

9/18/89

PERMIT

P 44917

SEWAGE DISPOSAL SYSTEM

A 33185

MARYLAND STATE DEPARTMENT OF HEALTH DISTRICT 1st

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

01-200968

DATE 8/31/89

DATE SYSTEM APPROVED 9/18/89

INDEXED

INSPECTOR RH

Jack Fyock

IS PERMITTED TO INSTALL ALTER

ADDRESS _____ PHONE 988-9270

SUBDIVISION Geelhaar ROAD 5295 Landing Road LOT _____

PROPERTY OWNER Geelhaar
ADDRESS 5295 Landing Road

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 - 200 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 3½ feet below original grade. Bottom maximum depth 7½ feet below original grade. Effective area begins at 3½ feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Place the distribution box at the highest point of the septic reserve area approximately 120 feet from the front (205') lot line and 140 feet from the left (733') lot line. *Run trenches along contour along the lowest part of the septic reserve area saving higher ground for future repair.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. *OKCW*

PLANS APPROVED BY C. Williams DATE 4/12/89

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

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 TRENCHES ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCHES

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 TWO YEARS

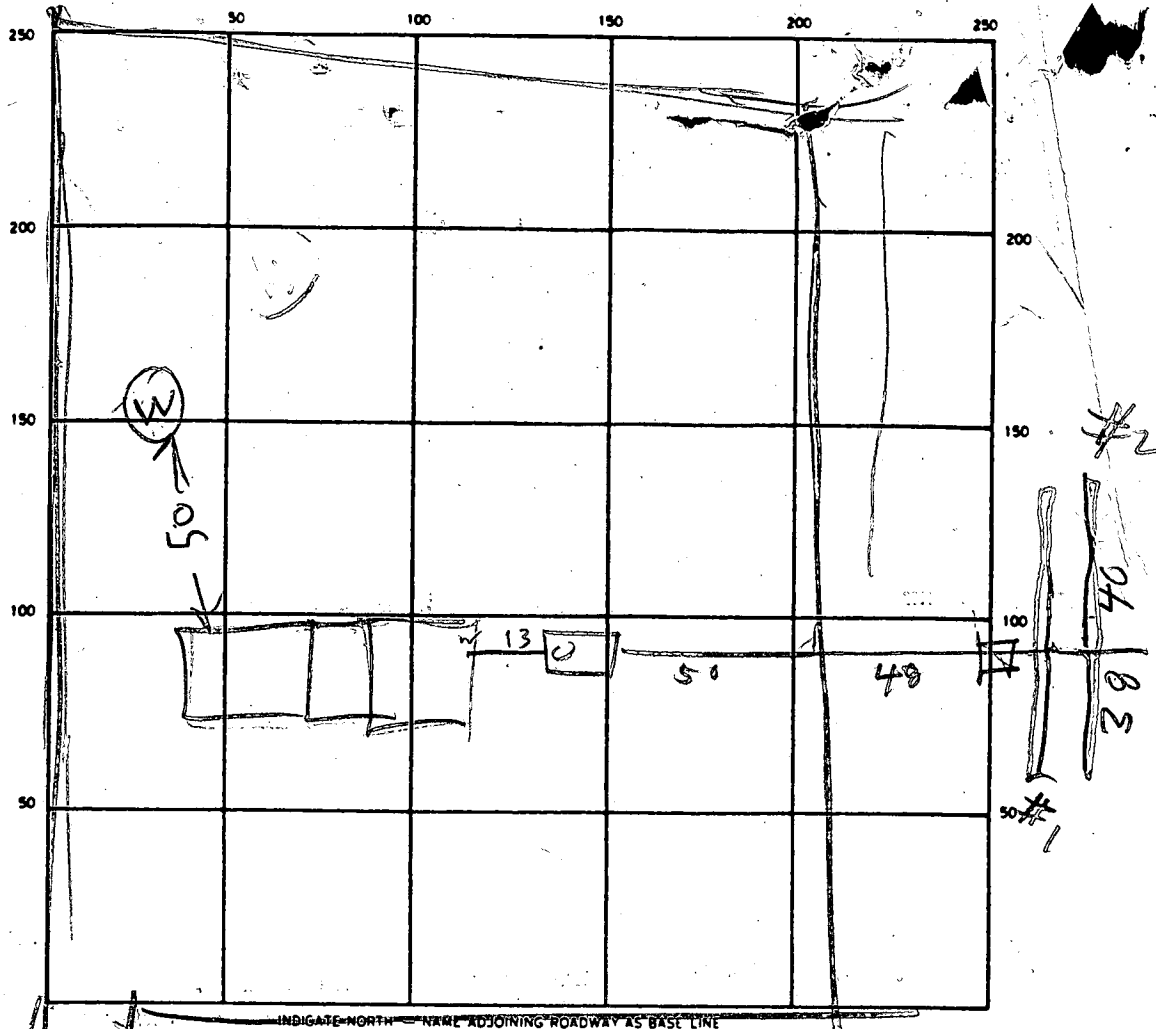
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

A 33185

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

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.



SEPTIC TANK. LEVEL OK 1000 CLEANOUTS ST OK

DISTRIBUTION BOX. LEVEL OK

DRAIN FIELD/TILE FIELD. DEPTH 7 1/2 / 7 1/2 TRENCH WIDTH 2 FT. INLET DEPTH 3 1/2 FT.

EFFECTIVE GRAVEL DEPTH 4 / 4 FT. TOTAL LENGTH 70 / 50 FT

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA _____ SQ. FT.

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

ABSORBENT AREA _____ SQ. FT.

