

6/2/00 3pm CO  
6/1/00 ASAP CO  
6/5/00 ASAP CO  
8/23/00 Anytime

# PERMIT

Needs House Connection  
→ P 513605

**SEWAGE DISPOSAL SYSTEM**  
HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
410-313-2640

A 19298  
ISSUE DATE 5/24/2000

INDEXED

05-368375

APPROVAL DATE 8/23/00

NU-Homes, Inc. IS PERMITTED TO INSTALL  ALTER

ADDRESS 10630 Little Patuxent Pkwy, #146 Columbia, MD 21044 PHONE 410-730-2011

SUBDIVISION Reich's Ridge LOT NUMBER 1 ADDRESS 14105 Howard Road

PROPERTY OWNER NU-Homes, Inc. PROPERTY OWNER'S ADDRESS 10630 Little Patus. Pkwy

SEPTIC TANK CAPACITY 1250 GALLONS

PUMP CHAMBER CAPACITY N/A GALLONS

NUMBER OF BEDROOMS 4

SQUARE FEET PER BEDROOM 240

LINEAR FEET OF TRENCH REQUIRED 320

\*CONTRACTOR TO PRE-SCHEDULE  
INSTALLATION SO HEALTH DEPARTMENT  
MAY BE ON SITE AT ALL TIMES  
DURING INSTALLATION\*

TRENCHES: Trenches to be 3.0 feet wide. Inlet 1.0 feet below original grade. Bottom maximum depth 1.0 feet below original grade. 2.0 feet of stone below distribution box.

LOCATION: From the right-front lot corner, place the distribution box 320 feet down the right lot line and 80 feet from the right lot loine. Run trenches on contour toward the left side of the property. 5/23/00 OK AD

Amended 6/1/00 (SRU)

**BUILDING PERMIT SIGNED  
AND RETURNED**  
4/27/05 - GARAGE

PLANS APPROVED Craig Williams DATE

PERMIT VOID AFTER 2 YEARS

NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS

NOTE: TOP OF SEPTIC TANKS ARE TO BE NO DEEPER THAN 3.0 FEET BELOW FINISH GRADE

NOTE: WATERTIGHT SEPTIC TANKS REQUIRED

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS, 90° ELBOWS ARE NOT ACCEPTABLE

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX, DRAINFIELDS) TO BE 100 FEET FROM ANY WATER WELL UNLESS OTHERWISE SPECIFICALLY AUTHORIZED

NOTE: NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH UNLESS SPECIFICALLY AUTHORIZED

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

NOTE: IF PUMPED SEPTIC SYSTEM REQUIRED, (1) SEPTIC PUMP DETAIL TO BE PROVIDED BY INSTALLER PRIOR TO ISSUANCE OF SEPTIC PERMIT (2) PUMP PERFORMANCE TEST IS NECESSARY PRIOR TO HEALTH DEPARTMENT APPROVAL OF SEPTIC PERMIT

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM  
PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT  
CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

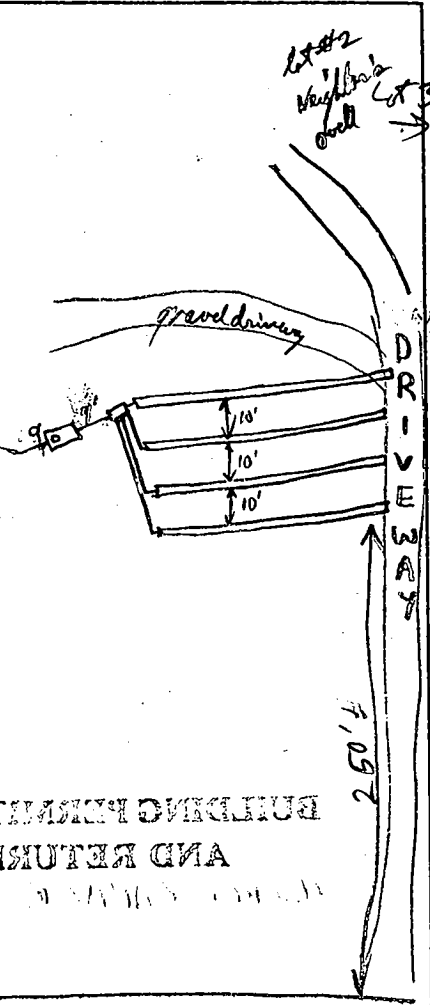
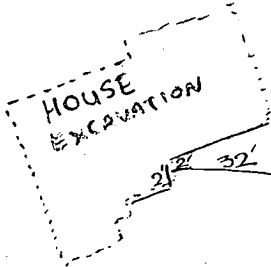
A 17037 843

A513605

NOT TO SCALE

Well No - 94-2367

Plot 1



let #2 neighbor's well

BUILDING PERMIT SIGNED AND RETURNED

HOWARD ROAD

**TRENCH DATA**

TRENCH WIDTH 3'

TRENCH INLET DEPTH 1'

TRENCH BOTTOM DEPTH 3'

DEPTH OF STONE 2'

NUMBER OF TRENCHES 80/PO/PO/PO

TOTAL TRENCH LENGTH 320

ABSORBENT AREA 960

DISTRIBUTION BOX LEVEL

BAFFLE IN DISTRIBUTION BOX       

**SEPTIC TANK DATA**

SEPTIC TANK 1500<sup>MS</sup> GALLONS

MANHOLE RISER NA

6 INCH INSPECTION PORT

**PUMP CHAMBER DATA**

PUMP CHAMBER GALLONS NA

MANHOLE RISER       

ALARM       

PUMP PERFORMANCE TEST       

PRE-CONSTRUCTION INSPECTION: \_\_\_\_\_

INSPECTION COMMENTS: 6/1/00 - LAYOUT DISCUSSED, KEEP TRENCHES 7' ETE TO

CONSERVE SEPTIC AREA (SRV) Tank set. let trench dug & gravel filled, OK to proceed, call

for next inspection. PIP 6/2/00 Trenches + supply line A.S.T. OK to cover.

