

8/3/94  
8/4/94

03-287785

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

# INDEXED

P 50967E

A 38177

DISTRICT 3rd

DATE \_\_\_\_\_

DATE SYSTEM APPROVED 6/9/95

INSPECTOR CW

#### HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~461-9933~~ 313-2640

Jack Fyock Septic Service

IS PERMITTED TO INSTALL  ALTER \_\_\_\_\_

ADDRESS 13775 Triadelphia Road, Glenelg, Maryland 21737 PHONE 988-9270

SUBDIVISION Evergreen Valley Estates LOT 1-D ROAD 3101 Emerald Valley Road

PROPERTY OWNER Michael Castellano

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS 1500 TRENCH COMPARTMENT TOP SEAM **CONDITIONAL SEPTIC SYSTEM PERMIT**

NUMBER OF BEDROOMS 4 3

225 180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 300 180

- Existing berm at property boundary to be eliminated or rendered ineffective.
- Trenches only to be installed at this time.
- "SOME" fill material over septic area; depth to permeable soils uncertain.
- All excavation to be performed while health department is on site. Trench depth to be determined in response to conditions encountered.
- Well site and house location to be determined after trenches installed. House location may require pumped septic system.

TRENCHES - Trench to be 3 feet wide. Inlet \_\_\_\_\_ feet below original grade. Bottom maximum depth 4-9 feet below original grade. Effective area begins at \_\_\_\_\_ feet below original grade. 1-3 feet of stone below distribution pipe.

LOCATION - Start first trench 120 feet from the rear lot line and 10 feet from the left lot line. Run trenches along contour toward front of property.

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

PLANS APPROVED BY C. Williams DATE 08/02/94

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.

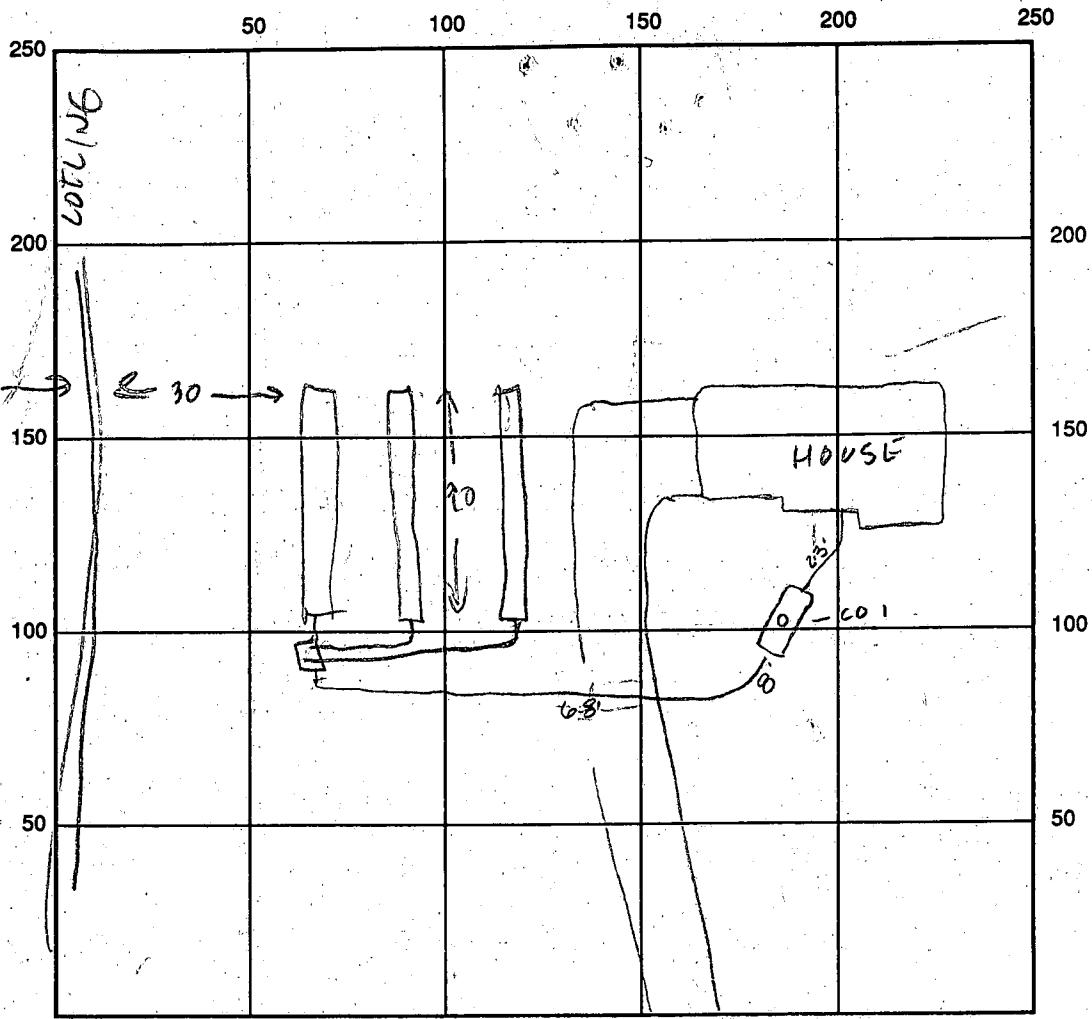
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

BLDG. PERMIT SIGNED  
AND RETURNED 7/5/95  
Serial # 58870

SFD-3 Ben

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

A 38197



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 1500 gal 2 compartment CLEANOUTS 40 #1 OK

DISTRIBUTION BOX LEVEL \_\_\_\_\_

DRAIN FIELD/TITLE DEPTH \_\_\_\_\_ FT. TRENCH WIDTH \_\_\_\_\_ FT. INLET DEPTH \_\_\_\_\_ FT.

EFFECTIVE GRAVEL DEPTH 3-4 FT. TOTAL LENGTH 180 FT.

NUMBER OF TRENCHES 3 @ 60 ONE-SIDEWALL/BOTTOM AREA 540 SQ. FT.

DRYWALL INSIDE DIAMETER \_\_\_\_\_ FT. EFFECTIVE DEPTH BELOW INLET \_\_\_\_\_ FT.

ABSORBENT AREA \_\_\_\_\_ SQ. FT.

REMARKS: 6-9-95 OK to cover all work No septic fee paid so  
no final approval until paid Ass

DATE SYSTEM APPROVED 6/9/95 INSPECTOR C. J. Williams

# APPLICATION

## PERCOLATION TESTING

A \_\_\_\_\_

P \_\_\_\_\_

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

DISTRICT \_\_\_\_\_

DATE \_\_\_\_\_

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 \_\_\_\_\_

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

AGENT OR PROSPECTIVE BUYER 96 Boender Associates \_\_\_\_\_

ADDRESS 3230 Bethesda Lane \_\_\_\_\_ PHONE \_\_\_\_\_  
Ellicott City, MD 21042

PROPERTY LOCATION:

SUBDIVISION Evergreen Valley Estates LOT NO. 1D (repare)

ROAD AND DESCRIPTION Emerald Valley Rd. @ intersection with Evergreen way

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.

(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



# APPLICATION

JOB ESCALANTE

992-2420

Repair  
12/10/86  
AFTER  
2ND

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 3P177  
P \_\_\_\_\_

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

DISTRICT \_\_\_\_\_  
DATE 12/1/86

11/17/86  
Reviewed on top access  
S. Hill

TAX MAP 23  
P 100

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 Madeline Lancellotta  
ADDRESS Jay MOTT ~~and~~ Cheryl PHONE 1-496-4943 (wife)

PROPERTY LOCATION:

SUBDIVISION Evergreen Valley Estates LOT NO. 1-D  
ROAD AND DESCRIPTION East side of Emerald Valley Way at Evergreen Way

SIZE OF LOT 2 acres ± 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]  
(SIGNATURE OF APPLICANT)

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

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

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

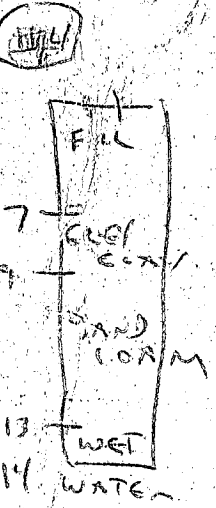
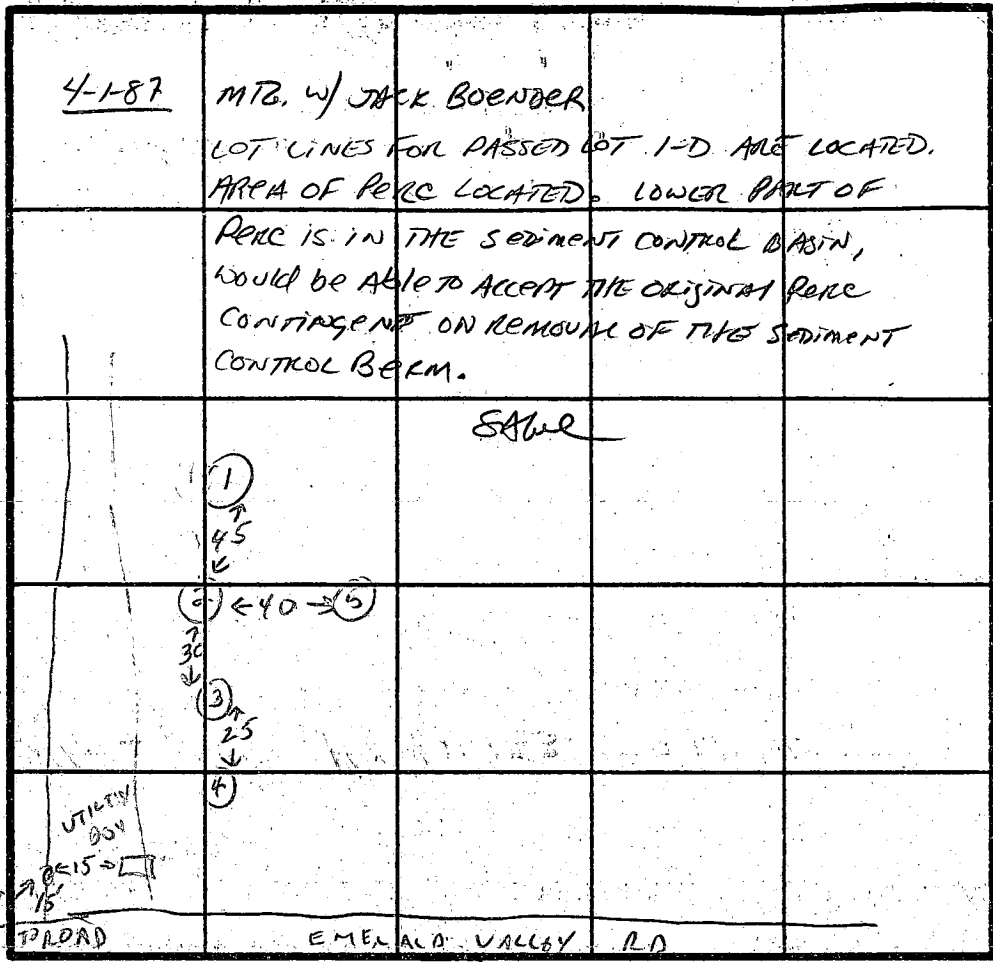
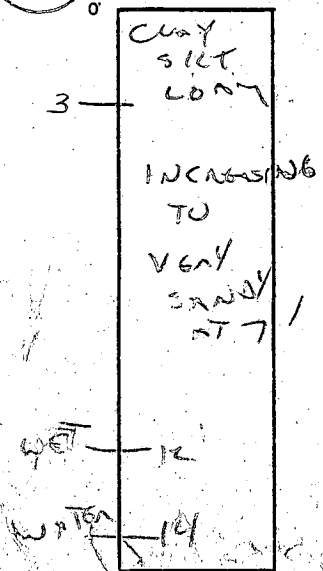
REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

# THIS IS NOT A PERMIT

#1

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8/3/99	1	VIS OK	3'	12'	(WATER RISE TO 12' AFTER 5 HRS)		
					WATER AT 14' WET AT 12' NO FILL DINT		
	2	7' FILL					
		9' GRAY CLAY AT 7' DS. ORIGINAL SOIL LINE					
	3	7' FILL (BOARDS, GRASS, METAL AT FILL LINE)					
		9' GRAY CLAY AT 7' IS ORIGINAL SOIL LINE					
	4	7' FILL					
		9' - 2' ORIGINAL CLAY LAYER - SANDY					
	5	6 1/2' FILL - TURNS TO SAND LOAM					
		10' GRAY CLAY / TOO LOW FOR SYSTEM WITH OUT WET. SEASON					
	6	14' FILL THEN GRAY CLAY					

REMARKS: LOWEST TROUGH STARTED AT HOLE 1 - BETTER VIEW OF SOIL

TYPE OF SOIL: SHOWS 3' FILL; CLAY TO 5' SANDY LOAM BELOW

TESTED BY: *CW*

ALSO PRESENT: J. BOENDER, R. FYOCK

EH-12-1079

# APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 38117  
P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES

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

DISTRICT \_\_\_\_\_

DATE 12/1/86

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 Madeline Lancellotta

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

PROPERTY LOCATION:

SUBDIVISION Evergreen Valley Estates LOT NO. 1-D

ROAD AND DESCRIPTION East side of Ererald Valley Way at Evergreen Way

SIZE OF LOT 2 acres ± 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.

Elyse Bal  
(SIGNATURE OF APPLICANT)

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

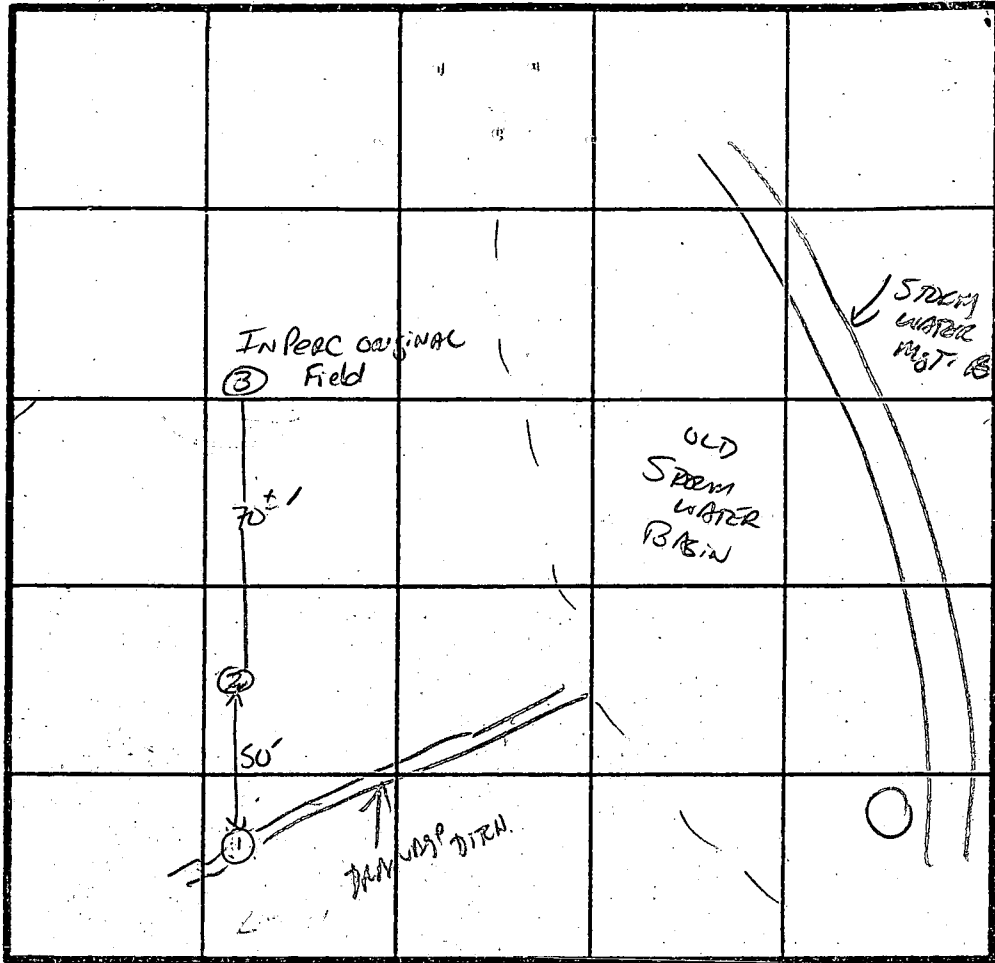
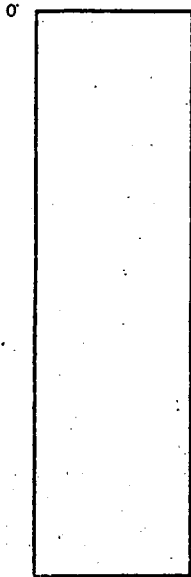
REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

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

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

# THIS IS NOT A PERMIT

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

EMERALD VALLEY WAY

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12/10/86	1V	4' Fill material to 10-10.5'			6.5-3'	CLAY THEN SAND	
	2V	10.5' Fill material to 10.5'					
	3V	Fill material to 5' 71-3/CLAY TO 8.5'				SANDY LOAM below	

REMARKS LOT HAS BEEN SEVERELY ALTERED SINCE ORIGINAL PERC / MORE FILL HAS BEEN ADDED AND STORM WATER BASIN STILL IN PLACE. S. Above

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

TESTED BY \_\_\_\_\_ ALSO PRESENT \_\_\_\_\_

EH-12-1079

*Permit  
July 25 3rd + 24th  
9.30*

# APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 29991  
P \_\_\_\_\_

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

DISTRICT 3  
DATE 4/6/79

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 MADELINE LEONARDI + John J. SWEENEY TRUSTEE  
ADDRESS 8957 CHAPEL AVE. E.C. PHONE 465-2205-

PROPERTY LOCATION:

SUBDIVISION EVERGREEN VALLEY ESTATES LOT NO. 1  
ROAD AND DESCRIPTION EMERARD VALLEY RD.