REMARKS 189 - TRENCH OK TRENCH PUT ON ADJACENT LOT & RETRIVABLE EASEMENT USED PER CRAIG. FINISH TRENCH #2 & COVER AFTER TRENCH FINISHED. LENGTH WILL BE 150 FT

DATE SYSTEM APPROVED 9/18/89

INSPECTOR Raymond Hodges

4-6-84

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 33185
P _____

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

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 GEELHAR

ADDRESS LANDING ROAD PHONE 796-8972

PROPERTY LOCATION:

SUBDIVISION GEELHAR PROP LOT NO. _____

ROAD AND DESCRIPTION ⁵²⁹⁵ LANDING ROAD

TAX MAP 31 PARCEL 619

SIZE OF LOT 1 ACRE TYPE BLDG. SFD
(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.

(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS Craig Wilton DATE 4-6-84

REASONS FOR REJECTION OR HOLDING _____

SUBDIVISION PLAT w/ CERTIFIED LOCATIONS REQUIRED C.W.

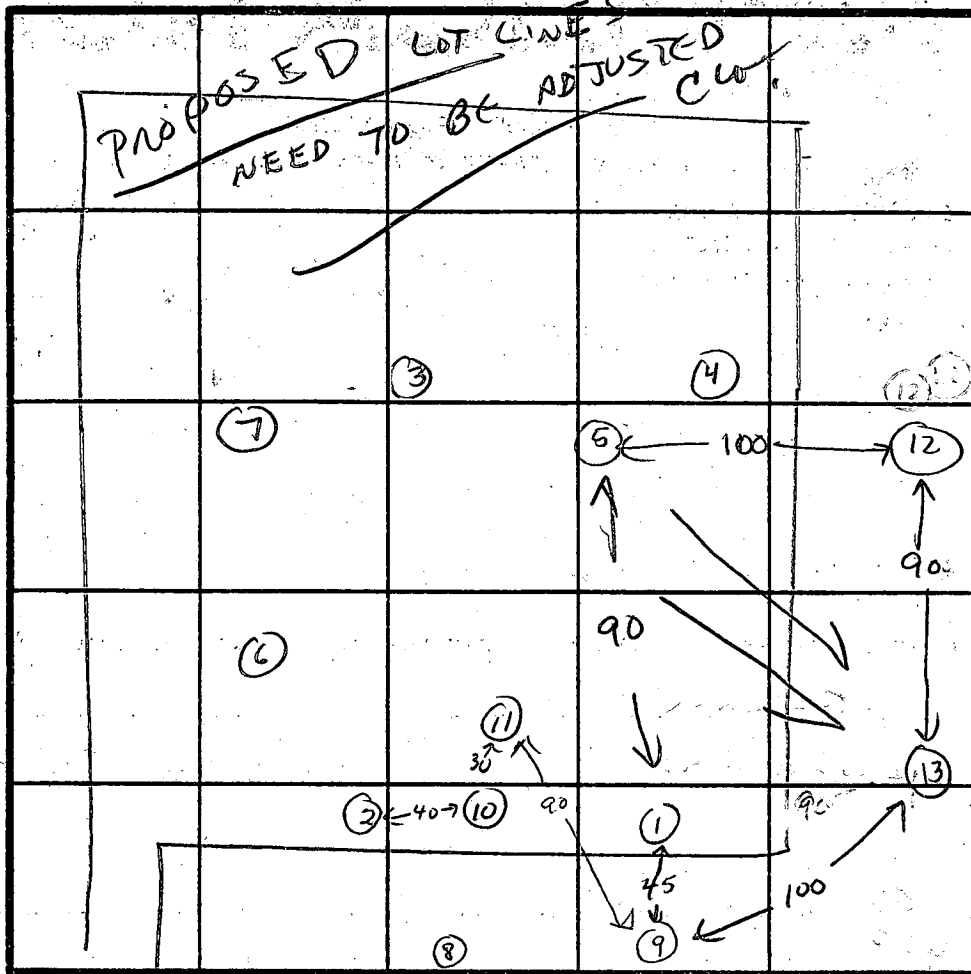
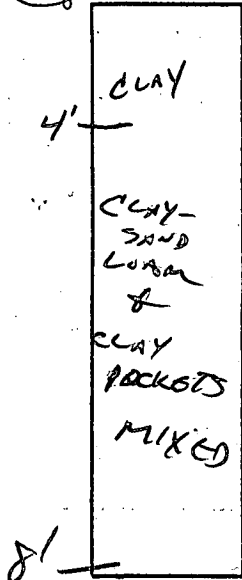
BUDG. PERMIT SIGNED

AND RETURNED 5-31-84

BP 25976 SA

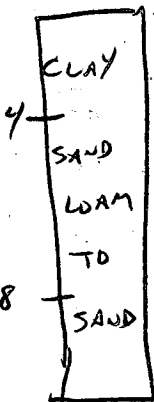
THIS IS NOT A PERMIT

10 & 11 FAILED SOIL PROFILE



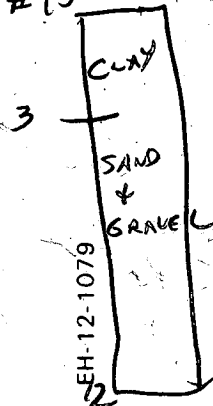
INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

12



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
1983	1-9	TESTED 1983	BY R.H.					
		HOLES	11, 3, 5, 9 ACCEPTABLE					
4-5-84	10	4 8	CLAY - POCKETS	10:05 10:15	BOTTLE PERC LAYERS OF CLAY & SAND		X	
		12	8' CLAY.	TOO HARD TO DIG W/S HOEL			X	
4-5-84	11	4 8	CLAY -	10:35	SOME TRAPPED SURFACE WATER NO PERC		X	
		12						
4-5-84	12	4 8	CLAY	10:42 10:45	10:45	10:50	5 2 ✓	
		12	4' CLAY THEN RED SAND LOAM TO ALL SAND					
4-5-84	13	4 8	UNSTABLE SAND	UNSAFE TO TEST			✓	
		12	3' CLAY THEN SAND-GRAVEL MIX					

