

Tax ID - D3-317587

File 12/1 P.C.O. 11/28/89 @ P.C.O. 11/29/89 @ P.C.O. C.B.D. P 45208 C.B.D.

11/28/89  
11/29/89 P.M. 11/21/89 P.M.  
11/31/89 P.M.

# PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH DISTRICT 3rd

HOWARD COUNTY  
BUREAU OF ENVIRONMENTAL HEALTH  
461-9933

DATE 11/9/89

DATE SYSTEM APPROVED 12/1/89

INSPECTOR C.B.V.

INDEXED

Covey Construction IS PERMITTED TO INSTALL  ALTER

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

SUBDIVISION Hawkesfield ROAD 11794 Triadelphia Rd LOT 4

PROPERTY OWNER Ken Durst

ADDRESS \_\_\_\_\_

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 5

TRENCHES - 220 sq. ft. per bedroom with garbage disposal. Trench to be 3 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 7.5 feet below original grade. Effective area begins at 3.5 feet below original grade. 2 feet of stone below distribution pipe. 203.5

LOCATION - Beginning from the intersection of the right 650+ lot line and right 200+ lot line, place the first trench 50 feet up the right (650+) lot line and 160 feet off the same line as seen when facing the lot from Triadelphia Road. Run trenches on contour toward the right lot line.

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

\*\*\*\*\* SITE INSPECTION REQUIRED BEFORE EXCAVATION IS BEGUN.

PLANS APPROVED BY 11/28/89 House plumbing deeper than expected Craig Williams REVISED DATE 9/12/89 + 11/28/89

COVER NO WORK UNTIL INSPECTED AND APPROVED

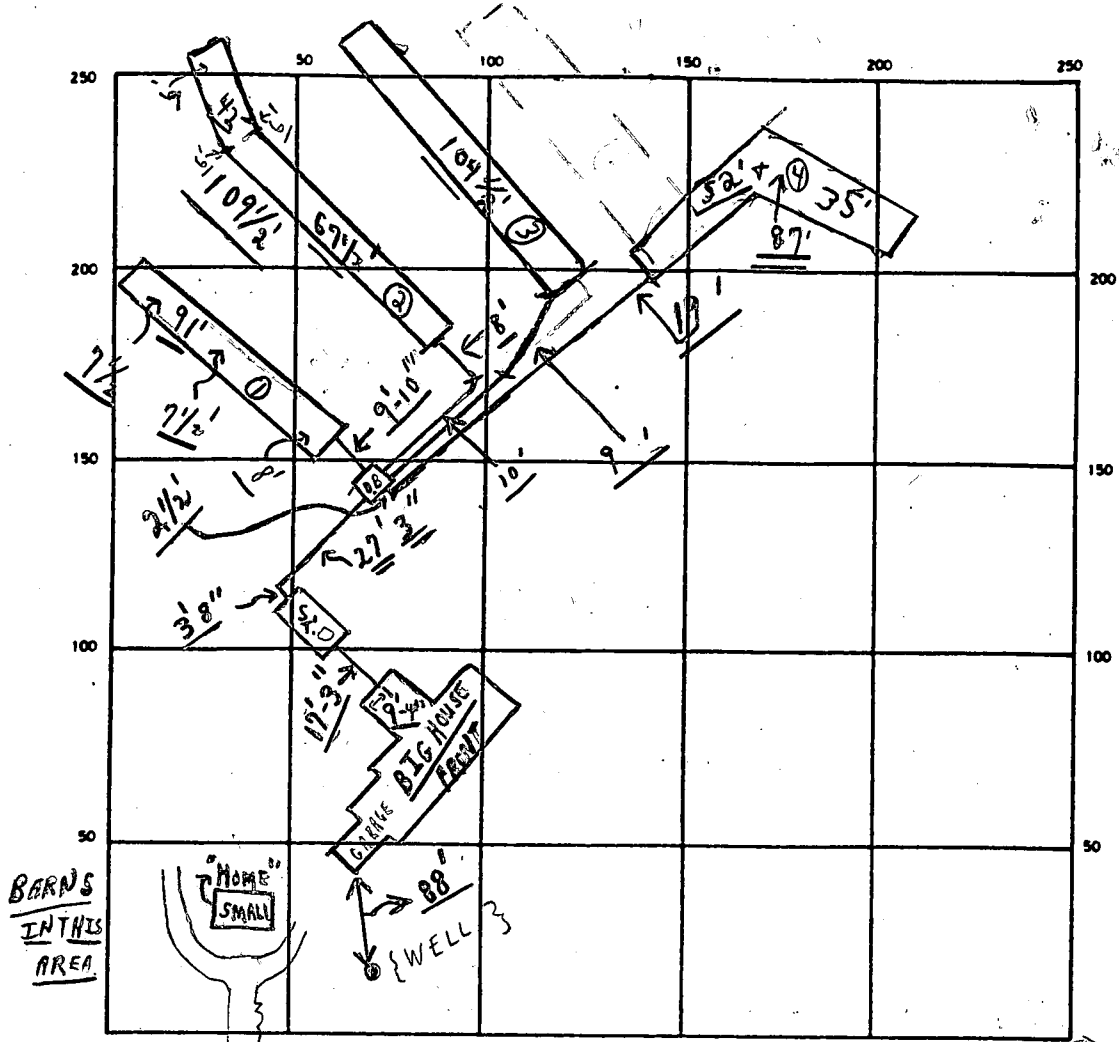
NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM

- 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

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

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

A 39708



TRIADAPLHIA ROAD

SEPTIC TANK LEVEL OK CLEANOUTS OK *S.T. { Need manholes }*

DISTRIBUTION BOX LEVEL OK (Raffles is in) RT. 144

DRAIN FIELD/TILE FIELD. DEPTH ① 7.5 avg TRENCH WIDTH 3 FT. INLET DEPTH 70 → 5.5 ② 4' ③ 4' ④ 4'

EFFECTIVE GRAVEL DEPTH ② 6' avg ③ ④ 5 1/2' avg FT. TOTAL LENGTH ① 91' } 392'

NUMBER OF TRENCHES 4 ONE TRENCH/BOTTOM AREA 1176 SQ. FT.

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

ABSORBENT AREA 1176 SQ. FT. NOTE: TREES IN AREA OF SYSTEM

REMARKS P.M. 11/28/89 Partial; ok for stone in first 90" of #① trench

- only - C.B.S. [HOLD FOR A CALL FOR 11/29/89]; NO PIPE CONNECTED

OR CEMENTED 11/28/89 11/29/89 OK TO COVER ALL WORK FROM HOUSE TO

TRENCHES. RALPH MAYNE IN 11/29 FILLED IN OLD WELL - PIT STILL OPEN

WITH COVER. OK C.B.S. KEN BUBST BLDG. AT SITE 11/29 HOLD FOR CALL -

FOR FINAL. C.B.S. 12/01/89 P.M. ALL TRENCHES ARE - OK - FINAL. C.B.S.

GAVE INSTALLER OK TO BACKFILL MIDDLE OF TRENCHES MR 11/30/89

DATE SYSTEM APPROVED 12/1/89 INSPECTOR Charles Bryan & Associates

12/1/89 A.M. - WORK IN PROGRESS C.B.S. ↑

# APPLICATION

7-5-88  
11:30 PM

PERCOLATION TESTING

A 39708

P \_\_\_\_\_

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

DISTRICT 2

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 Richard VanLanen

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

PROSPECTIVE BUYER \_\_\_\_\_

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

PROPERTY LOCATION: \_\_\_\_\_

SUBDIVISION Hammesfield LOT NO. LOT 4 Preliminary 3

ROAD AND DESCRIPTION 11794 Tradelphia Rd.

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

SIZE OF LOT \_\_\_\_\_ 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 Sedney Abel FOR ~~Shallow~~ Shallow (SIGNATURE OF APPLICANT) 7-11-88 DATE Deep to  
fields