Needs House Connection. PIP 6/5/00

8/23/00 FINAL INSP - house connection confirmed. PIP

INSPECTOR

*ADP*

DATE SYSTEM APPROVED

8/23/00

ENGINEER: CFS

This Area of land to be Dedicated to Howard Co. MD. for the use of a Public Road

DISTURBANCE

HOWARD ROAD

### Approved Septic System Plan Howard County Health Department

*[Signature]* 5/23/00  
Signature Date

Septic Area

Dist. Box  
Ex. Grd. = 526.0  
Inv. = 525.0

1500 Gal. Septic Tank  
Inv. in = 525.5  
Inv. Out = 525.2

Note: Basement will not Sewer by Gravity

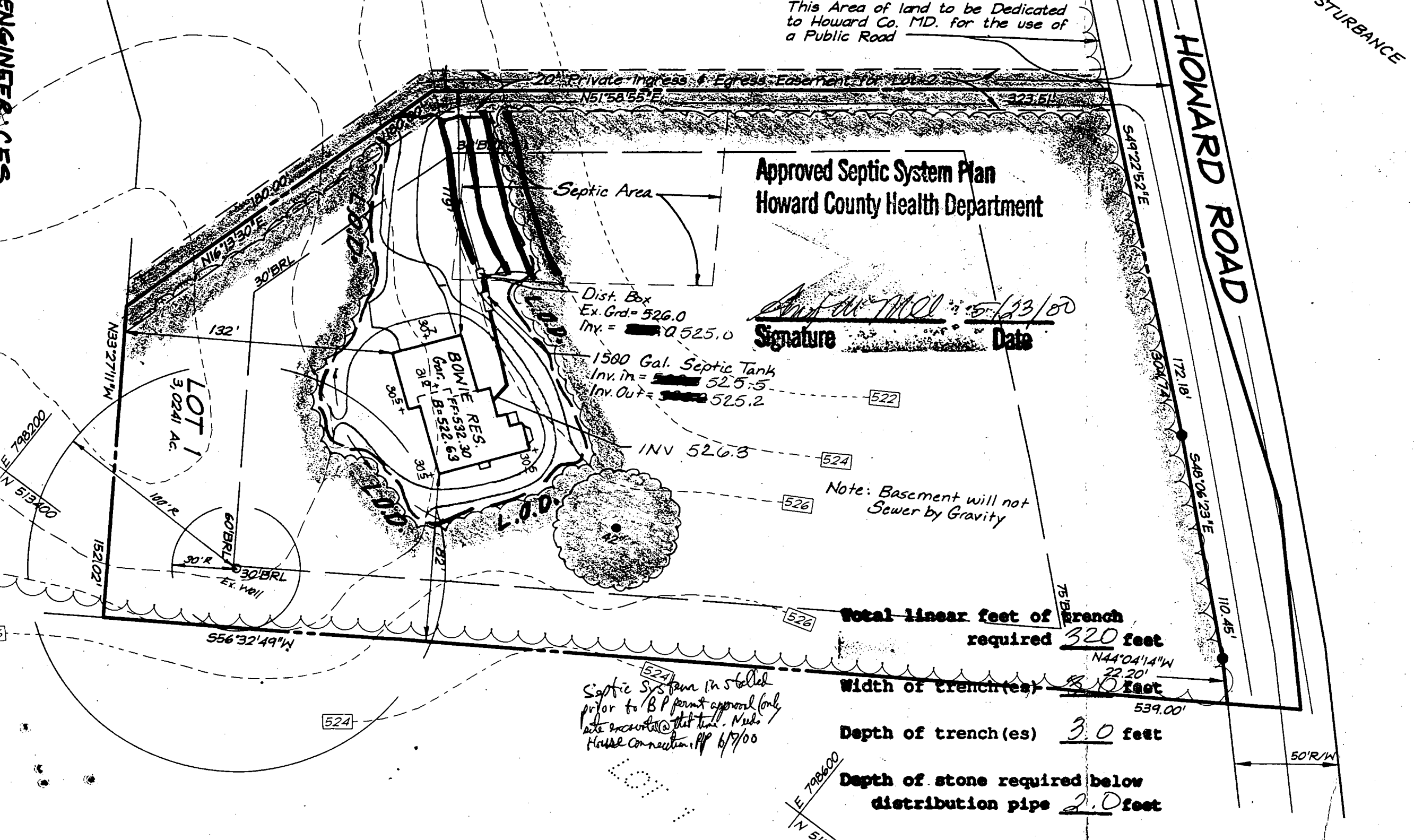
Total linear feet of trench required 320 feet

Width of trench(es) 18.0 feet

Depth of trench(es) 3.0 feet

Depth of stone required below distribution pipe 2.0 feet

*Septic System installed prior to BP permit approval (only site excavated at that time. Made Harder Connection. PP 6/7/00)*



THIS JOB HAS BEEN SUSPENDED THIS FORM FOR YOUR RECORDS.

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
WATER AND SEWERAGE PROGRAM  
TEL: (410)313-2640 FAX: (410)313-2648

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.

Company Name: ROBERT L. FEEZER CO. INC Telephone #: 410-781-4657  
Address: 632 BALDWIN AVE  
EVESVILLE, MD 21744

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer  
License # and name of individual responsible for the field installation:

Name (Print): ROBERT L. FEEZER License# 212-2

\*A licensed individual must perform the actual installation. Apprentices must be under the direct supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification.

Name of Property Owner: All-Home's, Inc. Telephone #: 410-730-2100  
Subdivision: BECHTOLD RIDGE Lot #: 1 Well Tag #: HO-94-2367  
Site Address: 4106 HOWARD ROAD  
DARTON, MD 21036

Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit  
Make: Star-Kite Make: Holman Two piece watertight cap: YES  
Model #: SP11024103 Model #: PTD0 Screened, vented well cap: YES  
Pump Capacity: 5 GPM Depth: 42" (36" min) Cap secured to casing: YES  
Well Yield: 1.6 GPM NSF approved:        Conduit min 18" B.G.: YES  
Depth of well encountered at time of pump installation:        (feet) Conduit secured to well cap: YES  
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4  
Torque arrestors or Cable guards are required - Must circle one  
Safety rope, if used, attached to inside of well casing with eye bolt YES

Piping to house House Connection  
Type: PVC PVC sleeved to undisturbed soil at wall penetration: YES  
PSI: 160 (160 psi min) / 20 ft down Approximate length of sleeve: 15  
Depth of supply line: 35" (36" min) Sleeve caulked and sealed properly: YES