SIZE OF LOT 3 ACRES TYPE BLDG. RESIDENTIAL/FAMILY

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.

SIGNATURE OF APPLICANT Joseph Martelloni

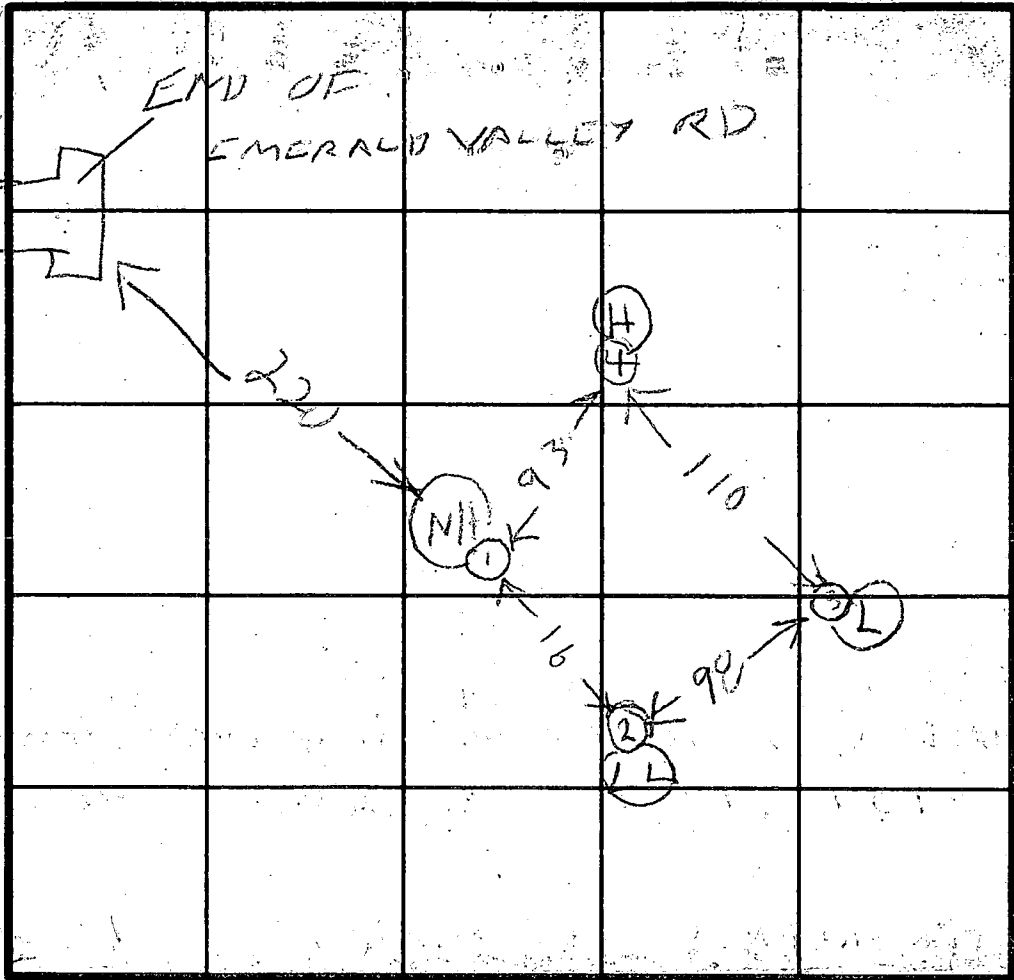
APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

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

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

REASONS FOR REJECTION OR HOLDING 7/23/79 Dig More (Water) R12

## THIS IS NOT A PERMIT



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
1/25/79	1D	1 1/2	1022	1025	1025	1029	3
	1S	5	1053	1054	1054	1056	2
	2V	1 1/2	WATER		1025	1027	
	2S	4 1/2	1058	1059	1059	1101	2
	3D	1 1/2	1033	1039	1040	1048	9
	3S	5	1103	1104	1104	1107	3
	4D	11	1036	1038	1039	1041	3
	4S	5 1/2	1109	1110	1110		

REMARKS No. 6 Hub (4) about 10-12 ft higher than (2)

TYPE OF SOIL R. MUDGE

TESTED BY R. MUDGE ALSO PRESENT MARTIN W.

1 SAND  
2 WATER  
3 SAND  
4 SAND

# APPLICATION

*Permit  
July 23/79 9:30*

SEWAGE DISPOSAL TESTING

A 29991

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES

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

DISTRICT 3

DATE 4/6/79

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 MADÉLINE LEONARDI + John J. Sweeney TRUSTEE

ADDRESS 8957 CHAPEL AVE. E.P. PHONE 465-2205-

PROPERTY LOCATION

SUBDIVISION EVERGREEN VALLEY ESTATES LOT NO. 1

ROAD AND DESCRIPTION EMERARD VALLEY RD.

SIZE OF LOT 3 ACRES TYPE BLDG. RESIDENTIAL/FAMILY

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ANY CIRCUMSTANCES.

SIGNATURE OF APPLICANT Joseph Martelloni

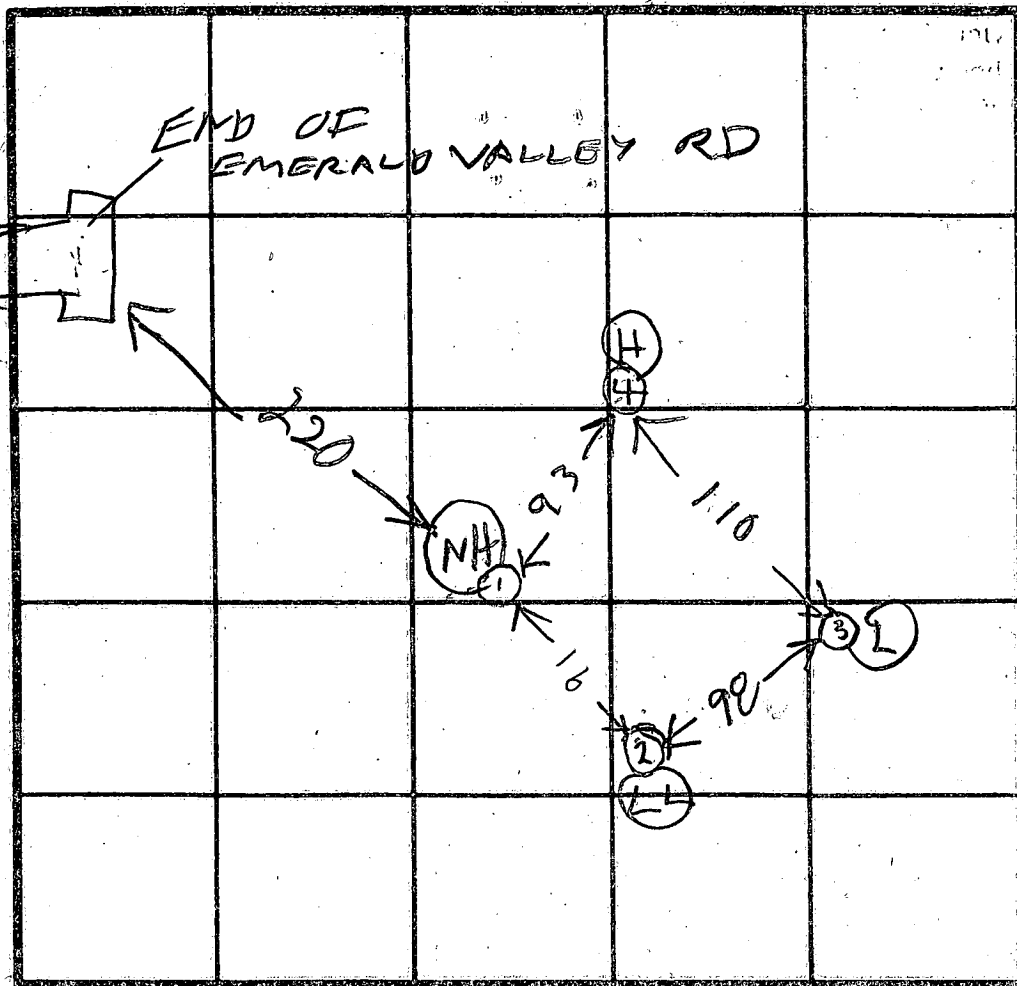
APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

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

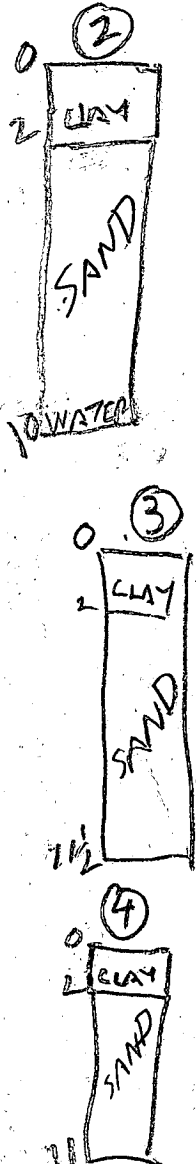
HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING 7/23/79 Pymore (water) P/H

# THIS IS NOT A PERMIT



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.



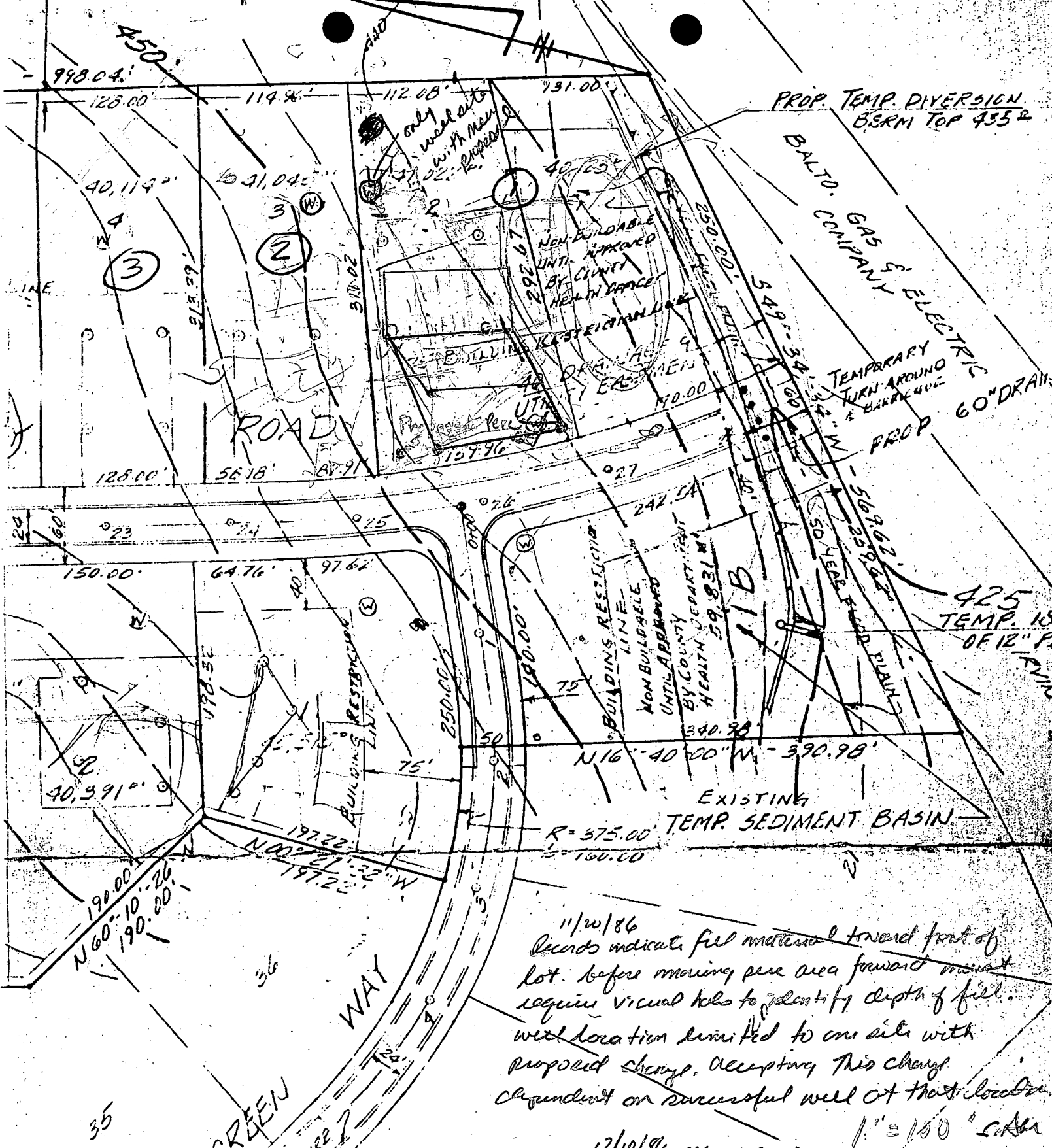
DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7/23/79	1D	1 1/2	1023	1025	1025	1028	3
	1S	5	1053	1054	1054	1056	2
	2V	10 1/2	WATER		10 1/2 FT		
	2S	4 1/2	1058	1059	1059	1101	2
	3D	1 1/2	1033	1039	1039	1048	9
	3S	5	1103	1104	1104	1107	3
	4D	11	1036	1038	1038	1041	3
	4S	5 1/2	1109	1110	1110		

REMARKS Note Hole 4 about 10-12 ft higher than 2

TYPE OF SOIL

TESTED BY B. HODGES

ALSO PRESENT MARTINI



11/20/86  
Records indicate fill material toward front of lot. before moving perc area forward must require visual logs to identify depth of fill. well location limited to one site with proposed change. accepting this change dependent on successful well at that location.

12/10/86 see full sheet

1" = 100' scale

**RECEIVED**

OCT 1 1986

© DENOTES 1

863119

BOENDER ASSOCIATES, INC.

PERCOLA

LOT NO. CONSTRUCTION YEAR				
NEW	OLD	NEW	OLD	NEW
0	A	B		

# APPLICATION

A 16843

SEWAGE DISPOSAL TESTING

P \_\_\_\_\_

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

ELLICOTT CITY

Septic Tank - 3 bedrooms - 1000 gal  
4 " " - 1200 gal

DISTRICT 3rd

DATE 3/21/72

Drain Fields - ~~30~~ <sup>156</sup> sq ft bottom area per bedroom  
installed at depth of 5' to 5 1/2 ft with 3 ft of gravel in trenches

Close trenches in area between 200 and 240 ft from  
rear lot line and between 20 and 90 ft from left side line as  
seen when facing from the front. Trenches to be 12' apart center to center

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

\* call for insp. of trenches before  
gravel is installed

I, HEREBY, APPLY FOR THE NECESSARY TESTS IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE  
DISPOSAL SYSTEM. 3 ft. wide inlet 3' bottom 4 1/2'

PROPERTY OWNER Hudson Construction Company, Inc.

ADDRESS 8957 Chapel Drive, Ellicott City, Md. PHONE 465-2205

PROPERTY LOCATION:

1 ED sect 7

SUBDIVISION Evergreen Valley Estates LOT NO. 2, Blk. A, Sec. 7

ROAD AND DESCRIPTION Cor. Evergreen Way & Emerald Valley Rd.

OCCUPANT \_\_\_\_\_ PHONE \_\_\_\_\_

PERSON TO CONSTRUCT SYSTEM \_\_\_\_\_

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

SIZE OF LOT 41,022 sq. ft. TYPE BLDG. 3 or 4 bedrooms

NUMBER OF BEDROOMS  
(Single fam. dwlg)

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

SIGNATURE OF APPLICANT /s/ Madeline Leonardi

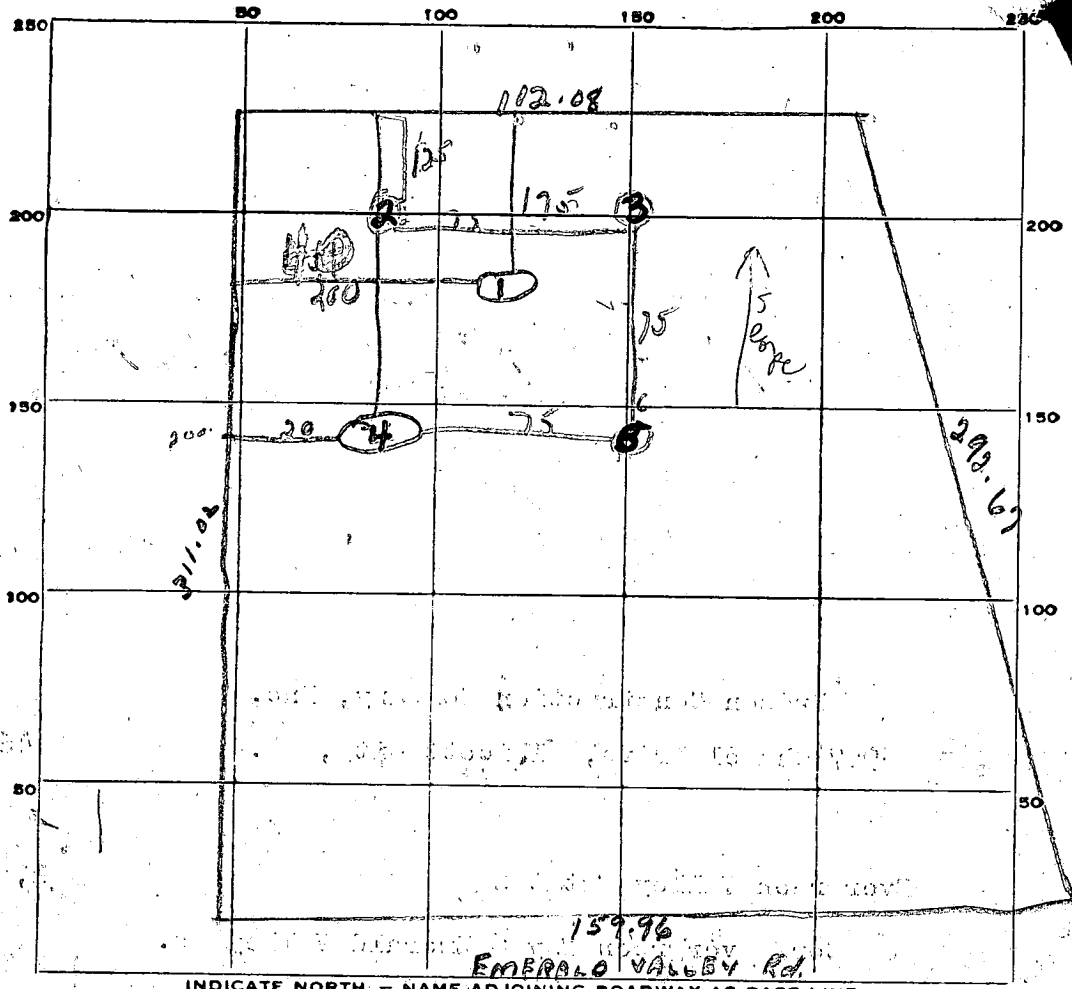
APPROVED BY [Signature] FOR Drain Fields DATE 4-9-73  
(KIND OF SYSTEM)

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

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

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

# THIS IS NOT A PERMIT



31  
12  
253  
  
150  
93  
243

INDICATE NORTH: - NAME ADJOINING ROADWAY AS BASE LINE.

