

7-28-99  
Pres. Insp  
(meet Jenkins)  
3pm 2/1/99  
10:00

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

03-326475

P 511381

A 56382-A&C

DISTRICT \_\_\_\_\_

DATE 2-1-99

DATE SYSTEM APPROVED 2/1/99

INSPECTOR AM

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
~~XXXXXX~~ 410-313-2640

# INDEXED

Jenkins Brothers \_\_\_\_\_ IS PERMITTED TO INSTALL X ALTER \_\_\_\_\_

ADDRESS 7670 Smith's Private Road Sykesville, Maryland 21784 PHONE (410) 461-9282

SUBDIVISION Kittleman Property LOT 1 ROAD 3102, Fox Valley Drive

PROPERTY OWNER Allen & Robin Kittleman

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240

TRENCHES - Trench to be 3 feet wide. Inlet 2 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 3 feet below original grade. 3 feet of stone below distribution pipe.

LOCATION - Place the distribution box 85 feet off the 165.98' lot line and 60 feet off the 226.82' lot line. Run trenches along contour towards the 165.98' lot line.

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

OK KM 1-20-99

PLANS APPROVED BY Ronald J. Pinkley/Donna K. Soe DATE 1-15-1999

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

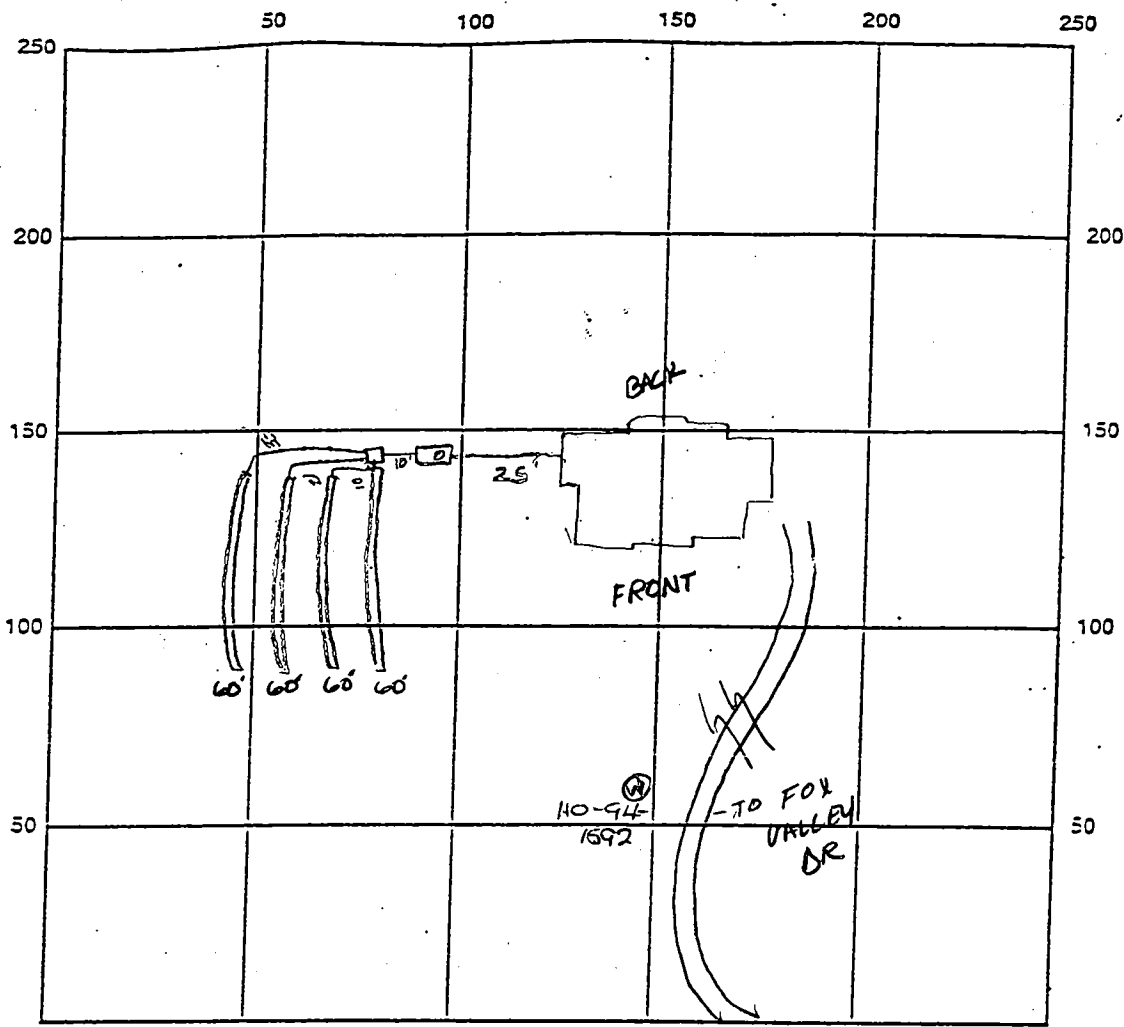
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON, CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

**\*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.**

A56382-AC



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL OK 1250 gal CLEANOUTS OK

DISTRIBUTION BOX LEVEL OK baffle 15 in

DRAIN FIELD/TITLE DEPTH 5.0 FT. TRENCH WIDTH 3.0 FT. INLET DEPTH 3.0 FT.

EFFECTIVE GRAVEL DEPTH 2.0 FT. TOTAL LENGTH 240 FT.

NUMBER OF TRENCHES 4 ONE SIDEWALL/BOTTOM AREA 720 SQ. FT. <sup>240</sup>

DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET 2.0 FT.

ABSORBENT AREA — SQ. FT.

REMARKS: 2/1/99 OK to cover all work AD

DATE SYSTEM APPROVED 2/1/99 INSPECTOR A Mc Miller

12/27/88

# APPLICATION

27.28

PERCOLATION TESTING

A 56382-A

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

PREVIOUS OK  
FARM PLOTS  
+ 1 REPAIR

DISTRICT \_\_\_\_\_

DATE 12-19-95

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Robert H. Kittleman

ADDRESS 3104 Fox Valley Drive PHONE (410) 531-3694

West Friendship, MD 21794

AGENT OR PROSPECTIVE BUYER Allan Kittleman

ADDRESS 13330 Hunt Ridge, Ellicott City, MD PHONE (301) 859-2512

21042

PROPERTY LOCATION: Friendship Farm

SUBDIVISION 3104 Fox Valley Drive, W. Friendship LOT NO. \_\_\_\_\_

ROAD AND DESCRIPTION \_\_\_\_\_

TAX MAP \_\_\_\_\_ PARCEL # \_\_\_\_\_

SIZE OF LOT 1 Acre TYPE BLDG. Single Family Dwelling  
(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.

