

File

7/5/89

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

05-380243

INDEXED

P 44490

A 277245

DISTRICT 5th

DATE 4/13/89

DATE SYSTEM APPROVED 7/03/89

INSPECTOR C.B.A.

Greg Ziska at site 7/3/89 IS PERMITTED TO INSTALL ALTER

ADDRESS _____ PHONE 1-301-964-2023

SUBDIVISION Greenhill Manor ROAD 135⁰³ Villa D'est Dr. LOT 8

PROPERTY OWNER Kerwin Miller *Jim Kerwin 7/03/89 at site*

ADDRESS _____ *C.B.A.*

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

GARBAGE GRINDER? YES NO

SEPTIC TANK CAPACITY 2000 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 244 sq. ft. per bedroom with garbage disposal. Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 3 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION- [redacted] Beginning from the front left corner off the right-of-way, place the first trench 370 feet down the left lot line and 120 feet off the same lot line as seen when facing the lot from Right-of-way. Run the trenches on contour toward the right side of lot.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. *4cw*

PLANS APPROVED BY Sid Abel DATE 5/10/88

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 TRENCH(IES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(IES)

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

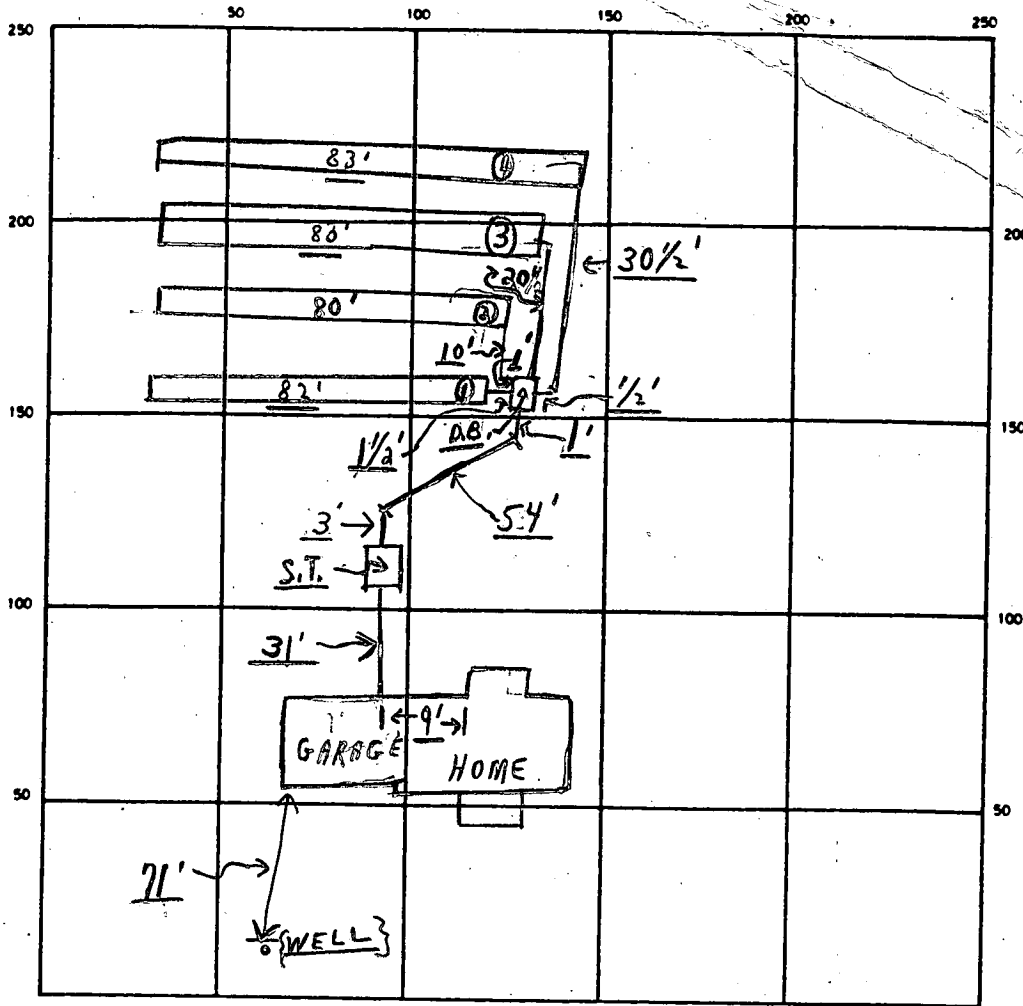
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

***CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.**

A 277245



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

S.T.