LOT 2A

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6/6/77	1	10 ft	good	said	- sand	1 1/2 ft	
	2	5 ft	2 15	2 18	2 18	2 24	6 min
	3	10 ft	2 30	2 32	2 32	2 36	4 min
	4	5 ft	2 42	2 48	2 48	3 00	12 min
	5	5 1/2 ft	2 57	hole covered			
	6	6 ft 4"	3 08	3 18	3 18	3 45	27 min

first fill

7 12 min  
180 #

SOIL AUGER FINDING *Sand start at 1 1/2 ft*

TESTED BY *[Signature]*

REMARKS *trench to be inspected before gravel installed depth 5 1/2*

# APPLICATION

A 16843

SEWAGE DISPOSAL TESTING

P \_\_\_\_\_

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

ELLICOTT CITY

DISTRICT 3rd

DATE 3/21/72

*Helmsbury*

*lots 182 D combined into one lot*

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TESTS IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Hudson Construction Company, Inc.

ADDRESS 8957 Chapel Drive, Ellicott City, Md. PHONE 465-2205

PROPERTY LOCATION:

SUBDIVISION Evergreen Valley Estates LOT NO. ~~2, Blk. A, Sec. 7~~

ROAD AND DESCRIPTION Cor. Evergreen Way & Emerald Valley Rd.

OCCUPANT \_\_\_\_\_ PHONE \_\_\_\_\_

PERSON TO CONSTRUCT SYSTEM \_\_\_\_\_

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

SIZE OF LOT 41,022 sq. ft. TYPE BLDG. 3 or 4 bedrooms

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

SIGNATURE OF APPLICANT /s/Madeline Leonardi

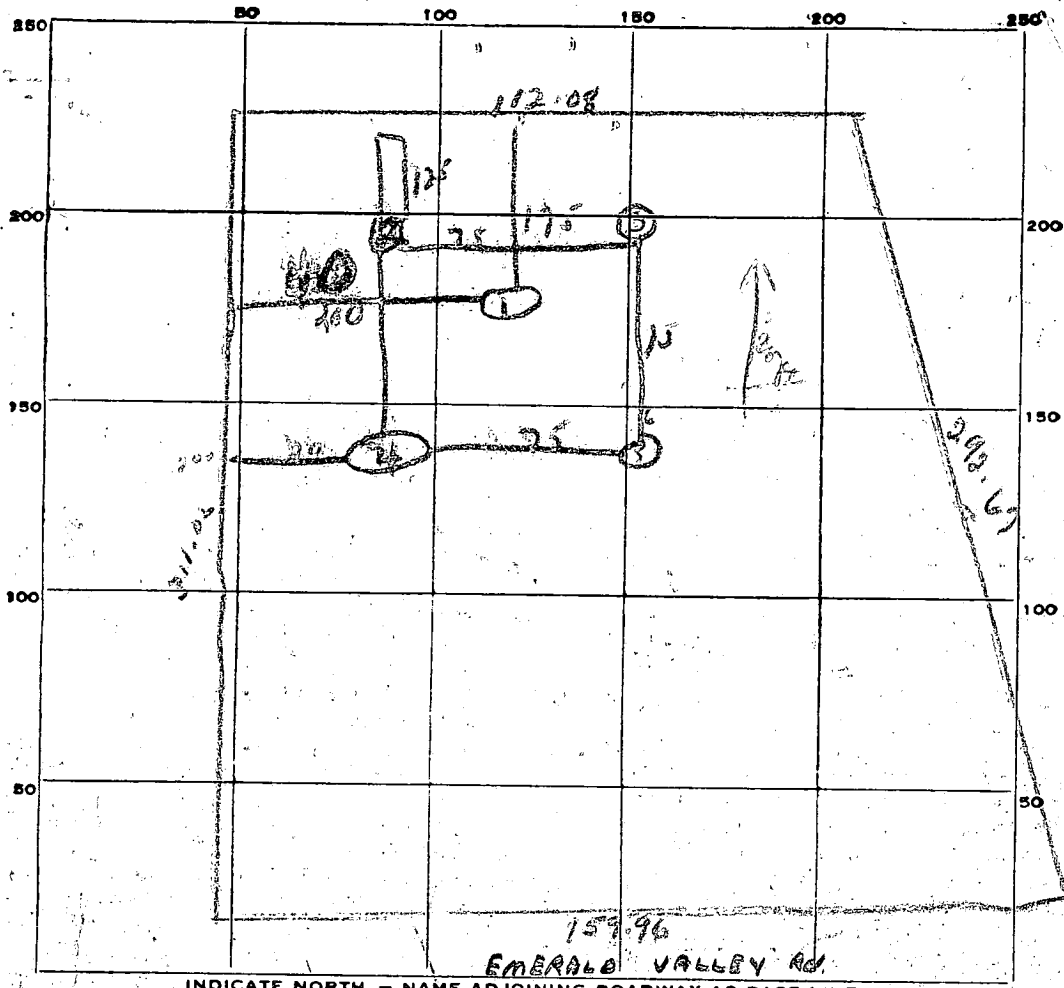
APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_  
(KIND OF SYSTEM)

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

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

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

# THIS IS NOT A PERMIT



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

LOT 2-9

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6/6/77	1	10 ft	good	soil - sand	11/11	11/11	11/11
	2	5 ft	2	15	2	24	11/11
	3	3 ft	2	30	2	36	11/11
	4	3 ft	2	42	2	48	11/11
	5	3 1/2 ft	2	57	2	63	11/11
	6	6 ft 4"	3	08	3	45	27 min

from 260 fill

SOIL AUGER FINDING *soil started at 11/12 ft water = 3*

TESTED BY *[Signature]*

REMARKS *- trench to be inspected before gravel installed depth 5 1/2*

# APPLICATION

A 16851

P \_\_\_\_\_

SEWAGE DISPOSAL TESTING

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

ELLICOTT CITY

DISTRICT 3DATE 3/22/72TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND*Lots 1 & 2D combined into one lot*

I, HEREBY, APPLY FOR THE NECESSARY TESTS IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Hudson Construction Company, Inc.ADDRESS 8957 Chapel Avenue, Ellicott City, Md. PHONE 465-2205

PROPERTY LOCATION:

SUBDIVISION Evergreen Valley Estates LOT NO. 1, Blk. A, Sec. 7ROAD AND DESCRIPTION Emerald Valley Road

OCCUPANT \_\_\_\_\_ PHONE \_\_\_\_\_

PERSON TO CONSTRUCT SYSTEM \_\_\_\_\_

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

SIZE OF LOT 40,125 sq. ft. TYPE BLDG. 3 or 4

NUMBER OF BEDROOMS

(Single Fmly. Dwlg.)

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

SIGNATURE OF APPLICANT /s/ Madeline Leonardi

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



# APPLICATION

A 16851

P \_\_\_\_\_

SEWAGE DISPOSAL TESTING

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

ELLICOTT CITY

DISTRICT 3

DATE 3/22/72

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TESTS IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Hudson Construction Company, Inc.

ADDRESS 8957 Chapel Avenue, Ellicott City, Md. PHONE 465-2205

PROPERTY LOCATION:

SUBDIVISION Evergreen Valley Estates LOT NO. 1, Blk. A, Sec. T

ROAD AND DESCRIPTION Emerald Valley Road

OCCUPANT \_\_\_\_\_ PHONE \_\_\_\_\_

PERSON TO CONSTRUCT SYSTEM \_\_\_\_\_

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

SIZE OF LOT 40,125 sq. ft. TYPE BLDG. 3 or 4

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IF NOT SINGLE RESIDENCE DESCRIBE \_\_\_\_\_ (Single Fmly. Dwllg.)

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(KIND OF SYSTEM)

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

(KIND OF SYSTEM)

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

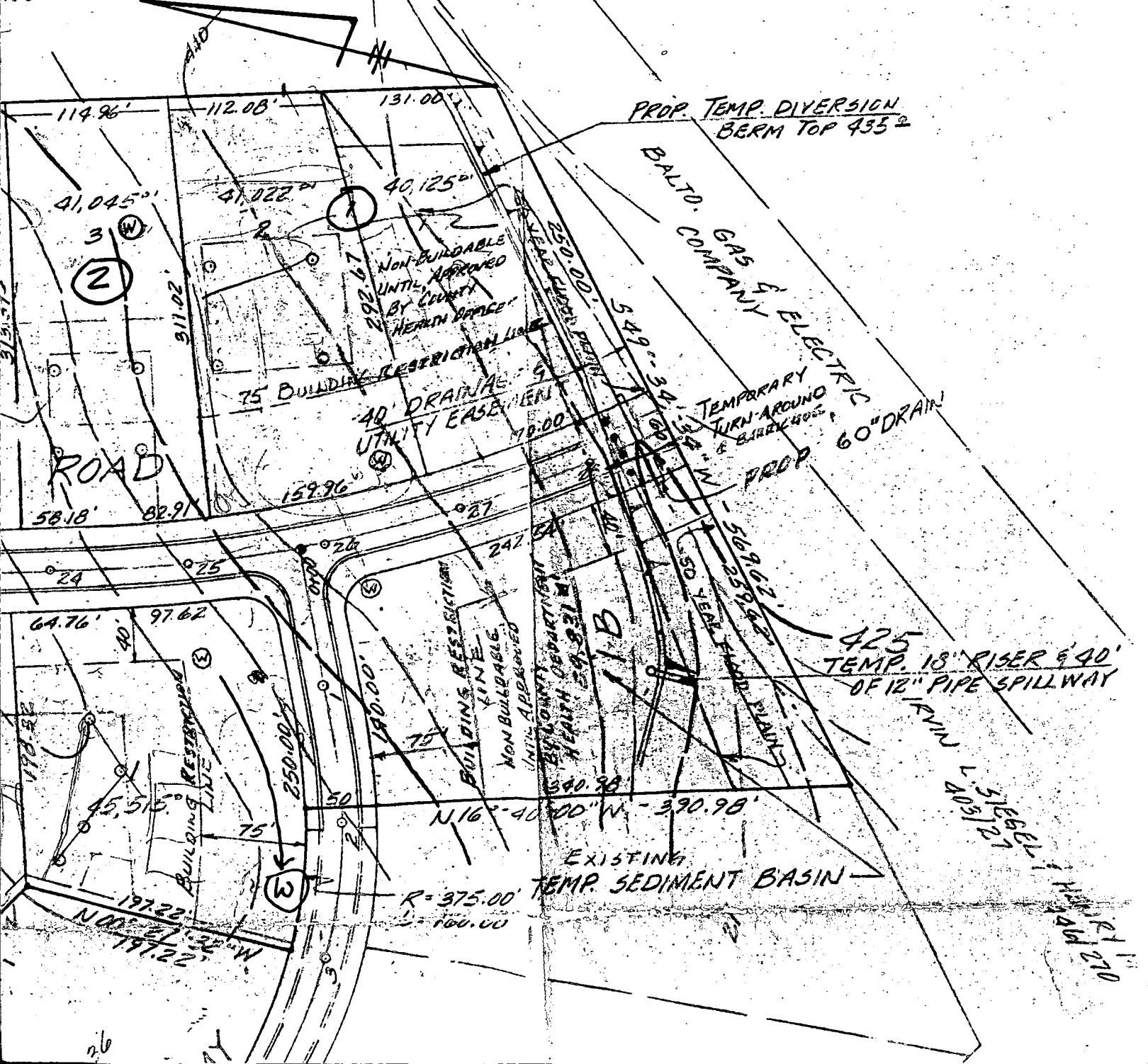
REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

# THIS IS NOT A PERMIT



on record

10' UTILITY EASEMENT





## HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer

August 31, 1994

Mr. John Sweeney  
Sweeney and Zacharski  
1513 Fidelity Building  
210 North Charles Street  
Baltimore, Maryland 21201-4086

RE: Evergreen Valley Estates - Lot 1  
Emerald Valley Road

Dear Mr. Sweeney:

Please be advised that sewage disposal trenches sized to satisfy the requirements for a three bedroom home were installed August 3 and 4, 1994 on the above referenced property. Site conditions were limiting to the extent that there did not appear to be sufficient area to allow installation of a 4 bedroom system without encumbering area needed for future system repair.

Approval is contingent upon submission of a surveyed "as-built" installation diagram. The as-built plan should declare the remaining ground up to the edge of Lot 2 as area reserved for future repair. Because this lot line is not immediately obvious in the field, it is suggested that dimensions to the transformer box and to the adjoining house be provided.

Upon acceptance of this plan, this office's previously stated concerns about suitability for septic system approval will have been satisfied. Subject to drilling of a well on the property, the lot would then be considered eligible for building permit review.

If you have any questions regarding this matter, please call me at 313-2640.

Very truly yours,

Craig Williams, Program Director  
Water and Sewerage Program

CW:jr

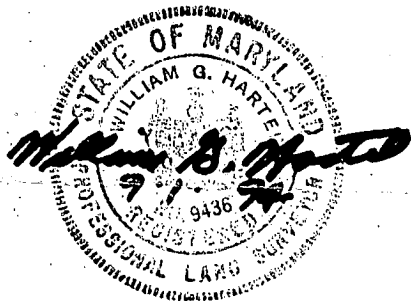
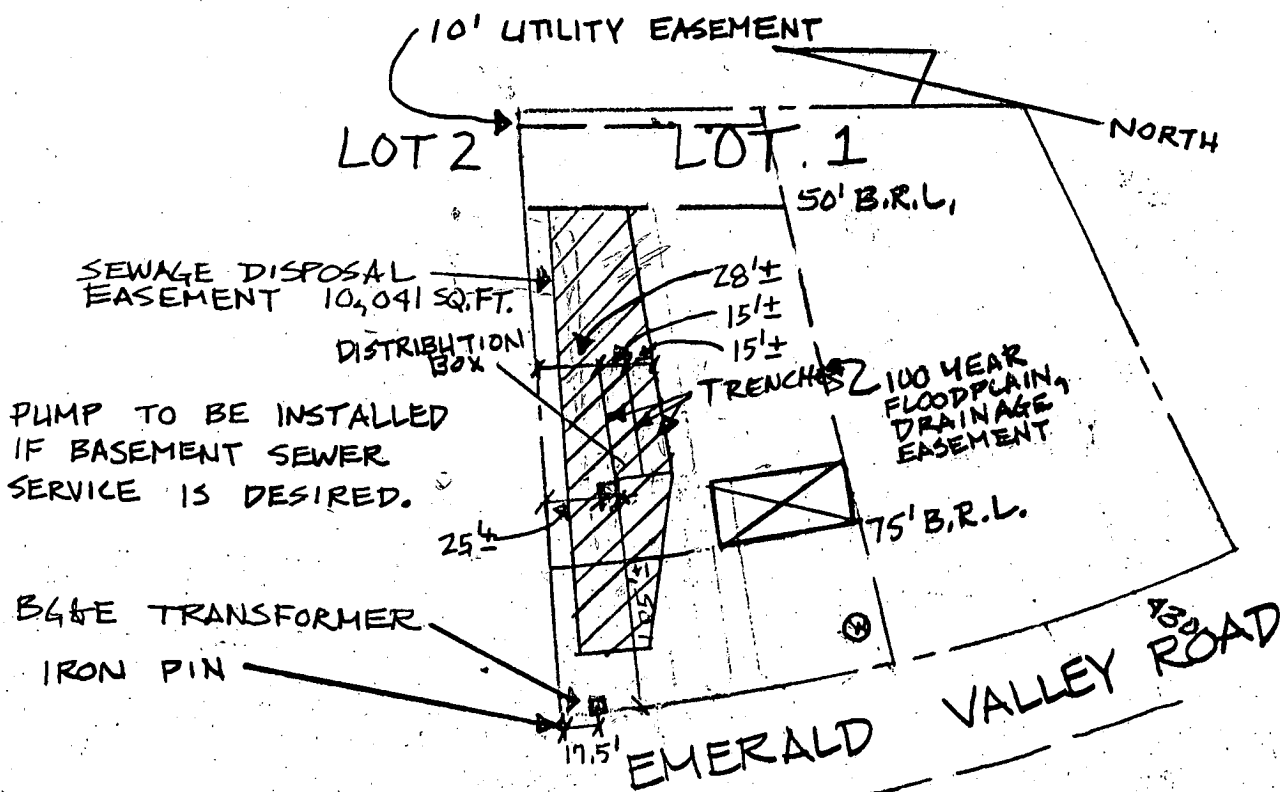
cc: Jack Boender  
Frank Skinner  
File ✓

RESOLVED  
ACCEPTABLE PLAN  
SUBMITTED AND  
APPROVED 9/2/94 (CW)

Approved Septic System Plan  
Howard County Health Department

*Chris Williams*  
Signature

9/2/94  
Date



PLAN BOUNDARY PER  
PLATBOOK 24 FOLIO 61

TITLE: TRENCH LOCATION PLAT				
PROJECT: LOT 1-D EVERGREEN VALLEY				
LOCATION: 3RD ELECTION DISTRICT HOWARD CO., MD.				
SCALE: 1"=100'	DESIGNED BY: JAB	DRAWN BY: SD	CHECKED BY: CABY	DATE: 8/94
FIELD BOOK: —	PAGE NO.: —	JOB NO.: 86349	DRAWING NO.: 1 OF 1	

**Boender Associates**  
INCORPORATED  
ENGINEERS • PLANNERS • SURVEYORS

3230 BETHANY LANE  
ELLCOTT CITY, MD. 21043  
(301) 465-7777 FAX: (301) 465-7966

Boender

HOC

6/29/94

password; reach

DISCUSSED WITH BOENDER;

H6 SEGS COMBINATION OF CONDITIONS  
MAY LEAD TO CONCLUSION

~~OR~~ TO "SUFFICIENT INFO  
TO PROCEED OUT OF WET SEASON"

WILL WRITE LETTER DESCRIBING SAME  
CRITICAL POINT - ABILITY OF OWNER  
TO REMOVE

June 28, 1994

"TEMP 1972 BERM"  
WHICH IS ENLARGING  
WATER TABLE CONCERNS,

CDW

Mr. John A. Boender  
Boender Associates  
3230 Bethany Lane  
Ellicott City, Maryland 21042

RE: Septic System Plans  
Lot 1-D  
Evergreen Valley Estates

Dear Mr. Boender:

This is to advise that the submitted septic system plan for the above referenced property is acceptable.