[Signature]  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

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

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

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

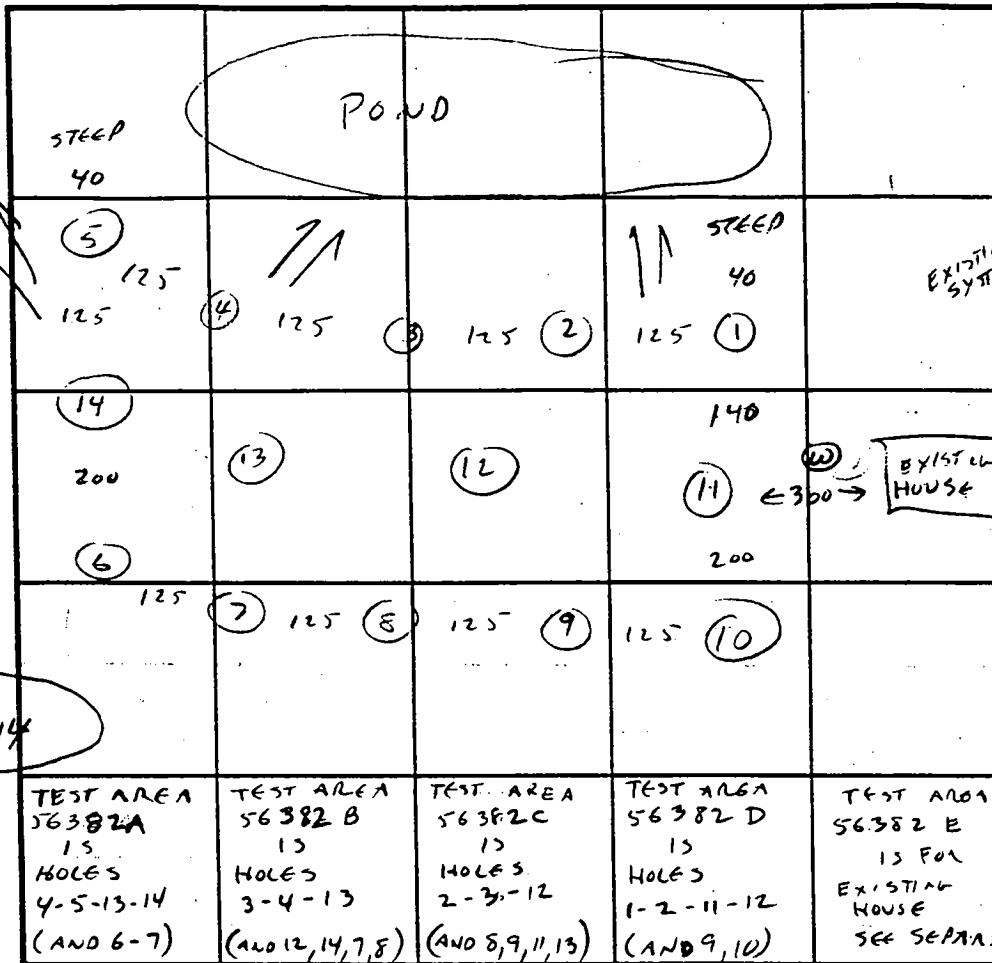
SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

# THIS IS NOT A PERMIT

COUNTY #

SOIL PROFILE #1

0' - DARK CLAY LOAM  
 4' - DARK SILT LOAM  
 >5% ROCK



SOIL PROFILE

0' - DRIVEWAY  
 EXISTING SYSTEM  
 TO FOX VALLEY DRIVE

# 2-3-4 AND 6-14

1' - DARK CLAY LOAM  
 1' - DARK SILT LOAM  
 LIGHT SILT LOAM  
 >5% ROCK

TEST AREA 56382A 15 HOLES 4-5-13-14 (AND 6-7)	TEST AREA 56382B 13 HOLES 3-4-13 (AND 12,14,7,8)	TEST AREA 56382C 13 HOLES 2-3-12 (AND 8,9,11,13)	TEST AREA 56382D 13 HOLES 1-2-11-12 (AND 9,10)	TEST AREA 56382E 13 FOR EXISTING HOUSE SEE SEPARATE SHEET
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INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12/27/95	1	4 1/2	12:37:30	12:41	12:41	12:56	15 MIN
		VIS OK 4-10'	DARK SILT LOAM				
	2,4	SAME AS #3	- VIS OK 3-10'		LIGHT SILT LOAM		
	3	4 1/2	12:22	12:25	12:25	12:31	6 MIN
		VIS OK 4 1/2-10'	LIGHT SILT LOAM				
	5	3 1/2	12:10	12:13:30	12:13:30	12:18:30	5 MIN
		VIS OK 3-10'	GREY SANDY MICA LOAM				
	11-14	VIS OK 4 1/2-10'	SIMILAR TO #3				
	6-10	VIS OK	SIMILAR TO #3				
		NOT USED - HIGH ON LOT - POTENTIAL WELL AREA					

3' - CLAY LOAM  
 GREY (PARENT) SANDY MICA LOAM

REMARKS: UNABLE TO MEASURE DISTANCE TO POND - STEEP & I.C.Y.  
 TYPE OF SOIL: WATCH TOPOGRAPHY ALONG LOWER LIMITS - NBAN SWALES AND STEEP SLOPES  
 TESTED BY: CW [Signature] ALSO PRESENT: KITTELMAN  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 8 TRENCH WIDTH 3  
 INLET DEPTH 3 MAXIMUM BOTTOM DEPTH 5 SQ. FT./BEDROOM 240

# APPLICATION

PERCOLATION TESTING

*continuation of* A 56382 A+C

*Extra Testing  
of lots 1-4*

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

DISTRICT \_\_\_\_\_

DATE 1/12/88

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Robert H Kittleman

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

AGENT OR PROSPECTIVE BUYER Allan Kittleman

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

PROPERTY LOCATION: — Engineer — John Hart of Kiemen, Muegge.

SUBDIVISION Kittleman Property LOT NO. part of (1)

ROAD AND DESCRIPTION private farm lane off N/S Fox Valley Dr. 3102 Fox Valley Drive

Additional Testing & Review on lots 1-4

TAX MAP 15 PARCEL # 117

~~PERMIT SIGNED~~  
~~AND RETURNED 10-20-98~~  
Serial # BRD 114571  
Conant House  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

SIZE OF LOT \_\_\_\_\_ TYPE BLDG. \_\_\_\_\_

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 \_\_\_\_\_

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

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

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

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

# THIS IS NOT A PERMIT



I FURTHER CERTIFY THAT THE REQUIREMENTS OF SECTION 3-108, THE REAL PROPERTY ARTICLE, ANNOTATED CODE OF MARYLAND, 1988 REPLACEMENT VOLUME, (AS SUPPLEMENTED) AS FAR AS THEY RELATE TO THE MAKING OF THIS PLAT AND THE SETTINGS OF MARKERS HAVE BEEN COMPLIED WITH.