13



REMARKS USE # 5 AS HIGH HOLE CONNECT 5-12-13-9-1-5

TYPE OF SOIL CLAY CHANGING TO SAND - TRENCH SYSTEM PREFERABLE

TESTED BY C. Williams

ALSO PRESENT CARTER, MELLEMA

EH-12-1079

10/13/83
Cancelled
10/20/83 cancelled 10/31/83
9:30 A.M.
10/25/83
11/30/83
9:30 A.M.
10/29/83
9:30 A.M.

APPLICATION

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: 992-2330

A 33185

P _____

DISTRICT 1st

DATE 9-30-83

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 GEE L HAAR

ADDRESS _____ PHONE 796-8972

PROPERTY LOCATION:

SUBDIVISION GEE L HAAR PROPERTY LOT NO. _____

ROAD AND DESCRIPTION LANDING ROAD

TAX MAP 31 PARCEL 619

SIZE OF LOT 1.05 AC. TYPE BLDG. SFD
(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.

John Rice (AGENT FOR JOHN C. MCELLEN)
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

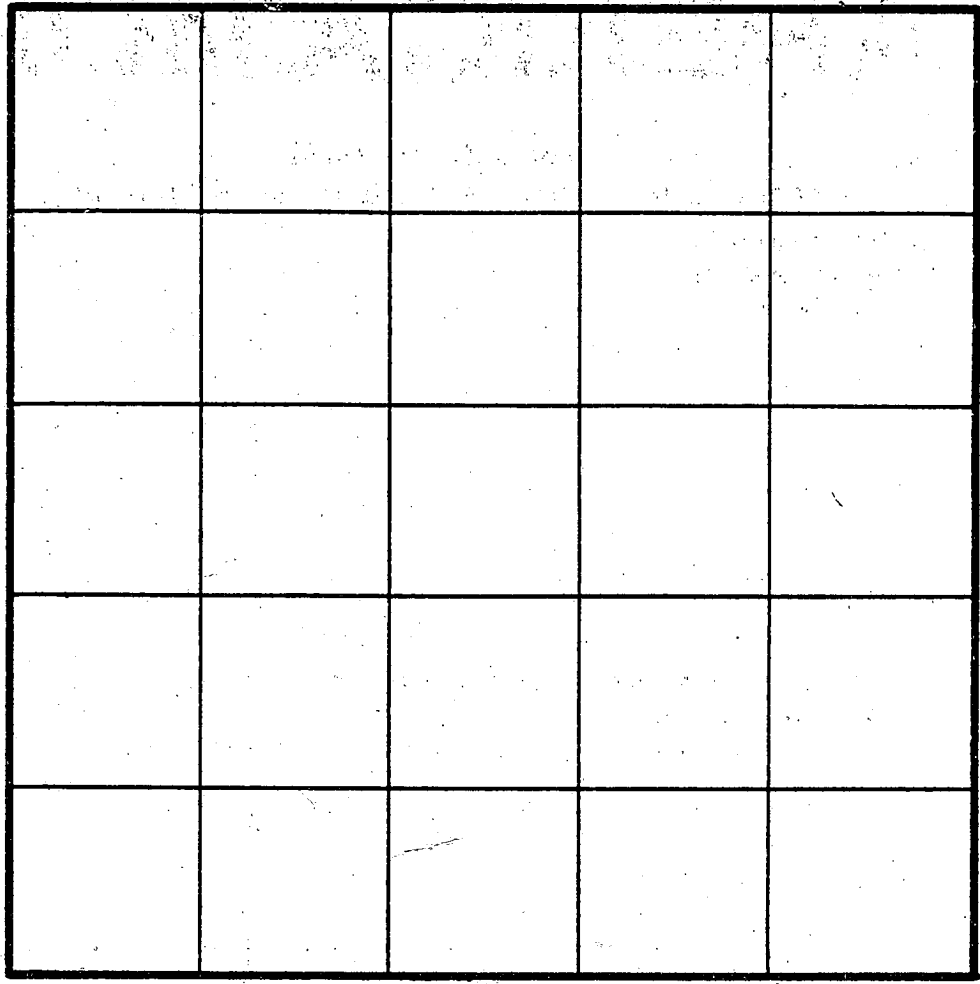
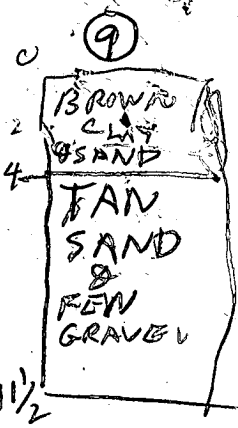
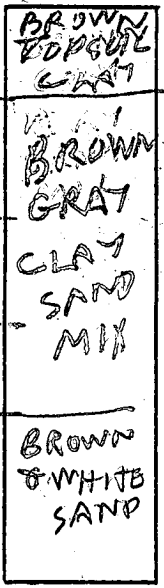
HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 10/31/83 DIG MORE SLOW PERC R.H. 11/30/83

DIG MORE SLOW PERC R.H.