THIS OFFICE'S INITIAL REQUEST REQUEST WAS FOR

Referring to the December 27, 1993 letter on this topic from Frank Skinner, Bureau Director, you will see that ~~if the requested additional wet season percolation testing were not to be accomplished, the alternative would be for "issuance of a conditional sewage disposal installation permit during the spring wet season".~~ Regrettably, the request for issuance of the septic installation permit was not received in time for installation during the spring wet season.

The closing date for wet season is April 30th; the installation plan was submitted near the beginning of June. Allowing for normal review and processing time, the earliest possible installation date would have been mid-June, some six weeks past the closing date for wet season.

Subject to your client's approval, we will be happy to issue the permit with the stipulation that the system be installed between the dates of February 1st and April 30th.

IN RESPONSE TO MR. SWEENEY'S  
OBJECTIONS, IT WAS AGREED THAT  
AN ACCEPTABLE ALT. ---

Yours truly,

Craig D. Williams, Director  
Water and Sewerage Program

CDW:hs

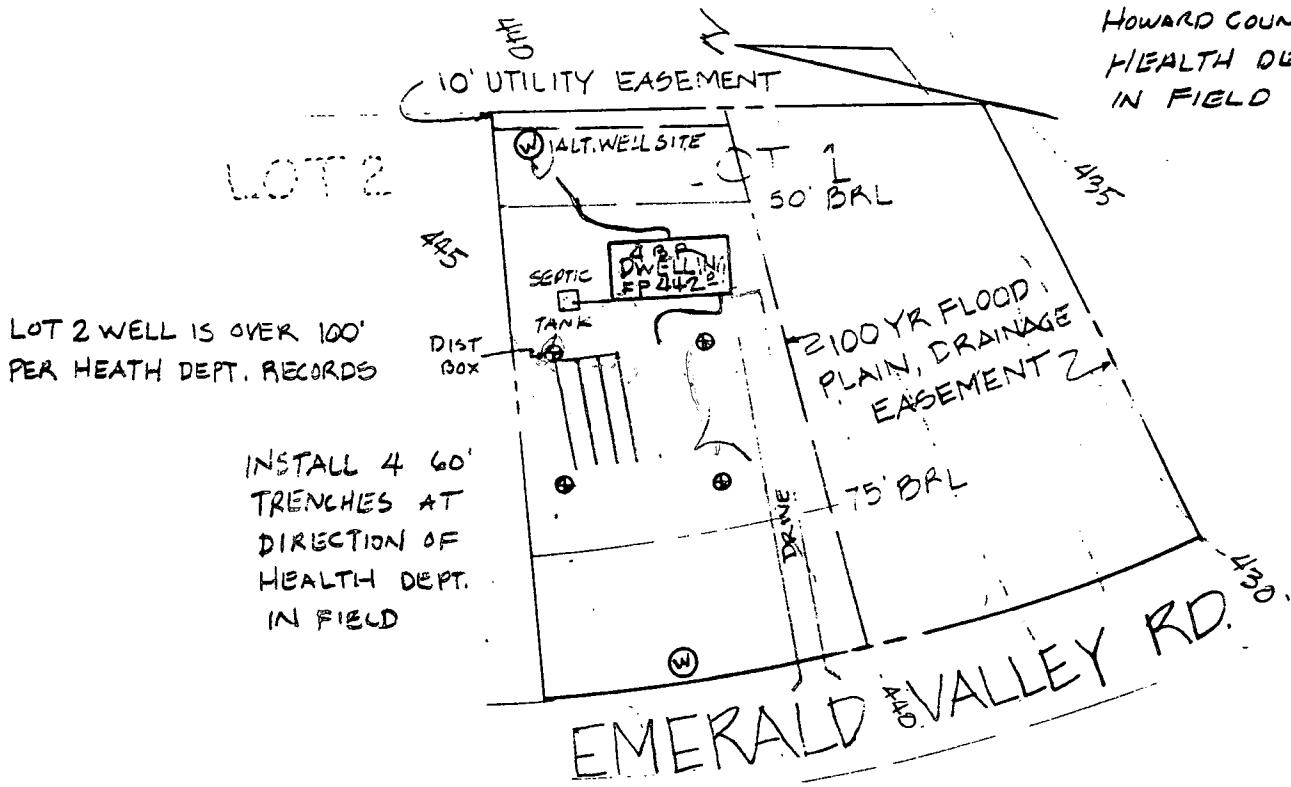
cc: John Sweeney  
Jack Fyock  
Frank Skinner

PUMP TO BE INSTALLED IF BASEMENT  
SEWER SERVICE IS DESIRED

SEPTIC TANK  
INV. IN 441.0

DIST. BOX  
INV. IN 440.0

NOTE: CONTRACTOR TO  
SET SYSTEM PER  
HOWARD COUNTY  
HEALTH DEPT.  
IN FIELD



LOT 2 WELL IS OVER 100'  
PER HEATH DEPT. RECORDS

INSTALL 4 60'  
TRENCHES AT  
DIRECTION OF  
HEALTH DEPT.  
IN FIELD

TOPOGRAPHY PER PRELIMINARY PLAN  
BOUNDARY PER PLATBOOK 24 FOLIO 61

TITLE:

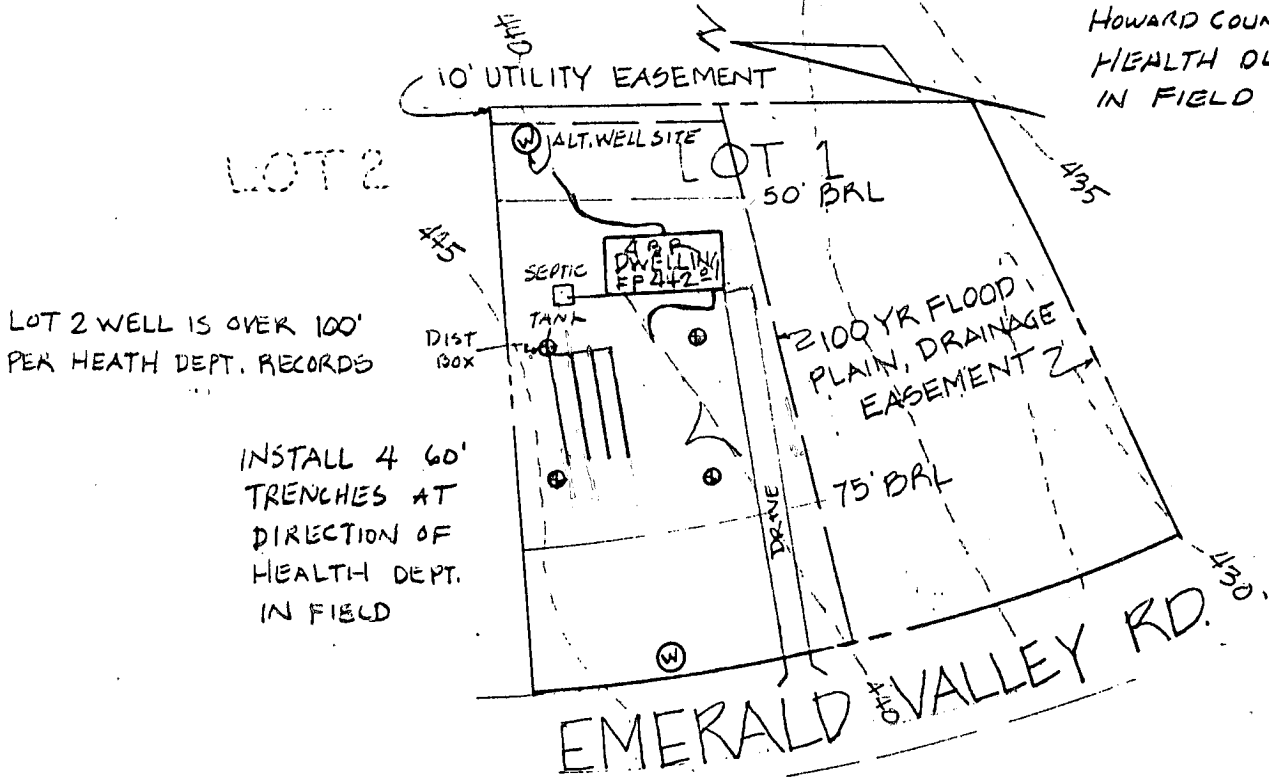
GRADING PLAN

PUMP TO BE INSTALLED IF BASEMENT  
SEWER SERVICE IS DESIRED

SEPTIC TANK  
INV. IN 441.0

DIST. BOX  
INV. IN 440.0

NOTE: CONTRACTOR TO  
SET SYSTEM PER  
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IN FIELD



LOT 2 WELL IS OVER 100'  
PER HEATH DEPT. RECORDS

INSTALL 4 60'  
TRENCHES AT  
DIRECTION OF  
HEALTH DEPT.  
IN FIELD

Approved Septic System Plan  
Howard County Health Department  
(PRIOR TO ISSUANCE OF BP)

*Cay Wilber* 8/2/94  
Signature Date

TOPOGRAPHY PER PRELIMINARY PLAN  
BOUNDARY PER PLATBOOK 24 FOLIO 61

TITLE: GRADING PLAN				
PROJECT: LOT 1-D EVERGREEN VALLEY				
LOCATION: 3RD ELECTION DISTRICT HOWARD CO., MD.				
SCALE: 1"=100'	DESIGNED BY: JAD	DRAWN BY: B	CHECKED BY: JAB	DATE: 6-24
FIELD BOOK: —	PAGE NO.: —	JOB NO.: 86349	DRAWING NO.: 1-1	

**Boender Associates**  
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3230 BETHANY LANE  
ELLICOTT CITY, MD. 21043  
(301) 465-7777 FAX: (301) 465-7966



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## HOWARD COUNTY HEALTH DEPARTMENT

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*Joyce M. Boyd, M.D., County Health Officer*

December 27, 1993

John Sweeney  
Sweeney and Zacharski  
1513 Fidelity Building  
210 North Charles Street  
Baltimore, Maryland 21201-4086

RE: Evergreen Valley Estates  
Lot 1-D

Dear Mr. Sweeney:

The purpose of this correspondence is to provide clarification of the memo sent to you from Craig Williams dated November 30, 1993 that refers to the status of the above referenced property.

For the past six months, the health department has raised concerns regarding soil conditions at this site. A letter to Craig Kozlowski from Craig Williams dated June 10, 1993 outlined changes that have occurred on site since our original percolation tests were performed in June of 1972, and the ramifications of these changes. The basic concern being the uncertain depth to the original permeable soil zone and the possibility that changes in the property's drainage may have resulted in a seasonal groundwater impact to that zone.

Craig Williams and I met with Jack Boender on September 28th to resolve this issue. At that time, we discussed various options available to insure that a proposed septic system would function adequately once installed on the property. Jack Boender explained how his figures detailing the present depth of fill were derived (by comparing elevations shown on the preliminary plan to recent field observations), and he believed the excavations dug on August 3rd supported his data. We also discussed alternatives that could be undertaken to resolve the issue and that these would be summarized in a memo to you.

We have had an opportunity to review the depth of fill data presented by Jack Boender and compare it to data from the original percolation notes of June, 1972 by Donald Monaghan and to observation notes by Sid Abel on December 10, 1986 and by Ron Pinkley on August 3, 1993. There are discrepancies. This reinforces our position that conditions have changed at the site.

State law and regulation governing subdivision of land and disposal of sewage (Annotated Code - Environment Article and COMAR 26.04.02 and 26.04.03) set forth standards for approval of property for utilization of wells and septic

John Sweeney

- 2 -

December 27, 1993

systems and for design of septic systems. It is our position that at this point in time we could not insure that a septic system could be expected to function properly if installed in the area originally approved for sewage disposal. We believe that the cumulative effect of the changes that have occurred since the time of our original approval have created a condition that must be explored prior to release of a building permit. Deep excavations observed during the spring wet season would be expected to provide the necessary data.

As an alternative, an approach that I alluded to in a previous phone conversation with you involved our issuance of a conditional sewage disposal installation permit during the spring wet season to either the current owner or to a prospective buyer of the property, with the stipulation that an acceptable sewage disposal system must be approved by the health department prior to sale of the lot. This alternative would allow the opportunity to uncover a suitable area for the septic system and resolve the cumulative effects of the changes that have occurred on the property over the last 20 years.

Should you have any questions regarding the matter, please call me at 313-2645.

Sincerely,



Frank A. Skinner, Director  
Bureau of Environmental Health

FAS:hs

cc: Jack Boender

C 1/5929

SEQUENCE NO. (DENY 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 38177

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well 260 (TO NEAREST FOOT)

PERMIT NO. FROM 'PERMIT TO DRILL WELL' 10-94-0242

OWNER: Castelano, Michael; STREET OR RFD: Emerald Valley Rd; TOWN: W. Friendship; SUBDIVISION: Evergreen Valley; SECTION: D; LOT: 1

WELL LOG table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), Check if water bearing. Includes entries for Topsoil, Br. mica, Br. micaceous sandstone, Tan micaceous sandstone, Granite, Fractured Granite, and Granite.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL: CEMENT CM, BENTONITE CLAY BC, NO. OF BAGS 35, NO. OF BOUNDS 3500, GALLONS OF WATER 175, DEPTH OF GROUT SEAL 30 ft.

CASING RECORD: casing types insert appropriate code below (ST, CO, PL, OT), MAIN CASING TYPE: ST, Nominal diameter: 60, Total depth of main casing: 80.

OTHER CASING (if used) table with columns: diameter inch, depth (feet) from, to.

SCREEN RECORD: screen type or open hole insert appropriate code below (ST, BR, HO, PL, OT), DEPTH (nearest ft.) 78, 260.

IN HARD ROCK AREAS, IDENTIFY SPECIFICALLY WHERE SATURATED FRACTURES WERE OBSERVED.

WELL HYDROFRACTURED: YES (Y), NO (N)

- A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED
E ELECTRIC LOG OBTAINED
P TEST WELL CONVERTED TO PRODUCTION WELL

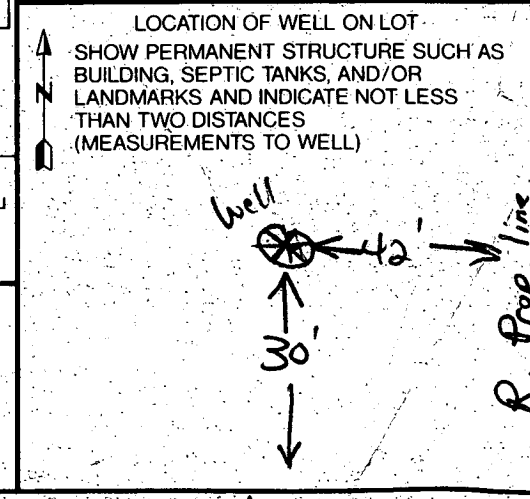
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 'WELL CONSTRUCTION' AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT...

DRILLERS IDENT. NO. 40; DRILLERS SIGNATURE: George F. Estabrook, Wally Blaylock; 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); TELESCOPE CASING, LOG INDICATOR, OTHER DATA

PUMPING TEST: HOURS PUMPED 3, PUMPING RATE 7, METHOD USED TO MEASURE PUMPING RATE Bucket, WATER LEVEL 22, WHEN PUMPING 130, TYPE OF PUMP USED (for test) S submersible

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: S, CAPACITY: GALLONS PER MINUTE, PUMP HORSE POWER, PUMP COLUMN LENGTH, PUMP Casing Height: + above, - below



COUNTY

Front lot line







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## HOWARD COUNTY HEALTH DEPARTMENT

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*Joyce M. Boyd, M.D., County Health Officer*

December 27, 1993

John Sweeney  
Sweeney and Zacharski  
1513 Fidelity Building  
210 North Charles Street  
Baltimore, Maryland 21201-4086

RE: Evergreen Valley Estates  
Lot 1-D

Dear Mr. Sweeney:

The purpose of this correspondence is to provide clarification of the memo sent to you from Craig Williams dated November 30, 1993 that refers to the status of the above referenced property.

For the past six months, the health department has raised concerns regarding soil conditions at this site. A letter to Craig Kozlowski from Craig Williams dated June 10, 1993 outlined changes that have occurred on site since our original percolation tests were performed in June of 1972, and the ramifications of these changes. The basic concern being the uncertain depth to the original permeable soil zone and the possibility that changes in the property's drainage may have resulted in a seasonal groundwater impact to that zone.

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John Sweeney

- 2 -

December 27, 1993

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Should you have any questions regarding the matter, please call me at 313-2645.