The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Robert L. Feezer 9/8/2001  
Signature of company representative responsible for installation date

For Health Department Use Only - Not to be completed by Installer

Date Insp. Requested: 8/30/00 Date Insp. Approved: 8/30/00  
Inspection Data: Pitless adapter and water supply line at least 36" below grade ✓  
Two piece cap installed and attached to casing securely ✓  
Elec. conduit extends at least 18" below grade/attached to cap properly ✓  
Safety rope installed inside of well casing ✓  
Correct well tag attached properly and casing 8" above finished grade ✓  
Water supply line sleeved adequately at house connection ✓  
Adequate grout observed below pitless adapter ✓

BB SRK

# APPLICATION

7/18/88  
9:30

PERCOLATION TESTING

A 19298

P \_\_\_\_\_

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

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 BRUNO W. REICH

ADDRESS 14189 Howard Road PHONE 596-9182

PROSPECTIVE BUYER N/A DAYTON MD 21036

ADDRESS NEXT TO ABOVE PHONE \_\_\_\_\_

PROPERTY LOCATION: REICH'S RIDGE

SUBDIVISION \_\_\_\_\_ LOT NO Parcel B

ROAD AND DESCRIPTION HOWARD RD

TAX MAP 27 PARCEL # 30 BLOCK/GRID # 6

SIZE OF LOT 10 AC. SAC TYPE BLDG \_\_\_\_\_

(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.

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_  
F 89-89 SIGNED 3/20/89 (SIGNATURE OF APPLICANT)

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

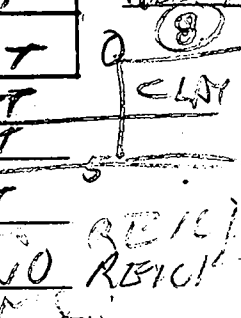
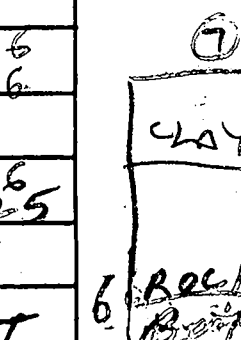
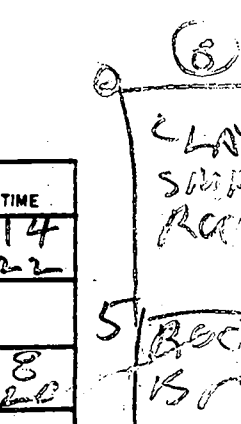
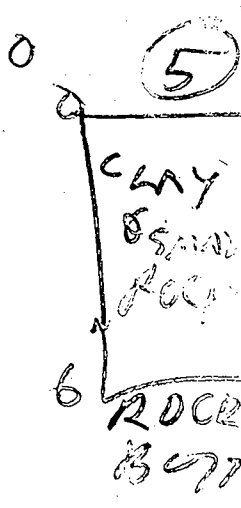
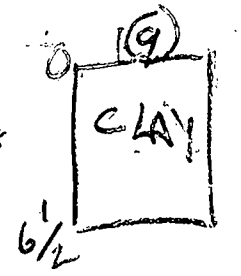
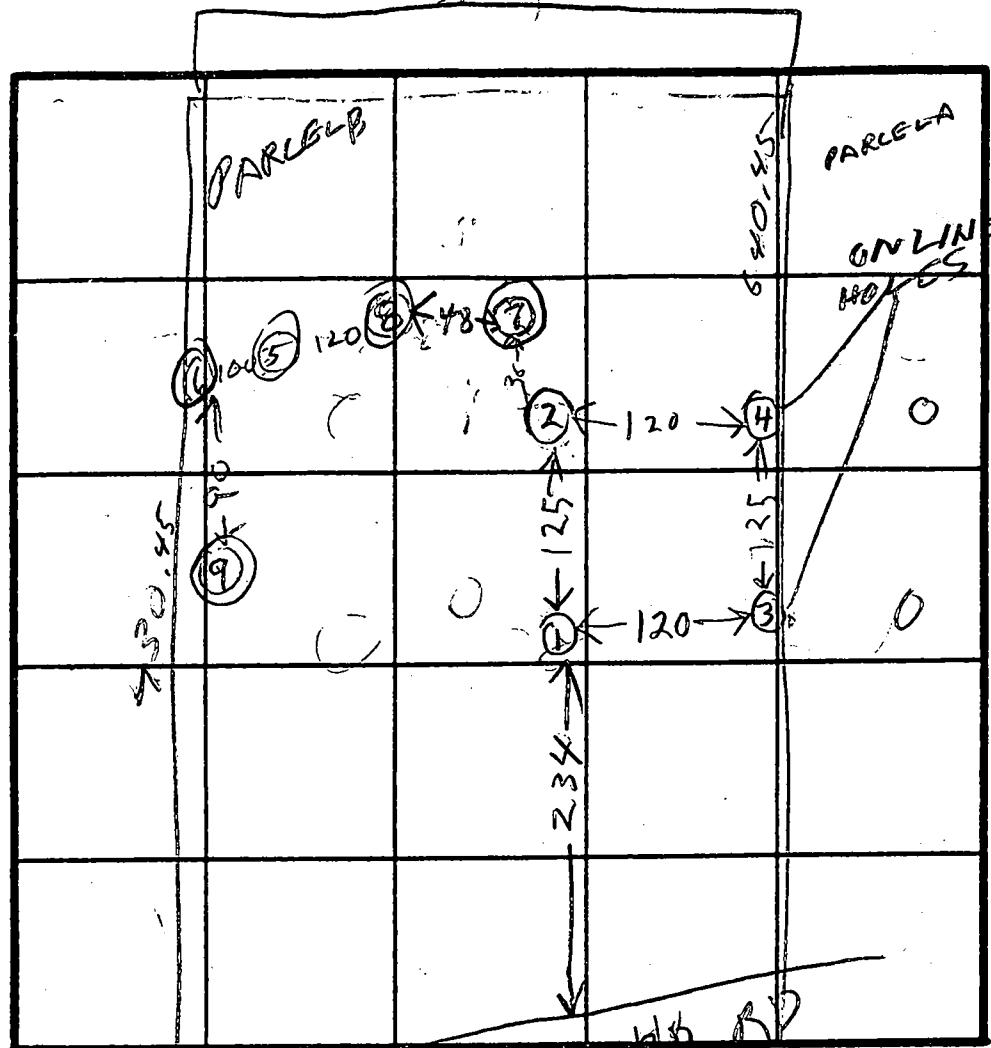
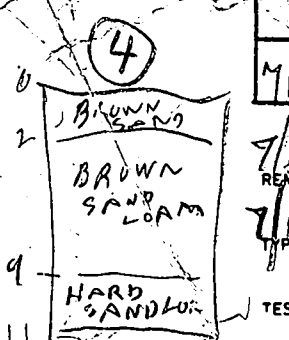
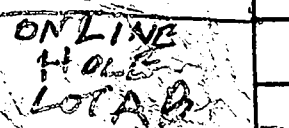
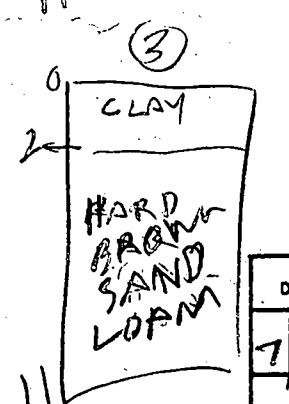
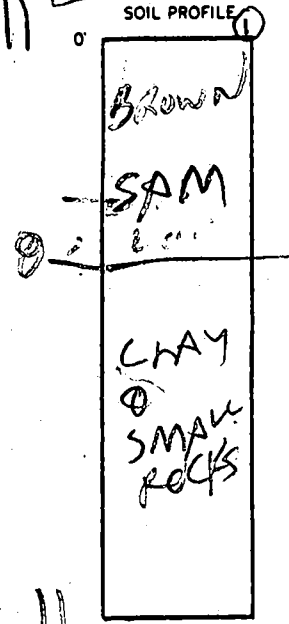
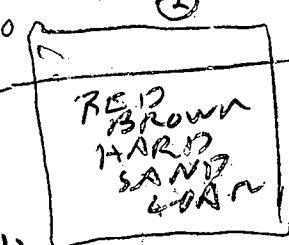
REASONS FOR REJECTION OR HOLDING 7/18/88 PERC OK HOLD FOR