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

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

REASONS FOR REJECTION OR HOLDING Certif. files -  
7-11-88 Plat sent for sign

BDG. PERMIT SIGNED AND RETURNED 9/1/88  
BP 21079.8Ae

HD-216

# THIS IS NOT A PERMIT

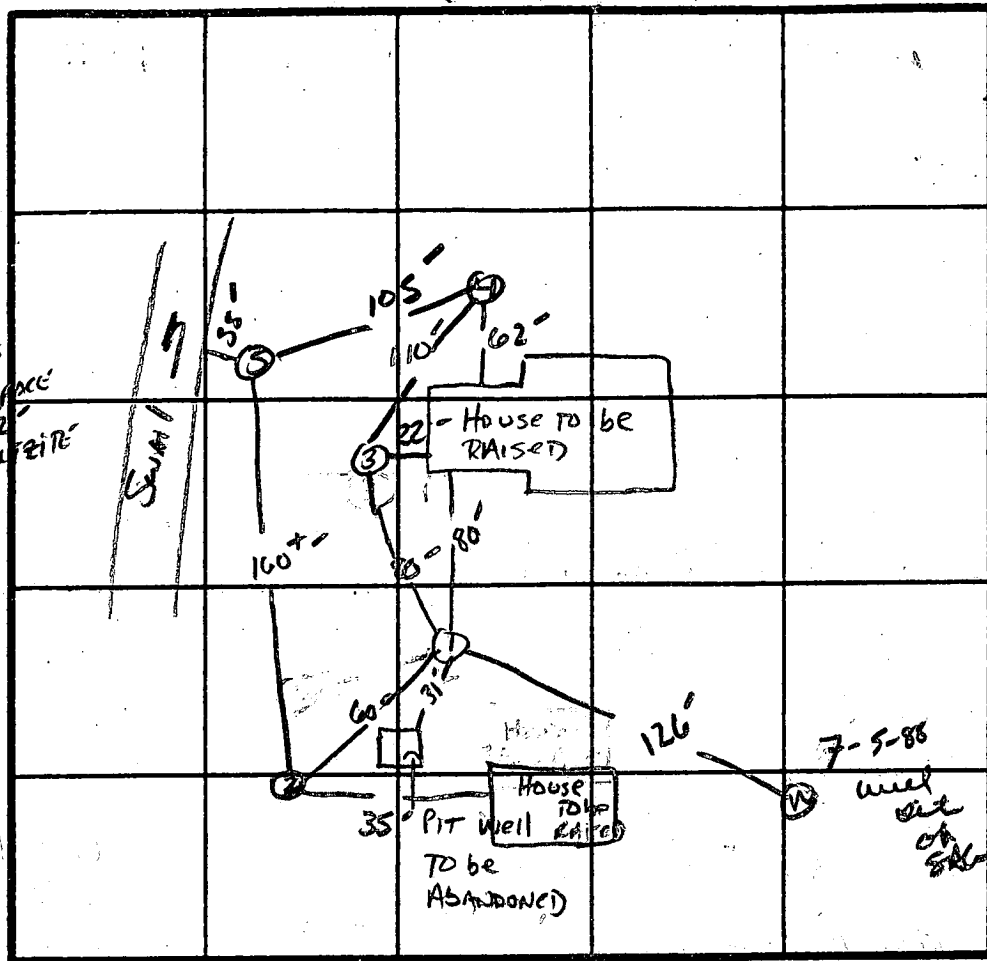
① SOIL PROFILE

0  
4"  
3"  
14.5"

A-1-3  
yell. BR  
Silty CL  
LOAM  
15% FRAGS

SP. BAND OF SURFACE TO 2' QUARTZITE

THIN CL. (BR.)  
SAND  
LOAM  
MICAEOUS  
10-15% FRAGS



X Perc 3 min  
180 #100  
Inlet 3.5'  
Bottom 5.5'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
7/5/88	1 S V	3.5' 14.5'	1:07	1:10	1:10	1:14	4 min	
	2	14.5'	SAME AS #1 w 4" CLAY					
	3 S V	5.5' 14'	1:16	1:17	1:17	1:19	2 min	
	4 S V	5.0' 13.5'	1:24	1:25:30	1:25:30	1:28	2.5 min	
	5 S V	3.5' 11'	1:37	1:39	1:39	1:41	3 min	
			HARD BOTTOM - SAND LOAM below 3" - BAND OF STRUCTURE ROCK AT 7"					

REMARKS Shallow Trench

TYPE OF SOIL Chesler

TESTED BY S. Amel ALSO PRESENT \_\_\_\_\_

# APPLICATION

PERCOLATION TESTING

A Repair  
39708  
P 39708

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

*8/13/87  
repair test OK'd  
pending plan*

DISTRICT \_\_\_\_\_

DATE 7/15/89

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 RONALD S. LANEVE

ADDRESS 11799 TRIADDELPHIA ROAD PHONE 301-531-6161  
ELLICOTT CITY, MARYLAND 21043

PROSPECTIVE BUYER \_\_\_\_\_

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

PROPERTY LOCATION: \_\_\_\_\_

SUBDIVISION \_\_\_\_\_ LOT NO. LOT 4 Preliminary  
5 EXISTING LOT

ROAD AND DESCRIPTION SOUTH OF MARYLAND ROUTE 144 AND SOUTHEAST OF  
TRIADDELPHIA ROAD

TAX MAP 16923 PARCEL # 40

SIZE OF LOT 3 ACRES TYPE BLDG SFD  
(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. R/S Laneve  
(SIGNATURE OF APPLICANT)

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

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

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

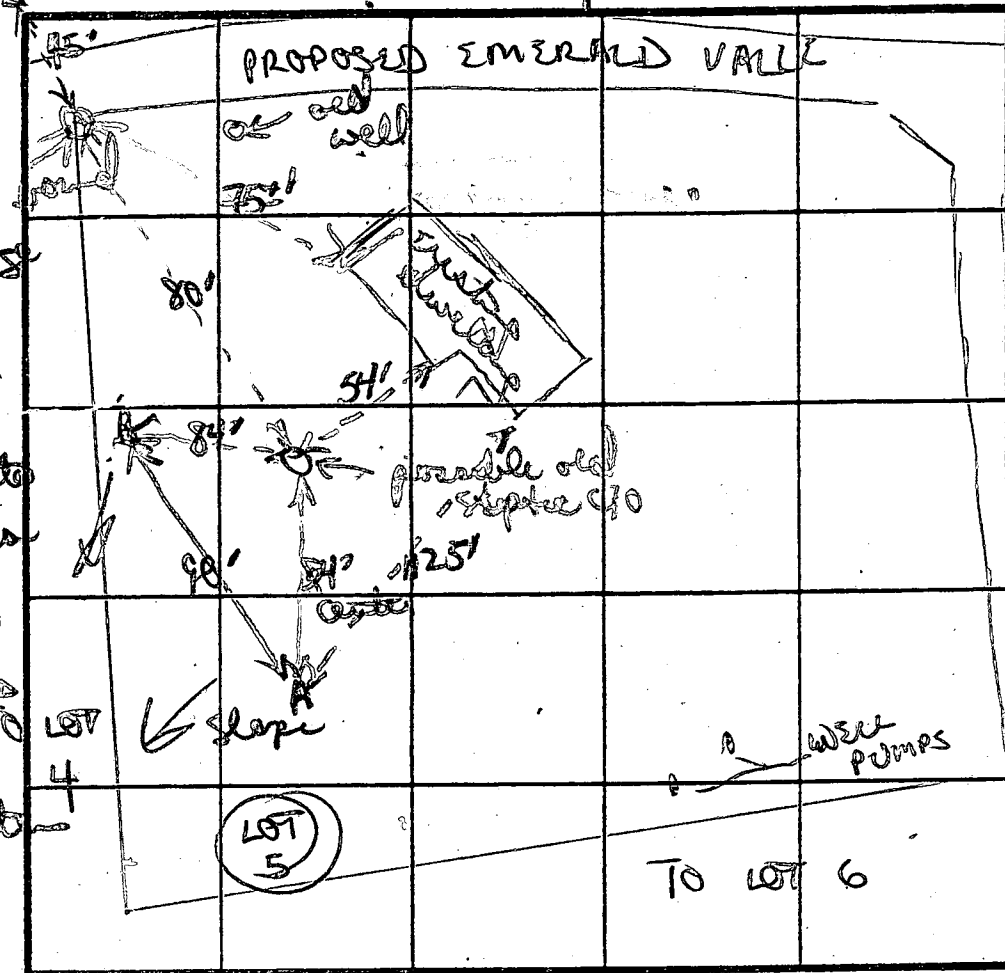
REASONS FOR REJECTION OR HOLDING field located holes, well sets