Sincerely,



Frank A. Skinner, Director  
Bureau of Environmental Health

FAS:hs

cc: Jack Boender



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## HOWARD COUNTY HEALTH DEPARTMENT

---

*Joyce M. Boyd, M.D., County Health Officer*

TO: Jack Sweeney  
1513 Fidelity Building  
Baltimore, MD 21201

FROM: Craig Williams, Program Director (CW)  
Water and Sewerage Program  
Bureau of Environmental Health

RE: Evergreen Valley Estates-Lot1D  
East side of Emerald Valley  
Road at Evergreen Way

DATE: November 30, 1993

In summary of several previous conversations about the above referenced property, this office is requesting additional percolation tests prior to release of any construction permits for the property. Spring wet season testing is suggested.

The property passed the initial percolation test evaluation in 1972, and was approved for subdivision in 1973. The concern is site conditions not in evidence at the time of subdivision approval. A "temporary diversion berm" proposed on the preliminary plan, appears to have become a permanent feature of the landscape. The result of this berm is an expansion of the wetland immediately below the sewage disposal easement. This feature may have impacted the groundwater table to the detriment of the sewage disposal area.

Another issue is the presence of an indeterminate amount of fill dirt over the sewage disposal easement. Current estimates of the depth of fill range from 3' to 10' in the vicinity of the sewage easement. An accurate understanding of the depth of fill is necessary to properly design the septic system and to prepare for any complications the fill may pose for proper installation.

Two previous excavation efforts were not successful in providing the necessary information. In 1986, percolation testing was attempted because of a potential buyer's interest in adjusting the location of the sewage disposal easement. Aside from determining that the sewage disposal easement could not be moved lower on the property, this testing provided the revelation of the presence of fill material. Regrettably, this testing was not extensive enough to confirm the amount of fill throughout the easement, nor was it deep enough to determine if there was any groundwater impact in the original permeable soil zone.

A second effort in 1993, intended to resolve these questions, was unsuccessful because excavation was not to the necessary depth. For the testing to be useful, the corners of the sewage disposal easement and the entire left property line should be clearly marked. A standard contractor's backhoe capable of excavation to a depth of at least 14' should be provided.

cc: Jack Boender

# Boender Associates

INCORPORATED  
ENGINEERS • PLANNERS • SURVEYORS

October 21, 1993

Mr. John Sweeney  
Sweeney & Zacharski  
1513 Fidelity Building  
210 North Charles Street  
Baltimore, Maryland 21201-4086

RE: Evergreen Valley Estates  
Lot 1D  
P.N. 86349

Dear Mr. Sweeney:

As requested in your letter of October 15, 1993, I have examined the invoices totalling \$1,835.00 for services rendered in conjunction with our attempt to resolve the latest issues with the Howard County Health Department relevant to the above referenced lot. For your information, I am attaching a breakdown showing the professional involved, their hours, and their billing rate as well as the date and the task performed. As you will see from the breakdown, the work began on July 23, 1993 with the latest actual involvement by my staff on August 27th. On October 1st I spent an hour at the Health Department reviewing their concerns as outlined in their August 31, 1993 letter.

The work that we performed was, at your request, in accordance with the directions outlined in Mr. Craig William's letter dated June 10, 1993 to Mr. Craig Kozlowski and Mr. William's subsequent letter of June 24, 1993 that was addressed to me.

As you will recall in April, 1987 I obtained approval for the utilization of the original percolation test area on Lot 1D with the condition that the original sediment control berm was to be removed at the time of construction of a dwelling. This was confirmed in my letter of April 3, 1987 to you with a copy to Sid Abel. Since that time, Mr. Abel is no longer with the County and the County imposed additional requirements for construction on this lot. Our office again surveyed the subject lot installing the property corners, as well as staked out the plotted sewage disposal easement, and the proposed well site.

This work was accomplished by a survey crew on July 30, 1993. The survey crew returned on August 6, 1993 and ran grades on the subject percolation test areas and test pits which we dug to establish elevations which would relate to the original preliminary plan approved for this development in the early 1970's. Over a period of time of July 23rd and July 30th, Mr. Daniel Blevins, a Project Engineer with my office, met with the Health Department, visited the site, supervised the stakeout work and further excavated the visual holes to be observed. A miscellaneous charge of \$143.75 was included in our invoice #25688 which covered the cost of a small backhoe, which Mr. Blevins rented. A backhoe was utilized as opposed to an augur, which was suggested by Mr. Williams, to allow for excavation to a greater depth than possible with a hand augur. At my direction, Mr. Blevins dug down to the original clay layer on the subject lot. He did not dig any further as the County already had records of the soil conditions below the existing ground from the original percolation tests. On August 6th, 13th, and 27th, Mr. Blevins spent additional time supervising the survey crew in the field, preparing exhibits and a letter that was forwarded to Mr. Craig Williams, and later meeting with Mr. Williams regarding the same. As a result of those meetings, Mr. Williams issued his letter of August 31, 1993 which indicated that he was still not satisfied that the backhoe excavation revealed the true depth of the fill and further, that other concerns had risen relevant to soil conditions and the possibility of a seasonal high water table. Subsequent to that letter at your request, I met with Mr. Williams and his superior, Mr. Frank Skinner. At that time, I believe I resolved, in their mind, the question of the depth of fill which had been placed from the time the original percolation tests were run in the early '70's. However, their records, which they revealed at that meeting, indicated notes that at the original time of testing there was fill material on the lot already. This new information apparently has lead to even further confusion. As a result of my meeting, Mr. Skinner indicated that they would send a letter to you indicating that the subject lot was approved in the early '70's and is still approved for private onsite sewage system. They were, however, going to require that prior to issuance of a well permit or building permit, that the septic system be installed on the subject lot to allow for more flexibility. That system could be installed by the current owner prior to sale of the lot or could simply be installed by a perspective buyer. It is my understanding in a discussion today with Mr. Skinner that the letter will be forthcoming shortly and he apologized for not getting it out earlier.

I feel the fees that we have charged are fair and reasonable for the work that was performed. While Mr. William's letter indicates that "it is apparent that we are no closer to resolving concerns about the proper septic design for this property than we have been at any point in the last several years" I would disagree. Mr. William's indicated that he had a concern as to the location of the approved septic easement on the lot. That is now staked in the field and they have observed it. He was concerned as to the location of the proposed well in the field. It has been staked and they have observed it. He was also concerned as to the location of the property corners which have been staked at this time. Further, we have excavated and determined the depth of fill which was placed on the lot since the time of the original percolation tests in the early '70's. The fact that the Health Department now has reversed their 1987 position reapproving the lot subject only to removing the berm and wish to further explore soil conditions is beyond my control.

While our efforts complied with the Health Departments requests and did resolve some of their concerns, I am sorry that we were unable to obtain an unconditional resolution of the matter. I believe this was a result of the soil conditions encountered coupled with their concern as to seasonal high water on the lot. I would be happy to pursue this matter further if you wish, but at this time I believe you may be well off selling the lot subject to the installation of the septic system prior to settlement.

I would hope that after reviewing the materials attached herewith in this letter that you would forward a check by return mail.

Sincerely,

*John A. Boender*  
John A. Boender (dmb)  
President

JAB:dmb



FAX TRANSMITTAL

TO: Frank Skinner

COMPANY: \_\_\_\_\_

FAX NUMBER: 313-2648

# OF SHEETS: 5 DATE: 12-3-93

PROJECT NO: \_\_\_\_\_

\*\*\*\*\*

FROM: Jacile Boender

TELEPHONE NO.: (410) 465-7777

FAX NO: (410) 465-7966

\*\*\*\*\*

MESSAGE:

\*\*\*\*\*

IF THERE ARE ANY PROBLEMS REGARDING THIS TRANSMISSION,  
PLEASE CALL (410) 465-7777

CONFIDENTIALITY NOTICE: The documents accompanying this telecopy contain legally privileged confidential information belonging to the sender. The information is intended only for the use of the individual or entity named above. If you are not the intended recipient, you are hereby notified that any disclosure, copying, distribution of, or the taking of action in reliance on the contents of this telecopied information is strictly prohibited. If you have received this telecopy in error, please immediately notify us by telephone (we will accept the charges for the call).



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## HOWARD COUNTY HEALTH DEPARTMENT

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*Joyce M. Boyd, M.D., County Health Officer*

TO: Jack Sweeney  
1513 Fidelity Building  
Baltimore, MD 21201

FROM: Craig Williams, Program Director (CW)  
Water and Sewerage Program  
Bureau of Environmental Health

RE: Evergreen Valley Estates-Lot 1D  
East side of Emerald Valley  
Road at Evergreen Way

DATE: November 30, 1993

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The property passed the initial percolation test evaluation in 1972, and was approved for subdivision in 1973. The concern is site conditions not in evidence at the time of subdivision approval. A "temporary diversion berm" proposed on the preliminary plan, appears to have become a permanent feature of the landscape. The result of this berm is an expansion of the wetland immediately below the sewage disposal easement. This feature may have impacted the groundwater table to the detriment of the sewage disposal area.

Another issue is the presence of an indeterminate amount of fill dirt over the sewage disposal easement. Current estimates of the depth of fill range from 3' to 10' in the vicinity of the sewage easement. An accurate understanding of the depth of fill is necessary to properly design the septic system and to prepare for any complications the fill may pose for proper installation.

Two previous excavation efforts were not successful in providing the necessary information. In 1986, percolation testing was attempted because of a potential buyer's interest in adjusting the location of the sewage disposal easement. Aside from determining that the sewage disposal easement could not be moved lower on the property, this testing provided the revelation of the presence of fill material. Regrettably, this testing was not extensive enough to confirm the amount of fill throughout the easement, nor was it deep enough to determine if there was any groundwater impact in the original permeable soil zone.

A second effort in 1993, intended to resolve these questions, was unsuccessful because excavation was not to the necessary depth. For the testing to be useful, the corners of the sewage disposal easement and the entire left property line should be clearly marked. A standard contractor's backhoe capable of excavation to a depth of at least 14' should be provided.

cc: Jack Boender

LAW OFFICES OF  
**SWEENEY & ZACHARSKI**  
1513 FIDELITY BUILDING  
210 NORTH CHARLES STREET  
BALTIMORE, MARYLAND 21201-4086

JOHN J. SWEENEY, JR.  
C.M. ZACHARSKI, JR.  
EILEEN C. SWEENEY

(410) 685-1141  
FAX-NO.  
(410) 685-1142

October 15, 1993

Mr. John Boender  
Boender & Associates, Inc.  
3220 Bethany Lane  
Ellicott City, Maryland 21042

Dear John:

From July 30, 1993 through October 1, 1993, I have received five (5) bills from your company, totalling One Thousand Hundred, Thirty-Five Dollars (\$1,835.00), for service relating to the Evergreen Valley lot.

Frankly, not much progress has been made concerning this lot in the last several months, and I am puzzled by the multiple substantial bills, especially in view of the letter from Craig Williams to me, dated 8/31/93, in which he states: "It is apparent that we are no closer to resolving concerns about proper septic design for this property than we have been at any point in the last several years..."

John, if we are no closer to resolving the problems, what do the \$1,835.00 bills involve? Will you kindly examine each of them and write me at your convenience, setting forth the bases for these bills?

Sincerely,

*Jack*  
John J. Sweeney, Jr.

RECEIVED

OCT 18 1993

JJSjr/als

BOENDER ASSOCIATES, INC.  
P.N.

86349

LAW OFFICES OF  
**SWEENEY & ZACHARSKI**  
1513 FIDELITY BUILDING  
210 NORTH CHARLES STREET  
BALTIMORE, MARYLAND 21201-4086

JOHN J. SWEENEY, JR.  
C.M. ZACHARSKI, JR.  
EILEEN C. SWEENEY

(410) 685-1141  
FAX-NO.  
(410) 685-1142

September 7, 1993

Mr. Craig Williams  
Program Director  
Water & Sewerage Program  
Bureau of Environmental Health  
3525-H Ellicott Mills Drive  
Ellicott City, Maryland 21043-4544

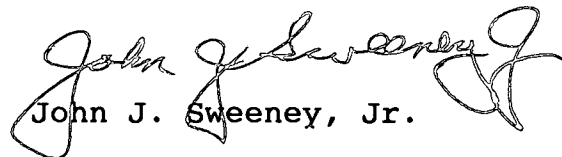
Dear Mr. Williams:

I am writing to acknowledge receipt of your letter of August 31, 1993, relating to Lot 1D of Evergreen Valley Estate.

First, let me state that we, frankly, are not satisfied with the analysis set forth in your letter concerning this lot. The lot was previously approved for a private septic system and well, and the only question which your office had was related to depth of the fill material in the area of this proposed septic system. As you know, we have verified that, and our engineers are prepared to certify the depth of the fill if that is necessary.

Mr. Boender will contact you in the very near future, Mr. Williams, to set up a meeting with you and Mr. Skinner, to discuss this lot.

Very truly yours,

  
John J. Sweeney, Jr.

JJSjr/als

cc: Mr. Frank Skinner, Director  
Mr. John Boender

LAW OFFICES OF  
**SWEENEY & ZACHARSKI**  
1513 FIDELITY BUILDING  
210 NORTH CHARLES STREET  
BALTIMORE, MARYLAND 21201-4086

JOHN J. SWEENEY, JR.  
C.M. ZACHARSKI, JR.  
EILEEN C. SWEENEY

(410) 685-1141  
FAX-NO.  
(410) 685-1142

September 7, 1993

Mr. Craig Williams  
Program Director  
Water & Sewerage Program  
Bureau of Environmental Health  
3525-H Ellicott Mills Drive  
Ellicott City, Maryland 21043-4544

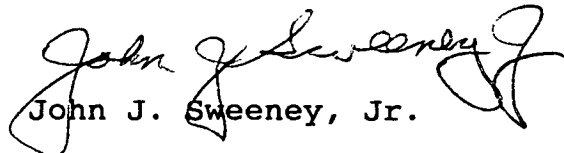
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Very truly yours,

  
John J. Sweeney, Jr.

JJSjr/als

cc: Mr. Frank Skinner, Director  
Mr. John Boender



---

## HOWARD COUNTY HEALTH DEPARTMENT

---

*Joyce M. Boyd, M.D., County Health Officer*

August 31, 1993

*Reply to:*

MEMORANDUM

TO: Jack Sweeney  
1513 Fidelity Building  
Baltimore, Maryland 21201

FROM: Craig Williams, Program Director CW  
Water and Sewerage Program  
Bureau of Environmental Health

RE: Evergreen Valley Estates - Lot 1D  
East side of Emerald Valley Road at  
Evergreen Way

On August 3, 1993, Ronald Pinkley, R.S., met Mr. Dan Blevins of Boender Associates, at the above referenced property to resolve questions about site conditions relative to septic system plans for the property.

As was the case in several previous efforts, we returned with more questions than answers. Most significantly, the backhoe excavation may or may not have revealed the true depth of fill over the septic easement, and we were unable to determine if the original soils were adversely influenced by changes in drainage patterns which had occurred on the property since the time of the original percolation test approval. Discolored soils at the possible original soil line could have been an indicator of seasonal water table, or they could have been only an indicator of excessive moisture in the overlaying fill dirt, or they could have indicated that we were looking at disturbed soils from a previous excavation and were not seeing original soil conditions at all.

It is apparent that we are no closer to resolving concerns about proper septic design for this property than we have been at any point in the last several years. Rather than to continue these perpetually fruitless efforts to study the matter further, I would like to suggest a course of action that would produce more positive results.

---

Bureau of Environmental Health  
3525-H Ellicott Mills Drive Ellicott City, Maryland 21043-4544  
Water and Sewerage, Permits 313-2640 Community Environmental Health 313-2642  
Technical Services 313-2644 Director 313-2645 TDD 313-2323

August 31, 1993

"When hydraulic or geologic problems exist", the State of Maryland Sewage Disposal Regulation (COMAR 26.04.02.02P) authorizes that a septic system may be required to be installed prior to issuance of a building permit. On that basis, it is suggested that the septic system be installed prior to issuance of either the well permit or the building permit. Should there be problems installing the system because of site conditions, there would be greater flexibility for relocation if there has been no prior commitment to a specific house or well site.

One specific condition of the permit would be that time of installation would be limited to the Spring "wet season" so that there would be a legitimate opportunity to observe maximum seasonal water table level. Another specific condition would be the constant on-site presence of a health department sanitarian during all phases of trench installation. Septic tank installation would be delayed until trench installation was complete.

If you are in agreement with these conditions, please contact this office in writing with your request for septic permit. If you are not in agreement with these conditions, then please contact this office with your suggestions as to how else we may proceed.

CW:jr

cc: Jack Boender  
Ronald J. Pinkley  
Frank Skinner, Director

**Boender**  
**Associates**  
INCORPORATED  
ENGINEERS • PLANNERS • SURVEYORS

August 9, 1993

Mr. Craig Williams  
Howard County  
Health Department  
3525 Ellicott Mills Drive  
Ellicott City, Maryland 21043

RE: Evergreen Valley Estates Lot 1D  
East side of Emerald Valley Road at Evergreen Way  
P.N. 86349

Dear Mr. Williams:

As per your letter dated June 24, 1993, Boender Associates, Inc. has field checked the topographic survey at the four corners of the previously approved septic reserve area that was verified by the exiting grades shown on the previously approved perc plat for the above referenced project.

As expected and verified by a test pit with a back hole on August 5, 1993, we found that the existing topo shown on the perc plat are correct and the field topo check elevations as shown on the attached exhibit are the previous fill placed.

At this time we are requesting that all appropriate permits be released in order that a septic system may be installed for future development.

If you should have any questions, please contact our office.