PLAT

HD-216

## THIS IS NOT A PERMIT

316649



INDICATE NORTH - NAME ADJOINING ROADWAY & BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1' DROP		TIME
			START	STOP	START	STOP	
7/8/88	1S	2.5	1021	1020	1028	1042	14
	2D	2	1022	1033	1033	1055	22
8/8	1V	11	OK				
	2S	2.5	1025	1052	1052	1100	8
	2D	6.5	1047	1052	1052	1112	20
	2V	11 1/2	OK				
	3S	3	1029	1030	1030	1036	6
	3D	6.5	1029	1030	1030	1036	6
	3V	11	OK				
	4S	3.0	1043	1047	1047	1053	6
	4D	6.5	1044	1050	1050	1023	25
	4V	11	OK				
	(5V)	6	ROCK BOTTOM		UNSAT		
7/12/88	(6V)	5	ROCK BOTTOM		UNSAT		
7/12/88	(7)	6	ROCK		UNSAT		
	(8)	5	CLAY		UNSAT		
7/19/88	(9)	5	CLAY		UNSAT		
	(9)	6.5	CLAY		UNSAT		

TESTED BY RAYMOND HADGEE ALSO PRESENT BRUNO REICHERT

5109 SEM VISITEN

REICHERT

# APPLICATION

A 19298

## 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. 386

DISTRICT 5

DATE 11/14/73

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 Kathryn E. Thompson et al

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

Any questions call:  
Louise Adams  
286-  
531-5446

PROPERTY LOCATION:

SUBDIVISION \_\_\_\_\_ LOT NO. A & B combined

ROAD AND DESCRIPTION Howard Road

SIZE OF LOT 10.000 acres TYPE BLDG. 3 or 4

NUMBER OF BEDROOMS  
(Single famly. dwllg.)

IF NOT SINGLE RESIDENCE DESCRIBE \_\_\_\_\_

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

SIGNATURE OF APPLICANT /s/ Louise Adams

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_  
(KIND OF SYSTEM)

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_  
(KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