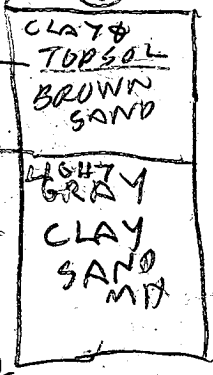
THIS IS NOT A PERMIT

5
SOIL PROFILE

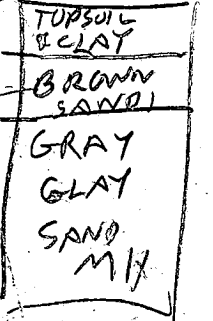


INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

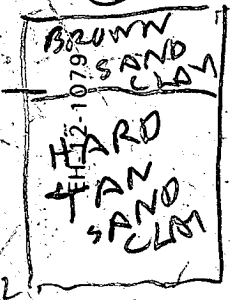
6



7



8



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11/30/83	5M	6	1052	1120	1120	1202	4 min
	7D	8	1208	1230	1230	101	little per FAT
	7S	4	1211	1217	1217	1233	16
	7V	12	LOOKS	DOUBT	FULL		
	8D	8 1/2	300	338	338	308	4
	8S	3 1/2	301	304	304	308	4
	8V	12	LOOKS	DOUBT	FULL		
	9D	8 1/2	334	336	336	340	4
	9S	4 1/2	342	349	349	357	8
	9V	11 1/2	LOOKS	OK			

REMARKS _____

TYPE OF SOIL _____

TESTED BY _____

BAUCHE WHIT WORTH
ENGINEER RICE
ALSO PRESENT

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 33185

P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

DISTRICT 1st

DATE 9-30-83

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 G...

ADDRESS _____ PHONE 771-5172

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. _____

ROAD AND DESCRIPTION _____

SIZE OF LOT _____ TYPE BLDG. _____ (NUMBER OF BEDROOMS)

1.05 AC.
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.

John H. ...
(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

13-56

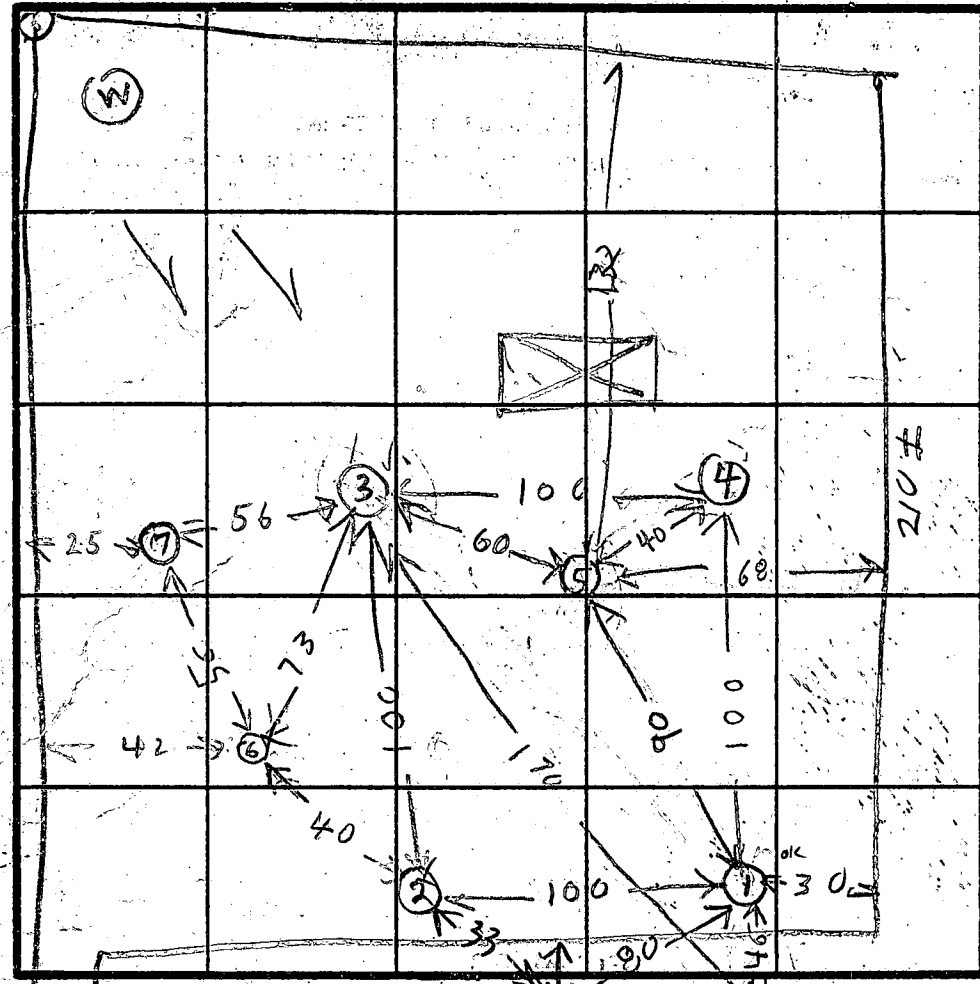
SOIL PROFILE

①
SAND CLAY
3 1/2
TAN SAND & FEW ROCKS

②
BROWN CLAY SAND
HARD TAN CLAY SAND

③
GRAY BROWN CLAY
BEDDING BROWN SAND
WHITEISH BROWN SAND CLAY

④
BROWN SAND CLAY
TAN SAND CLAY



HOLE ELEVATION
③ HIGHEST
⑦
① LOWEST
② ④ MEDIUM
⑧ ⑤
⑨ LOWEST

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/31/83	1 S OK	5	1036	1038	1038	1044	6
	1 D	8	1036	1038	1038	1044	6
	1 V	12	LOOKS	OK			
	2 D	8	1104	1140	little perc		
	2 S	4 1/2	1109	1015	1115	1130	15
	3 S	3 1/2	1123	1124	1124	1126	2
	3 D OK	8	1124	1133	1133	1144	11
	4 D	9	1142	1210	1210	1245	little perc
	4 S	3 1/2	1159	1220	1220	1250	little perc
	2 V OK	12	LOOKS	OK			
11/30/83	5 D	8	1003	1013	1013	1032	19
	5 S	3 1/2	1006	1042	little perc		
	5 V OK	16	LOOKS OK	BELOW 7 FT			
	6 S	3 1/2	1052	1100	1100	1111	11
	6 D	8 1/2	1116	1227	1227	1244	FAIL
	6 V	12	LOOKS	DOUBTFUL			

