

7/5/96
Anytime

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 56953-C

A 32088

DISTRICT 4th

DATE 5/29/96

DATE SYSTEM APPROVED 7/5/96

INSPECTOR M. Rifkin

04-350553

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

461-9933 313-2640

INDEXED

Bernard Brothers Construction Company, Inc. IS PERMITTED TO INSTALL ALTER

ADDRESS 1612 Brittle Branch Way, Woodbine, MD 21797 PHONE 489-7621

SUBDIVISION Lisbon Estates LOT 6 ROAD 1642 Brittle Branch Way

PROPERTY OWNER James and Cynthia Horan

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 280

TRENCHES - Trench to be 3 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 5.5 feet below original grade. Effective area begins at 3.5 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place distribution box 305' from the front lot line and 80' from the right lot line as seen when facing the property from Brittle Branch Way. Run trenches along level ground 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/cw*

PLANS APPROVED BY Mark Rifkin DATE 6/19/92

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

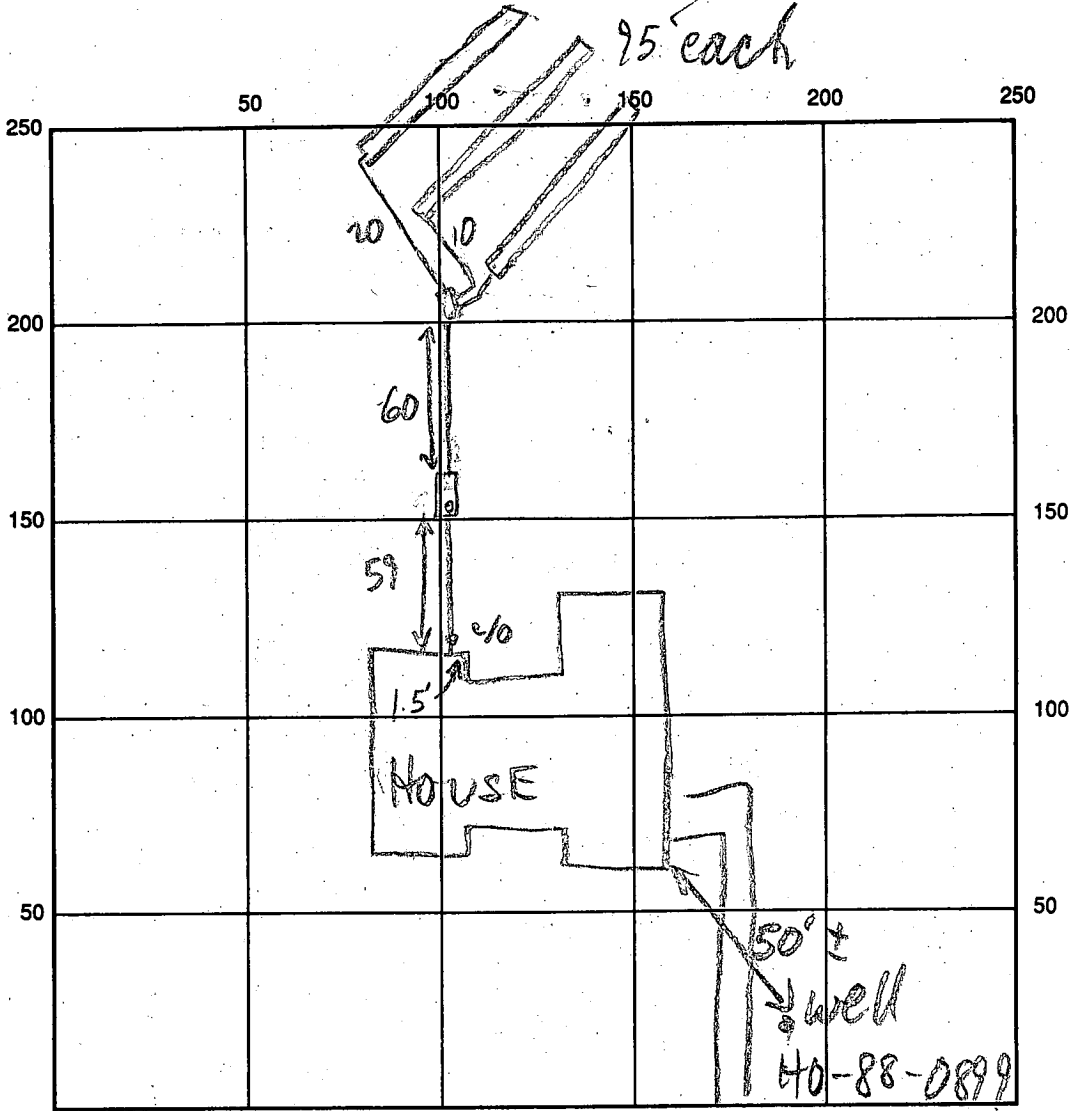
PERMIT VOID AFTER TWO YEARS

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**

A 32088



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 1250 GAL - OK CLEANOUTS S.T. & INLINE