SEPTIC TANK. LEVEL OK CLEANOUTS OK

DISTRIBUTION BOX. LEVEL OK (Baffles in)

DRAIN FIELD/TILE FIELD. DEPTH 5' concrete TRENCH WIDTH 3 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 2 average FT. TOTAL LENGTH 328 FT

NUMBER OF TRENCHES 4 ONE 984 SQ. FT. BOTTOM AREA

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

ABSORBENT AREA 984 SQ. FT.

REMARKS 7/03/89 OK TO COVER ALL WORK - FINAL.

DATE SYSTEM APPROVED 7/03/89 INSPECTOR Charles, Bryan, Straker

GREEN HILL MANOR SECTION 5

A 27725

SUBDIVISION:

VILLA D'EST DR

LOT NUMBER:

8

DRY WELL OR DRY WELL AND TRENCH

_____ sq. ft./bedroom

	<u>Septic Tank</u>	<u>Minimum Total Square Feet</u>
3 bedroom	1000 gallon	_____
4 bedroom	1250 gallon	_____
5 bedroom	1500 gallon	_____

Inlet _____ feet below original grade.

Bottom maximum depth _____ feet below original grade.

Effective area begins at _____ feet below original grade.

NOTE: If trench is used to make up absorbent area, run the trench on level ground and leave a 5-foot earth buffer between dry well and trench. No trench is to exceed 100 feet in length. Trench inlet to be same as dry well, with _____ feet of stone below distribution pipe.

TRENCHES

200 sq. ft./bedroom

244 sq. ft./bedroom with G.D.

Trench to be 3 wide.

Inlet 3 feet below original grade.

Bottom maximum depth 5 feet below original grade.

Effective area begins at 3 feet below original grade.

2 feet of stone below distribution pipe.

- NOTE:
- (1) No trench to exceed 100 feet in length.
 - (2) If more than one trench used, a distribution box is required.
 - (3) Trenches to be installed on level ground.
 - (4) Call for inspection of trench before gravel is installed.
 - (5) Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank and drywell.
 - (6) If a garbage disposal is used, increase septic tank capacity by 50% and increase absorbent sidewall area by 22%.

LOCATION: (MOVE WELL TOWARD FRONT OF LOT RE: SEPTIC LOT 9)

BEGINNING FROM THE FRONT LEFT CORNER OFF THE RIGHT OF WAY

PLACE THE FIRST TRENCH 370 FT DOWN THE LEFT LOT LINE

AND 120 FT OFF THE SAME LOT LINE AS SEEN WHEN FACING

THE LOT FROM THE RIGHT OF WAY. RUN THE TRENCHES ON

CONTOUR TOWARD THE RIGHT SIDE OF LOT. 5-10-88 JAW

SEPTIC TANKS: 3 BEDROOM, 1000 GALLON GREEN HILL MANOR
4 BEDROOM, 1250 GALLON ^{NEW} LOT 8 SECT 5

DRY WELL TO HAVE 120 SQUARE FEET OF SIDEWALL AREA PER BEDROOM

DRY WELL INLET TO BE MAX. 3 FEET BELOW ORIGINAL GRADE.

DRY WELL BOTTOM (MAXIMUM DEPTH) TO BE 12 FEET BELOW ORIGINAL GRADE.

PLACE THE DRY WELL 162 FEET FROM THE ~~LOT LINE AND~~ FEET FROM THE
~~LOT LINE AS SEEN WHEN FACING THE LOT FROM~~ ROAD.

