION BOX:

Existing Grade	680.8
Proposed Grade	680.8
Invert	676.0

TRENCH:

Width	10'
Length	60'
Invert	676
Stone	3'
Bottom	673

2/7/84
Sketch OK.
J.S.

PLOT PLAN

Lot 12-A

MIDDLE TRAIL LISBON

4th ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

SCALE 1"=50' DATE 1/28/84

I certify the above measurements and elevations are actual and true for this property.

George R. Stuntz, Jr.
George R. Stuntz, Jr.

16201