 DISTRIBUTION BOX LEVEL OK - BAFFLE IN
 DRAIN FIELD/TITLE DEPTH 5.5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 3.5 FT.
 EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 3 @ 95 FT.
 NUMBER OF TRENCHES 3 ONE-SIDEWALL/BOTTOM AREA 3 @ 285 SQ. FT.
 DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.
 ABSORBENT AREA 855 SQ. FT.

REMARKS: 7/5/96 OK TO COVER ALL TRENCHES
SLIGHTLY HIGHER THAN SDA MR

DATE SYSTEM APPROVED 7/5/96 INSPECTOR M. Ripkin

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 32088
P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P O BOX 473 ELLICOTT CITY, MARYLAND 21043
TELEPHONE 992-2330

DISTRICT _____

DATE 7-16-82

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 Lawrence Blumberg/Charles Snouffer

ADDRESS 2909 Old Court Road, Baltimore 21209 PHONE 574-9300

PROPERTY LOCATION:

SUBDIVISION BLUMBERG Lots 1 through 15 LOT NO. 8

ROAD AND DESCRIPTION East of S.R. 94, .5 miles south of Rt. 144 intersection with S.R. 94

SIZE OF LOT 3.36 Acres TYPE BLDG (S.F. Detached) 4 BR
(NUMBER OF 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. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT

Reimer-Tracy & Assoc. by Arthur E. Muegg
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