POINT WHERE THE 310.58 LONG LOT
LINE & THE 271.67 FT LONG LOT
LINE INTERSECT AND 50 FT
FROM THE 310.58 FT LOT LINE

PRELIMINARY

APPLICATION

A 27725

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 5th

DATE 3/30/78

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 ~~V. L. Vinella~~ Kerwin Miller

ADDRESS 12631 Circle Drive, Rockville, Md. 20850 PHONE Boender n 465-7777

PROPERTY LOCATION:

SUBDIVISION Green Hill Manor LOT NO. 8, Sec. 5

ROAD AND DESCRIPTION 13803 off Villa D'Est Drive

SIZE OF LOT ? TYPE BLDG. 3 or 4 bedrooms
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/ Dennis Rush

APPROVED BY Srd Alwl FOR Shallow trenches DATE 5-10-88
(KIND OF SYSTEM)

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

HOLD PENDING FURTHER TESTS _____ DATE _____

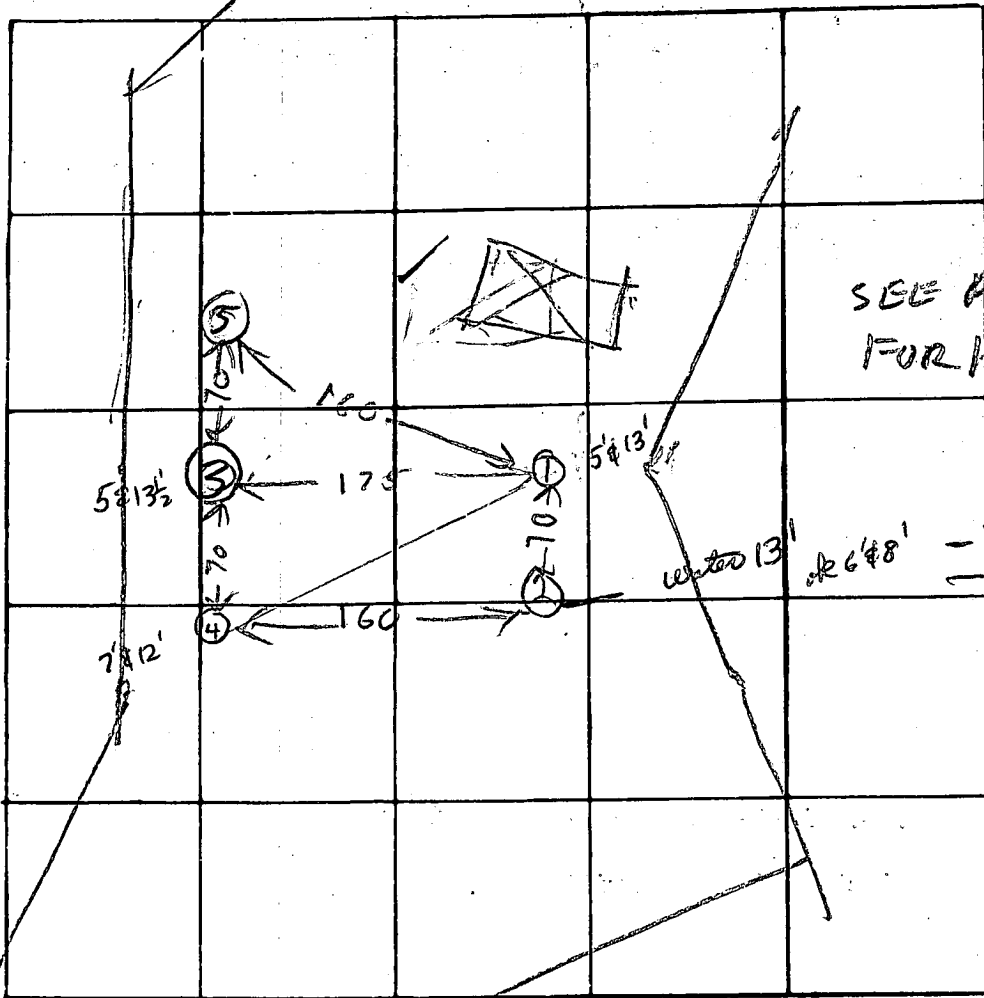
REASONS FOR REJECTION OR HOLDING _____

BLDG. PERMIT SIGNED
AND RETURNED 5-10-88

BP 18369
SK

THIS IS NOT A PERMIT

lot #8



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
4/7/78	1D	13	1020	1021	1021	1027	6	
	1S	5	1020	1036	1036	1055	19	
	2S	6	1022	1030	1030	1038	8	
	2V	13	UNDERGROUND WATER				13 FT	
	3D	13 1/2	1042	1047	1047	1053	6	
	3S	5	1044	1057	1057	1118	20	
	4S	7	1100	1118	1118	1136	18	
	4D	12	1100	1115	1115	1139	24	
	2M	8	1102	1104	1104	1106	2	
4/7/78	5V	12	ALL SANDY					