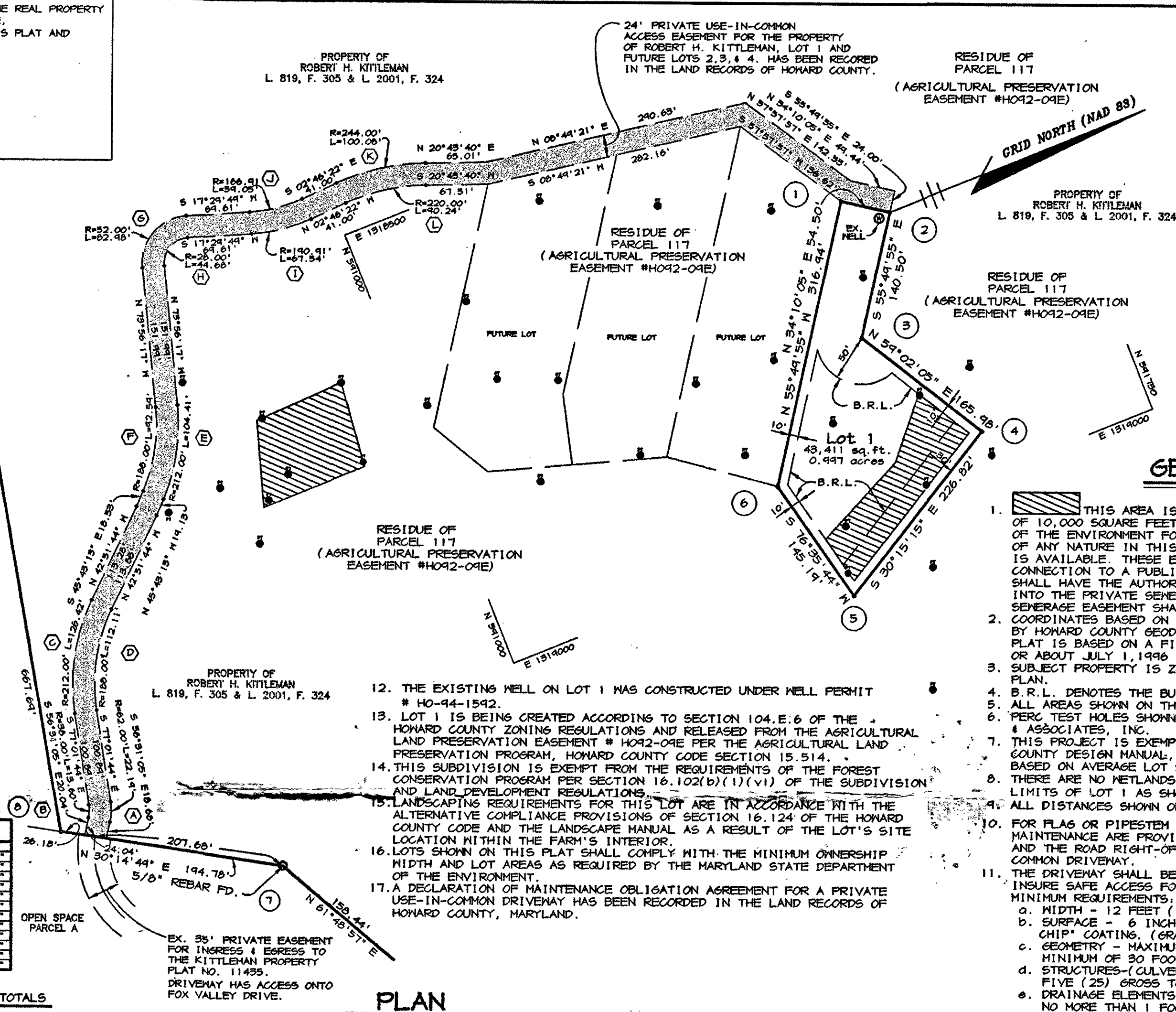
**R.H. Kittleman** 10/5/98  
 ROBERT H. KITTLEMAN DATE

**Arthur E. Muegge** 10-5-98  
 ARTHUR E. MUEGGE #10751 DATE

COORDINATE LIST		
NO.	NORTH	EAST
1	591516.285	1318664.806
2	591561.378	1318695.415
3	591482.470	1318811.664
4	591567.871	1318953.990
5	591371.442	1319068.271
6	591338.204	1318927.041
7	590684.518	1319113.713
8	590472.874	1318990.300

PROPERTY OF  
 JOHN G. SHIMORUN, ET. AL  
 L 829, F. 400  
 ZONED RC-DEO

S 78°01'31" E



**PLAN**  
 SCALE: 1" = 100'

**LEGEND**

- - DENOTES 4" X 4" X 36" CONCRETE MONUMENT SET
- - DENOTES 5/8" Ø IRON PIN SET
- ⊙ - DENOTES THE LOCATION OF THE PERC HOLES AS LOCATED BY RIEMER MUEGGE & ASSOCIATES, INC.

CURVE DATA						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
A	62.00'	22.14'	11.22'	22.09'	S 65°40'24" E	20°50'34"
B	38.00'	15.60'	6.86'	15.53'	N 66°46'24" N	20°50'34"
C	212.00'	126.42'	65.15'	124.56'	N 54°56'44" N	84°10'00"
D	188.00'	112.11'	57.78'	110.45'	S 54°56'44" E	84°10'00"
E	212.00'	104.41'	53.24'	103.36'	S 54°44'45" E	28°19'04"
F	188.00'	92.54'	41.25'	91.66'	N 54°44'45" N	28°19'04"
G	52.00'	22.98'	11.49'	22.92'	N 28°12'14" N	41°26'06"
H	28.00'	11.49'	5.74'	11.49'	S 28°12'14" E	41°26'06"
I	188.00'	67.54'	33.77'	67.14'	S 07°21'43" N	20°16'10"
J	188.00'	54.05'	27.02'	53.74'	N 07°21'43" E	20°16'10"
K	244.00'	102.08'	51.04'	99.30'	N 08°58'54" E	23°50'02"
L	220.00'	90.24'	45.12'	88.60'	S 08°58'54" N	23°50'02"

TOTAL TABULATION THIS SUBMISSION	TOTALS
1. TOTAL NUMBER OF LOTS TO BE RECORDED:	1
BUILDABLE	1
OPEN SPACE	0
2. TOTAL AREA OF LOTS:	0.997 AC.
BUILDABLE	0.997 AC.
TOTAL OPEN SPACE	0.000 AC.
AREA OF RECREATION OPEN SPACE	0.000 AC.
TOTAL AREA OF 100 YEAR FLOODPLAIN	0.000 AC.
3. TOTAL AREA OF RIGHT-OF-WAY TO BE RECORDED INCLUDING WIDENING STRIPS:	0.000 AC.
4. TOTAL AREA OF THIS SUBMISSION TO BE RECORDED:	0.997 AC.

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, IN CONFORMANCE WITH THE MASTER PLAN OF WATER AND SEWERAGE FOR HOWARD COUNTY.

**Joyce M. Boyd** 10-16-98  
 HOWARD COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

**Arthur E. Muegge** 10/21/98  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

**Arthur E. Muegge** 10/21/98  
 DIRECTOR DATE

**SURVEYOR'S CERTIFICATE**

I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT; THAT IT IS A SUBDIVISION OF PART OF THE LANDS CONVEYED BY ROBERT H. KITTLEMAN AND PATRICIA LEE KITTLEMAN TO ROBERT H. KITTLEMAN BY DEED DATED APRIL 20, 1977 AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN LIBER 819 AT FOLIO 305 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.