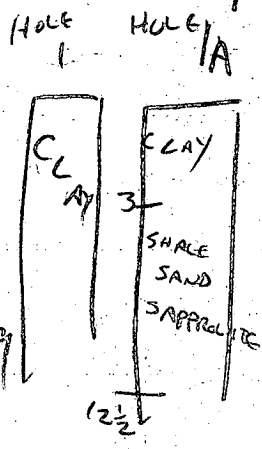
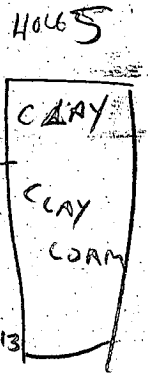
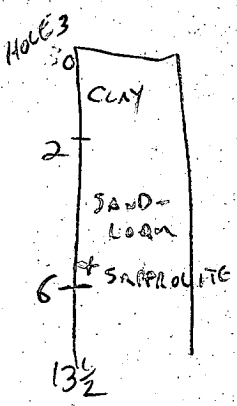
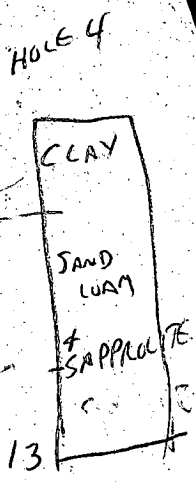
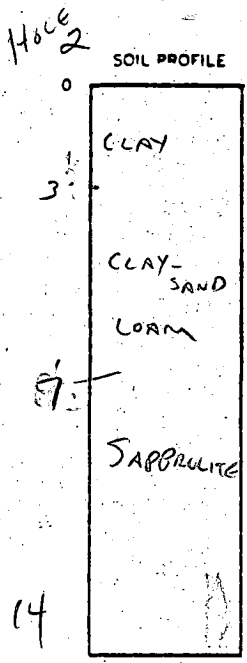
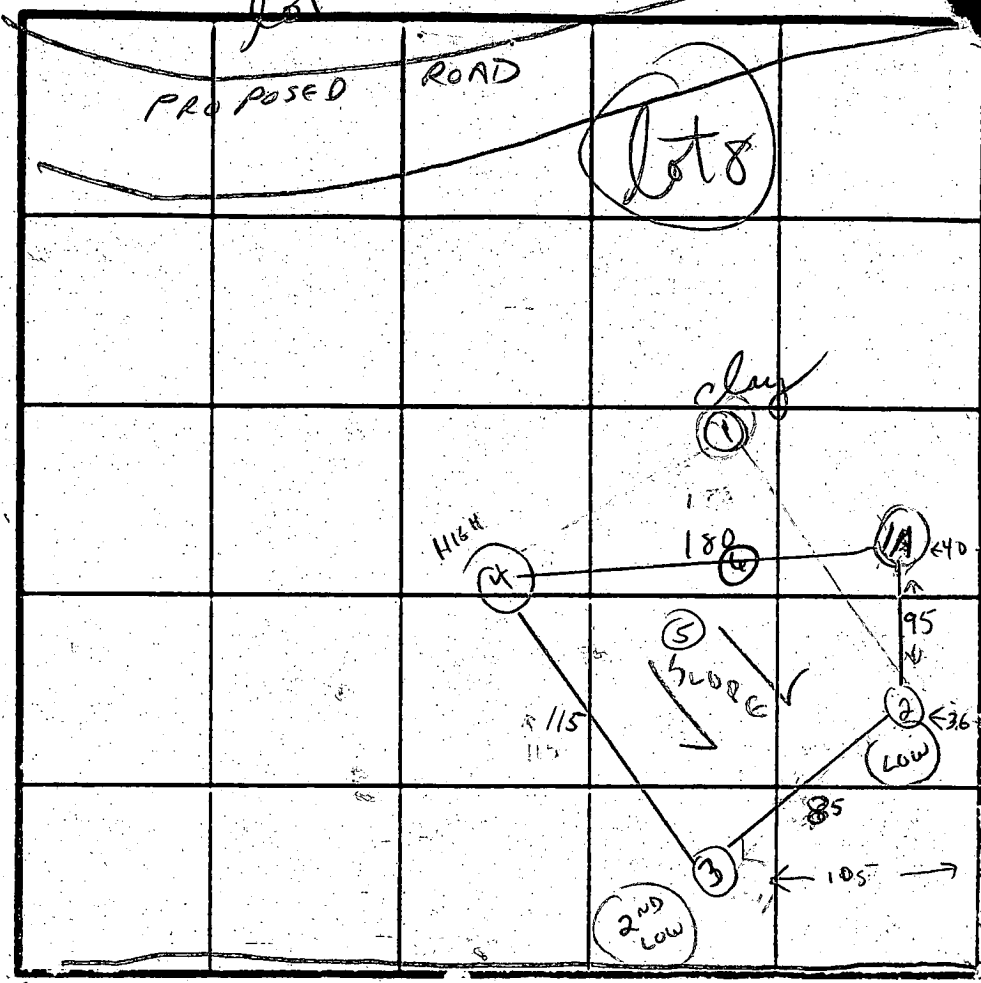
HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT

LOT 8

LOT 7



DATE	TEST NO	DEPTH	PRE-WET		TEST - 1" DROP		TIME		
			START	STOP	START	STOP			
8-27-82	1 S	9	CLAY - NO TEST						X
	1.5 M (12 1/2)	4 1/2	11:02	11:20	11:20	11:39	19		OK
	2 M	9	11:03	11:11	11:11	11:31	20		OK
8-27-82	2 S	4 1/2	10:14	10:23	10:23	10:35	12 MIN		OK
	2 M	9	10:13	10:23	10:23	10:35	12 MIN		OK
	V	14' CLAY TO 3 FT THEN SANDY LOAM CHANGING TO SAPPROLITE AT 6'-14'							
8-27-82	3 S	4 1/2	10:30	10:33	10:33	10:40	7 MIN		OK
	3 M	10 1/2	10:28:30	10:36	10:36	10:46	10 MIN		OK
	V	13 1/2 CLAY TO 2 FT THEN SANDY LOAM TO SAPPROLITE 7'-14'							
8-27-82	4 S	3 1/2	10:49	10:52	10:52	10:59	5 MIN		OK
	4 M	8	10:50	11:01	11:01	11:24	23 MIN		OK
	5 V	13 CLAY TO 2' THEN SAND LOAM MIXED W/ SAPPROLITE TO 10 1/2'							
	5 V	13 CLAY TO 4' CHANGING TO LOAM 4'-13'							
12/14/81	6 V	12' CLAY TO 4' - yellow OR SILTY LOAM + Fraggs 40% AT 11'							