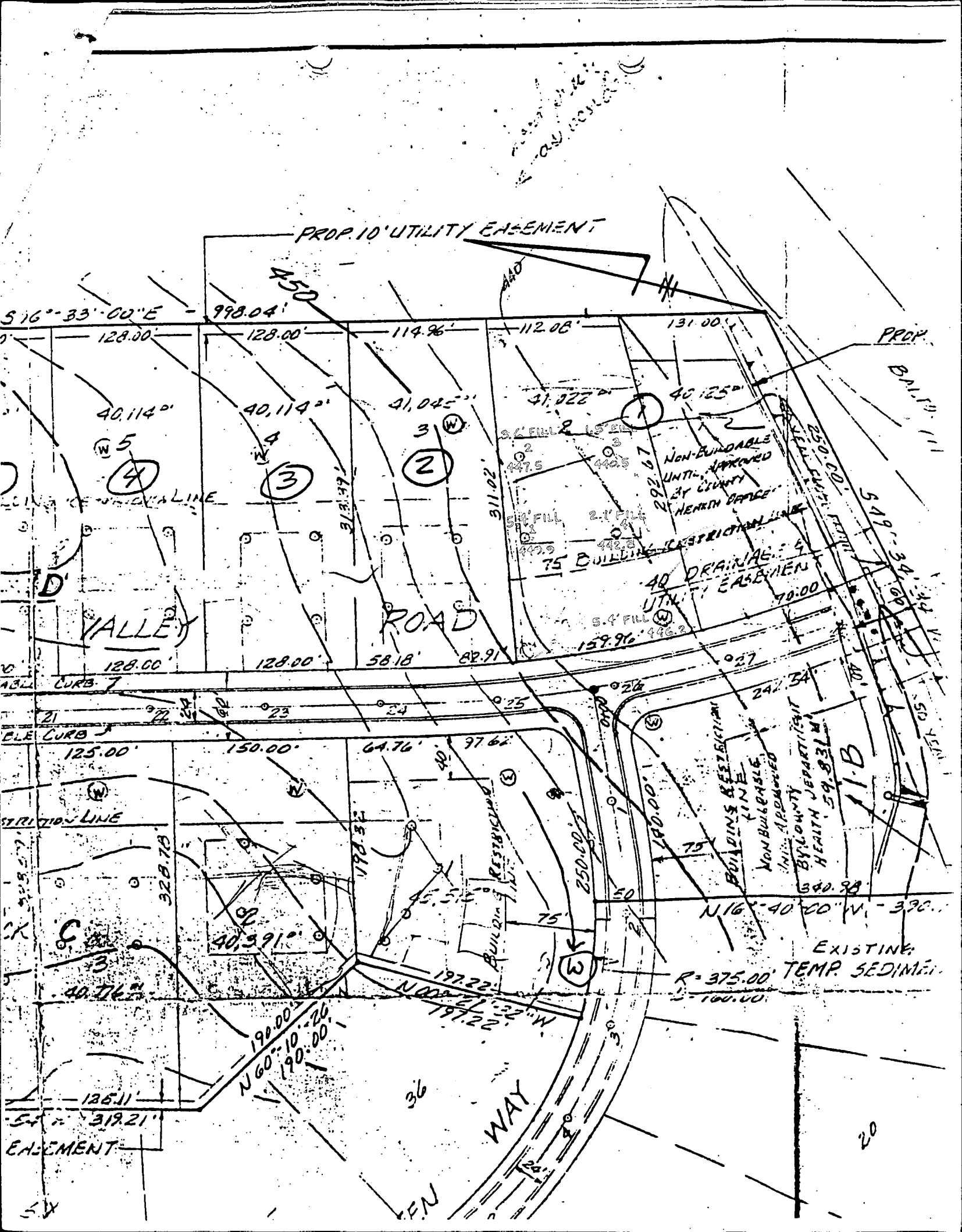
Sincerely,

*Daniel Blevins*

Daniel M. Blevins

cc: John Sweeney

DMB:dmb



PROP. 10' UTILITY EASEMENT

516°-33'-00"E - 998.04'  
128.00' 128.00' 114.96' 112.08' 131.00'

40.114° (W) 5  
40.114° (W) 4  
31.045° (W) 3  
31.022° (W) 2  
40.125° (W) 1

NON-BUILDABLE  
UNTIL APPROVED  
BY COUNTY  
HEALTH DEPT.

VALLEY

ROAD

75' BUILDING RESTRICTION LINE  
40' DRAINAGE UTILITY EASEMENT

128.00' 128.00' 58.18' 82.91' 027  
21 22 23 24 25  
ELEV CURB  
125.00' 150.00' 64.76' 97.62'

RESTRICTION LINE

BUILDING RESTRICTION LINE  
NON-BUILDABLE  
UNTIL APPROVED  
BY COUNTY HEALTH DEPARTMENT  
HEALTH 59.831

3  
40.716°

40.391°  
190.00'  
N 60°-10'-20"  
190.00'

N 16°-40'-00" W - 330.00'  
EXISTING TEMP. SEDIMENT  
R=375.00'  
100.00'

EASEMENT  
126.11  
54' 319.21'

WAY

20



---

**HOWARD COUNTY HEALTH DEPARTMENT**

---

*Joyce M. Boyd, M.D., County Health Officer*

June 24, 1993

*Reply to:*

Mr. John A. Boender  
Boender Associates  
3230 Bethany Lane  
Ellicott City, Maryland 21042

RE: Evergreen Valley Estates - Lot 1D  
East side of Emerald Valley Road at  
Evergreen Way  
P. N. 86349

Dear Mr. Boender:

As per your request of June 16, 1993, enclosed please find a copy of the platted sewage disposal easement for Lot 1D that was referenced in previous correspondence.

Please notify this office of the scheduled date and time for the auger boring. We will make every effort to provide a sanitarian at that time, but the engineer's or excavator's report of the depth of fill at several locations is requested regardless of whether or not an inspector can be present.

It is suggested that the auger penetrate the original clay layer into the more permeable soils to an additional depth of 6 to 8 feet. A report of formations encountered, i.e. dry permeable soils throughout, or water table at a specific depth, etc., would provide the greatest confidence in the appropriate design for the disposal trenches. If the auger cannot work to this depth, we will base the septic system on a conservative assessment of the original test results.

If you have any further questions, please call me at 313-2640.

Very truly yours,

Craig Williams, Program Director  
Water and Sewerage Program

CW:jr

Enclosure

cc: Mr. Frank Skinner

---

Mr. John Sweeney      Bureau of Environmental Health  
File      3525-H Ellicott Mills Drive      Ellicott City, Maryland 21043-4544  
Water and Sewerage, Permits 313-2640      Community Environmental Health 313-2642  
Technical Services 313-2644      Director 313-2645      TDD 313-2323

# Boender Associates

INCORPORATED  
ENGINEERS • PLANNERS • SURVEYORS

June 16, 1993

Mr. Craig Williams  
Howard County  
Health Department  
3525 Ellicott Mills Drive  
Suite H  
Ellicott City, Maryland 21043

RE: Evergreen Valley Estates Lot 1D  
East side of Emerald Valley Road at Evergreen Way  
P.N. 86349

Dear Mr. Williams:

I am in receipt of a copy of your letter dated June 10, 1993 addressed to Mr. Craig Kozlowski regarding the above referenced lot. First, please be advised that Mr. Kozlowski's client is no longer purchasing the subject lot. In the interim we are going to address the items which may be addressed by the current owner as outlined in your letter of June 10th. It is our intention to locate the well shown on the adjoining property, determine the depth of fill dirt over the existing sewage easement and stakeout the sewage disposal easement, the well site, and the property boundaries. In order to stake the existing sewage disposal area and approved well location it will be necessary for you to provide me with a copy of the plan which you referenced was signed by your Department on August 24, 1972. I only need a copy of the portion of the plan that relates to this particular lot. Upon receipt of the same I will proceed as instructed in your correspondence of June 10th. Please advise if you wish to be present when the auger boring is done. Thank you for your assistance and cooperation.

Sincerely,

  
John A. Boender (dmb)  
President

cc: Frank Skinner  
Jack Sweeney

JAB:dmb



---

## HOWARD COUNTY HEALTH DEPARTMENT

---

*Joyce M. Boyd, M.D., County Health Officer*

June 10, 1993

*Reply to:*

### MEMORANDUM

TO: Craig Kozlowski  
Centennial Homes  
3801 Font Hill Drive  
Ellicott City, Maryland 21042

FROM: Craig Williams, Program Director (CW)  
Water and Sewerage Program  
Bureau of Environmental Health

RE: Evergreen Valley Estates - Lot 1D  
East side of Emerald Valley Road at  
Evergreen Way

This is in response to your inquiry regarding health department requirements for building permit approval for the above referenced property.

The location of the recognized sewage disposal easement is as established on the preliminary subdivision plan by APR Associates, Health Department signature date 8-24-72. An unsuccessful attempt (percolation test) to modify the location of this easement in 1986 revealed that site conditions had been changed somewhat since the original testing in 1972.

The issuance of a septic system installation permit for this property is contingent upon review of a plan which satisfactorily takes into account the changes which have occurred to the site since the original testing. Specifically:

- A well has been drilled on the adjoining Lot 2. Its location needs to be confirmed to determine whether there is any implication for the planned starting point for the septic system.
- Fill dirt has been placed over the sewage disposal easement. The depth of that fill should be established to determine the proper depth for the septic system. Excavation by auger or backhoe would be the suggested method.

---

**Bureau of Environmental Health**  
3525-H Ellicott Mills Drive Ellicott City, Maryland 21043-4544  
Water and Sewerage, Permits 313-2640 Community Environmental Health 313-2642  
Technical Services 313-2644 Director 313-2645 TDD 313-2323

- If, as seems likely, the depth of that fill results in a trench inlet depth of greater than 4 - 6 feet, then installation plans will have to address safe techniques for installation and future service of the system.
- The septic system plan needs to address elimination of a berm which affects drainage across the sewage disposal easement. See enclosed letter of April 3, 1987 from Boender Associates to Mr. Jack Sweeney for further detail.
- The corners of the platted sewage disposal easement, the proposed well site, and relevant property boundaries should be staked, in order to provide the opportunity for visual confirmation that the plan is sound.

Please feel free to contact me if you have any questions relative to this matter.

CW:jr

Enclosure

cc: Boender Associates  
Jack Sweeney  
Jan Hayden  
File

\*\* TRANSMIT CONFIRMATION REPORT \*\*

Journal No. : 005  
Receiver : 94106851142  
Transmitter : BUREAU OF ENV. HEALTH  
Date : Jun 10, 93 15:36  
Time : 02'00  
Mode : NORM  
Document : 04 Pages  
Result : 0 K

*sent letter  
by mail  
6/10/93*

\*\* TRANSMIT CONFIRMATION REPORT \*\*

Journal No. : 004  
Receiver : 94104657966  
Transmitter : BUREAU OF ENV. HEALTH  
Date : Jun 10, 93 15:23  
Time : 01'54"  
Mode : NORM  
Document : 04 Pages  
Result : 0 K

*sent letter  
by mail re  
6/10/93*

# Boender Associates

INCORPORATED  
ENGINEERS • PLANNERS • SURVEYORS

### FAX TRANSMITTAL

TO: Frank Skinner  
 COMPANY: Ho. Co. Health Dept.  
 FAX NUMBER: 313-2648  
 # OF SHEETS: 2                      DATE: 6-10-93  
 PROJECT NO: \_\_\_\_\_

\*\*\*\*\*

FROM: Jack Boender  
 TELEPHONE NO.: (410) 465-7777  
 FAX NO: (410) 465-7966

\*\*\*\*\*

MESSAGE:

\*\*\*\*\*

IF THERE ARE ANY PROBLEMS REGARDING THIS TRANSMISSION,  
 PLEASE CALL (410) 465-7777

CONFIDENTIALITY NOTICE: The documents accompanying this telecopy contain legally privileged confidential information belonging to the sender. The information is intended only for the use of the individual or entity named above. If you are not the intended recipient, you are hereby notified that any disclosure, copying, distribution of, or the taking of action in reliance on the contents of this telecopied information is strictly prohibited. If you have received this telecopy in error, please immediately notify us by telephone (we will accept the charges for the call).

# Boender Associates

INCORPORATED  
ENGINEERS • PLANNERS • SURVEYORS

June 9, 1993

Mr. Frank Skinner  
Howard County  
Health Department  
3525 Ellicott Mills Drive  
Suite H  
Ellicott City, Maryland 21043

RE: Sweeney Property, Lot 1D Evergreen Valley

Dear Frank:

I have received a phone call today from Mr. John Sweeney, Attorney, regarding the above referenced project. He is looking for a letter that was to come from your office. Please forward a copy to Mr. Sweeney and my office as soon as possible. Mr. John Sweeney's address is 1513 Fidelity Building, Baltimore, MD 21201 (410) 685-1141.

If you have any questions, please contact me.

*Thank you*  
Sincerely,

  
John A. Boender  
President

cc: Mr. John Sweeney

JAB:dmb

**Boender**  
**Associates**  
INCORPORATED  
ENGINEERS • PLANNERS • SURVEYORS

*Jane R.  
I believe you  
took care of this  
on 6/11/93?  
Frank*

June 9, 1993

Mr. Frank Skinner  
Howard County  
Health Department  
3525 Ellicott Mills Drive  
Suite H  
Ellicott City, Maryland 21043

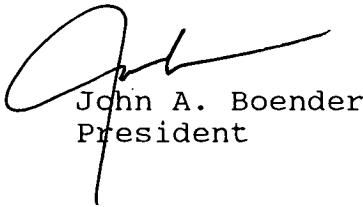
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If you have any questions, please contact me.

*Thank you*  
Sincerely,

  
John A. Boender  
President

cc: Mr. John Sweeney

JAB:dmb

# Boender Associates

INCORPORATED  
ENGINEERS • PLANNERS • SURVEYORS

## FAX TRANSMITTAL

TO: Frank Skinner  
 COMPANY: Ho Co Health Dept  
 FAX NUMBER: 313-2648  
 # OF SHEETS: 3 DATE: 6/1/93  
 PROJECT NO: \_\_\_\_\_

\*\*\*\*\*

FROM: Jack Boender  
 TELEPHONE NO.: (410) 465-7777  
 FAX NO: (410) 465-7966

\*\*\*\*\*

MESSAGE:

\*\*\*\*\*

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**boender associates**consulting engineers  
land surveyors  
land planners

April 3, 1987

Mr. Jack Sweeney  
1513 Fidelity Bldg.  
Baltimore, Md. 21201Re: Evergreen Valley Estates  
Lot 1 D

Dear Jack:

On April 1st I met with <sup>Heath</sup> Mr. Sid Abel of the Howard County Department of ~~Public Works~~ at the above captioned site. We reviewed the same in the field. Based on our field inspection and the stake out previously performed by our office, the County is agreeable to approve the lot for construction of a single family dwelling utilizing private on site sewerage disposal system to be constructed in the location of the original perc test previously approved on the lot when the same was placed on record. They will not approve the utilization of any additional percolation test to the front of the lot. This approval is further conditioned upon the removal of the existing berm to the east of the subject lot at the time a dwelling is constructed. It appears this berm was a part of an original sediment control system installed by the developer and at the present time would serve no practical purpose. The removal of the berm and the pertinent standpipe should be included in any grading plan submitted with the building permit application.

If you have any questions relevant to this matter please feel free to call me.

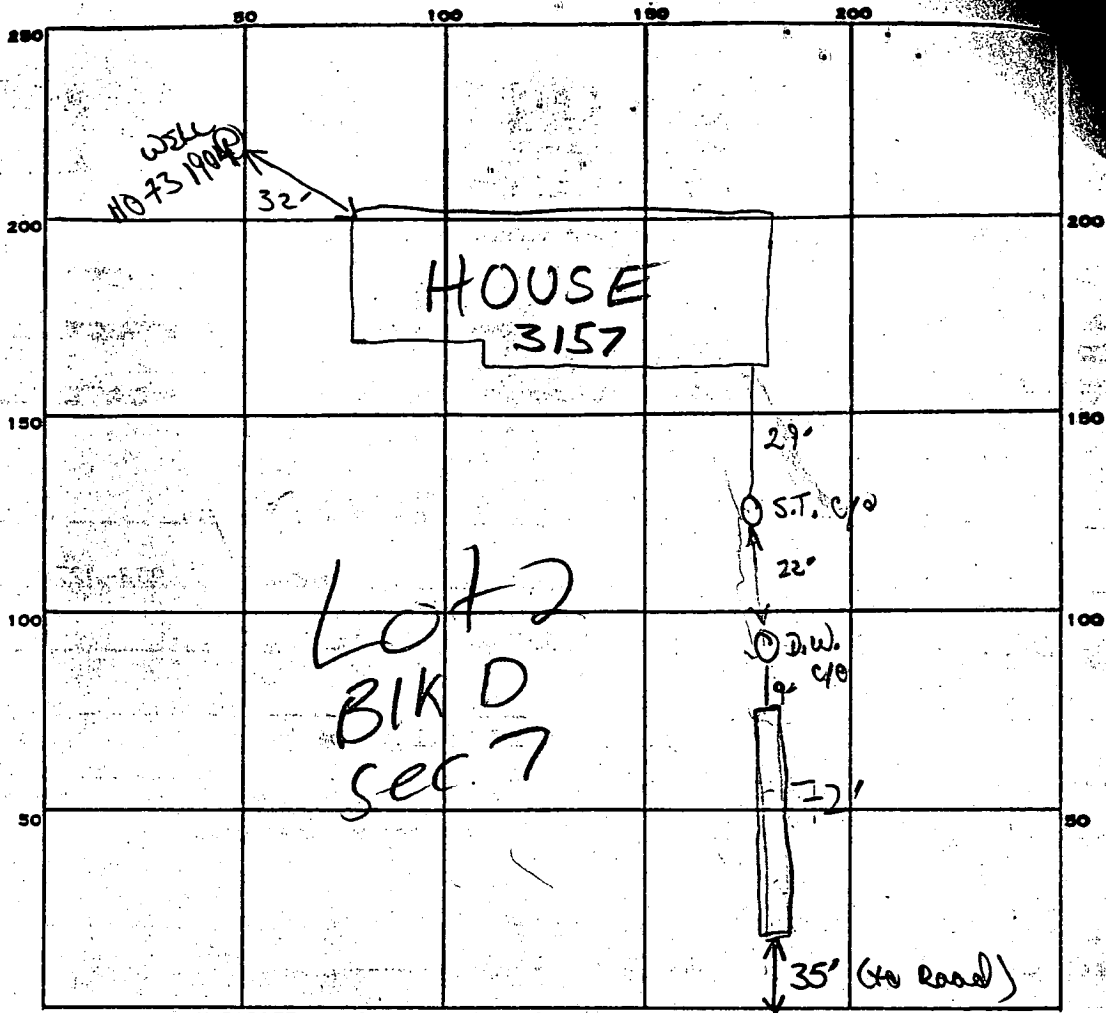
Yours truly,

  
John A. Boender  
President

JAB/ch

cc: Sid Abel





INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.  
EMERALD VALLEY RD

PERMIT CARD

SEPTIC TANK, LEVEL                      *still working* CLEANOUTS                      *EXISTING FOR S.T. + D.W.*

DISTRIBUTION BOX, LEVEL                     

TILE FIELD, DEPTH 10-11 (original grade) FT. TRENCH WIDTH 2 FT.