REMARKS SEPTIC SYSTEM FOR EXISTING HOUSE OK & WATER WELL NOT NEAR

TYPE OF SOIL NEW LOT JOHN RICE (MILLER & CO)

TESTED BY B HODGES ALSO PRESENT J. BRITTING HAM BACKING GELL HAR OWNER

11/10/89
11/2/89

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

New Installation X Replacement _____
Name of Installer Bride Plumbing-Heating Inc. License Number 3486
Certified Well Pump Installer _____ Well Driller _____ Registered Plumber X
Name of Property Owner Robt & Terry Geelhaar Telephone 796 8972
Subdivision Geelhaar Property Lot # 2 Well Tag # HO - 88 - 0596
Site Address 5295 Landing Rd

Receipt # 44928
Date 09/05/89
Telephone 875 2206

Pump
1. Type
a. Deep well jet _____
b. Shallow well jet _____
c. Submersible X
2. Make _____
3. Model # Meyers
4. Capacity 11 GPM
5. Pump exceeds well capacity Yes _____ No X
6. If Yes, is low pressure cutoff switch installed? Yes _____ No _____
7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors _____ Cable guards _____ Other _____

Motor
1. Horsepower 3/4
2. RPM _____
3. Voltage _____
a. 110 _____
b. 220 X

Pitless Adapter
1. Make _____
2. Model # _____
3. Depth _____

Tank
1. Capacity 4x 203
2. Pressure relief valve? yes

Piping
1. Type _____
2. Size _____
3. NSF and/or BOCA Code approved _____
4. Depth of supply line _____

Well data
1. Depth 278 ft.
2. Yield 12 GPM
3. Static water level 60 ft.
4. Will water supply be disinfected by installer? yes

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.

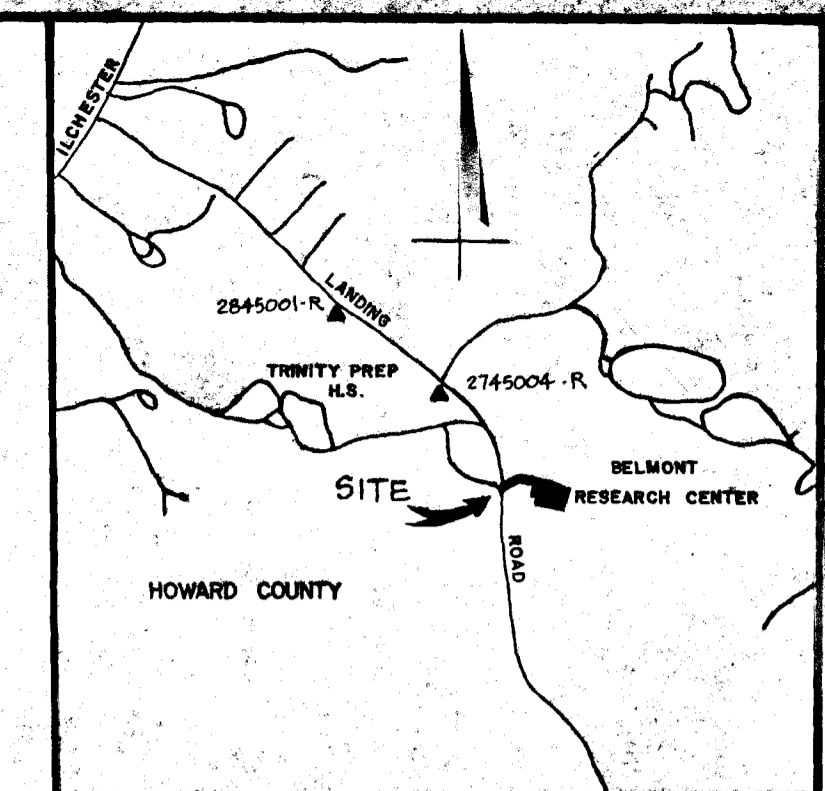
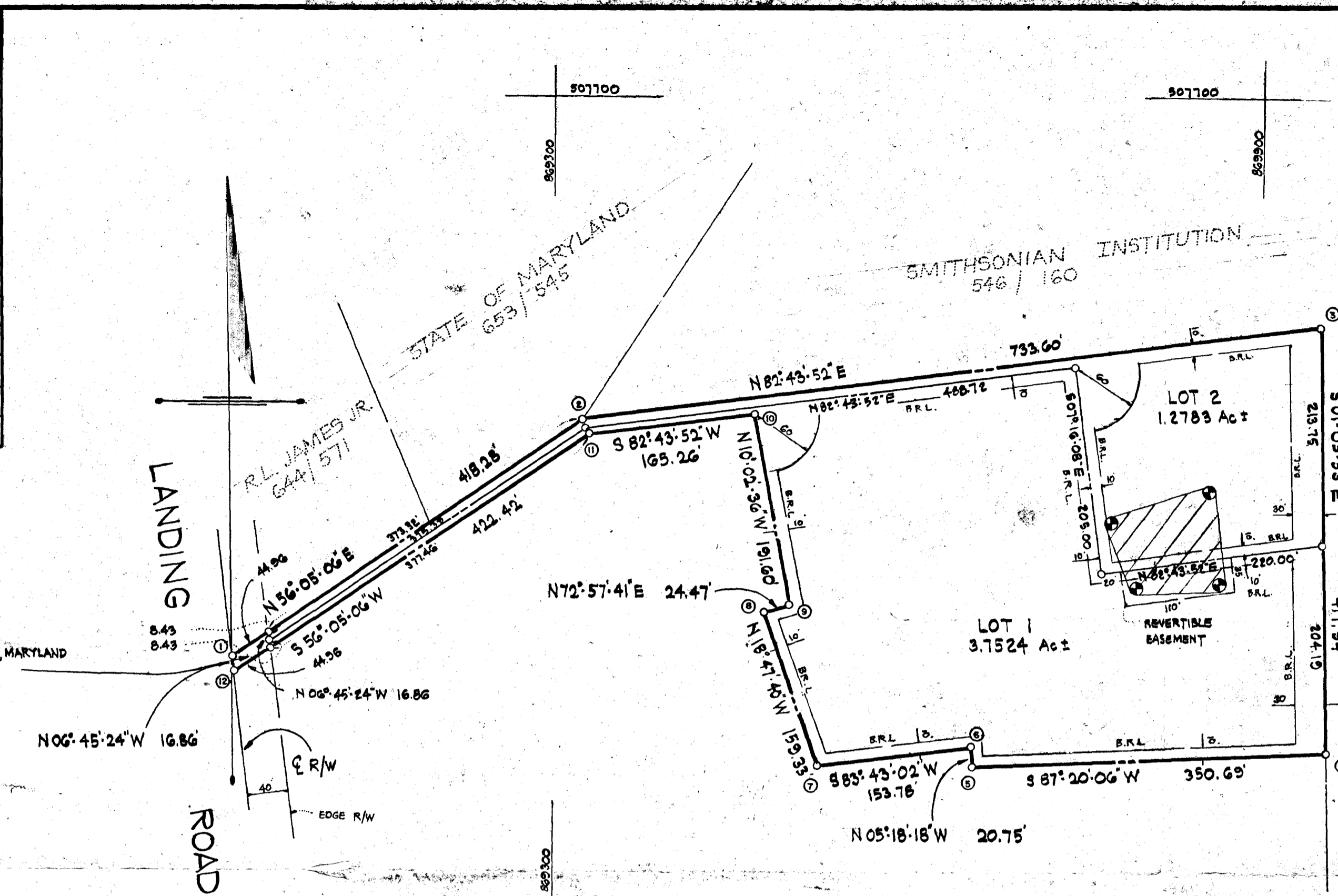
Signature of Applicant: Carell Baverlein
Date: Sept 1, 1989