REMARKS OK

TYPE OF SOIL 2-3 FT CLAY THEN SANDY LOAM W/SAPPROLITE

TESTED BY C WILLIAMS & R HODGES ALSO PRESENT WBBU VANDERVALE LARRY DERHOFF

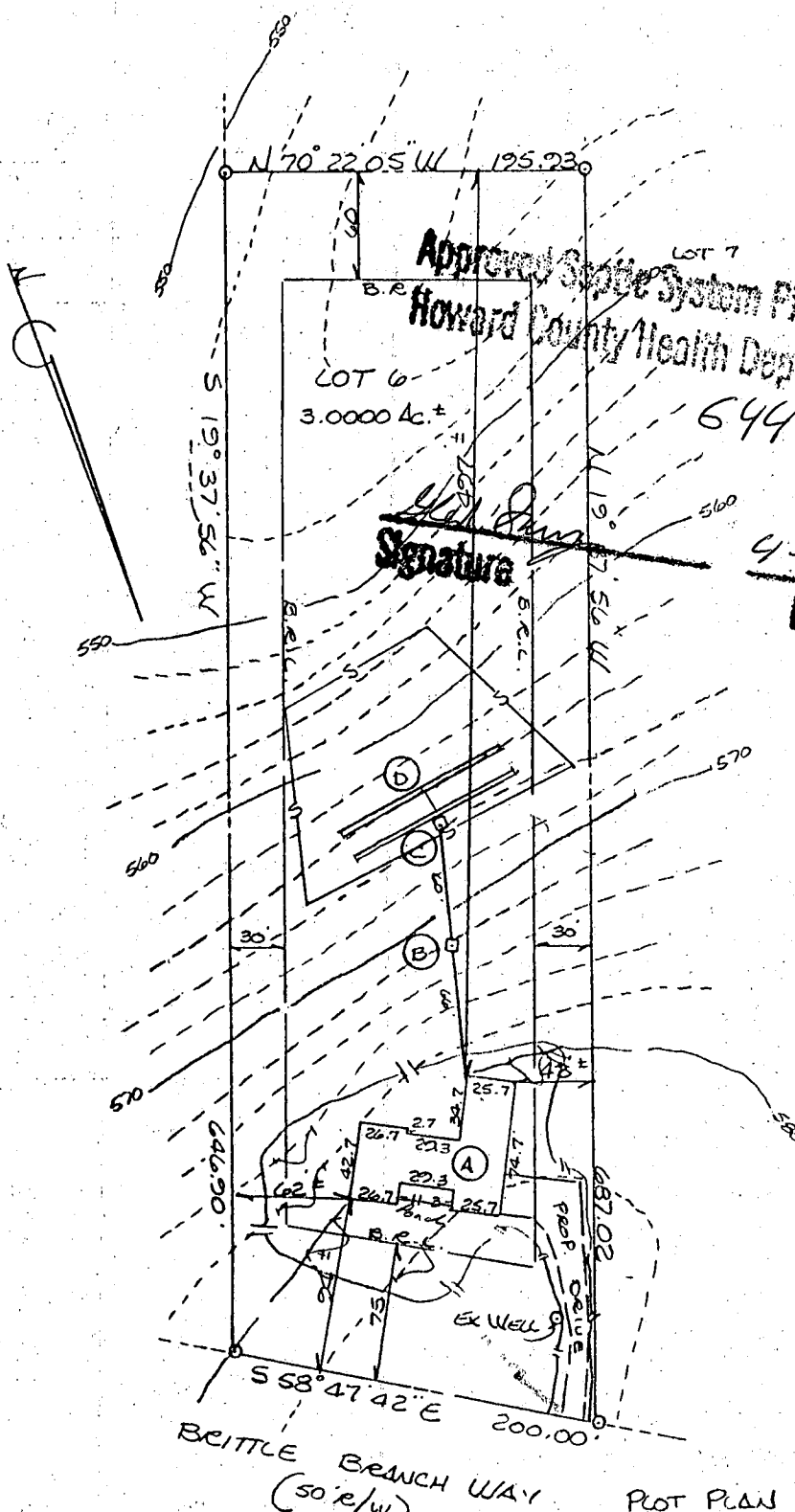
X = 12 min

(A) = PROP. 4 BED HOUSE
 F.F. ELEV. = 583.0
 BSMT. CLEV. = 573.5
 INV. ELEV. = 572.3

(B) = PROP SEPTIC TANK
 EX. ELEV. = 572.8
 INV. IN = 568.7
 INV. OUT = 568.4

(C) = PROP. DIST. BOX
 EX. ELEV. = 565.8
 INV. ELEV. = 562.6

(D) = PROP. TRENCHES
 INV. ELEV. = 562.3
 2' STONE, 5.5' BOT. MAX.,
 LENGTH TO BE DETERMINED
 AT TIME OF SEPTIC PERMIT
 ISSUANCE.



Approved Septic System Plan
 Howard County Health Department
 64444

[Signature]
 Date 4-22-96

BRITTLE BRANCH WAY
 (50' r/w)

PLOT PLAN
 LOT 6
 LISBON ESTATES
 SITUATED ON BRITTLE BRANCH WAY
 ELECTION DISTRICT No 4
 HOWARD COUNTY, MARYLAND
 SCALE: 1" = 100' APRIL 1996



I CERTIFY THIS PLAT TO BE CORRECT; IT IS THE RESULT OF AN ACTUAL FIELD SURVEY, BASED ON DATA FOUND AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND, AS REFERENCED HEREON.

NH NASSAUX-HEMSLEY, INC.