# THIS IS NOT A PERMIT

LOT 2

LOT 1

PROPOSED EMERALD VALLE



180°/BD  
 JUNE 2  
 MAX D 5'

SOIL PROFILE

0  
 brown / orange  
 clay / clay  
 loam  
 4'  
 to tan / white  
 silty mica  
 loam  
 1/2 layer  
 63% medium  
 sand TO  
 82 hard bottom

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

→  
 brown / grey  
 clay 3'  
 silty clay  
 loam 4+  
 ↓  
 grey  
 silty mica  
 ↓  
 quartz / sand  
 frags 9'  
 10'  
 hard bottom

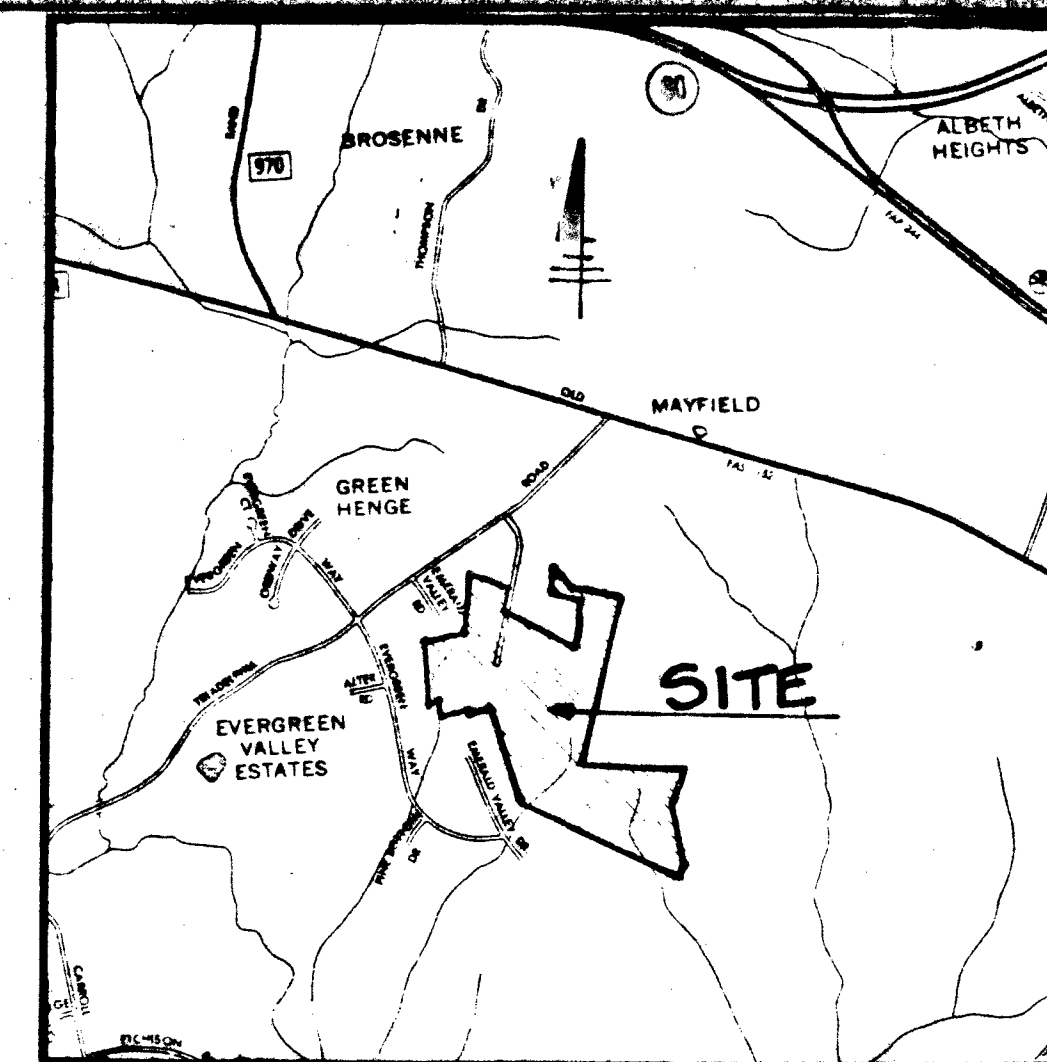
DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
8/12/22	A	3'5"	347	350	350	353	3min	
		8'5"	hard bottom					
	B	3'5"	357	358	358	400	2min	
		10'	hard bottom					