**Arthur E. Muegge** 10-5-98  
 ARTHUR E. MUEGGE #10751 DATE



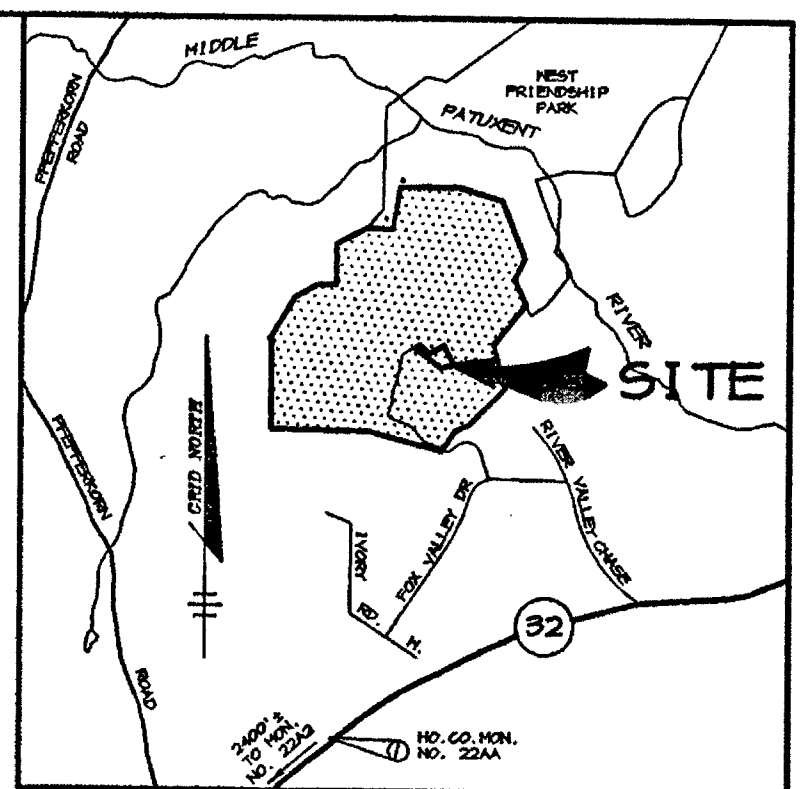
**OWNER'S CERTIFICATE**

I, ROBERT H. KITTLEMAN, OWNER OF THE PROPERTY SHOWN AND DESCRIBED HEREON, HEREBY ADOPT THIS PLAN OF SUBDIVISION, AND IN CONSIDERATION OF THE APPROVAL OF THIS PLAT BY THE DEPARTMENT OF PLANNING AND ZONING ESTABLISH THE MINIMUM BUILDING RESTRICTION LINES, ALL EASEMENTS OF RIGHTS-OF-WAY AFFECTING THE PROPERTY ARE INCLUDED IN THIS PLAN OF SUBDIVISION.

WITNESS MY/OUR HANDS THIS 5 DAY OF Dec. 1998.

**R.H. Kittleman**  
 ROBERT H. KITTLEMAN

**Charles J. Poir** 10-5-98  
 ATTEST DATE



**VICINITY MAP**  
 SCALE: 1" = 2000'

**GENERAL NOTES**

- THIS AREA IS DESIGNATED AS A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWERAGE EASEMENTS. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
- COORDINATES BASED ON NAD '83, MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 22A2 AND 22AA. THIS PLAT IS BASED ON A FIELD RUN MONUMENTED BOUNDARY SURVEY PERFORMED ON OR ABOUT JULY 1, 1996 BY RIEMER MUEGGE & ASSOCIATES, INC.
- SUBJECT PROPERTY IS ZONED RC-DEO AS PER 10-18-93 COMPREHENSIVE ZONING PLAN.
- B.R.L. DENOTES THE BUILDING RESTRICTION LINE.
- ALL AREAS SHOWN ON THIS PLAT ARE MORE OR LESS.
- PERC TEST HOLES SHOWN HEREON HAVE BEEN FIELD LOCATED BY RIEMER MUEGGE & ASSOCIATES, INC.
- THIS PROJECT IS EXEMPT FROM STORMWATER MANAGEMENT UNDER THE HOWARD COUNTY DESIGN MANUAL, VOL. 1, PARAGRAPH 5.1.2.B.4. THIS EXEMPTION IS BASED ON AVERAGE LOT SIZE OF 3.8 ACRES AND NO PROPOSED PUBLIC ROADS.
- THERE ARE NO WETLANDS OR FLOODPLAIN LIMITS LOCATED WITHIN THE LIMITS OF LOT 1 AS SHOWN ON THIS PLAT.
- ALL DISTANCES SHOWN ON THIS PLAT ARE GRID DISTANCES.
- 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 AND NOT TO THE FLAG, PIPESTEM OR USE-IN-COMMON DRIVEWAY.
- THE DRIVEWAY SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
  - WIDTH - 12 FEET (14 FEET IF SERVING MORE THAN ONE RESIDENCE).
  - SURFACE - 6 INCHES OF COMPACTED "CRUSHER RUN" BASE WITH "TAR AND CHIP" COATINGS. (GRAVEL ONLY IS ACCEPTABLE IF SERVING ONLY ONE HOUSE)
  - GEOMETRY - MAXIMUM 15% GRADE. MAXIMUM 10% GRADE CHANGE AND MINIMUM OF 30 FOOT TURNING RADIUS.
  - STRUCTURES-(CULVERTS AND BRIDGES) CAPABLE OF SUPPORTING TWENTY-FIVE (25) GROSS TONS (H-25 LOADING).
  - DRAINAGE ELEMENTS-CAPABLE OF SAFELY PASSING 100 YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE.
  - STRUCTURE CLEARANCE-MINIMUM 12 FEET.
  - MAINTENANCE-SUFFICIENT TO INSURE ALL WEATHER USE.
  - HOUSE NUMBERING-WHERE ONE (1) DRIVEWAY SERVES MORE THAN (1) LOT (COMMON DRIVEWAYS), A HOUSE NUMBER SIGN MUST BE PLACED AT EACH LOT ENTRANCE AND A RANGE OF STREET ADDRESS HOUSE NUMBERS SIGN WHERE THE COMMON DRIVEWAY INTERSECTS WITH THE MAIN ROAD.

ENGINEER  
**RIEMER MUEGGE & ASSOCIATES, INC.**  
 ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING SURVEYING  
 8815 Centre Park Drive, Columbia, Maryland 21045  
 tel 410.997.8900 fax 410.997.9282

RECORDED AS PLAT NUMBER 13357  
 ON OCTOBER 22, 1998 AMONG THE  
 LAND RECORDS OF HOWARD COUNTY, MARYLAND.