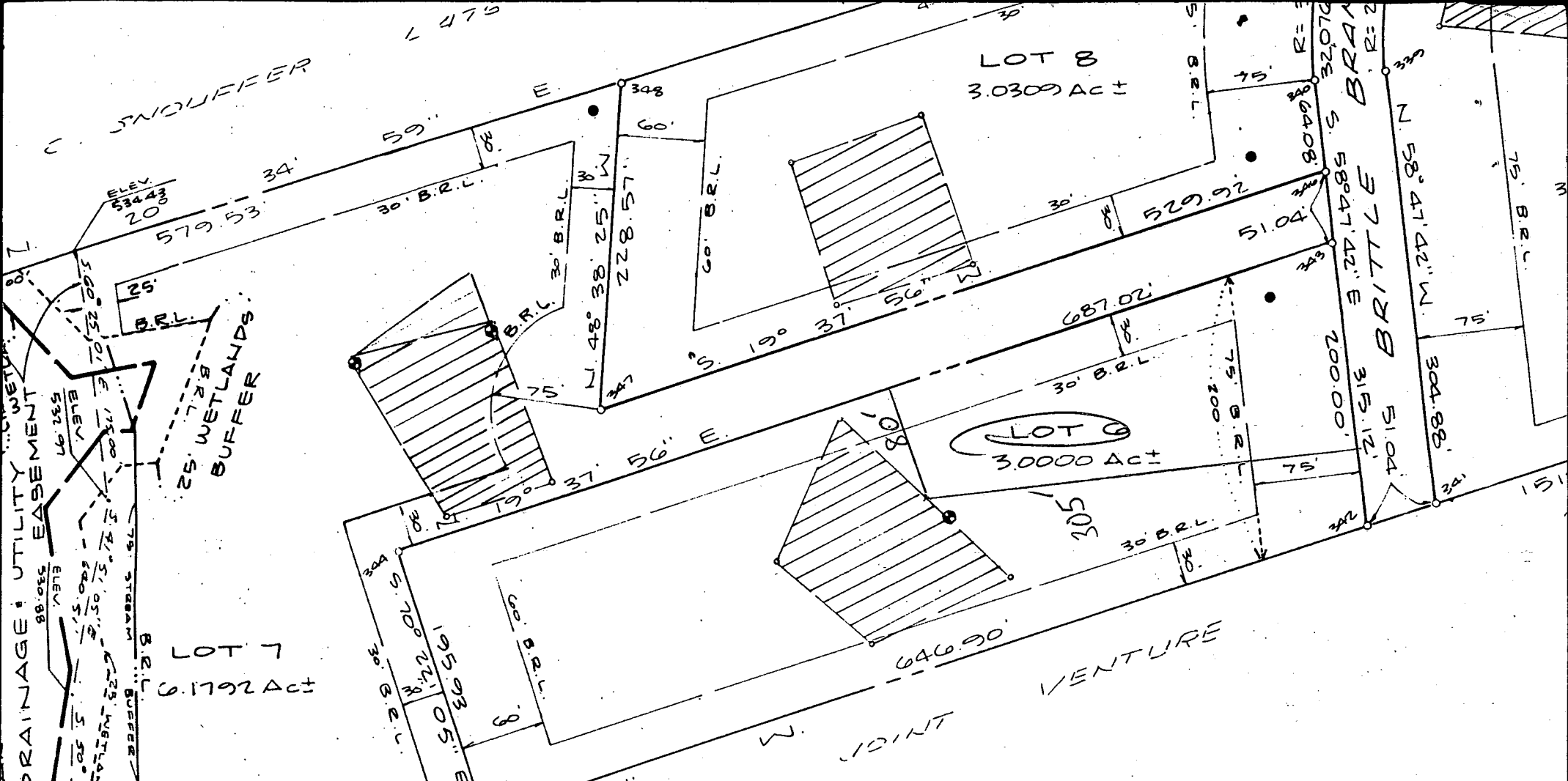
4140 RIDGE ROAD
 TAYLORSVILLE, MARYLAND

410-875-0722

21157

REFERENCE	JOB NO.
PLAT No 9449	965Y 0806

W77725



TOTAL TABULATION THIS SUBMISSION

TOTAL NO LOTS TO BE RECORDED 4

TOTAL AREA LOTS 662,551 \pm OR 15.2101 Act \pm

TOTAL AREA ROADWAY TO BE RECORDED 32,076 \pm OR 0.7364 Act \pm

TOTAL AREA SUBDIVISION 694,627 \pm OR 15.9465 Act \pm

CURVE DATA						
PT - PT	RADIUS	ARC	Δ	TAN	CHD.	CHD. BRG.
340 - 335	315.00	360.11	65° 30' 00"	202.61	340.81	N. 26° 02' 42" W.
337 - 339	265.00	302.95	65° 30' 00"	170.45	286.72	S. 26° 02' 42" E.

OWNERS DEDICATION

WE, FRALL DEVELOPERS, INC., A MARYLAND CORPORATION BY JAMES M. FREY,

PRIVATE WATER

I HE

C1 **1047** (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND
WELL COMPLETION REPORT

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 32088**

ST/CO USE ONLY
DATE RECEIVED
052389

DATE WELL COMPLETED
062890

Depth of Well
165
(TO NEAREST FOOT)

PERMIT NO.
FROM "PERMIT TO DRILL WELL"
HQ-88-0899

OWNER **FRALL DEVELOPERS**
last name **GRITHE BRANCH WAY** first name
STREET OR RFD **LISBON ESTATES** TOWN **LISBON**
SUBDIVISION **LISBON ESTATES** SECTION **6** LOT **6**

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	60	✓
Brown Slate	60	65	
Blue Slate	65	90	
Brown Slate	90	95	✓
Blue Slate	95	165	

GROUTING RECORD
WELL HAS BEEN GROUTED YES NO
(Circle Appropriate Box)
TYPE OF GROUTING MATERIAL
CEMENT BENTONITE CLAY
NO. OF BAGS **15** NO. OF POUNDS **1500**
GALLONS OF WATER **90**
DEPTH OF GROUT SEAL (to nearest foot)
from **0** ft. to **55** ft.