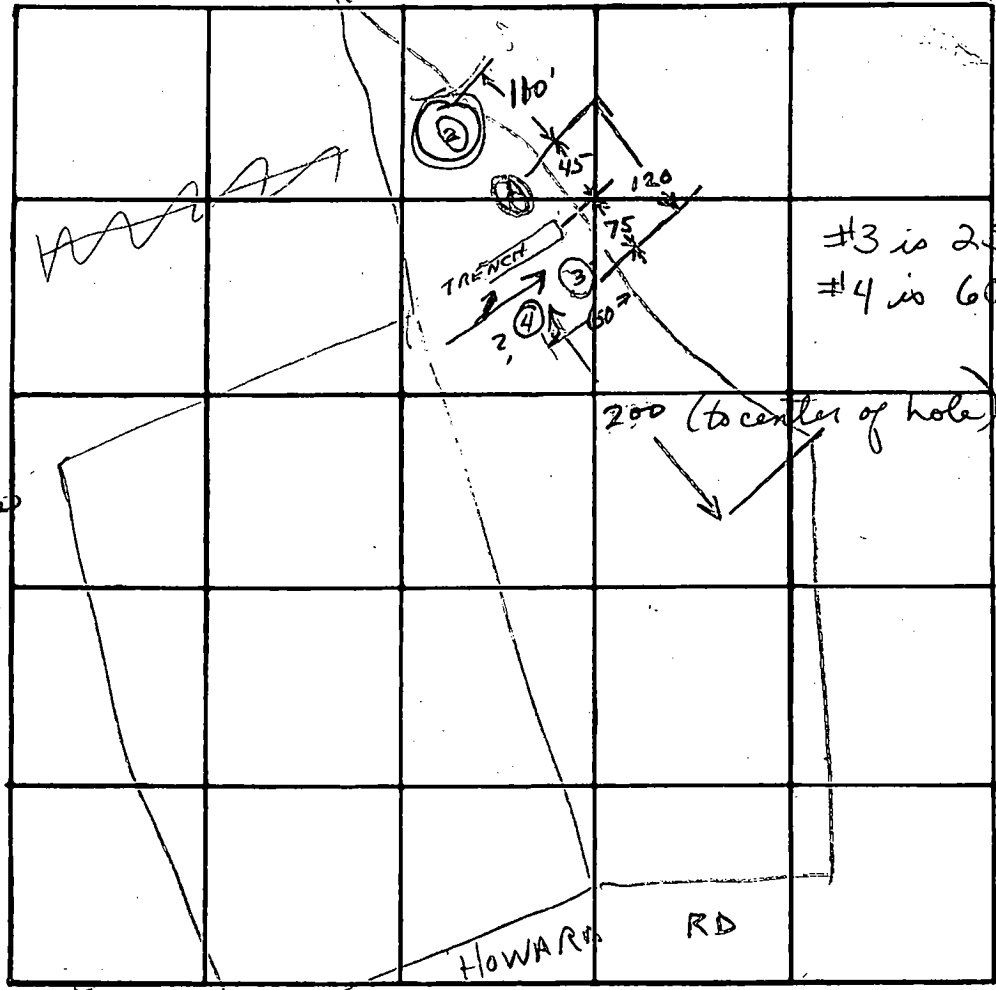
# THIS IS NOT A PERMIT

Ed Hinshaw

① 2  
clay  
5  
clay loam  
8  
hard sandy-type

② 0  
clay  
8  
clay loam  
12  
light color soil, broken rock  
15  
Water 5/14/75

③ 0  
clay loam  
3 1/2  
sandy layered soil or very loose rock  
13 1/2



#3 is 25' off fence  
#4 is 60' off fence

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
5/14/75	1	5	10:03	10:08	10:08	10:20	12	✓
	1-A	14	10:07	10:18	10:18	10:29	11	✓
	2	8	10:11	10:14	10:14	10:38	24	X
	2-A	15	10:13	—	10:30	NO PERC		X
	2-B	16	Water	—	—	—		X
	2-C	13	10:55	11:03	11:03	11:19	16	X
	3	4	10:45	10:49	10:49	11:01	12	✓
	3-A	13 1/2	10:44	—	11:15	NO PERC		
	3-B	13 1/2	11:15	—	—	NO PERC		
	3-C	12	11:32	11:40	11:40	11:57	17	✓

REMARKS Trench begins 10' off line; extends uphill 50'; 10 ft deep. Getting into harder shale at upper end.

TYPE OF SOIL Hard sandy; clay loam shale  
4 2 1/2 Sandy → hard shale.

WWT

4-12' Leased  
#10,000

# APPLICATION

A 19298

## SEWAGE DISPOSAL TESTING

P \_\_\_\_\_

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES

DISTRICT 5

P. O. BOX 476, ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 468-8000, EXT. 386

DATE 11/14/73

*11/20/73 No good ground; all clay, rock, or water. Not tested! W.W.Z.*

*2/20/73  
4:30  
5/14/75  
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 Kathryn E. Thompson et al

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_ Any questions call:  
Louise Adams

PROPERTY LOCATION: \_\_\_\_\_ 286-  
531-5446

SUBDIVISION \_\_\_\_\_ LOT NO. A & B combined

ROAD AND DESCRIPTION Howard Road

SIZE OF LOT 10,000 acres TYPE BLDG. 3 or 4

IF NOT SINGLE RESIDENCE DESCRIBE \_\_\_\_\_ NUMBER OF BEDROOMS  
(Single fmlly. dwllg.)

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

SIGNATURE OF APPLICANT /s/ Louise Adams

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_  
(KIND OF SYSTEM)

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_  
(KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS W.W.Z. W.W.Z. DATE 11/20/73 5/14/75

REASONS FOR REJECTION OR HOLDING further exploration

# THIS IS NOT A PERMIT

Order

STATION


INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

1.500  
 1.000  
 0.500  
 0.000  
 -0.500  
 -1.000  
 -1.500

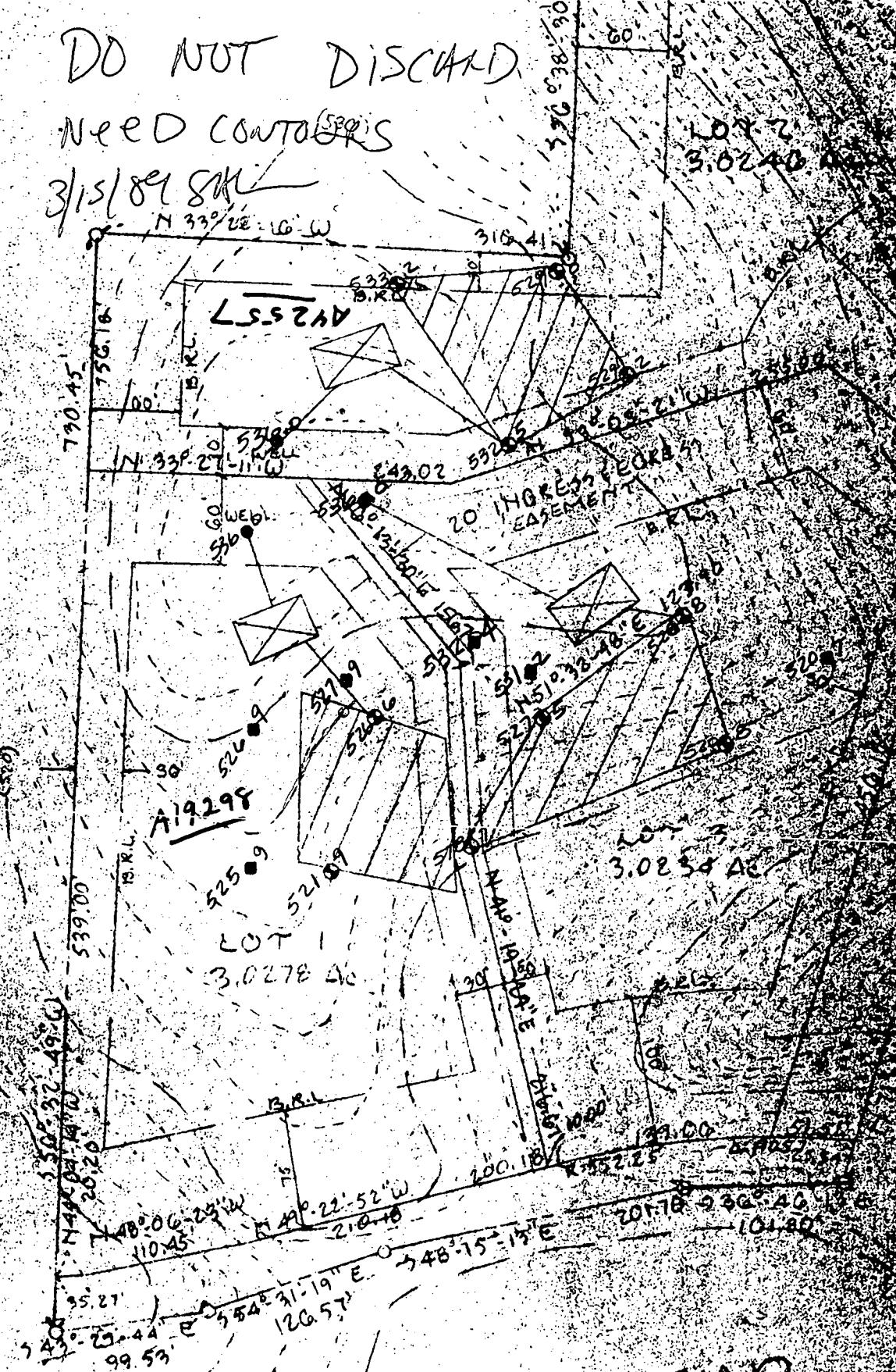
INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
5/16/75	4	9 1/2'	Sandy going to hard shale					