GRAVEL DEPTH 7 1/4 IN. TOTAL LENGTH 72 FT.

NUMBER OF TRENCHES 1 *1 SIDE WALL* TOTAL BOTTOM AREA 504

SEEPAGE PITS, INSIDE DIAMETER                      FT. DEPTH BELOW INLET 12 FT.

ABSORBENT AREA 504 SQ. FT.

125  
4  
500 MIN

REMARKS 12/9/85 Approx 3' of fill on top original ground. Stone starts ~ 3 ft  
below original soil. sandy loam under original grade  
top soil.  
OK to finish adding stone, pipe, paper  
12/9/85 OK to cover all work

DATE SYSTEM APPROVED 12/9/85 INSPECTOR B. Wilson

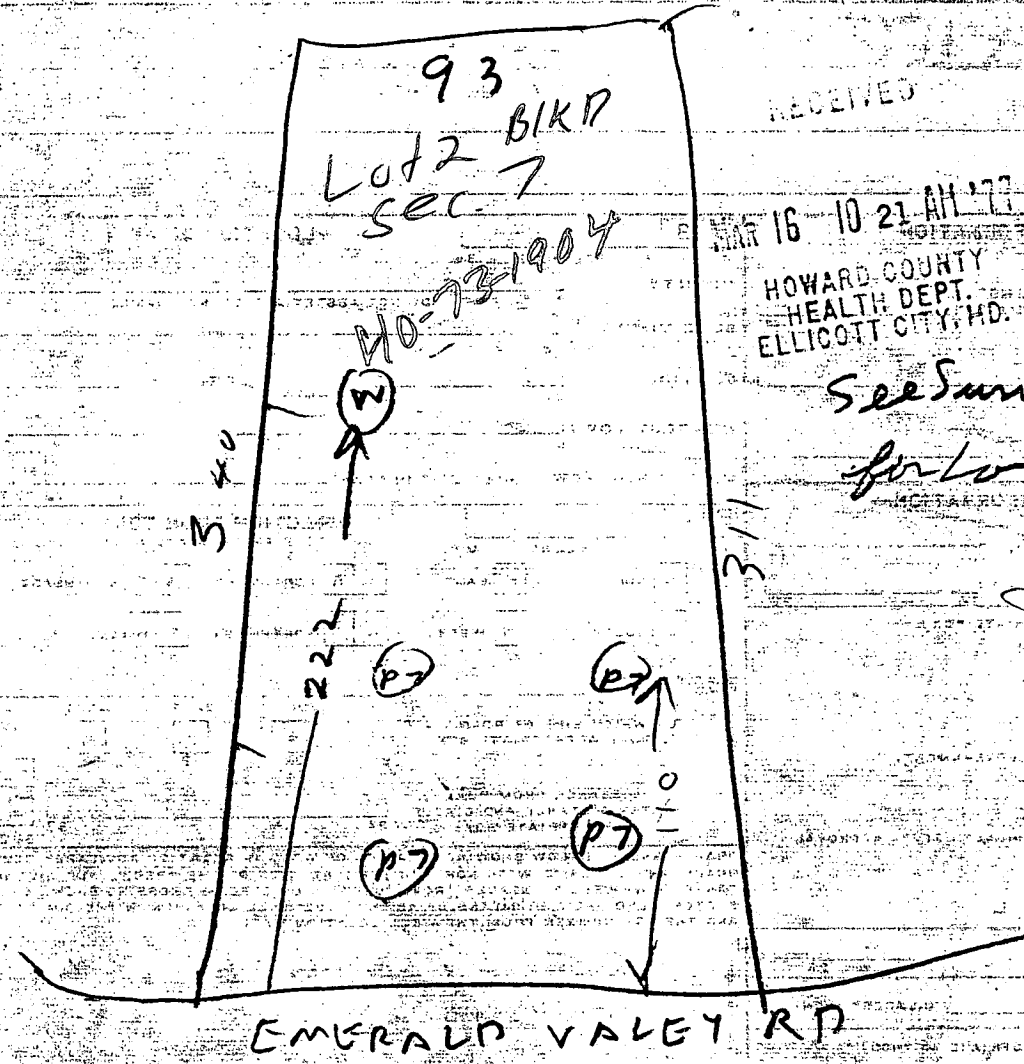
RECEIVED

MAR 16 10 21 AM '77

HOWARD COUNTY  
HEALTH DEPT.  
ELLCOTT CITY, MD.

See Survey Plat  
for Location

our file



4/6/77

- ① Confusion about lot # DM visited site & Jones Newburs supplied plat This well is located on Lot 2 D Section 7
- ② Well location OK
- ③ Well has 48 ft casing with 2 ft out of ground
- ④ Depth to be greater 78 ft measured with string but 31 ft measured by forcing ground pipe in hole
- ⑤ 10 bag used today
- ⑥ Well OK

# boender associates

consulting engineers  
land surveyors  
land planners

April 3, 1987

Mr. Jack Sweeney - 685-1141  
1513 Fidelity Bldg.  
Baltimore, Md. 21201

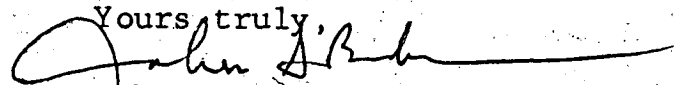
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Lot 1 D

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If you have any questions relevant to this matter please feel free to call me.

Yours truly,



John A. Boender  
President

JAB/ch

cc: Sid Abel

*Mr Frommelt*

LAW OFFICES OF  
**O'CONOR & SWEENEY**  
1518 FIDELITY BUILDING  
BALTIMORE, MARYLAND 21201.4086

HERBERT E. O'CONOR, JR.  
JOHN J. SWEENEY, JR.  
C. M. KACHARSKI, JR.  
EILEEN C. SWEENEY

September 22, 1986

(801) 685-1141

Mr. Jack Boender  
Boender Associates  
3565 Ellicott Mills Drive  
Ellicott City, MD 21043

Re: Evergreen Valley Estates

Dear Jack:

Enclosed is a portion of the plat recorded in Plat Book #24, Page 61, relating to Evergreen Valley Estates. I draw your attention to Lot 1D.

We recently had a party interested in purchasing Lot #1 together with the land and the flood plain adjacent thereto, but the prospective purchaser visited the Engineering Department of Howard County as well as Fred Fromelt in the Environmental Health Department and was informed that because of the location of the perc holes and the configuration of the lot toward the rear, he would have to build the home ninety feet (90') from the street and one hundred and thirty feet (130') from the sideline (the line forming part of Lot #2).

Additionally, he was informed that he could not build a house larger than thirty by thirty feet (30' x 30') - because of the fact that the lot narrowed toward the rear.

I would appreciate it if you would look into this for us and perhaps discuss the matter with Mr. Fromelt and representatives of the Engineering Department. Perhaps it would be appropriate to reperc the lot. At any rate, would you look into it and call me at your convenience.

Thank you for your assistance.

Sincerely,

*Jack*  
John J. Sweeney, Jr.

*#80349*

**RECEIVED**

SEP 23 1986

BOENDER ASSOCIATES, INC.

*Meet. 10/9/86  
1:30*

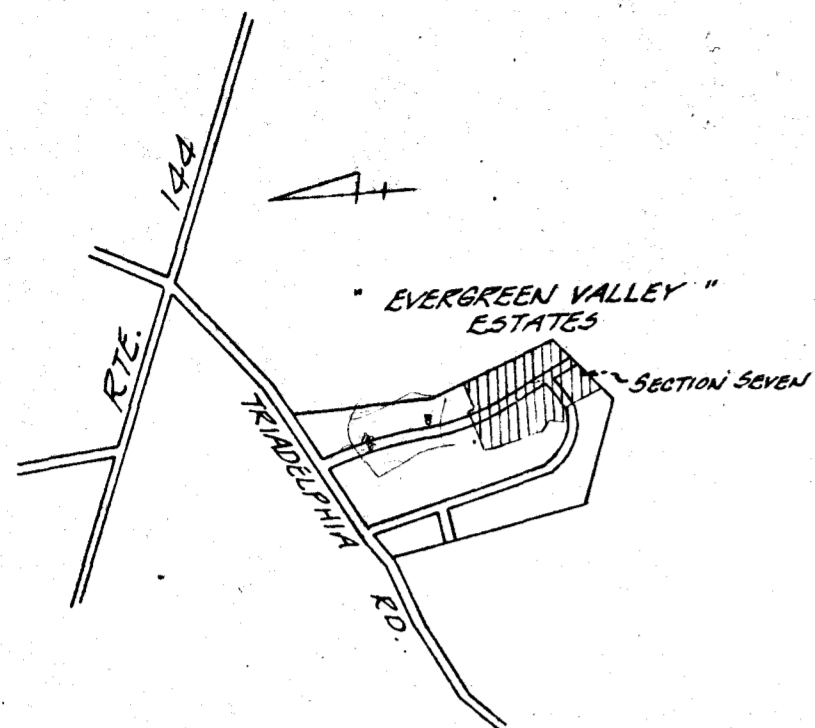
JJS/jbc

encl

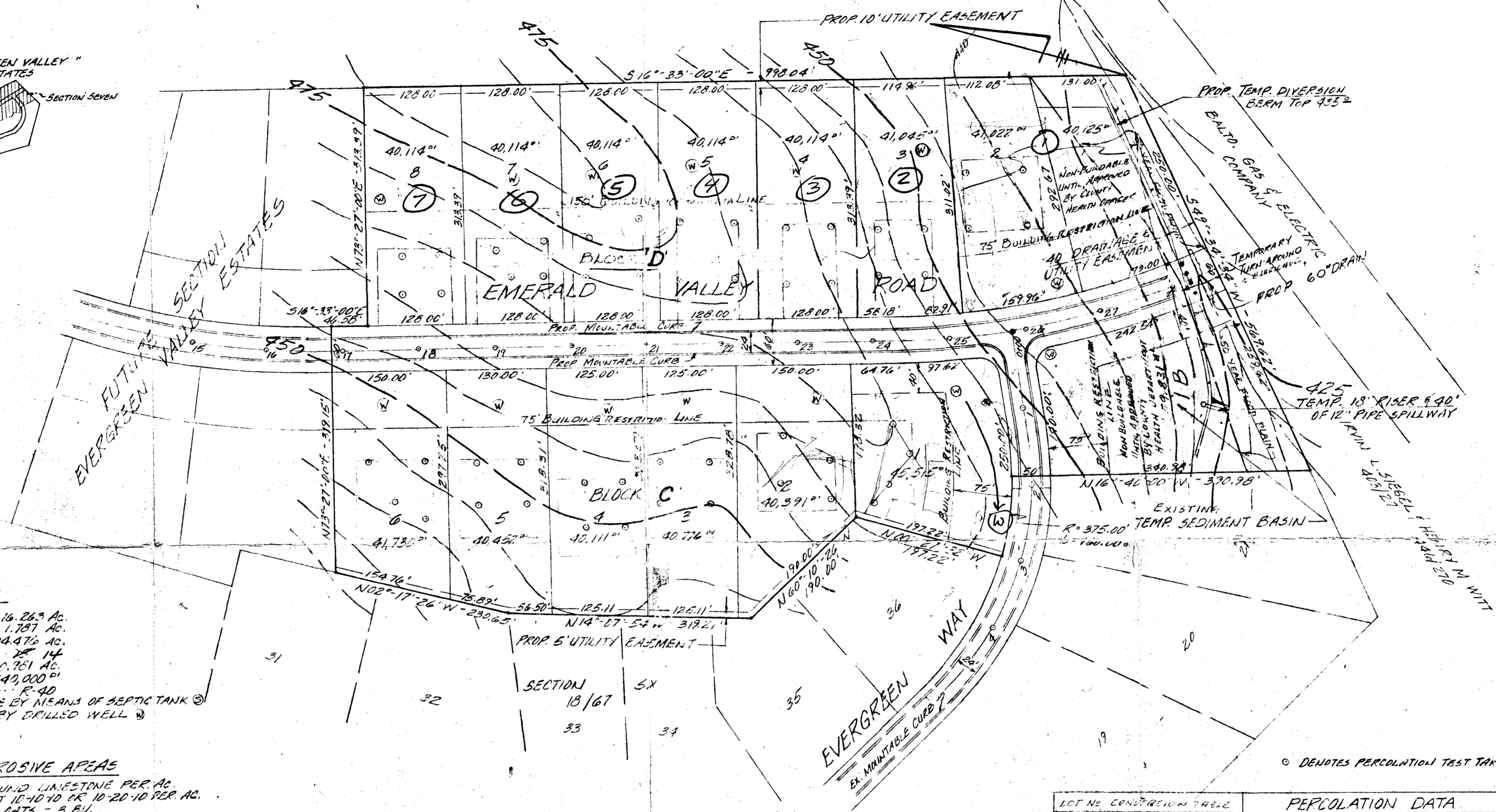
*N.T.*

*Set up file of meeting  
for me with Fred. F. Send him copy of letter.  
also write w.o. for consultation*

EVERGREEN VALLEY CORP.  
385/609



VICINITY MAP  
SCALE: 1"=200'



**GENERAL NOTES**

1. TOTAL AREA IN TRACT ..... 16.263 AC.
2. ROADS & STREETS ..... 1.797 AC.
3. RESIDENTIAL ACREAGE ..... 14.476 AC.
4. NUMBER OF LOTS ..... 14
5. AVERAGE LOT SIZE ..... 0.761 AC.
6. MINIMUM LOT SIZE ..... 40,000 SQ. FT.
7. PRESENT & PROPOSED ZONING ..... R-40
8. SEWERAGE DISPOSAL WILL BE BY MEANS OF SEPTIC TANK
9. WATER WILL BE SUPPLIED BY DRILLED WELL

**PROTECTION FOR EROSION AREAS**

LIME : 2 TONS OF AGR. GRADE LIME STONE PER AC.  
FERTILIZER 500-800\* AT 10-10-10 OR 10-20-10 PER AC.  
SEED PER ACRE : SPRING OATS - 3 BU.

NOTE: ALL WORK TO BE ACCOMPLISHED IN ACCORDANCE WITH STANDARDS FOR "PROTECTING EROSION AREAS WITH SHORT TERM SEEDING" AS SHOWN IN THE EROSION AND SEDIMENT CONTROL TECHNICAL HANDBOOK OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

LOT NO. CONSTRUCTION TREE				PERCOLATION DATA					
NEW	OLD	NEW	OLD	BLOCK D		BLOCK C		BLOCK A	
1B	1B	5C	6B	4B	4A	1	3	4	4
2B	3B	4B	5B	5A	5A	2	2	4	4
2C	3C	1D	1A	6C	6A	4	5	4	4
3C	4B	5B	7B	7A	7A	5	10	3 1/2	3 1/2
4C	5B	6A	6A	6A	6A	6	7	4	4
						7	1	7	4

A - AVERAGE PERCOLATION TIME IN MINUTES PER 2nd. INCH.  
B - MAXIMUM DEPTH FOR EFFLUENT PIPE TO ENTER SEWAGE DISPOSAL AREA AT ITS HIGHEST ELEVATION WITH REFERENCE TO EXISTING GRADE AT TIME OF PERCOLATION TEST.

# Evergreen Valley Estates

SECTION SEVEN  
PRELIMINARY PLAN  
THIRD ELECTON DISTRICT WEST FRIENDSHIP  
HOWARD COUNTY, MARYLAND  
SCALE: 1"=100' JANUARY, 1972

APPROVED FOR INDIVIDUAL WATER SUPPLY AND SEWAGE DISPOSAL  
*J. P. ...* 8.24.72  
HOWARD COUNTY HEALTH OFFICER

OWNER & DEVELOPER  
HUDSON CONSTRUCTION COMPANY, INC.  
8957 CHAPEL DRIVE ELLICOTT CITY  
HOWARD COUNTY, MARYLAND

STATE OF MARYLAND  
A. P. RATYCH, L.S.  
390 S. MAIN ST. BALTIMORE, MD. 21201  
PHONE 444-6328



NOT SENT

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**HOWARD COUNTY HEALTH DEPARTMENT**

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*Joyce M. Boyd, M.D., County Health Officer*

August 9, 1993

*Reply to:*

Mr. John A. Boender  
Boender Associates  
3230 Bethany Lane  
Ellicott City, Maryland 21042

RE: Evergreen Valley Estates - Lot 1D  
East Side of Emerald Valley Road  
at Evergreen Way  
P. N. 86349

Dear Mr. Boender:

On August 3, 1993 a small excavator, rather than the previously proposed auger machine, was used to determine the depth of fill material and depth to suitable soils on the above mentioned lot. The results of that test were inconclusive due to the limited depth penetration and limited time available for use of this type of excavating machine. A copy of the test results is enclosed.

If you wish to schedule additional tests to make the requested determination as explained in my letter of June 24, 1993, please call me at 313-2640. Plans for use of a faster, deeper excavating tool, such as a backhoe and allocation of sufficient time for the required digging are recommended.

If you have any questions relative to this matter, please do not hesitate to call.

Very truly yours,

Craig Williams, Program Director *RP*  
Water and Sewerage Program

RP/CW:jr  
Enclosure

**Boender**  
**Associates**  
INCORPORATED  
ENGINEERS • PLANNERS • SURVEYORS

June 14, 1994

Mr. Craig Williams  
Howard County Health Department  
3525 Ellicott Mills Drive  
Suite H  
Ellicott City, Maryland 21043

Re: Lot 1-D  
Evergreen Valley Estates

Dear Craig,

Please call when you receive.