TOP 4 FT CLAY

average
16 min
max.
Depth
4 ft

REMARKS

TYPE OF SOIL

TESTED BY

R. HODGES

ALSO PRESENT:

VINCELLA KETTERMAN

6-15-89
AM

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 Replacement _____
Receipt # 41753
Date 5/17/89
Name of Installer RA Kelly Telephone 924-5944
License Number _____
Certified Well Pump Installer _____ Well Driller _____ Registered Plumber
Name of Property Owner Kerwin-Miller Comm Telephone 924-5944
Subdivision Green Hill Manor Lot # 8 Well Tag # 110-91-2579
Site Address 13503 Villadest Dr Highland Md 20777

Pump
1. Type
a. Deep well jet _____
b. Shallow well jet _____
c. Submersible _____
2. Make _____
3. Model # _____
4. Capacity _____ GPM
5. Pump exceeds well capacity Yes _____ No _____
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 _____
2. RPM _____
3. Voltage _____
a. 110 _____
b. 220 _____
Pitless Adapter
1. Make _____
2. Model # _____
3. Depth _____
Tank
1. Capacity _____
2. Pressure relief valve? _____
Piping
1. Type _____
2. Size _____
3. NSF and/or BOCA Code approved _____
4. Depth of supply line _____
Well data
1. Depth 400 ft.
2. Yield 2 GPM
3. Static water level 10 ft.
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).

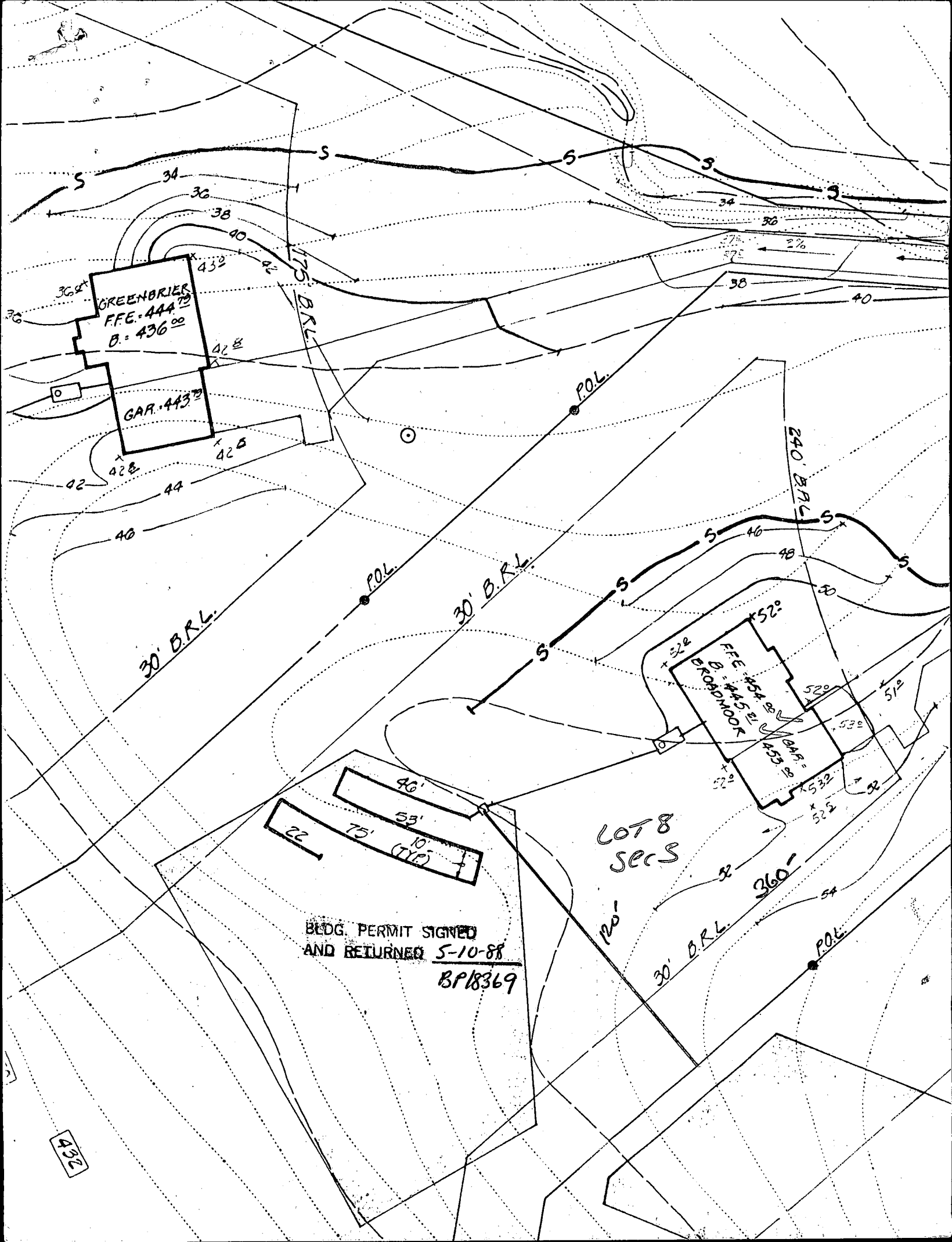
All information given above is true to the best of my knowledge.