REMARKS \_\_\_\_\_

TYPE OF SOIL \_\_\_\_\_

DO NOT DISCARD  
 NEED CONTACTS  
 3/15/89 SM

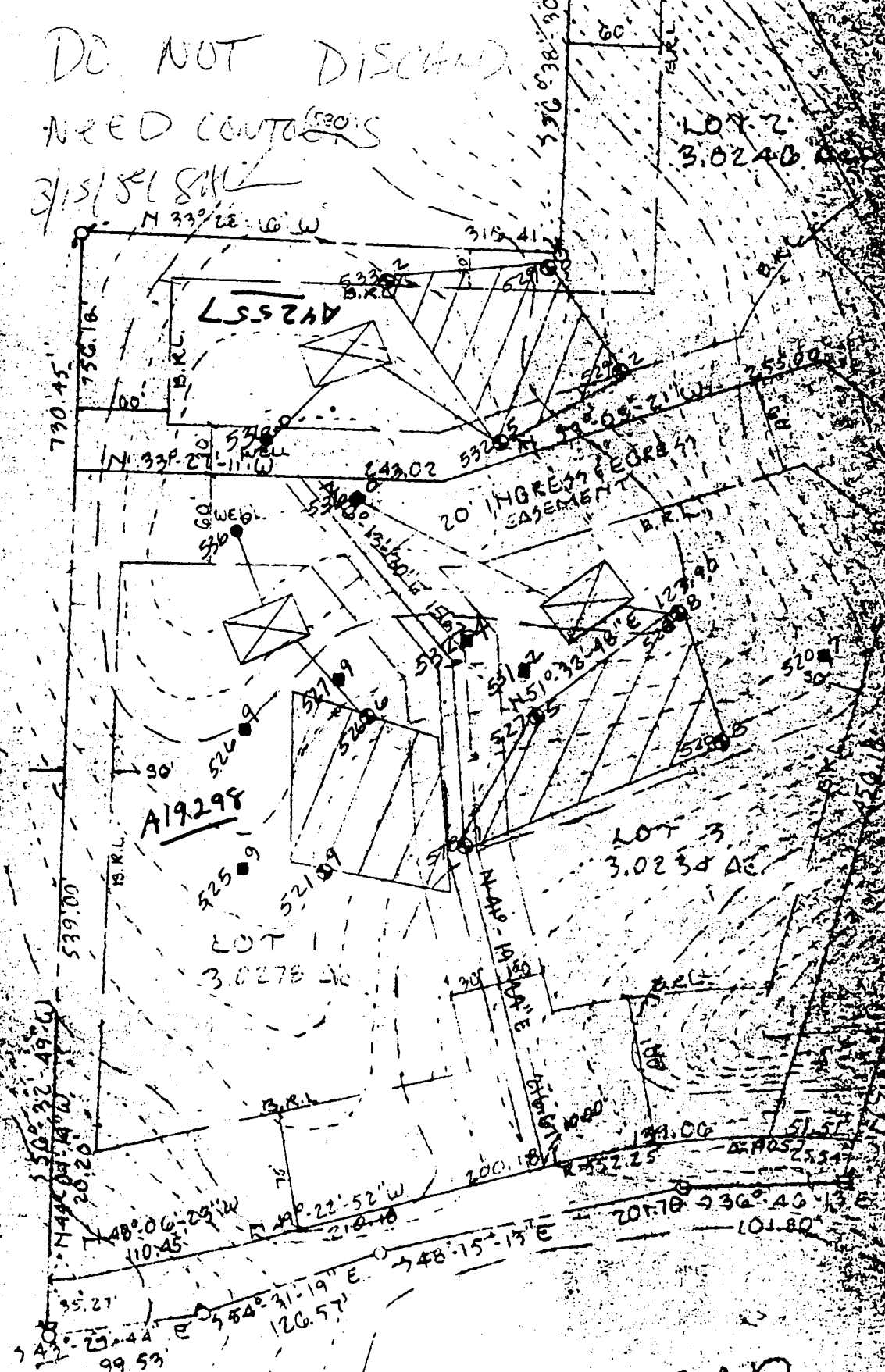


# HOWARD ROAD

COPY OF PLAN MADE FOR FRED FROMEL  
 HO. CO. HEALTH DEPT SHOWING PER ELEV  
 & WELL ELEV. 2/28/89 J. C. Maloney Jr.

FILE COPY

DO NOT DISCARD  
NEED CONTROLS  
3/15/81 S.H.