- signed -  
**KITTLEMAN PROPERTY**  
 LOT 1

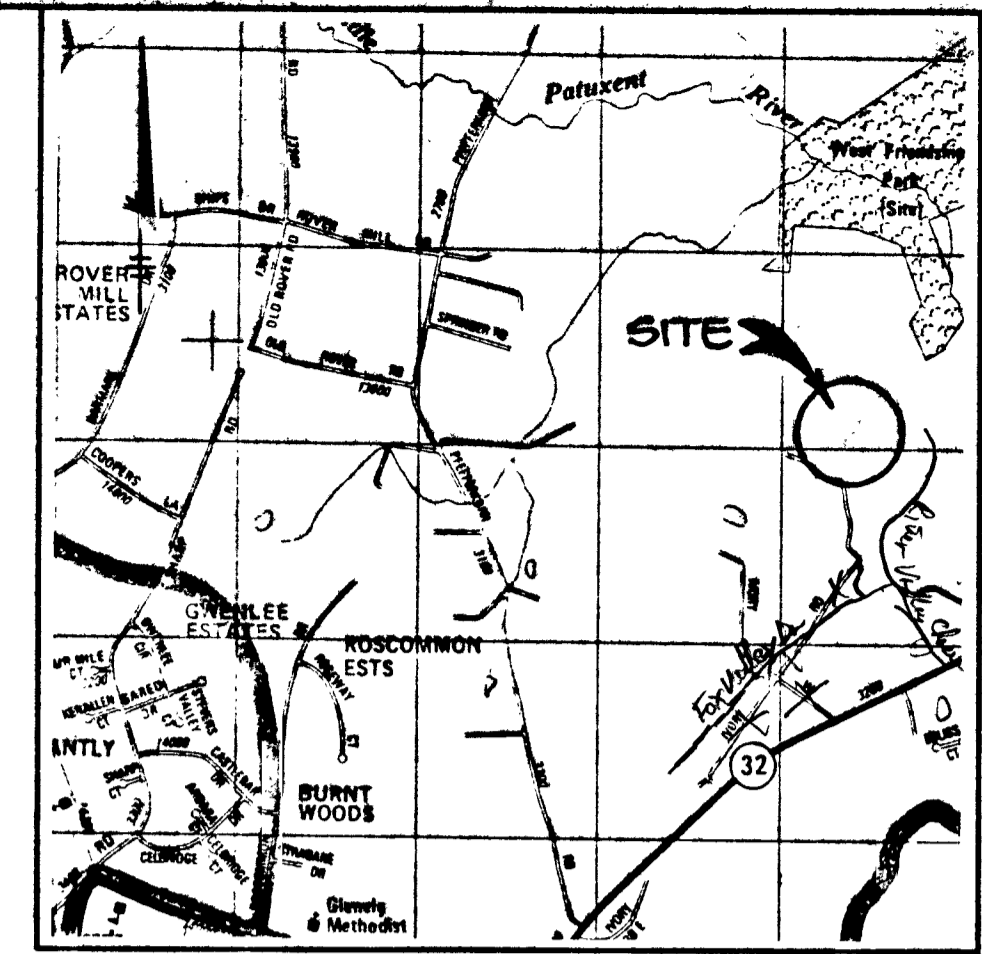
3rd ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 TAX MAP NO. 15 BLOCK NO. 14, 15, 20421 PARCEL 117  
 ZONING RC-DEO  
 SCALE: AS SHOWN DATE: 10-01-98 SHEET 1 OF 1  
 M:\PROJECT\SURVEY2\96033\PLAT1.DWG