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

11/2/89 - DK WELL PUMP INSPECTION
HD-215
RHODGES

Coordinates		
NO.	NORTH	EAST
1	507146.4874	868982.7241
2	507378.8708	869329.8378
3	507472.6915	870057.3431
4	507054.8216	870065.3100
5	507038.5154	869714.9993
6	507059.1765	869713.0808
7	507039.0821	869580.5414
8	507180.5166	869509.2092
9	507197.6868	869532.6082
10	507386.3807	869499.1912
11	507365.4408	869335.2594
12	507129.7458	868964.7076

Maryland State Grid System



Vicinity Map
Scale: 1" = 2000'

NOTES

- 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.
- Subject property zoned R-20 per 10/3/77 Comprehensive Zoning Plan.
- Tax map 31, parcel G19
- Existing structures on lot 1
- B.R.L. denotes building restriction line
- REQUESTED WAIVER V.P. 83-84
- FLAG OR PIPESTEM LOTS SHALL NOT BE SUBDIVIDED INTO LOTS ACCOMMODATING ADDITIONAL RESIDENCES UNLESS A PUBLIC ROAD CAN BE CONSTRUCTED ACCORDING TO COUNTY STANDARDS ON A MINIMUM FIFTY (50) FOOT RIGHT OF WAY TO BE DEEDED TO THE COUNTY.
- NO STRUCTURES ARE TO BE CONSTRUCTED ON LOT 1 AT A DISTANCE LESS THAN THE ZONING REGULATIONS ALLOW.
- FOR FLAG OR PIPESTEM LOTS, REFUSE COLLECTION, SNOW REMOVAL AND ROAD MAINTENANCE ARE PROVIDED TO THE JUNCTION OF THE FLAG OR PIPESTEM AND THE ROAD RIGHT OF WAY LINE ONLY AND NOT ONTO THE FLAG OR PIPESTEM LOT DRIVEWAY.
- BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON HOWARD COUNTY GEODETIC CONTROL SURVEY STATIONS NO. 2745004 R AND NO. 2845001 R.

LAND TABULATION

Total number of lots and/or parcels to be recorded	2
Total area of lots and/or parcels	5.0307
Total area of roadways to be recorded including widening strips	0.0153
Total area of subdivision to be recorded	5.0462

LEGAL PROPERTY
PLAT NO. 4857

Owner
Harry F. Geelhaar Jr.
5301 Landing Road
Howard County, Md. 21227

RECORDED PLAT 5941
ON 9-14-84 AMONG THE LAND RECORDS OF
HOWARD COUNTY, MD.