orientation of lot corner unclear  
 SHALLOW SYSTEM ONLY

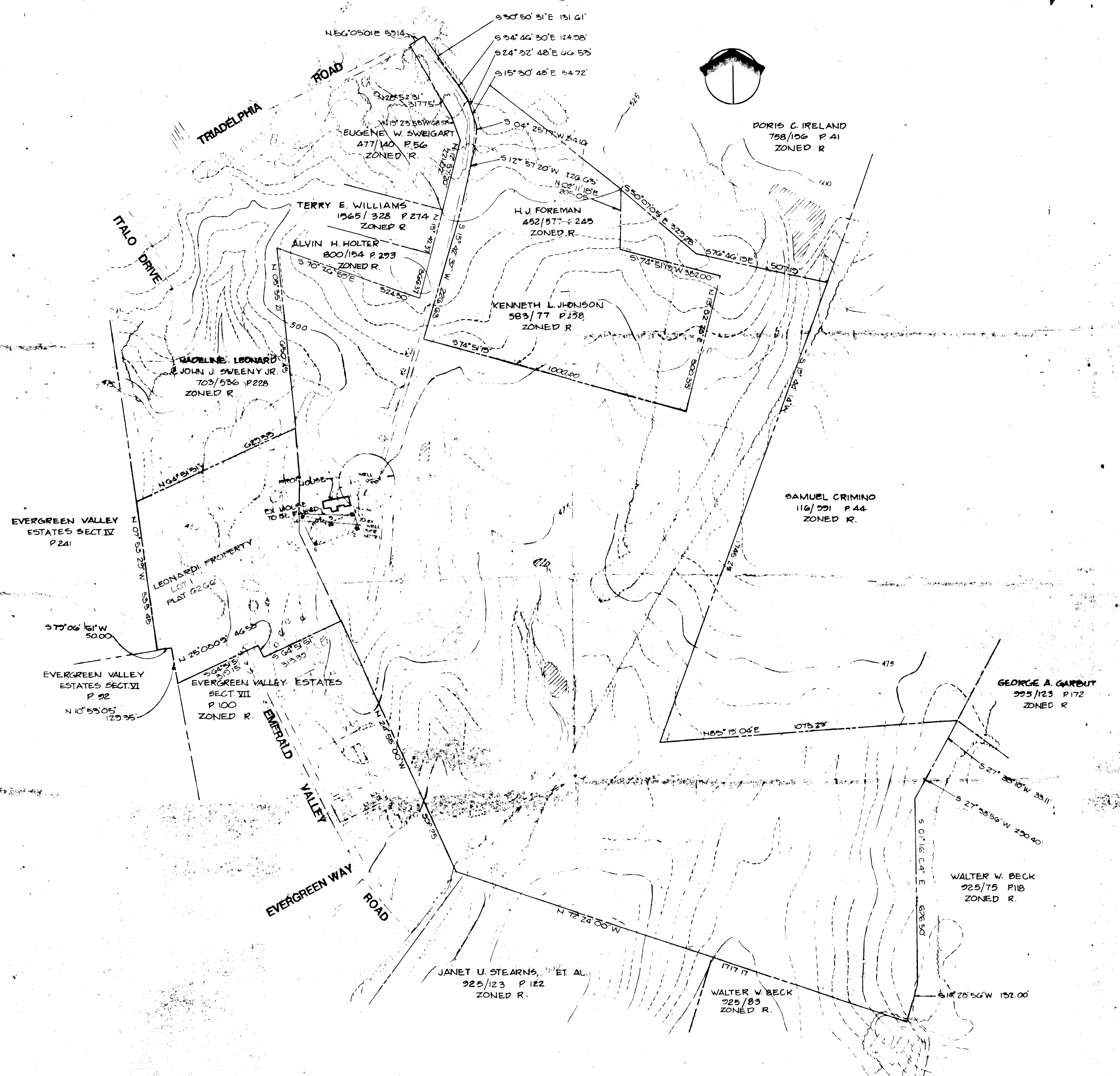
REMARKS

TYPE OF SOIL: Brown clay / silty loam 4' silty mica below  
 rock bottom

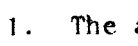

TESTED BY: B. Nijon ALSO PRESENT: March



VICINITY MAP  
SCALE 1" = 2000



NOTES:


1. The area shown thus  indicates a private sewage easement of minimum 10,000 square feet as required by the Maryland State Department of Health and Mental Hygiene for individual disposal. Improvements of any kind in this area are restricted until public sewage is available and servicing any residential structures on this site. This easement shall become null and void upon connection to a public sewage. The County Health Officer shall have the authority to grant variances to encroachments if a private sewage easement. Recordation of a modified sewage easement shall not be necessary.
2. Percolation test holes shown hereon have been field located as shown .
3. The lot shown hereon comply with the minimum ownership width and lot areas as required by the Maryland State Department of Health and Mental Hygiene.
4. Percolation areas and water wells for adjoining lots are shown where pertinent.
5. EXISTING WELL TO BE SEALED AND ABANDONED.