Signature of Applicant: _____

Date: _____

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

6/15/89 - COVER OUTSIDE WORK
HD-215 PRESSURE TANK NOT INSTALLED RJK



GREENBRIER
FFE-444⁷⁹
B = 436⁰⁰

GAR-443⁷⁹

BROADMOOR
FFE-454⁸⁰
B = 445²¹

BLDG. PERMIT SIGNED
AND RETURNED 5-10-88
BP18369

432

EASEMENT
N. 100' W. 50'

N. 55° 43' 03" W.
460.61'



LOT #7 -
INV. ELEV. (OUT OF) HOUSE 437.40
INV. ELEV. (INTO) SEPTIC TANK 437.20
EXIST. ELEV. @ SEPTIC TANK 441.50
INV. ELEV. (OUT OF) SEPTIC TANK 436.87
INV. ELEV. (INTO) DISTRIBUTION BOX 435.03
EXIST. ELEV. @ DISTRIBUTION BOX 438.00
INV. ELEV. (OUT OF) DISTRIBUTION BOX 434.70
EXIST. ELEV. @ TRENCH 437.40

LOT #8

INV. ELEV. (OUT OF) HOUSE 448.86 ✓ (BSMT)
INV. ELEV. (INTO) SEPTIC TANK 448.66 ✓
EXIST. ELEV. @ SEPTIC TANK 450.00 ✓
INV. ELEV. (OUT OF) SEPTIC TANK 448.33 ✓
INV. ELEV. (INTO) DISTRIBUTION BOX 447.03 ✓
EXIST. ELEV. @ DISTRIBUTION BOX 450.00 ✓
INV. ELEV. (OUT OF) DISTRIBUTION BOX 446.70 ✓
EXIST. ELEV. @ TRENCH 449.30 ✓

MASTER GP
IN Files



LOT #9

INV. ELEV. (OUT OF) HOUSE 463.86
INV. ELEV. (INTO) SEPTIC TANK 463.66
EXIST. ELEV. @ SEPTIC TANK 470.70
INV. ELEV. (OUT OF) SEPTIC TANK 463.33
INV. ELEV. (INTO) DISTRIBUTION BOX 461.83
EXIST. ELEV. @ DISTRIBUTION BOX 464.80
INV. ELEV. (OUT OF) DISTRIBUTION BOX 461.50
EXIST. ELEV. @ TRENCH 464.00

NOTES:

1. GRADING SHOWN AROUND HOUSES MAY VARY DUE TO
CONDITIONS AND HOUSE "ADD-ONS" (STOOPS, A/C PADS,

2. NO CONSTRUCTION STOCKPILING, REFUSE OR EXCESS
MATERIAL SHALL BE BURIED IN SEPTIC EASEMENT.

L

2:00
7:00

Review 5-10-88 CR 8A

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-2579
 Location of property (road) Villagest Drive
 Subdivision Green Mill Manor Lot 8 Block Plat Sec. 5
 Well Driller George Easterday Owner Miller Assoc., Kerwin

Depth of well 400 26 PM
 Distance of measuring point (M.P.) above ground 1 ft
 Static water level (S.W.L.) below M.P. 10 ft

I. High rate pumping -- reservoir drawdown

Time pump started 6:45 Pumping rate 10 gpm
 Total time 30 min to reach pumping water level 168' ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