HOWARD ROAD

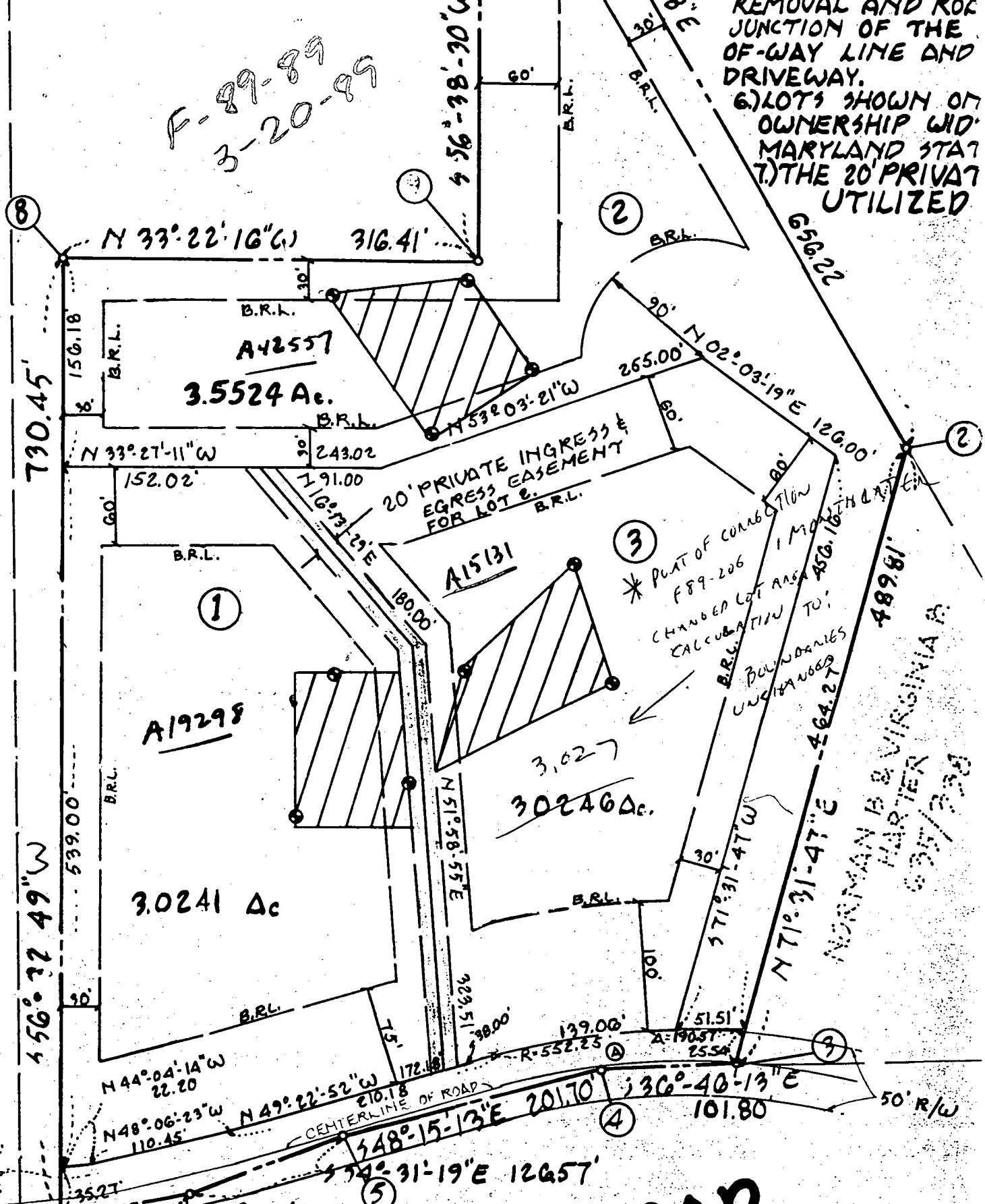
COPY OF PLAN MADE FOR FRED FROMEL  
HO. CO. HEALTH DEPT SHOWING PER ELEV  
Gwell elev. 2/23/80 John C. Malone Jr.

FILE COPY

F-89-89  
3-20-99

REMOVAL AND FOR  
JUNCTION OF THE  
OF-WAY LINE AND  
DRIVEWAY.  
6) LOTS SHOWN ON  
OWNERSHIP W/D  
MARYLAND STAT  
7) THE 20' PRIVATE  
UTILIZED

OTS  
335 Ac  
348 Ac  
83 Ac



# HOWARD ROAD

# MEYORS CERTIFICATE OWNERS CERTI

C1 1901

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED. OK MR 10/27/99 COUNTY NUMBER 19298

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED 9 7 99

Depth of Well 440 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-2367

OWNER Boerlage Henk G. STREET OR RFD 14000 Block of Howard Road TOWN SUBDIVISION Reich Ridge SECTION LOT 1

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Rows: Sand Stone (0-8), Gray Mica Rock (8-440)

GROUTING RECORD

WELL HAS BEEN GROUTED (Y) (N) TYPE OF GROUTING MATERIAL (C) (M) (B) (C) NO. OF BAGS 6 NO. OF POUNDS 564 GALLONS OF WATER 36 DEPTH OF GROUT SEAL (to nearest foot) from 0 to 20

CASING RECORD

ST STEEL CO CONCRETE PL PLASTIC OT OTHER MAIN CASING TYPE ST 6 21

OTHER CASING (if used)

Table for other casing with columns: diameter, depth (feet)

SCREEN RECORD

ST STEEL BR BRASS HO OPEN HOLE PL PLASTIC OT OTHER

DEPTH (nearest ft.) 20 440

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED (Y) (N)

- CIRCLE APPROPRIATE LETTER: 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...