Thank You,

  
John A. Boender  
President

Encl (1)

JAB/sb



# Boender Properties

INCORPORATED

404 PERMIT  
15 STATE PERMIT

June 30, 1994

Mr. Craig Williams, Program Director,  
Water & Sewerage Program  
Bureau of Environmental Health  
Howard County Health Department  
3525A Ellicott Mills Drive  
Ellicott City, MD 21043

Re: EVERGREEN VALLEY ESTATES. LOT 1-D

Dear Mr. Williams:

We request that your office issue a conditional sewerage disposal installation permit for the above referenced lot at this time. It is our position that further wet season testing would not be necessary for this Lot. Lot 1-B, which is approximately the same elevation as this Lot and on the opposite side of Emerald Valley Road, was tested during the wet season in 1991 by Mr. Rifkin of your office. His test pit #2 indicated water entering an 11 foot hole at a depth of approximately 8 feet. Test #2 was conducted at a surface elevation of approximately 435. This would give a water table elevation of approximately 427. Test #3 which was run 60 feet closer to Evergreen Way at a surface elevation of approximately 437, indicated water at approximately 5 feet below the surface. This would give a water table elevation of 432. These elevations are based on the approved preliminary plan. Field run elevations conducted by our office last summer indicated the lowest approved percolation test hole on Lot 1-D to be at 440.5. In projecting the water table to our lot this would allow for 8 1/2 feet above the highest water observed during the wet season in March of 1991. Additionally, in November of 1984, tests were conducted by yourself on the adjoining Lot 1-B which indicated the water table to be at approximately 431. In that there is not more than a foot fluctuation between the November and March tests, and in that these Lots are similar topographically, we would submit that the elevation should be constant for the water table and could be utilized on Lot 1-D. I wish to also point out that water has never been encountered on Lot 1-D during any of the tests conducted on the same, neither in the 1970's or in 1986.

Mr. Craig Williams  
June 30, 1994  
Page 2

With respect to the other concern that your office had re-grading fill on the subject of Lot 1-D, a review of the percolation tests conducted by Mr. Sid Abel in 1986 indicated fill material to a depth of 10 1/2 feet in his tests run along the common property line between Lots 1-D and 2-D. A review of the original topography shown on the preliminary plan from the early 70's indicate that a relatively smooth grade ran across Lots 1-D, 2-D and 3-D. For fill to exist on Lot 1-D to a depth of 10 1/2 feet the same would have been mounded above the adjoining Lot 2-D or Lot 2-D would have had to have been filled to an equal elevation. Since your office has already reviewed and approved the installation of a septic system which sets only 30 feet off of this common property line immediately adjoining Mr. Abel's tests, I would suggest that his allegation of fill material at 10 1/2 feet must be inaccurate. Neither a 10 1/2 foot mound exists on our lot nor would your office have installed a septic system on the adjoining lot in fill. Also the Filed Run Topography run by our office shows the grades to be consistent. This would allow even further repair area since it is not fill.

Another issue that has come up in the past regarding the minor swale running across the front of Lot 1-D as noted is a "drainage ditch" on Mr. Abel's test results. A review of the topography would indicate that any swale running across the front of the lot could not be carrying much drainage as Emerald Valley Road, which is a closed section road with curb, intercepts the majority of the water running towards the front of Lot 1-D. Any minor quantity of water which may be entering Lot 1-D certainly would not be enough to affect the sewerage disposal system. Additionally, the builder could grade to eliminate this swale thus allowing simple sheet flow at the time of construction. We would suggest this to be a condition of the building permit.

Finally, the question relevant to the berm which was installed in accordance with the approved preliminary plan, we would again submit that the berm be removed at the time of construction of a dwelling on the lot. This was outlined in my letter to Jack Sweeney, a copy of which was forwarded to Sid Abel of your office, in 1987. Additionally, I have contacted Bob Rolertsan of the Soil Conservation Service. He indicated this section 9 or 13 of the Water Quality Act (see 404) allowed removal of man made structures such as this. He will provide a copy of file if you need it.

Mr. Craig Williams

June 30, 1994

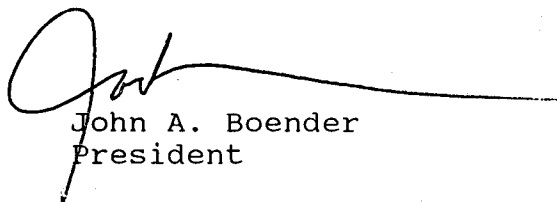
Page 3

In conclusion, based on the above information, I believe I have adequately addressed your office's concern of wet season testing. Water has never been encountered on this Lot and wet season testing on the adjoining Lot at a similar elevation adequately has established the seasonal high water elevation. Sid Abel's conclusion that 10 1/2 foot of fill material on the front of the Lot is obviously incorrect due to the grades. The minor swale of the front of the Lot will be filled at such time as the Lot is graded. Finally, the temporary sediment berm as indicated before will be removed at such time as the house is built on the Lots.

I appreciate your time in reviewing this material and allowing me to review your files on Lot 1-B as well as the additional information on Lot 1-D. I trust this information is sufficient and would request that your office issue the permit as indicated above so that Mr. Fyock may proceed.

Thank you for your cooperation in this as in all matters.

Yours truly,



John A. Boender  
President

cc: Jack Sweeney  
Jack Fyock

wms.lot

SIGNATURE OF ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

**DEVELOPER'S CERTIFICATE**

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

SIGNATURE OF DEVELOPER \_\_\_\_\_ DATE \_\_\_\_\_

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

U.S. SOIL CONSERVATION DISTRICT \_\_\_\_\_ DATE \_\_\_\_\_

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
APPROVED:

DISTRICT HOWARD SOIL CONSERVATION DIST. \_\_\_\_\_ DATE \_\_\_\_\_

THE SEDIMENT CONTROL SYSTEMS SHALL BE MAINTAINED AND OPERATED TO STABILIZE ANY REMAINING DISTURBED AREAS.

**TEMPORARY SEEDING NOTES**

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

**SEEDBED PREPARATION**

LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING. IF NOT PREVIOUSLY LOOSENED.

**SOIL AMENDMENTS**

APPLY 500 LBS. PER ACRE 10-10-10 FERTILIZER (4 LBS./1000 SQ. FT.)

**SEEDING**

FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 1 1/2 BUSHEL PER ANNUAL RYE (3.2 LBS./1000 SQ.FT.) FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS./ACRE OF WEEPING LOVEGRASS (0.7 LBS./1000SQ.FT.). FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOD.

**MULCHING**

APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1,000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 200 GALLONS PER ACRE (5 GAL./1,000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT ACRES, ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (6 GAL./1,000 SQ.FT.) FOR ANCHORING.

REFER TO THE 1986 MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

**PERMANENT SEEDING NOTES**

ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:

**SEEDBED PREPARATION**

LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

**SOIL AMENDMENTS**

APPLY TWO TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1,000 SQ.FT.) AND 600 LBS. PER ACRE 0-20-20 FERTILIZER (4 LBS./1,000 SQ.FT.) BEFORE SEEDING. HARROW MULCH INTO UPPER THREE INCHES OF SOIL AT TIME OF SEEDING. APPLY 400 LBS. PER ACRE 38-0-0 UREA-FORM FERTILIZER (9 LBS./1,000 SQ.FT.) AND 500 LBS. PER ACRE (11.5 LBS./1,000 SQ.FT.) OF 10-20-20 FERTILIZER.

**SEEDING**

FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 100 LBS. PER ACRE (2.3 LBS./1,000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 80 LBS./ACRE (4 LBS./1,000 SQ.FT.) KENTUCKY 31 TALL FESCUE AND 2 LBS. PER ACRE (0.05 LBS./1,000 SQ.FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THROUGH FEBRUARY 28, PROJECT SITE BY OPTION (1) - TWO TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) - USE 500; OPTION (3) - SEED WITH 100 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH TWO TONS/ACRE WELL ANCHORED STRAW. ALL SLOPES SHOULD BE HYDROSEEDED.

**MULCHING**

APPLY 1 1/2 TO 2 TONS PER ACRE (90 TO 100 LBS./1,000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE (5 GAL./1,000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT ACRES, ON SLOPES 8 FEET OR HIGHER USE 348 GALLONS PER ACRE (6 GAL./1,000 SQ.FT.) FOR ANCHORING.

**MAINTENANCE**

INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

\* FOR PUBLIC PONDS SUBSTITUTE CHEMUNG CROWNVECH AT 15 LBS./ACRE AND KENTUCKY 31 TALL FESCUE AT 40 LBS./ACRE AS THE SEEDING REQUIREMENT. OPTIMUM SEEDING DATE FOR THIS MIXTURE IS MARCH 1 TO APRIL 30.

**SEDIMENT CONTROL NOTES**

1. A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (992-2437).

2. ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.

3. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN (a) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DICES, PERIMETER SLOPES AND ALL GREATER THAN 3/4" b) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

4. ALL SEDIMENT TRAPS/BASINS MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12 OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.

5. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS (SEC. 51) SOD (SEC. 54), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.

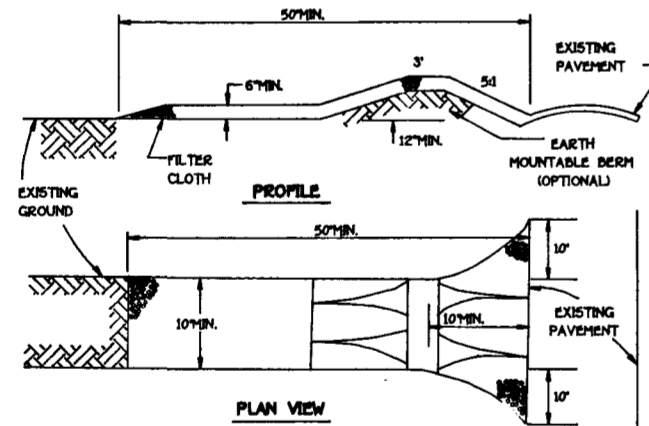
6. ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMITS FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.

7. SITE ANALYSIS:  
TOTAL AREA OF SITE 1.86 ACRES  
AREA DISTURBED 0.35 ACRES  
AREA TO BE ROOFED OR PAVED 0.07 ACRES  
AREA TO BE VEGETATIVELY STABILIZED 0.28 ACRES  
TOTAL CUT 1100 CU.YDS.  
TOTAL FILL 100 CU.YDS.  
OFFSITE WASTE/BORROW AREA LOCATION 100 CU.YDS.

8. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.

9. ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY DPW SEDIMENT CONTROL INSPECTOR, ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES.

APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT OTHER GRADING OR EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.



- 1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- 2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 30 FEET EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY.
- 3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
- 4. WIDTH - TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
- 5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.
- 6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL A MOUNTABLE BESH WILL BE PROVIDED.
- 7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND FOR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- 8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- 9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

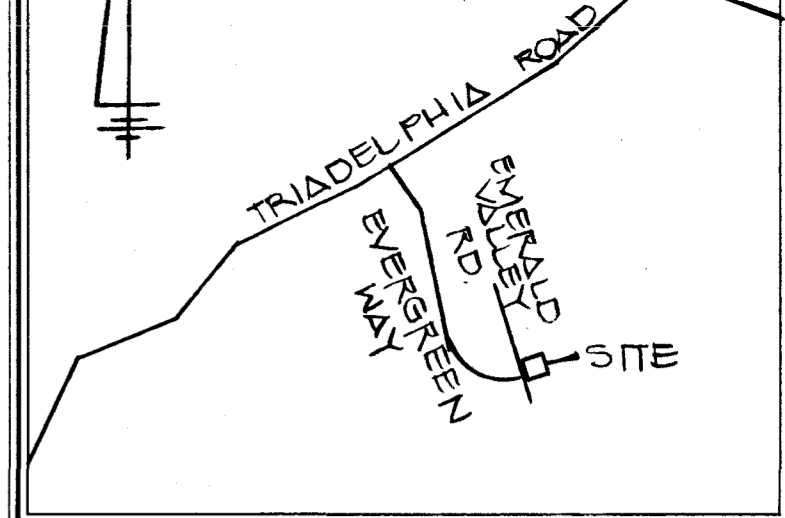
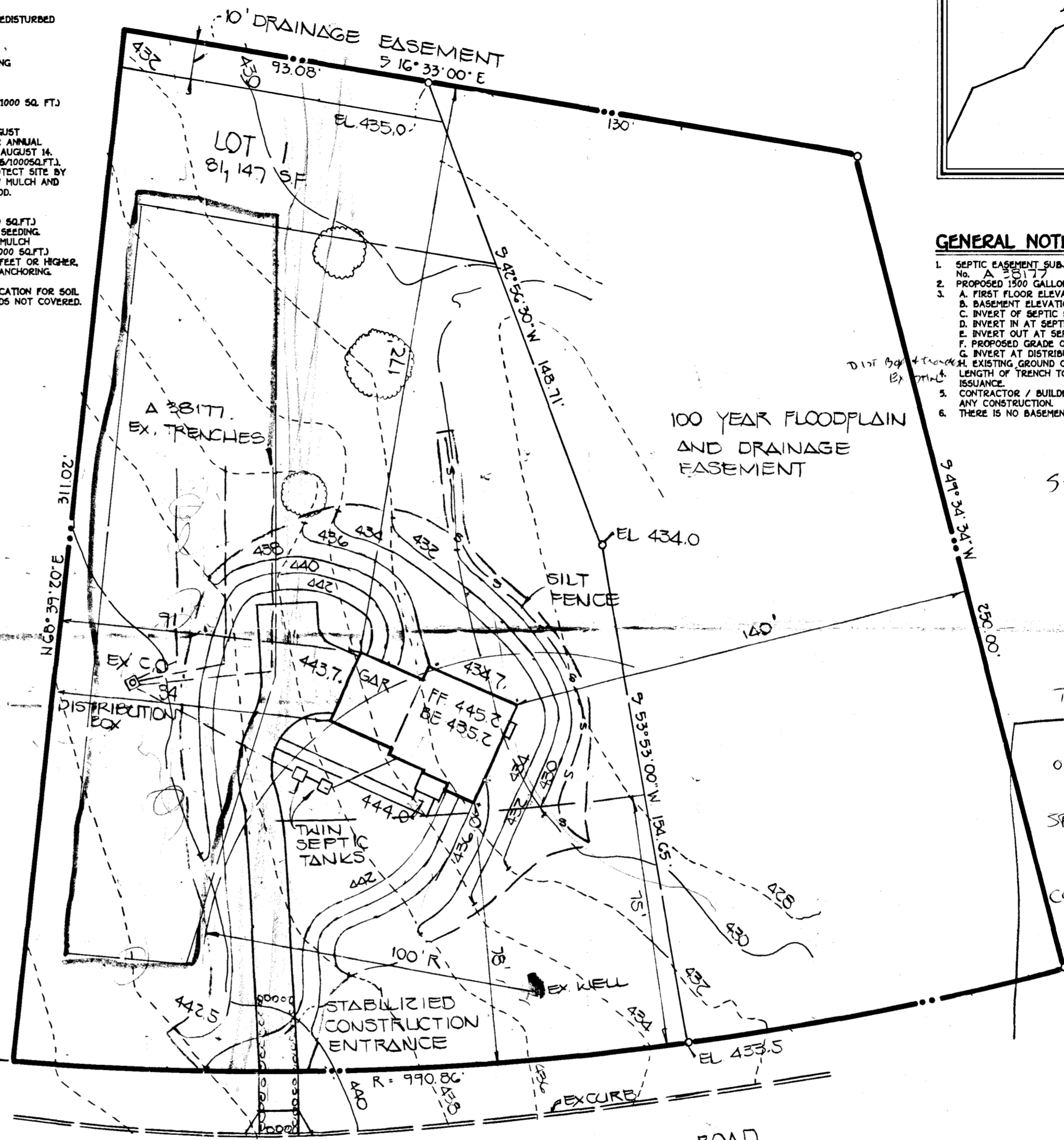
**STABILIZED CONSTRUCTION ENTRANCE - 2**  
NOT TO SCALE

**SILT FENCE**  
NOT TO SCALE

**CONSTRUCTION NOTES FOR FABRICATED SILT FENCE**

- 1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
- 2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
- 3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
- 4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

**STANDARD SYMBOL**



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

**GENERAL NOTES**

- 1. SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT No. A 2817
- 2. PROPOSED 1500 GALLON SEPTIC TANK 445.2
- 3. A. FIRST FLOOR ELEVATION 445.2
- B. BASEMENT ELEVATION 435.2
- C. INVERT OF SEPTIC SYSTEM AT HOUSE 438.2
- D. INVERT IN AT SEPTIC TANK 437.7
- E. INVERT OUT AT SEPTIC TANK 437.6
- F. PROPOSED GRADE OVER SEPTIC TANK 436.0
- G. INVERT AT DISTRIBUTION BOX 440.0
- H. EXISTING GROUND OVER DISTRIBUTION BOX 440.0
- I. LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
- J. CONTRACTOR / BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGINNING ANY CONSTRUCTION.
- K. THERE IS NO BASEMENT SERVICE TO SEPTIC SYSTEM.

*SPECIFY 2 TANKS TO BE CONNECTED TO EXISTING DISTRIBUTION BOXES/TRENCHES*

*TANKS NOT 100' TO WELL*

*WILL REQUIRE SEPTIC PERMIT SOON BEFORE BP*

*SPECIFY ALL TWO 6" TOP SEAMED SEPTIC TANKS WITH MANHOLE CLEANOUTS TO GRADE*

*1-1500 GAL TOP SEAMED COMPARTMENTED SEPTIC MANHOLE CLEANOUT TO GRADE*

PLAN TO ACCOMPANY APPLICATION FOR BUILDING PERMIT  
**EVERGREEN VALLEY ESTATES**  
SECTION 7  
LOT 1

TAX MAP 23 PARCEL 100  
3RD ELECTION DIST. WEST FRIENDSHIP HOWARD COUNTY, MARYLAND  
SCALE: 1"=30' DATE: NOVEMBER, 1994

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
971 BALTIMORE NATIONAL PIKE, SUITE 100  
ELLCOTT CITY, MARYLAND 21042  
(410) 461-2855

60899