**SOILS**

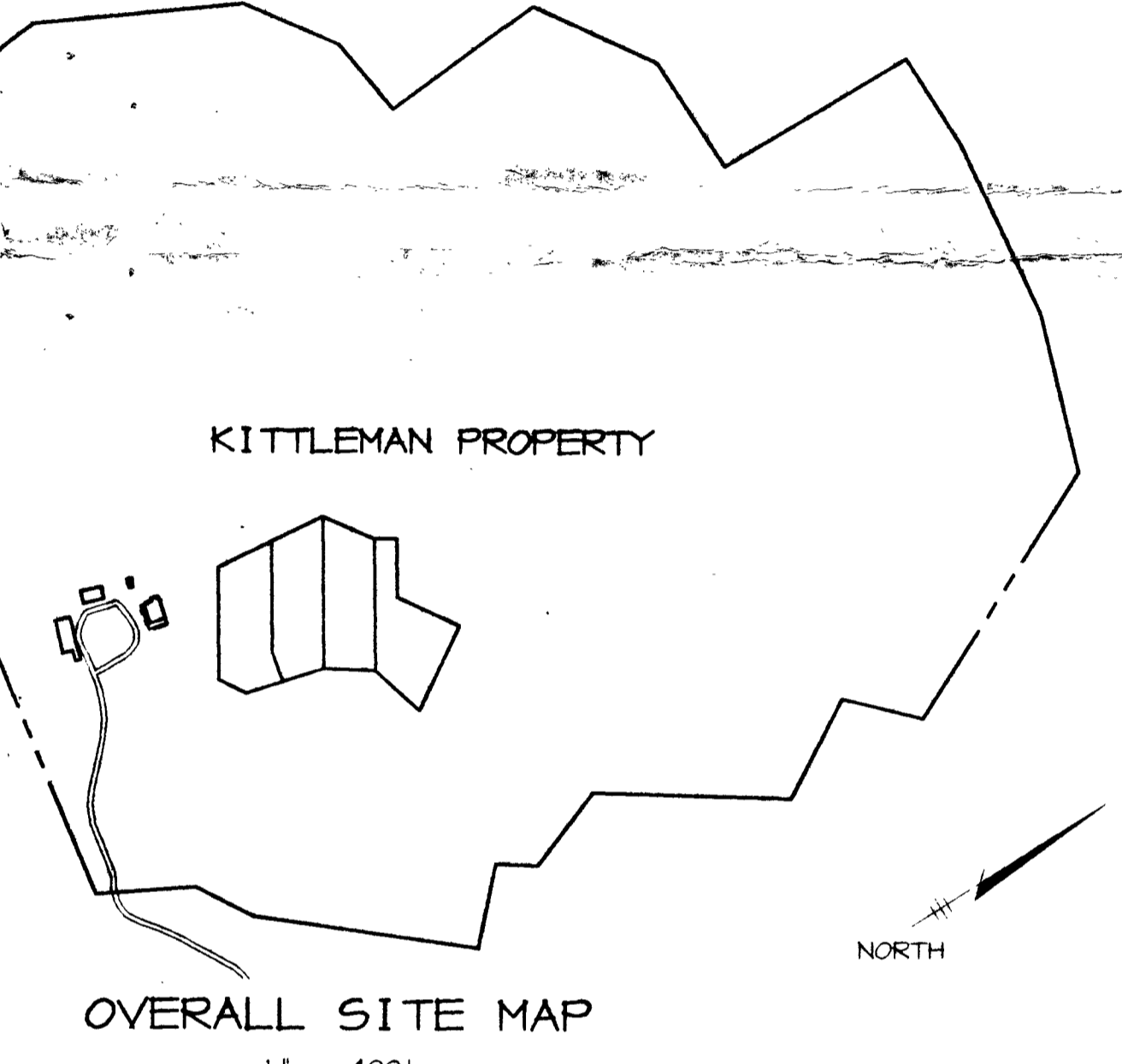
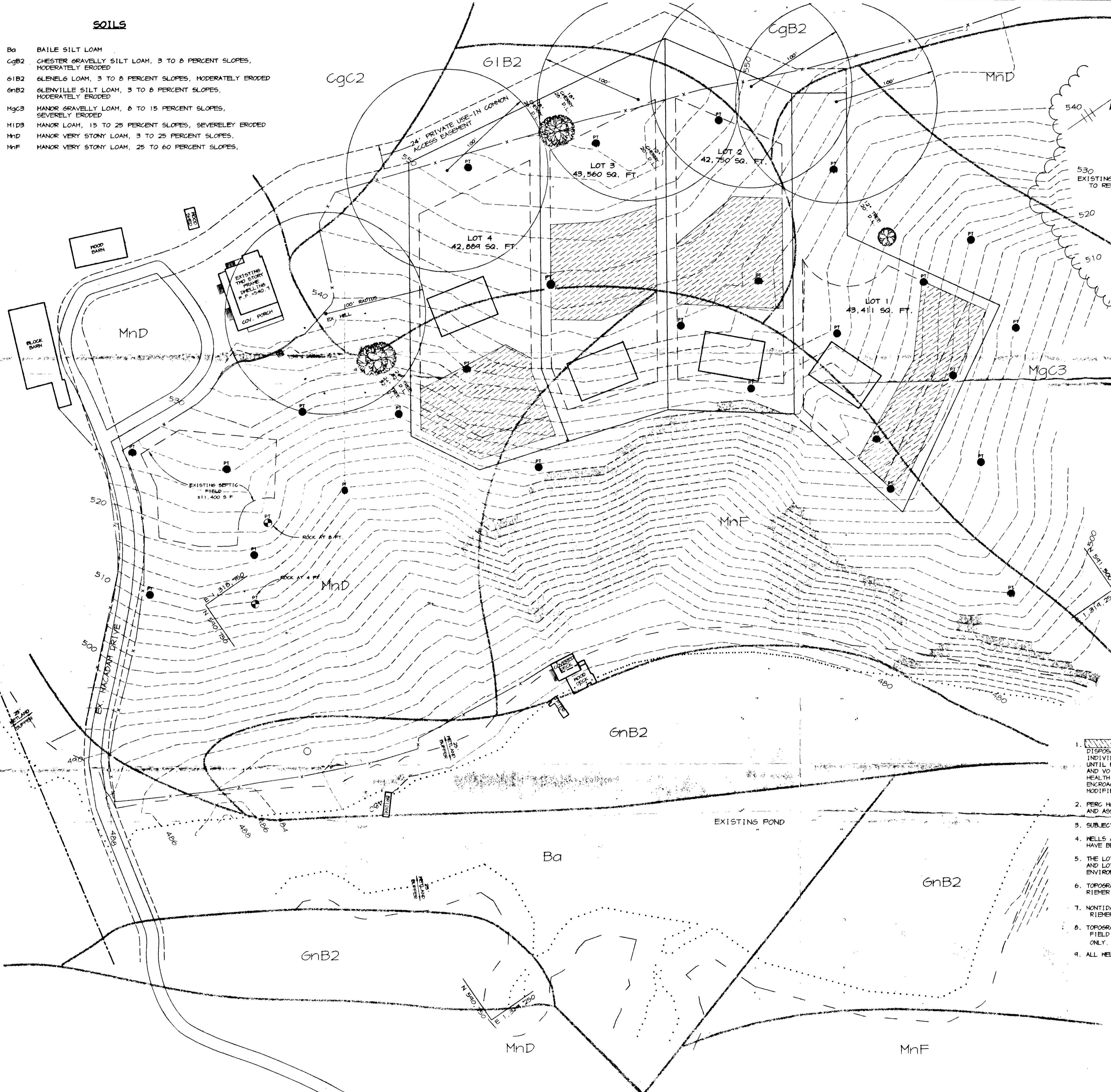
- Ba BAILE SILT LOAM
- CgB2 CHESTER GRAVELLY SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
- G1B2 GLENELG LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
- GnB2 GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
- MgC3 MANOR GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED
- M1D3 MANOR LOAM, 15 TO 25 PERCENT SLOPES, SEVERELY ERODED
- MnD MANOR VERY STONY LOAM, 3 TO 25 PERCENT SLOPES
- MnF MANOR VERY STONY LOAM, 25 TO 60 PERCENT SLOPES

**LEGEND**

- PT PERC TEST PASSED
- PT PERC TEST FAILED
- PROPOSED WELL
- EXISTING TREELINE
- NONTIDAL WETLANDS & 25' BUFFER
- EXISTING FENCELINE
- PROPOSED SEPTIC FIELD
- BUILDING RESTRICTION LINE
- 25% SLOPE OR GREATER



VICINITY MAP  
SCALE: 1" = 2000'



OVERALL SITE MAP  
1" = 400'

**GENERAL NOTES**

1. THIS AREA DESIGNATES A MINIMUM 10,000 SQ. FT. PRIVATE SEWAGE DISPOSAL EASEMENT AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWER 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 PLAT SHALL NOT BE NECESSARY.
2. PERC HOLES SHOWN HEREON HAVE BEEN FIELD LOCATED BY RIEMER MUEGGE AND ASSOCIATES, INC. JUNE 1997.
3. SUBJECT PROPERTY IS ZONED 'RC'.
4. WELLS AND SEPTIC SYSTEMS WITHIN 100 FEET OF THE PROPERTY BOUNDARY HAVE BEEN SHOWN TO THE BEST OF OUR KNOWLEDGE AND INFORMATION.
5. THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
6. TOPOGRAPHY SHOWN HEREON HAS BEEN FIELD SURVEYED BY RIEMER MUEGGE & ASSOCIATES, INC. DATE OF SURVEY, JUNE 1996.
7. NONTIDAL WETLAND FIELD DELINEATED BY RIEMER MUEGGE & ASSOCIATES, INC.
8. TOPOGRAPHY, WETLANDS AND EXISTING SITE INFO. FIELD LOCATED IN PROPOSED AREA OF DEVELOPMENT ONLY.
9. ALL WELLS TO BE DRILLED PRIOR TO FINAL PLAT RECORDATION.