APPROVED: For private water and private sewerage systems

*Joseph Brock Us* 7-12-88  
COUNTY HEALTH OFFICER DATE

DATE	NO.	REVISION
OWNER/DEVELOPER LEVAN, SCHIMMEL, RICHMAN & BELMAN, P.A. 56 MR. HAMISH OBERGNE 5521 BROKEN LAND PARKWAY WOODMERE I, SUITE 400 COLUMBIA, MARYLAND 21046		
PROJECT <b>LANEVE PROPERTY</b> (TO BE SUBDIVIDED INTO HAWKFIELD ESTATES)		
AREA TAX MAP 16623 PARCELS 40 & 225 3RD ELECTION DISTRICT HOWARD COUNTY, MARYLAND		
TITLE <b>PERC TEST PLAN</b>		

**THE RIEMER GROUP, INC.**  
The Riemer Group, Inc. A Land Planning, Design & Civil Engineering Firm  
3105 North Ridge Road, Ellicott City, Maryland 21043 (301) 461-2690

7-8-85 DATE	DESIGNED BY D.B.O.
	DRAWN BY S.L.S.
<i>William S. Preece</i>	PROJECT NO 47302
	DATE 7-8-88
	SCALE AS SHOWN
	DRAWING NO. 1 OF 1

I certify the above measurements and elevations are actual & correct for this property.

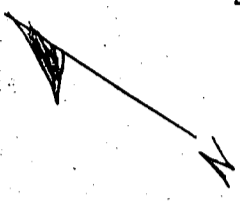
Kenneth [Signature]

Well # HD 88-0058

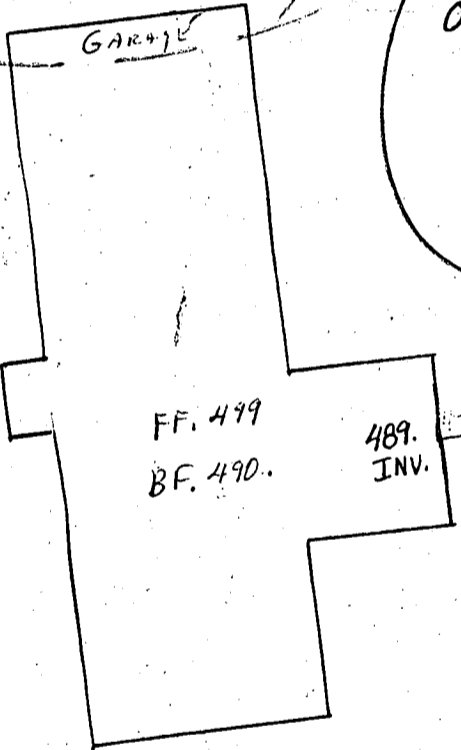
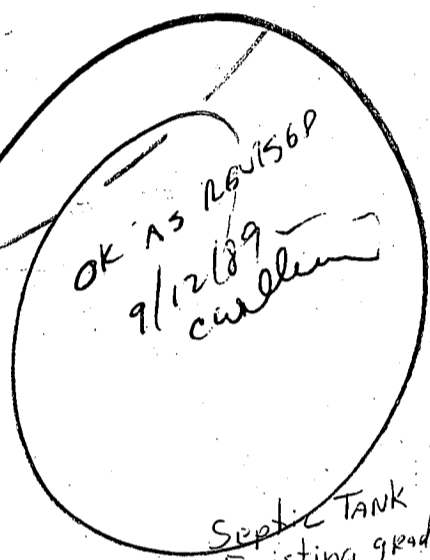
SCALE 1" = 25'

Well 501. EL.

100'



1000 sq. ft.  
10,000 sq. ft. 10/10/10/10/10



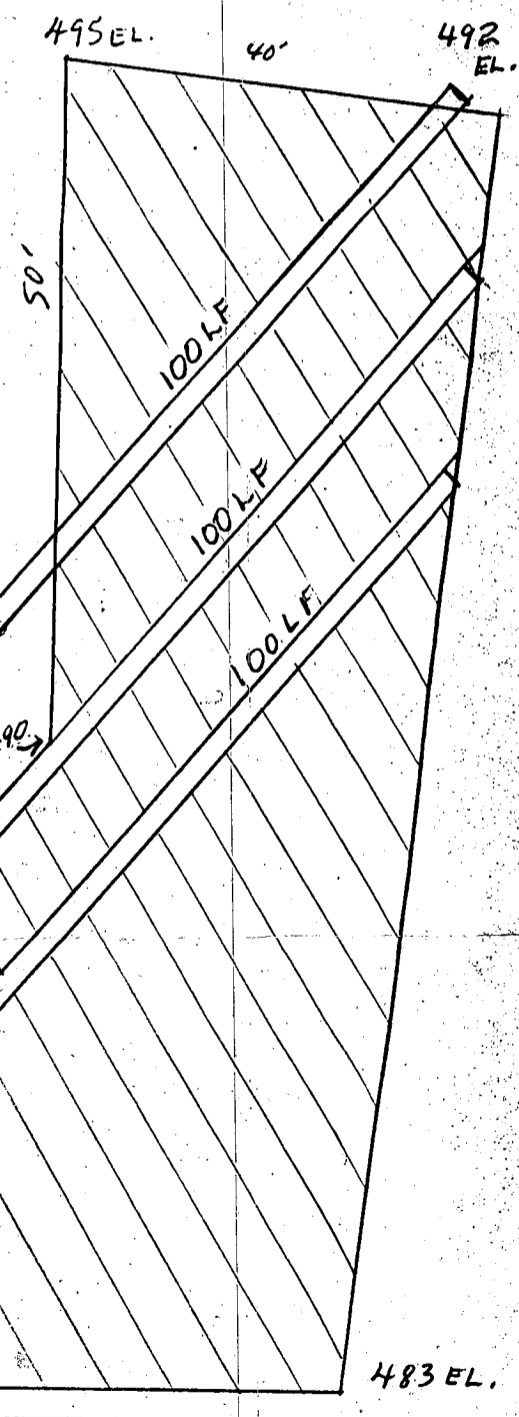
Septic Tank Existing grade 493.