Approved: For Private Water and Private Sewage System
Health Department of Howard County
John F. Adams 9-6-84
County Health Officer Date

Approved: Howard County office of Planning and Zoning
Thomas L. Hamrick 9-12-84
Director Date

Approved: STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
John F. Hamrick 9-11-84
Director Date

Surveyors Certificate
I hereby certify that the final plat shown hereon is correct; that it is a subdivision of all of the lands conveyed by Casimir C. Legal Jr and Ruth E. Legal, his wife, to Harry F. Geelhaar Jr. and Mary J. Geelhaar, his wife, by deed dated the 7th day of June, 1973, and recorded in the land records of Howard County in Liber 699, at folio 328 and that all monuments are in place, or will be in place prior to the acceptance of the streets in the subdivision by Howard County as shown in accordance with the annotated code of Maryland, as amended.

John C. Mellema Sr. 9-29-83
John C. Mellema Sr., Md. Reg. No. 107 Date

Owners Certificate
We, Harry F. Geelhaar and Mary J. Geelhaar, owners of the property shown and described hereon, hereby adopt this plan of subdivision, and in consideration of the approval of this final plat by the office of planning and zoning, establish the minimum building restriction lines and grant unto Howard County, Maryland, its successors and assigns, (1) The right to lay, construct, and maintain sewers, drains, water pipes, and other municipal utilities and services, in and under all roads, and street right-of-ways and the specific easement areas shown hereon; (2) The right to require dedication for public use the beds of the streets and/or roads, and floodplains and open space where applicable and for good and other valuable consideration, hereby grant the option to Howard County to acquire the fee simple title to the beds of the streets and/or roads, and floodplains, storm drainage facilities and open space where applicable; and (3) The right to require dedication of waterways and drainage easements for the specific purpose of their construction, repair and maintenance; and (4) That no building or similar structure of any kind shall be erected on or over the said easements and right-of-ways.

Witness our hands this 21 day of June, 1984
Harry F. Geelhaar Owner 6/21/84
Mary J. Geelhaar Owner 6/21/84
Edward P. [Signature] Witness 6/21/84

FINAL SUBDIVISION PLAN OF
"GEELHAAR PROPERTY"

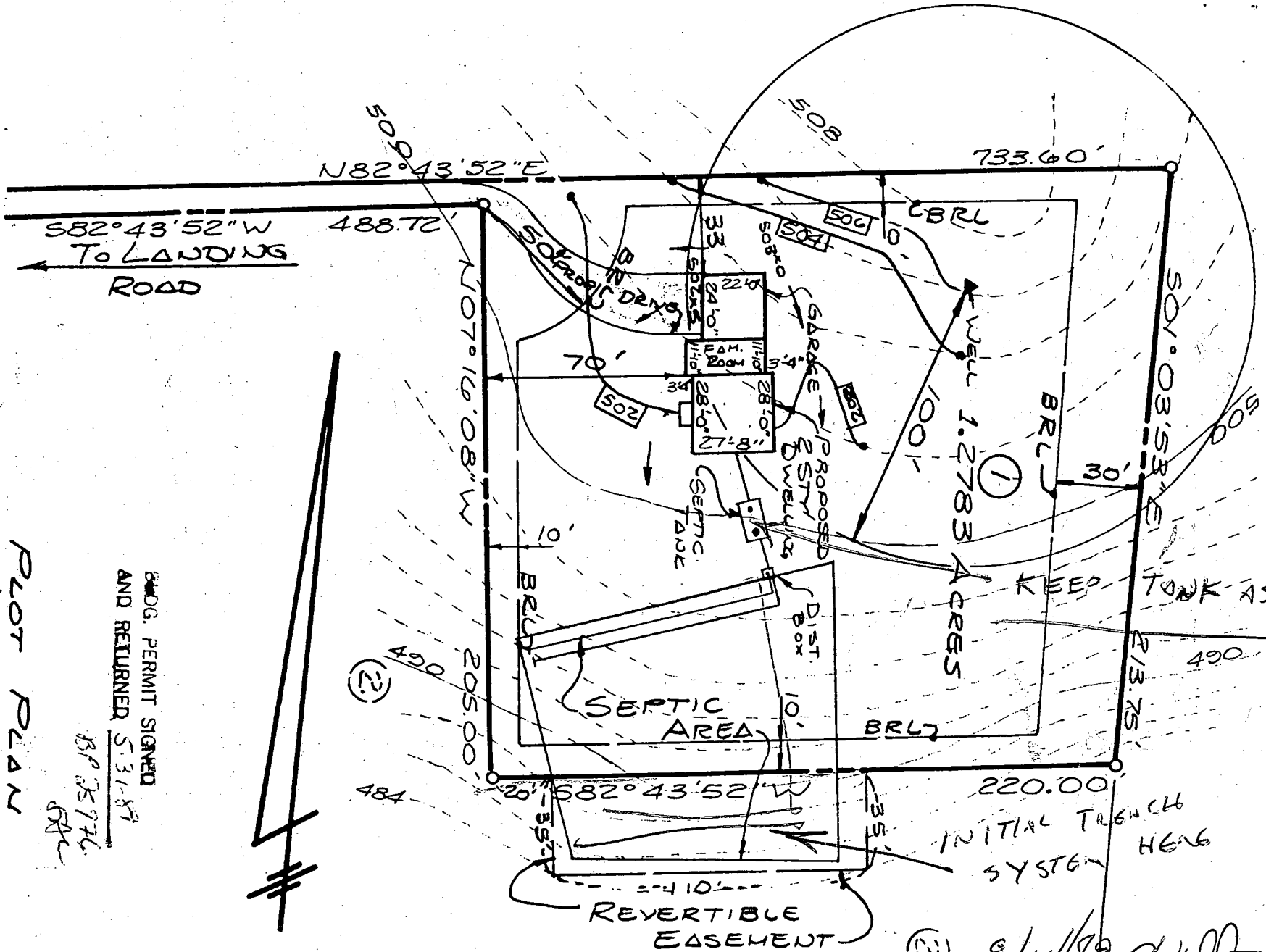
1st Election District
Howard County, Maryland
JUNE 23, 1984

Scale: 1" = 100'

JOHN C. MELLEMA SR., INC.
LAND SURVEYORS
6100 BALTIMORE NATIONAL PIKE - BALTIMORE, MD. 21228
301-744-8880

BPR INC.