DATE	NO.	REVISION
OWNER / DEVELOPER		
MR. & MRS. ROBERT H. KITTLEMAN 3104 FOX VALLEY DRIVE WEST FRIENDSHIP, MARYLAND 21144		
PROJECT KITTLEMAN PROPERTY LOTS 1-4		
AREA TAX MAP NO. 15 PARCEL 117 3RD ELECTION DISTRICT HOWARD COUNTY, MARYLAND		
TITLE PERCOLATION CERTIFICATION PLAN		

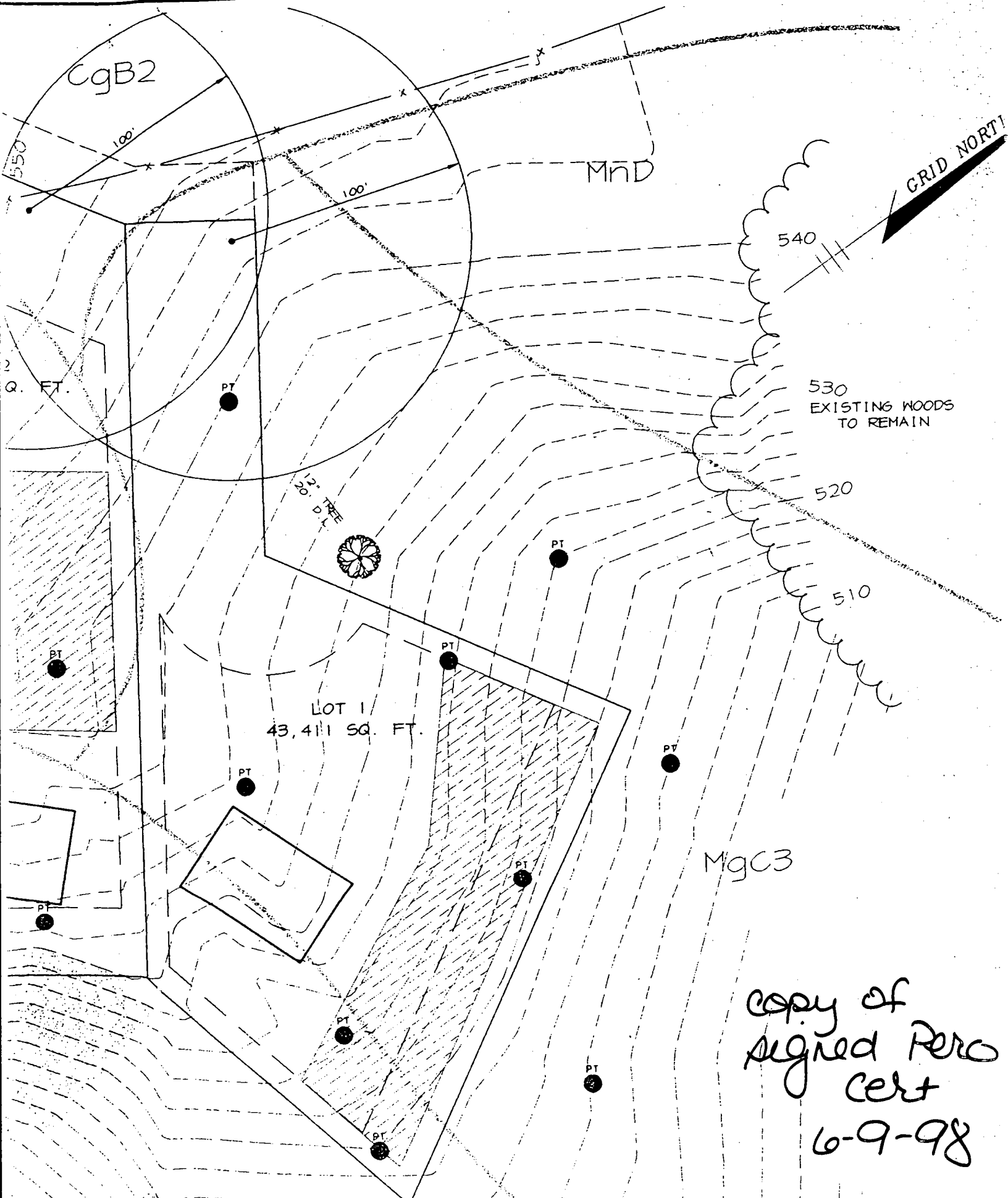
**RIEMER MUEGGE & ASSOCIATES, INC.**  
ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING  
8818 Centre Park Drive, Columbia, Maryland 21045  
tel 410.997.8900 fax 410.997.9282

DATE	DESIGNED BY :
	JH
DATE	DRAWN BY :
	JH
DATE	PROJECT NO. :
	96033 LOT4PERK.DWG
DATE	DATE :
	APRIL 23, 1998
SCALE	SCALE :
	1" = 50'
DRAWING NO.	DRAWING NO. :
	1 OF 1

APPROVED : FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS BY THE HOWARD COUNTY HEALTH DEPARTMENT  
*Joyce M. Boyd* M.D. 6-9-98  
HOWARD COUNTY HEALTH OFFICER DATE

PROJECT 96033.LOT 4 PERK Thu Apr 23 14:12:20 1998 RIEMER MUEGGE & ASSOCIATES, INC.





CgB2

MND

GRID NORTH

540

530  
EXISTING WOODS  
TO REMAIN

520

510

LOT 1  
43,411 SQ. FT.

MgC3

copy of  
signed Perc  
cert  
6-9-98

PT

PT

PT

PT

PT

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PT

PT

PT

PT

C1 4149

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

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

FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE

COUNTY NUMBER

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED 07 02 98

Depth of Well 400 (TO NEAREST FOOT)

PERMIT NO. FROM PERMIT TO DRILL WELL HO-94-1592

OWNER RITTLEMAN ROBERT STREET OR RFD Fox Valley Dr TOWN West Friendship SUBDIVISION Rittleman Property SECTION LOT 1

WELL LOG

Not required for driven wells

GROUTING RECORD

WELL HAS BEEN GROUTED (Y) (N) TYPE OF GROUTING MATERIAL (C) (M) (B) (C) NO. OF BAGS 22 NO. OF POUNDS 2200 GALLONS OF WATER 110 DEPTH OF GROUT SEAL (to nearest foot) from 0 to 77 ft.

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 6 PUMPING RATE (gal. per min.) 2 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 45 ft. WHEN PUMPING 167 ft. TYPE OF PUMP USED (for test) S submersible

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 include Top Soil, Shaley Clay, Sand Stone, Mica, Sand Stone, Mica, Sand Stone, Mica.

CASING RECORD (S) (T) (C) (O) (P) (L) (O) (T) STEEL CONCRETE PLASTIC OTHER

MAIN CASING TYPE (S) (T) Nominal diameter top (main) casing 6 inch Total depth of main casing 80 (nearest foot)

OTHER CASING (if used) diameter inch depth (feet) from to

SCREEN RECORD (S) (T) (B) (R) (H) (O) (P) (L) (O) (T) STEEL BRASS BRONZE PLASTIC OPEN HOLE OTHER

DEPTH (nearest ft.) 400 76 15 17 21 23 24 26 30 32 36 38 39 41 45 47 51 SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) 56 60

PUMP INSTALLED

DRILLER WILL INSTALL PUMP YES (NO) IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED (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 (nearest foot) 2 (50 51)

NUMBER OF UNSUCCESSFUL WELLS: WELL HYDROFRACTURED (Y) (N) 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

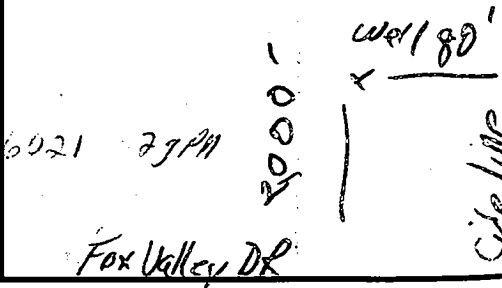
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS LIC. NO. 1 MWD 040 DRIVER'S SIGNATURE George F. Esterling LIC. NO. 1 MWD 501 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) (E.F.O.S.)