TIME minutes in tervals	WATER LEVEL below M.P.	PUMPING RATE time to fill (2) gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
7:15	168'	20 SEC	N/A	5 gpm
7:30	168'	20 SEC	pump at 390	3 gpm
7:45	168'	20 SEC		3 gpm
8:00	168'	20 SEC		3 gpm
8:15	168'	20 SEC	no fuel	3 gpm
8:30	168'	20 SEC		3 gpm
8:45	168'	20 SEC		3 gpm
9:00	168'	20 SEC		3 gpm
9:15	168'	20 SEC		3 gpm
9:30	168'	20 SEC		3 gpm
9:45	168'	20 SEC		3 gpm
10:00	168'	20 SEC		3 gpm
10:15	168'	20 SEC		3 gpm
10:30	168'	20 SEC		3 gpm
10:45	168'	20 SEC		3 gpm
11:00	168'	20 SEC		3 gpm
11:15	168'	20 SEC		3 gpm
11:30	168'	20 SEC		3 gpm
11:45	168'	20 SEC		3 gpm
12:00	168'	20 SEC		3 gpm
12:15	168'	20 SEC		3 gpm
12:30	168'	20 SEC		3 gpm
12:45	168'	20 SEC		3 gpm
1:00	168'	20 SEC		3 gpm
	168'	20 SEC		3 gpm

B 1 1561

SEQUENCE NO. (DP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

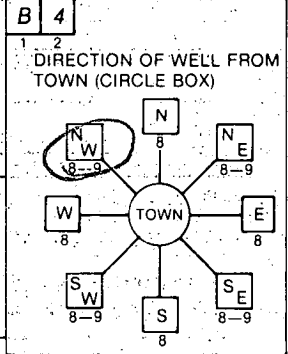
STATE PERMIT NUMBER 40-81-2579 fill in this form completely

Date Received (APA) 020588

OWNER INFORMATION KERWIN MILLER COMM 4229 CHERRY VALLEY D OLNEY MD 20832

LOCATION OF WELL HOWARD GREEN HILL MANOR SECTION 5 LOT 8 HIGHLAND MILES FROM TOWN 2 MI

DRILLER INFORMATION George F. Easterday L. Franklin Easterday, Inc. 9265 Brown Church Rd., Mt. Airy, Md. 21771



VILLADEST DR NEAR WHAT ROAD ON WHICH SIDE OF ROAD DISTANCE FROM ROAD 2730 FT

WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) 5 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL HOWARD A 27725 COUNTY NAME COUNTY NO. STATE SIGNATURE DATE ISSUED 022688 R Wilson 08-26-88

- 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)

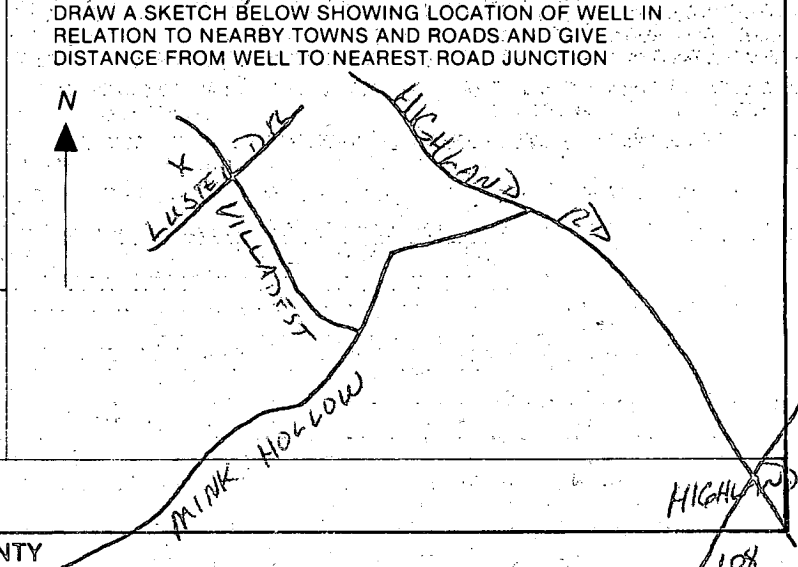
APPROXIMATE DEPTH OF WELL 100 FEET

APPROXIMATE DIAMETER OF WELL 6 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 DEEPM AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