DRILLERS LIC. NO. 1 M S D 024 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. 1 D

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

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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q

TELESCOPE CASING LOG INDICATOR OTHER DATA

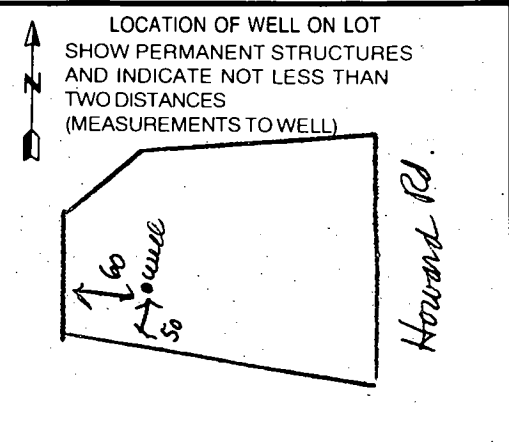
C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 6 PUMPING RATE (gal. per min.) 16 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 34 WHEN PUMPING 335 TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP (CIRCLE) (YES) (NO) IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29. CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35 PUMP HORSE POWER 37 41 PUMP COLUMN LENGTH (nearest ft.) 43 47 CASING HEIGHT (circle appropriate box and enter casing height) + above LAND SURFACE - below 1 (nearest foot)



FIELD DATA SHEET  
 HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-2367  
 Location of property (road) 14000 Block of Howard Road  
 Subdivision Reich Ridge Lot 1 Block          Plat          Sec.           
 Well Driller Joseph Mayne Owner Henk G. Boerlage

Depth of well 440'  
 Distance of measuring point (M.P.) above ground 1'  
 Static water level (S.W.L.) below M.P. 34'

I. High rate pumping -- reservoir drawdown

Time pump started 7:00 Pumping rate 15 gpm  
 Total time 45 min to reach pumping water level 335' below M.P.

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

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill 5.1 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
7:15	139'	4 sec.	N/A	15 gpm.
7:30	270	5		12.0
7:45	335	6		10
8:00	332	36		1.6
8:15	331	36		1.6
8:30	331	36		1.6
8:45	330	36		1.6
9:00	330	36		1.6
9:15	329	36		1.6
9:30	332	36		1.6
9:45	331	40		1.5
10:00	329	40		1.5
10:15	326	40		1.5
10:30	327	37		1.6
10:45	325	37		1.6
11:00	325	37		1.6
11:15	325	37		1.6
11:30	325	37		1.6
11:45	325	37		1.6
12:00	324	37		1.6
12:15	324	37		1.6
12:30	324	37		1.6
12:45	324	37		1.6
1:00	324	37		1.6
1:15	324	37		1.6
1:30	324	37		1.6
1:45	324	37		1.6

HD-2241:15 324  
 1:20 324  
 1:45 324

B 1 14393

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER HO-94-2367 fill in this form completely

OWNER INFORMATION: Date Received (APA) 08 06 99, Boerlage G. Henk, P.O. Box 120, Upper Marlboro Md 20773

LOCATION OF WELL: Howard, Reich Ridge Sub, Dayton, 2 miles from town

DRILLER INFORMATION: Joseph L. Mayne, MS D 24, Joseph L. Mayne Well Drilling, 5512 Ridge Rd. Mt. Airy, Md. 21771, 8/5/99

DIRECTION OF WELL FROM TOWN (CIRCLE BOX): Howard, 500 FT DISTANCE FROM ROAD, TAX MAP 27, PARCEL 30

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

USE FOR WATER (CIRCLE APPROPRIATE BOX): DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL: Howard, 19298, Steven R. King, 08 17 99, 800

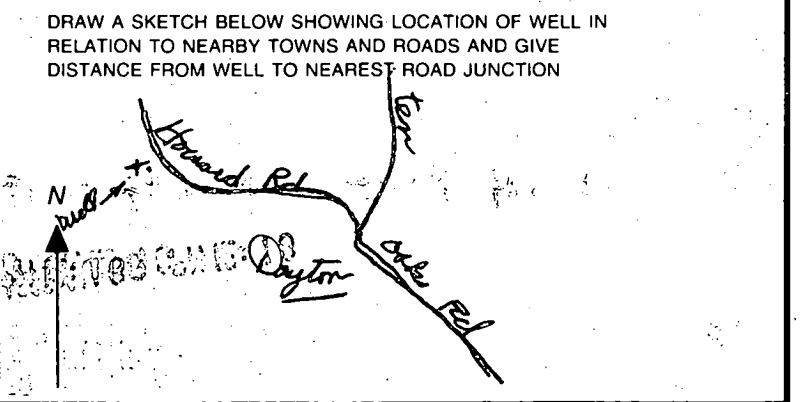
APPROXIMATE DEPTH OF WELL 300 FEET, APPROXIMATE DIAMETER OF WELL 6 INCH

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X: 9/1/99 9:30, location on SRK will be grouted tomorrow, WRITE THE BOX NUMBER FROM THE MAP HERE: E 800, N 500

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): THIS WELL WILL NOT REPLACE AN EXISTING WELL

Not to be filled in by driller (MDE OR COUNTY USE ONLY): APPROX. PERMIT NUMBER 54, PERMIT No. HO-94-2367







VICINITY MAP  
SCALE 1" = 20'

### LEGEND

- CONTOUR INTERVAL
- EXISTING CONTOUR
- PROPOSED CONTOUR
- DIRECTION OF DRAINAGE
- WALK OUT BASEMENT
- SPOT ELEVATION
- LIMIT OF DISTURBANCE

## HOWARD ROAD

This Area of land to be Dedicated to Howard Co. MD. for the use of a Public Road

20' Private Ingress & Egress Easement for Lot 2

**APPROVED**  
**WALK-THRU BUILDING PERMIT**  
 BP# BD0153447 A# 14209  
 APP. SAN PM DATE: 4/2/71  
 DESC. OF WORK: Garage

Note: Basement will not Sewer by Gravity

Handwritten notes:  
 522  
 524  
 526  
 528  
 50111  
 Howard Rd  
 513800  
 798300

Revised Lot

**BOWIE RES.**  
 Gar. FF=532.30  
 31' x 31' B=522.69

**LOT 1**  
 3,0241 AC

1405 Howard Rd.

522

524

526

528

522

524

526

526

75' BRL

110.45'

548°06'23"E

172.18'

304.74'

549°22'52"E

323.51'

51°58'55"E

26.0'

523.0'

Gal. Septic

Intake = 523.5

Intake = 523.2

42'

10.0'

60' BRL

30' R

152.02'

N33°27'11"W

2 FT

3.48

78'

L.O.D.