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)



COUNTY

B 1	<b>2432</b>	SEQUENCE NO. (MDE USE ONLY)	<b>STATE OF MARYLAND PERMIT TO DRILL WELL</b> please print or type	STATE PERMIT NUMBER <b>HO-94-1592</b> <small>fill in this form completely</small>
Date Received (APA) <b>01/28/98</b>		OWNER INFORMATION: <b>RN 7358</b>		
Date Received (APA) <b>01/28/98</b>		LOCATION OF WELL		
OWNER INFORMATION: <b>RN 7358</b>		Howard 8 COUNTY		
<b>Kittleman Robert H.</b>		<b>Kittleman Property</b>		
3104 Fox Valley Drive		23 SUBDIVISION		
W. Friendship, Md. 21794		SECTION 44 46 LOT 48 50		
		<b>West Friendship</b>		
DRILLER INFORMATION		52 NEAREST TOWN		
<b>George F. Easterday</b>		MILES FROM TOWN (enter 0 if in town) <b>2</b>		
Driller's Name		73 76 77 78		
<b>L. Franklin Easterday, Inc.</b>		B 4		
Firm Name		1 2		
<b>9265 Brown Church Rd., MT. Airy, Md. 21771</b>		DIRECTION OF WELL FROM TOWN (CIRCLE BOX)		
Address		Fox Valley Dr		
Signature: <i>George F. Easterday</i>		11 NEAR WHAT ROAD		
Date: <b>1/27/98</b>		ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)		
		NORTH		
		WEST 32 EAST		
		SOUTH		
		34 2000 37		
		DISTANCE FROM ROAD		
		ENTER FT OR MI 38 39		
		TAX MAP: <b>15</b> BLK: _____ PARCEL <b>112</b>		
WELL INFORMATION		NOT TO BE FILLED IN BY DRILLER		
APPROX. PUMPING RATE (GAL. PER MIN.) <b>5</b>		HEALTH DEPARTMENT APPROVAL		
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) <b>500</b>		Howard <b>A 56382-A</b>		
		COUNTY NAME COUNTY NO.		
		STATE SIGNATURE INSERT S →		
		DATE ISSUED <b>06/17/98</b> <i>Franklin Easterday</i> <b>6/18/98</b>		
		43 MM DD YY 48 CO SIGNATURE EXP. DATE		
		NORTH GRID <b>530 0 0 0</b> EAST GRID <b>0805 0 0 0</b>		
		50 55 57 63		
USE FOR WATER (CIRCLE APPROPRIATE BOX)		SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X		
<input checked="" type="checkbox"/> HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)		SOURCES OF DRILLING WATER		
<input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)		1. wells		
<input type="checkbox"/> INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)		2.		
<input type="checkbox"/> PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE APPROVAL)		3.		
<input type="checkbox"/> TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)		WRITE THE BOX NUMBER FROM THE MAP HERE		
APPROXIMATE DEPTH OF WELL <b>300</b> FEET		E <b>800 5</b>		
APPROXIMATE DIAMETER OF WELL <b>6</b> INCH		N <b>520 530</b>		
METHOD OF DRILLING (circle one)		DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION		
<input checked="" type="checkbox"/> BORED (or Augered)		MAP 10 88		
<input type="checkbox"/> JETTED		N		
<input type="checkbox"/> JETTED & DRIVEN		Private Road		
<input checked="" type="checkbox"/> AIR-ROTARY		Fox Valley Dr		
<input type="checkbox"/> AIR-PERCussion		R+32		
<input type="checkbox"/> ROTARY (Hydraulic Rotary)		Rosemary Lane		
<input type="checkbox"/> CABLE		Lone		
<input type="checkbox"/> REVerse-ROTary				
<input type="checkbox"/> DRive-POINT				
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)				
<input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL				
<input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED				
<input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS				
<input type="checkbox"/> THIS WELL WILL DEEPEM AN EXISTING WELL				
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41				
Not to be filled in by driller (MDE OR COUNTY USE ONLY)				
APPROX. PERMIT NUMBER 54				
FORCE <b>RP</b> WRITE INITIALS IN BOX				
PERMIT No. <b>HO-94-1592</b>				
70 71 72 73 74 75 76 77 78 79				
SPECIAL CONDITIONS				
NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED -				

2/9/99  
anytime  
2:45-3:00  
a.m.

PLUMBER INSTALLING  
PUMP REPAIRS  
ONLY 267' DEPTH  
400'  
COMPL- REPORT SE 2  
with MEASURING TAP  
& REPORT BACK

HOWARD COUNTY HEALTH DEPARTMENT  
Bureau of Environmental Health  
3525-B Ellicott Mills Drive  
Ellicott City, MD 21043  
461-9833

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation  Replacement

Receipt # \_\_\_\_\_ Date \_\_\_\_\_

Name of Installer The Plumber JE U Inc. Telephone 410-931-3758

License Number 7314

Certified Well Pump Installer \_\_\_\_\_ Well Driller \_\_\_\_\_ Registered Plumber

Name of Property Owner Alan Kittleman Telephone 301-854-5812

Subdivision FOX VALLEY Lot # \_\_\_\_\_ Well Tag # H0941592

Site Address 3108 FOX VALLEY, W. FRIENDSHIP, 21794

**PUMP**

1. Type  
 a. Deep well jet \_\_\_\_\_  
 b. Shallow well jet \_\_\_\_\_  
 c. Submersible

2. Make EQUUS

3. Model # 1hp

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 vibration?  
 Torque arrestors \_\_\_\_\_ Cable guards  Other \_\_\_\_\_

**Motor**

1. Horsepower 1

2. RPM 3450

3. Voltage  
 a. 110 \_\_\_\_\_  
 b. 220

**Pitless Adapter**

1. Make Samphell #55

2. Model # P 100 55

3. Depth 3'

**Well**

Capacity 50gal

Pressure relief valve? Yes

**Piping**

1. Type 160 psi black

2. Size 1/2"

3. NSF and/or BOCA Code approved Yes

Depth of supply line 3'

**Well data**

1. Depth 400 ft.

2. Yield 2 GPM

3. Static water level \_\_\_\_\_ ft.

4. Will water supply be disinfected by installer? Yes

*2 taps*  
 Well line 3' below grade  
 Well casing 2' above "  
 2pc well cap installed  
 PVC conduit pipe " OIL TO COVER (DS)

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 2/9/99

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