488.65 INV.

16' 488.40 OUT

22' 487.80 INV.

Dist Box Existing GRADE 491.50



BRL.

485 EL.

BRL

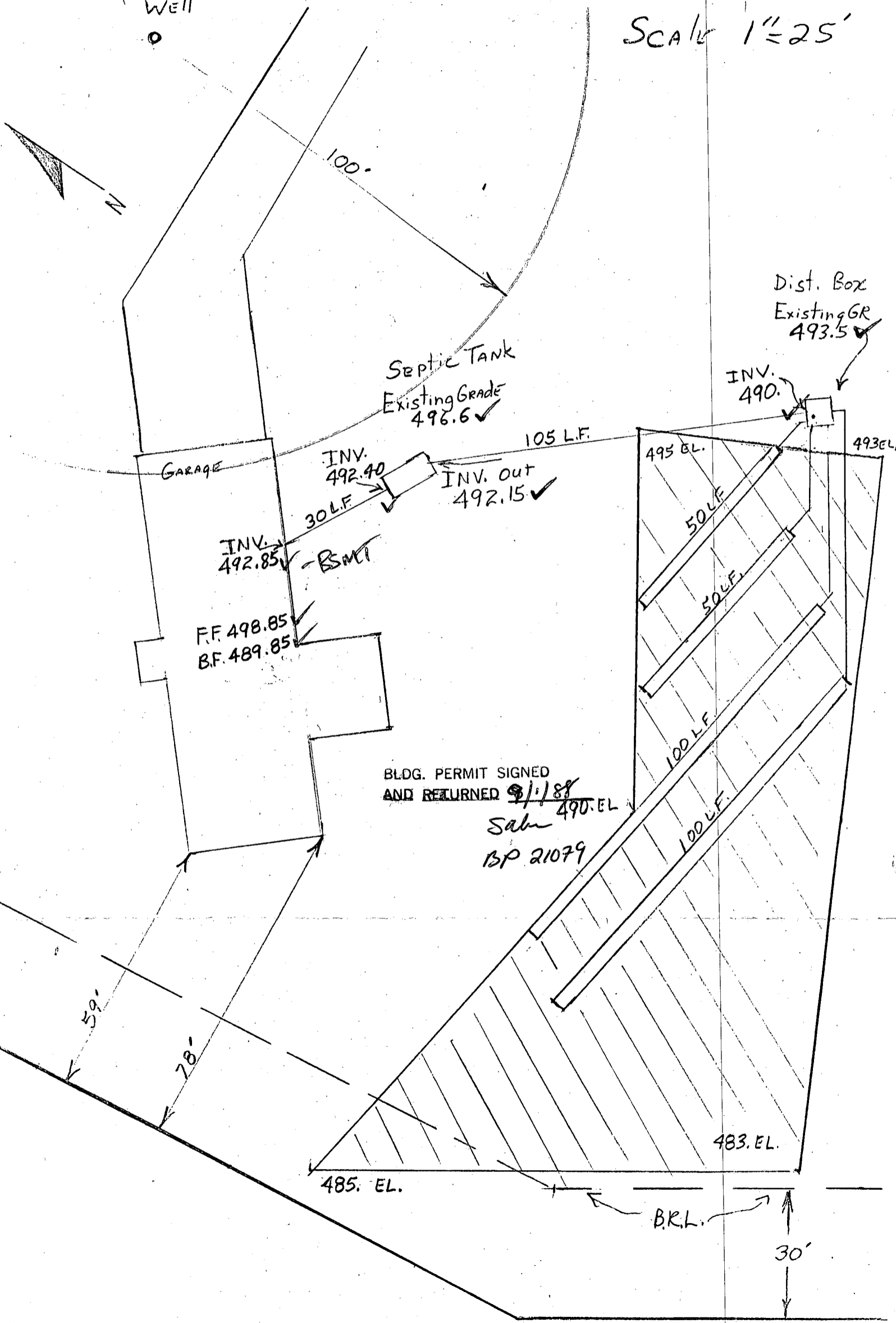
483 EL.

I certify the above measurements and elevations are actual & correct for this property.