CASING RECORD
casing types insert appropriate code below
STEEL CONCRETE
PLASTIC OTHER
MAIN CASING TYPE **PL** Nominal diameter top (main) casing (nearest inch) **6** Total depth of main casing (nearest foot) **70**

OTHER CASING (if used)
diameter inch from to

SCREEN RECORD
screen type or open hole insert appropriate code below
STEEL BRASS OPEN HOLE
BRONZE PLASTIC OTHER

C2
DEPTH (nearest ft.)
EACH SCREEN
1 **HO** **48** **185**
2
3

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. **273**
DRILLERS SIGNATURE *Ruth Wagner*

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

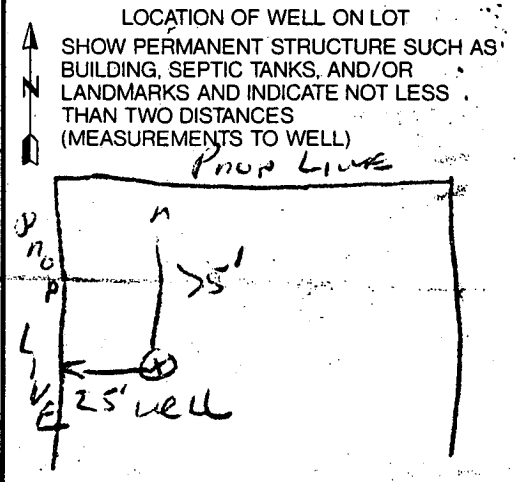
SLOT SIZE 1 2 3
DIAMETER OF SCREEN (NEAREST INCH) from to

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

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)
TELESCOPE CASING LOG INDICATOR OTHER DATA

C3
PUMPING TEST
HOURS PUMPED (nearest hour) **3**
PUMPING RATE (gal. per min. to nearest gal.) **19**
METHOD USED TO MEASURE PUMPING RATE **Bucket**
WATER LEVEL (distance from land surface) BEFORE PUMPING **42** WHEN PUMPING **45**
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) above below LAND SURFACE (nearest foot) **2**



DRILLER **County**

6/3/96

WPI

HOWARD COUNTY HEALTH DEPARTMENT
 Bureau of Environmental Health
 3525-H Ellicott Mills Drive
 Ellicott City, MD 21043
 461-9933

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

6/3/96
 No insp-
 Request
 for insp-
 came in
 at 3:00
 in the
 afternoon-
 I told them
 to cover it.
 AM

New Installation Replacement
 Name of Installer K.H. Plumbing Receipt # _____ Date _____
 License Number 8300 Telephone 410-857-0255
 Certified Well Pump Installer _____ Well Driller _____ Registered Plumber
 Name of Property Owner Horan Telephone _____
 Subdivision Lisbon Estates Lot # 10 Well Tag # _____
 Site Address 1642 Brittle branch way

Pump	Motor	Pitless Adapter
1. Type	1. Horsepower _____	1. Make _____
a. Deep well jet _____	2. RPM _____	2. Model # _____
b. Shallow well jet _____	3. Voltage _____	3. Depth _____
c. Submersible <input checked="" type="checkbox"/>	a. 110 _____	
2. Make _____	b. 220 _____	
3. Model # _____		
4. Capacity _____ GPM		
5. Pump exceeds well capacity Yes _____ No <input checked="" type="checkbox"/>		
6. If Yes, is low pressure cutoff switch installed? Yes <input checked="" type="checkbox"/> No _____		
7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors _____ Cable guards <input checked="" type="checkbox"/> Other _____		

Tank	Piping	Well data
1. Capacity _____	1. Type <u>160</u>	1. Depth <u>165</u> ft.
2. Pressure relief valve? <u>yes</u>	2. Size <u>1"</u>	2. Yield <u>15</u> GPM
	3. NSF and/or BOCA Code approved _____	3. Static water level _____ ft.
	4. Depth of supply line _____	4. Will water supply be disinfected by installer? _____

I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.
 Signature of Applicant: [Signature]
 Date: 5-10-96

Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.