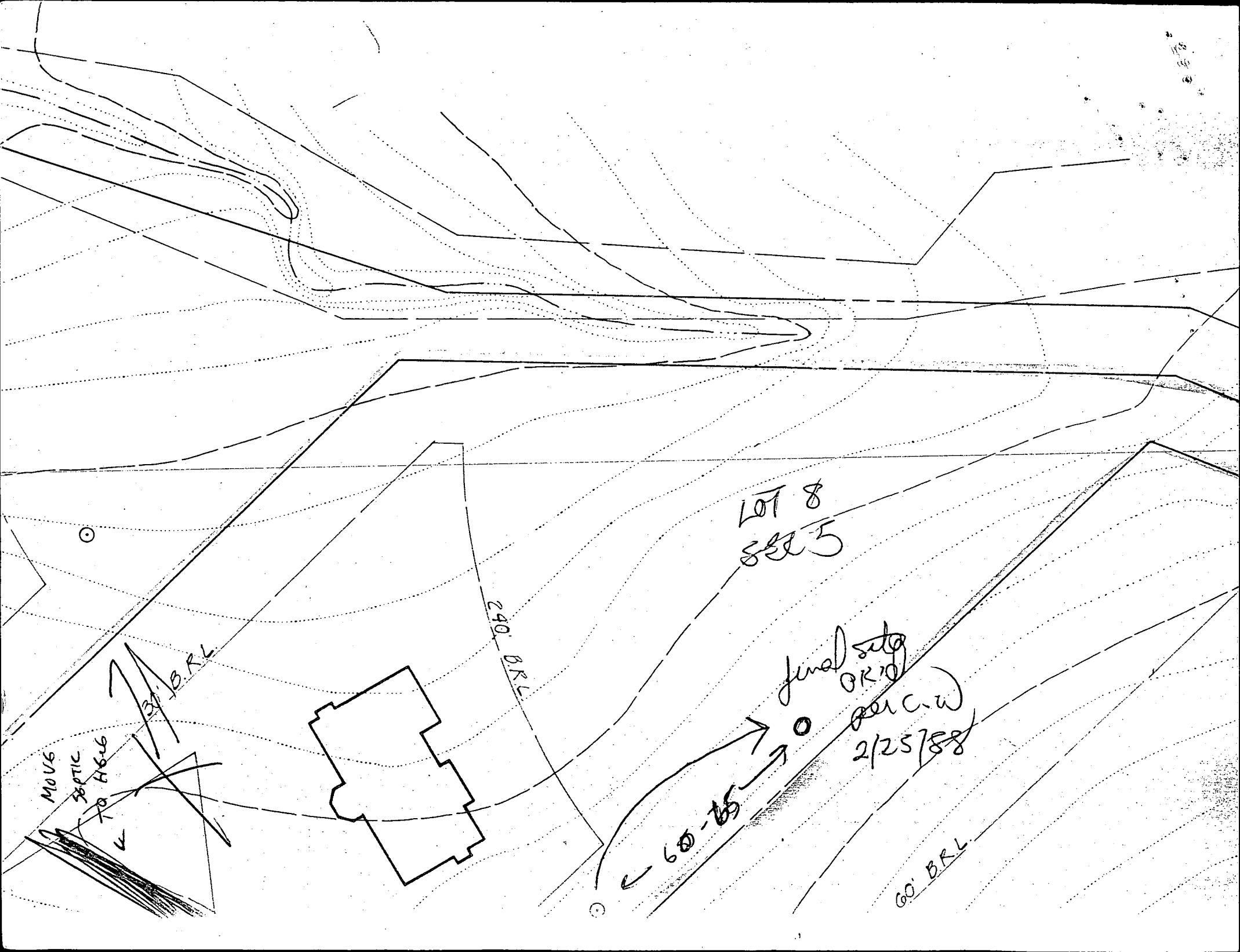
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. WELL 2. 3. WRITE THE BOX NUMBER FROM THE MAP HERE 8003 4003



Not to be filled in by driller (OEP USE ONLY) APPROP. PERMIT NUMBER GAP

FORCE INITIALS PERMIT No. 40-81-2579

SPECIAL CONDITIONS



LOT 8
885

240' B.R.L.

final site
OK'D
per C.W.
2/25/88

60-65

60' B.R.L.

MOVES
SEPTIC
TO H666

60' B.R.L.