Signed: *Kenneth Olson*

SCALE 1"=25'

501. EL  
WELL



B 1 1278 SEQUENCE NO. (DP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

please print or type

STATE PERMIT NUMBER

HO-88-0058 fill in this form completely

Date Received (APA)

071588

OWNER INFORMATION

DURSF KEN

6159 MAGORS LANE

COLUMBIA MD 21044

DRILLER INFORMATION

Joseph L. Mayne 238

Joseph L. Mayne WELL DRILLING

5512 Ridge Rd. Mt. Airy, Md. 21771

Joseph L. Mayne 7/12/88

WELL INFORMATION

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

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

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 260 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
other

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- N THIS WELL WILL NOT REPLACE AN EXISTING WELL
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 DEEPEMED AN EXISTING WELL

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

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

APPROX. PERMIT NUMBER GAP

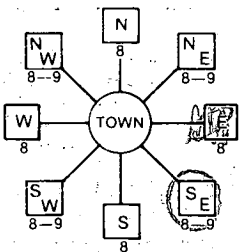
FORCE INITIALS PERMIT No. HO-88-0058

SPECIAL CONDITIONS OLD WELL TO BE ABANDONED + SEALED PRIOR TO B.P. APPROVAL

LOCATION OF WELL

HOWARD COUNTY
HAWKSFIELD ESTATES
SECTION 44 LOT 48
WEST FRIENDSHIP
MILES FROM TOWN 1.4 MI

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Emerald Valley Road NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH WEST EAST SOUTH

DISTANCE FROM ROAD 145 FT

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD (A42149-W) COUNTY NAME COUNTY NO.

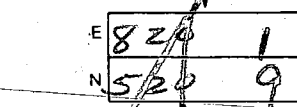
STATE SIGNATURE DATE ISSUED INSERT S

071888 B Nilon 01/18/89 CO SIGNATURE EXP. DATE

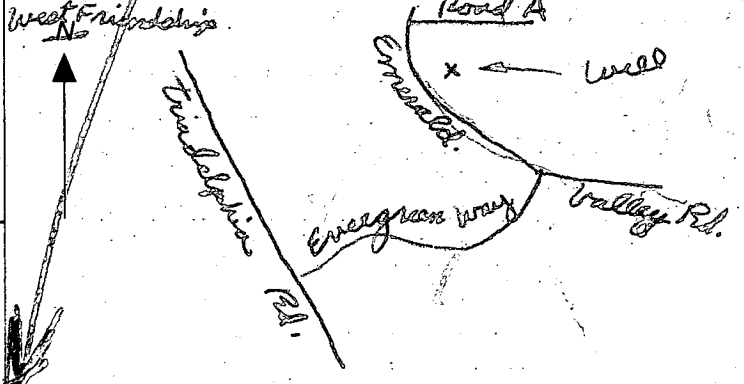
NORTH GRID 529000 EAST GRID 0821000

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

2/2/88 NEW WELL GROUTED BUT OLD WELL NOT YET ABANDONED & SEALED SEE OTHER SIDE



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



(P-7)

SMALL  
WELL

(P-7)

LARGE  
WELL



2AUG58 1059AM

- ① Well has already been grouted  
No one there
- ② 5 Bags Cement seen
- ③ EXISTING WELL HAS NOT BEEN  
ABANDONED & SEALED

RH

C1 9590

SEQUENCE NO. (DENV 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)

COUNTY NUMBER A 31708 A 42149-W

DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE RECEIVED grid

DATE WELL COMPLETED 080288

Depth of Well 225 (TO NEAREST FOOT)

PERMIT NO. HQ-88-0058

OWNER DURST KEN STREET OR RFD EMERALD VALLEY ROAD TOWN WEST FRIENDSHIP SUBDIVISION HAWKFIELD SECTION LOT 69

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), Check if water bearing. Includes entries for SAND STONE and GRAY MICACIOUS ROCK.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL CEMENT BENTONITE CLAY, NO. OF BAGS 3, NO. OF POUNDS 470.

CASING RECORD: casing types ST CO PL OT, MAIN CASING TYPE S7, Nominal diameter 6, Total depth 25.

OTHER CASING (if used) table with columns for diameter and depth.

SCREEN RECORD: screen type or open hole HO, insert appropriate code below.

DEPTH (nearest ft.) table with columns for depth measurements.

- 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 10.17.13 "WELL CONSTRUCTION"

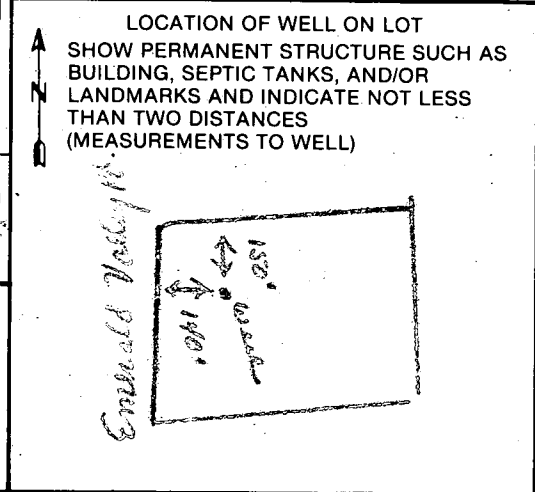
DRILLERS IDENT. NO. 238
DRILLERS SIGNATURE
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

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

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

PUMPING TEST: HOURS PUMPED 3, PUMPING RATE 6, METHOD USED TO MEASURE PUMPING RATE Air, WATER LEVEL 52, WHEN PUMPING 180, TYPE OF PUMP USED A3.

PUMP INSTALLED: DRILLER WILL INSTALL PUMP YES (NO), TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE: CAPACITY: GALLONS PER MINUTE, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT.



County