359 MANCHESTER ROAD
WESTMINSTER, MARYLAND 21157
301-876-0333, 857-9030



(2) 9/14/89 [Signature]

BLDG. PERMIT SIGNED
AND RETURNED 5.31.87

BP 35974
[Signature]

LOT PLAN
LOT 2

GEELHAAR PROPERTY

REC. IN PLOT No. CMP 5341



C1 2395 SEQUENCE NO. (DENV USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND
 WELL COMPLETION REPORT
 FILE IN THIS FORM COMPLETELY
 PLEASE PRINT OR TYPE

PERMIT MUST BE SUBMITTED WITHIN
 45 DAYS AFTER WELL IS COMPLETED.
 COUNTY NUMBER A = 33185

DATE Received [] [] [] [] [] [] DATE WELL COMPLETED 05 20 89 Depth of Well 278 (TO NEAREST FOOT) PERMIT NO. H0-88-0596

OWNER GEELHORN ROBERT T. first name last name
 STREET OR RD. 5275 LINDING ROAD TOWN NEAR E.C.
 SUBDIVISION GEELHORN PROPERTY SECTION LOT 2

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	
Dirt	0	1	
Brown Clay & Sand	1	13	
Soft Brown Sand & Mica	13	30	X
Soft Brown Sand	30	70	
Soft Brown Sandstone	70	102	
Hard Brown & Blue Sandstone	102	108	
Hard Black Sandstone	108	120	
Hard Brown & Blue Sandstone	120	131	X
Hard Black Sandstone	131	170	
Brown Sandstone	170	175	X
Hard Black, Blue & Brown Sandstone	175	225	
Brown Sandstone & Opening	225	228	X
Black, Blue & Brown Sandstone	228	278	

GRouting RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate 'Box')
 TYPE OF GROUTING MATERIAL
 CEMENT CM BENTONITE CLAY BC
 NO. OF BAGS 50 NO. OF POUNDS 4700
 GALLONS OF WATER 300
 DEPTH OF GROUT SEAL (to nearest foot)
 from 0 ft. to 110 ft.
 (enter 0 if from surface)

CASING RECORD
 casing types insert appropriate code below
 ST CO STEEL CONCRETE
 PL OT PLASTIC OTHER
 MAIN Nominal diameter Total depth
 CASING top (main) casing of main casing
 TYPE (nearest inch) (nearest foot)
 ST 6 112

OTHER CASING (if used)
 diameter depth (feet)
 inch from to
 PL 4 0 150
 PL 4 160 200
 PL 4 228 380

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

DEPTH (nearest ft.)
 EACH SCREEN
 1 PL 150 160
 2 PL 200 220
 3 PL 260 280
 SLOT SIZE 020
 DIAMETER OF SCREEN (NEAREST INCH)
 from 78 to 210

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

DRILLERS IDENT. NO. 296
 Ronald L. Kyker

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

GRAVEL PACK from 78 to 210
 IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST
 HOURS PUMPED (nearest hour) 3
 PUMPING RATE (gal. per min. to nearest gal.) 12
 METHOD USED TO MEASURE PUMPING RATE Submersible
 WATER LEVEL (distance from land surface)
 BEFORE PUMPING 63
 WHEN PUMPING 135
 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)
 LAND SURFACE (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)

Handwritten: Trenches, Landmark, 105

B 1 2193

SEQUENCE NO. (DP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HO-88-0596

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

please print or type

fill in this form completely

Date Received (APA)

042189

OWNER INFORMATION

GEELHAAR ROBERT T

1228 BREWSTER STREET

BALTIMORE MD 21227

B 3

LOCATION OF WELL

HOWARD

GEELHAAR PROPERTY

SECTION LOT 2

ELLICOTT CITY

MILES FROM TOWN (enter 0 if in town) 5 MI

DRILLER INFORMATION

Ronald L. Kyker

296

Driller's Name

77 License No. 80

Westminster Rotary Well Drilling, Inc.

Firm Name

P. O. Box #861., Westm. Md. 21157

Address

Ronald L. Kyker 4/10/89

Signature

Date

B 2

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5

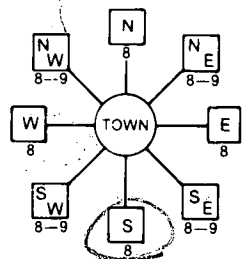
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 550

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)

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



5295 LANDING NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



DISTANCE FROM ROAD 850

ENTER FT or MI FT

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD COUNTY NAME

A# 33185 COUNTY NO.

STATE SIGNATURE

DATE ISSUED

050989 x C. William / COO 10/09/89

NORTH GRID 510000

EAST GRID 0867000

APPROXIMATE DEPTH OF WELL 300 FEET

APPROXIMATE DIAMETER OF WELL 6" NEAREST INCH

METHOD OF DRILLING (circle one)

- BORED (or Augered) JETTED Jetted & DRIVEN
AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)
CABLE REVERSE-ROTARY Drive-POINT

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 DEEPEM AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

Not to be filled in by driller (OEP USE ONLY)

APPROP. PERMIT NUMBER GAP

FORCE C N PERMIT No. HO-88-0596

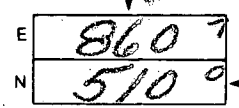
SPECIAL CONDITIONS H-796-8972

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

- 1. CITY
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE



DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION

