

10/5/99
3/00

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 512724

A 510658

05-431212

DISTRICT _____

HOWARD COUNTY HEALTH DEPARTMENT

DATE 9/23/1999

BUREAU OF ENVIRONMENTAL HEALTH
~~XXXXXXXX~~ 410-313-2640

DATE SYSTEM APPROVED 10/5/99

INDEXED

INSPECTOR CW

Lehsac Plumbing & Heating _____ IS PERMITTED TO INSTALL ALTER _____

ADDRESS 202 Azar Court, Baltimore, Maryland 21227 PHONE 410-242-6888

SUBDIVISION Kreider Property LOT 3 ROAD 14616 Triadelphia Mill Road

PROPERTY OWNER Tom Pappas

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240

TRENCHES - Trench to be 3 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 6 feet below original grade. Effective area begins at 4 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Starting from the intersection of the 138.58' and 433.80' lot lines, place the distribution box 80 feet down the 433.80' and 130 feet off this same lot line. Run trenches on contour to front of lot.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. 7/5/99 OK JL

PLANS APPROVED BY Mark Rifkin/Craig Williams DATE 6-28-1999

COVER NO WORK UNTIL INSPECTED AND APPROVED

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

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

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

NOTE: IF DEEP TRENCH(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(ES)

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH

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

PERMIT VOID AFTER TWO YEARS

REQ. PERMIT SIGN'D
AND RETURNED 9-23-99
Serial # 510120470
signature

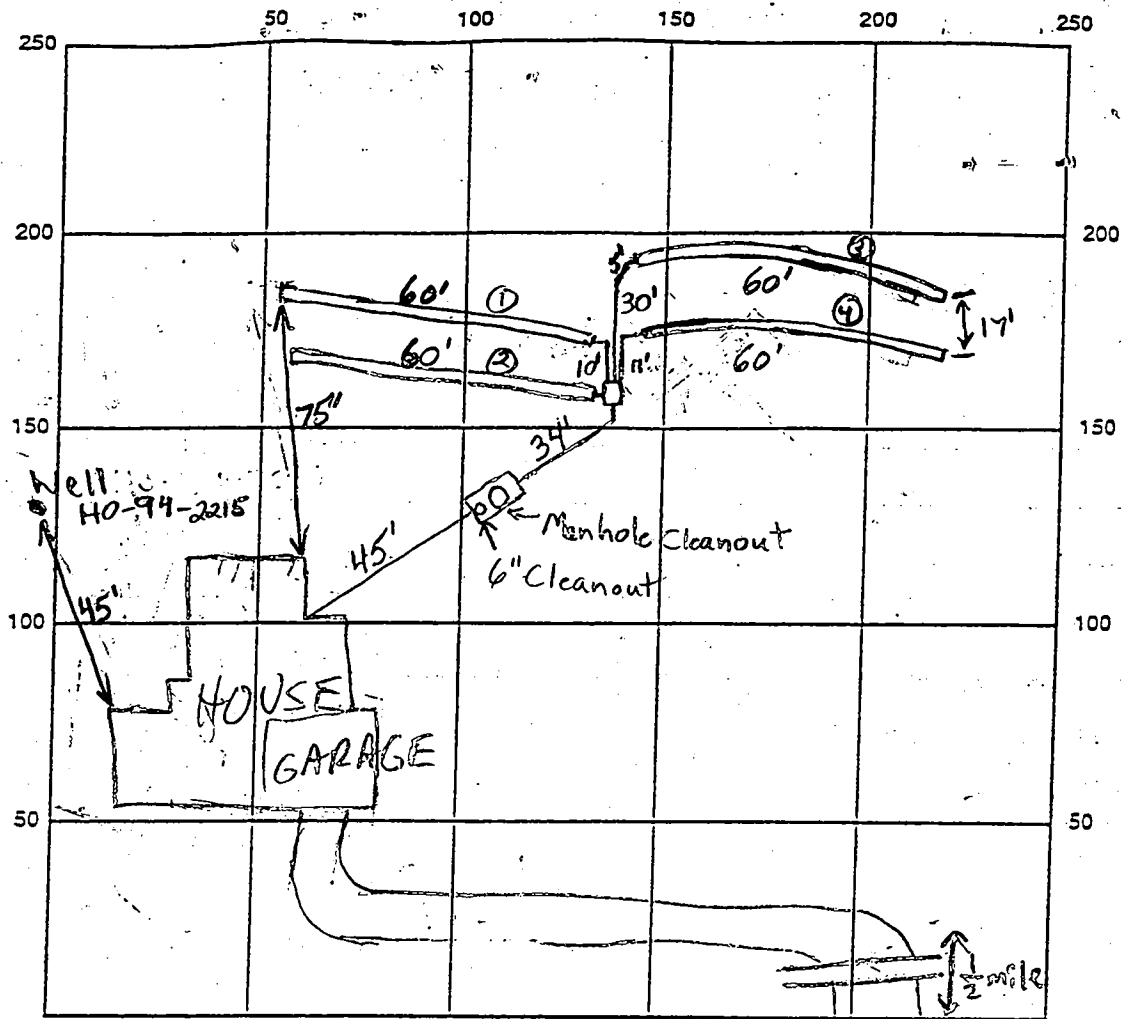
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON, CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

510658



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

TRIA. MILL RD.

SEPTIC TANK LEVEL 1250 gallon

CLEANOUTS 1-6" and 1 manhole for septic tank

DISTRIBUTION BOX LEVEL O.K.

DRAIN FIELD/TITLE DEPTH 6 FT.

TRENCH WIDTH 3 FT.

INLET DEPTH 4 FT.

EFFECTIVE GRAVEL DEPTH 2 FT.

TOTAL LENGTH 4x60 FT. (240ft. total)

NUMBER OF TRENCHES _____

ONE SIDEWALL/BOTTOM AREA 720 SQ. FT.

DRYWALL INSIDE DIAMETER N/A FT.

EFFECTIVE DEPTH BELOW INLET N/A FT.

ABSORBENT AREA N/A SQ. FT.

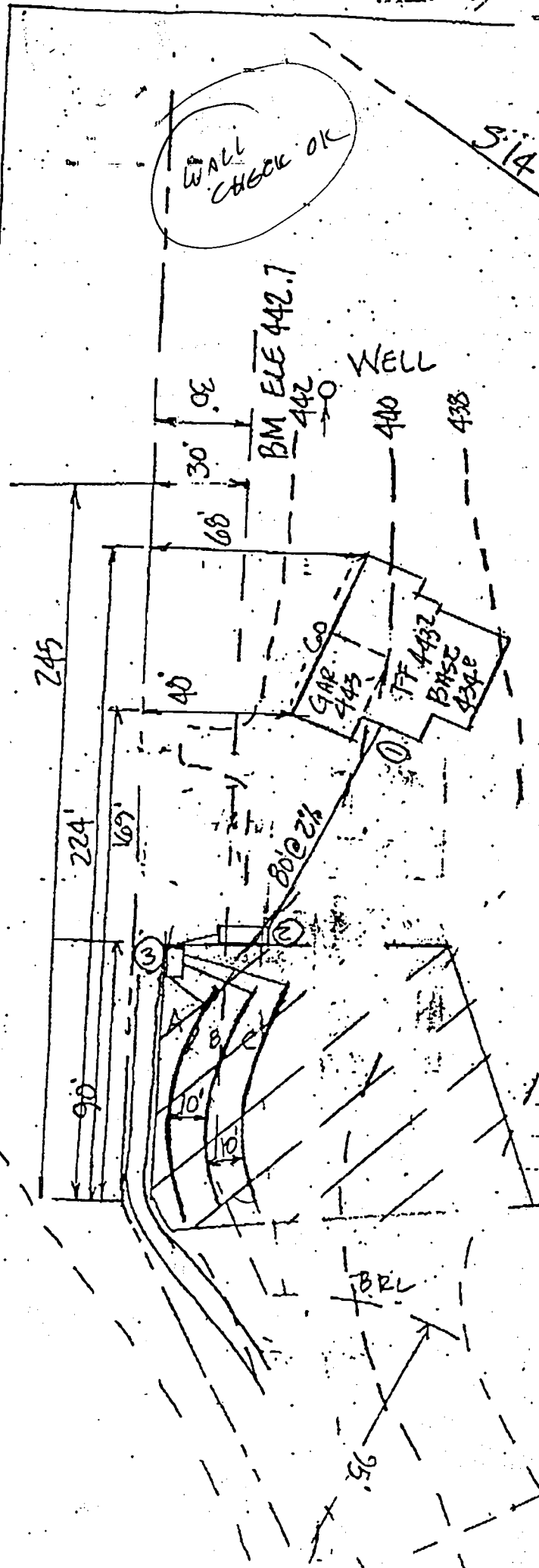
REMARKS: 10/5/99 House connection made. O.K. to cover to septic tank area.
Make sure trenches are run on contour. Not present for installation
of trench #2. (BB)

DATE SYSTEM APPROVED 10/5/99

INSPECTOR C. J. Williams

NO OBJECTION
 TO HOUSE ADJUSTMENT
 M. Rifkin
 How. Co. Hith.
 7/2/98

1:50



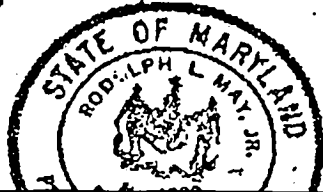
HOUSE FE 441. BASE 431

- ① INVERT AT WALL 440.1
- ② 1250 GALLON SEPTIC TANK
 EXIST GRADE 440
 PROP GRADE 440
 INVERT IN 438.5
 INVERT OUT 438.2

- ③ DISTRIBUTION BOX
 EXIST GRADE 442
 PROP GRADE 442
 INVERT IN 438

TRENCHES - 3 @ 3' WIDE X 80' LONG

	EXIST GRADE	INVERT	BOTTOM
A	440	436	434
B	439	435	433
C	438	434	432



S 46° 42' 49" E

APPLICATION

PERCOLATION TESTING

A 510658

P _____

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

DISTRICT _____

DATE 9-1-98

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 Tom Pappas

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION KREIDER PROPERTY LOT NO. 3

ROAD AND DESCRIPTION 14616 TRIADDELPHIA MILL RD

TAX MAP _____ PARCEL # _____

SIZE OF LOT _____ TYPE BLDG. _____
(SINGLE FAMILY DWELLING OR COMMERCIAL)

**APPROVAL PERMIT SKIPPED
AND RETURNED 6-28-99
Serial # B10118364
SFD-4 Bm**

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

COUNTY #

SOIL PROFILE

28

topsoil

red brn
cl Lm

pale org
red tan
si Lm

30%+
rock
frag

27

topsoil

org brn
cl Lm

pale org
brn
tan
si Lm

30%
rock
frag

29

topsoil

org red
brn
cl Lm

tan to
beige
si Lm

rock
pocket
25%

SOIL PROFILE

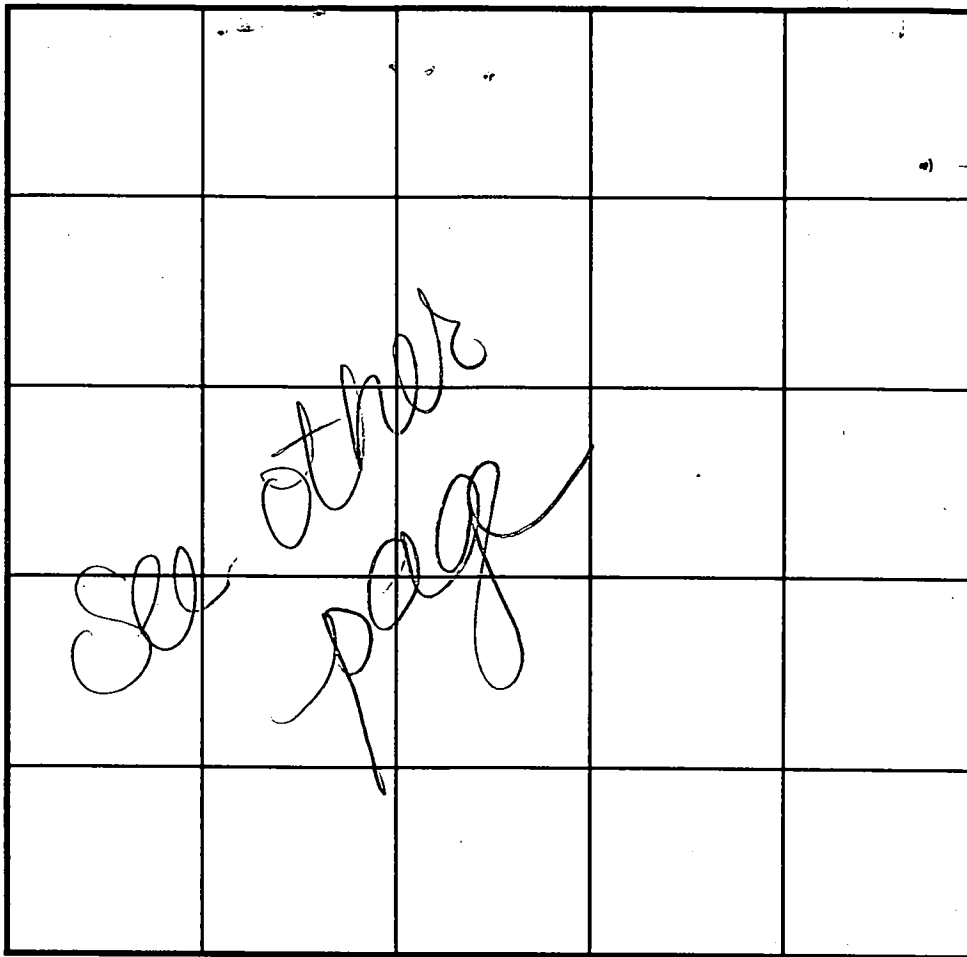
31

topsoil

org red
brn
cl Lm

pale
org beige
si Lm

15-20%
rock
frag



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12-10-98	28	2.5'S	10:55	11:11	11:11	11:30	19
		13.0'D	visual	- see	profile		OK
	27	4.0'S	11:59	12:19	12:19	11:41e slow	OK below
		12.0'D	visual	- see	profile		OK
	29	12.0'D	visual	- see	profile		OK
	31	12.0'D	visual	- see	profile		OK

REMARKS holes tested as stated

TYPE OF SOIL _____

TESTED BY _____ ALSO PRESENT _____

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

APPLICATION

PERCOLATION TESTING

A 510658

P _____

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

DISTRICT _____

DATE 9-1-98

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 John Keader

ADDRESS 14620 TRIDELPHIA MILLS ROAD PHONE 410 469-5988
DISTON, MD 21035

AGENT OR PROSPECTIVE BUYER Wick Lippert

ADDRESS PO Box 2695 Ellcott City, MD PHONE 410 465-6613
21001

PROPERTY LOCATION:

SUBDIVISION KEADER LOT NO. A (3)

ROAD AND DESCRIPTION TRIDELPHIA MILLS ROAD

TAX MAP 27 PARCEL # 22

SIZE OF LOT 1 ac (cluster) TYPE BLDG. Single Family Dwelling
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

[Signature]
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

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

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

THIS IS NOT A PERMIT

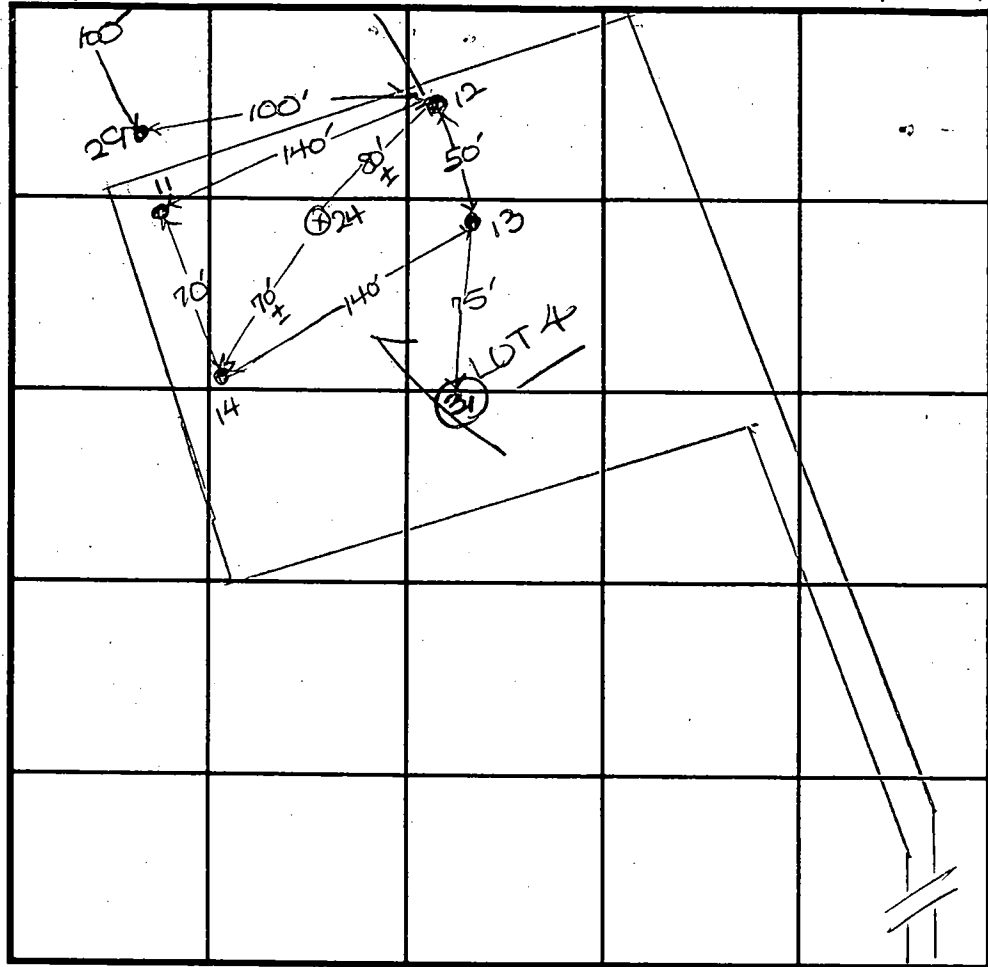
510658
COUNTY #

SOIL PROFILE
(14) (12)

0' topsoil
1' red org
brn
cl m
3.5' pale org
tan
to
beige
sa m
12' 3/4' 25% of
shale
frag

0' topsoil
1' org brn
cl m
4' tan
sa m
15-20%
shale
frag

0' topsoil
1' red org
brn
cl m
3.5' pale org
tan
sa m
12' 15%
shale
frag



SOIL PROFILE
(3)

0' topsoil
1' org brn
cl m
4' beige
sa m
5m veins
shale
25-35%

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
Triadelphia Mill Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9-24-08	14	3.5'S	11:03 ₂	11:20	11:20	little slow	OK below
		12' 3/4'	Visual	- See	profile		OK
	11	3.5'S	11:04 ₂	11:21 ₂	11:21 ₂	little slow	OK below
		12.0'D	Visual	- See	profile		OK
	24	12.0'D	Visual	- See	profile		OK
	12	4.0'S	11:35 ₂	11:37	11:37	11:39 ₂	3
		11.5'D	Visual	- See	profile		OK below
	13	13.0'S	11:41 ₂	slow			OK below
		12.0'D	Visual	- See	profile		OK

REMARKS: holes 11-14 tested as staked
 TYPE OF SOIL _____
 TESTED BY D. Sae ALSO PRESENT N. Liparini
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 3 TRENCH WIDTH 3
 INLET DEPTH 4.0 MAXIMUM BOTTOM DEPTH 6.0 SQ. FT./BEDROOM 180

COUNTY #

SOIL PROFILE

23

topsoil

org red
brn
cl Lm

tan
si Lm

>50%
rock
frag

26

topsoil

org red
brn
cl Lm

tan
si Lm

>50%
rock
frag

24

topsoil

red org
brn
cl Lm

beige
si Lm

15%
rock

SOIL PROFILE

25

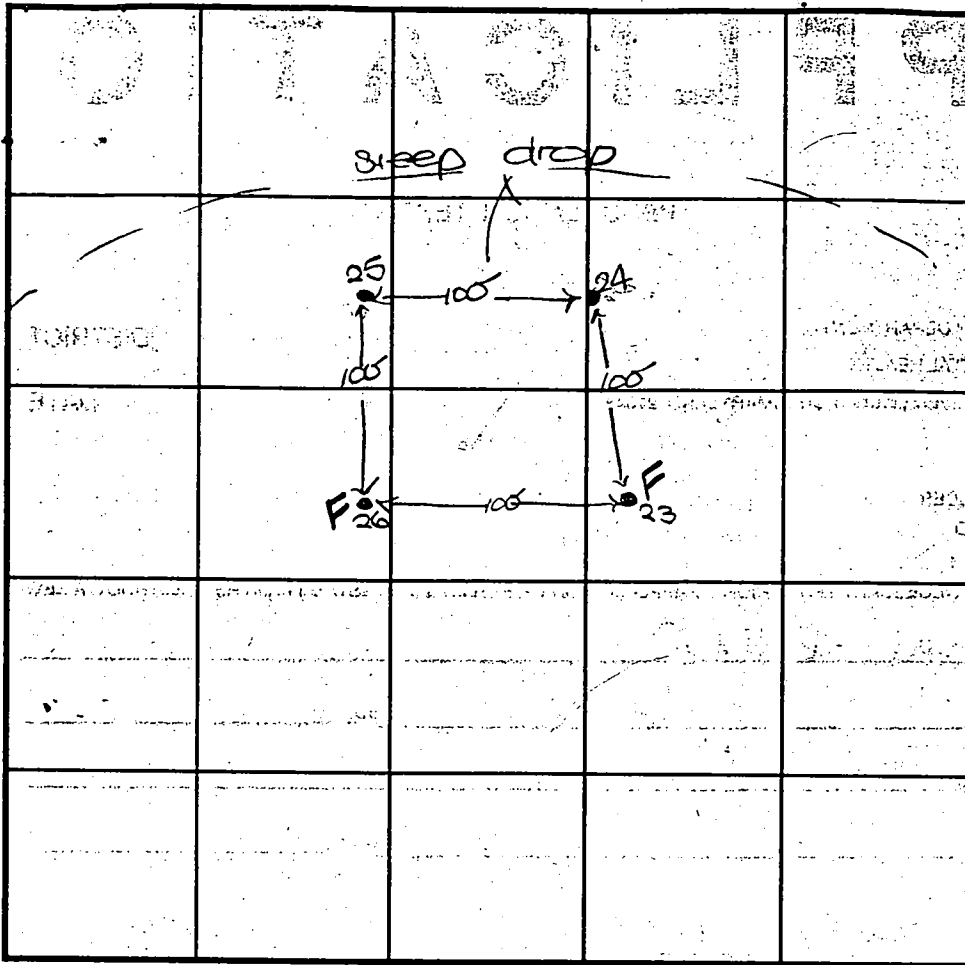
topsoil

red brn
cl Lm

tan
si Lm

w/sh
fr

15-20%
sh
fr



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12-10-98	23	10.0'D	visual	- see	profile		<u>FAIL</u>
	26	12.0'D	↓	↓	↓		<u>FAIL</u>
	24	12.0'D	↓	↓	↓		OK
	25	11.0'D	↓	↓	↓		OK

REMARKS

TYPE OF SOIL

TESTED BY D-See

ALSO PRESENT D. Feaga

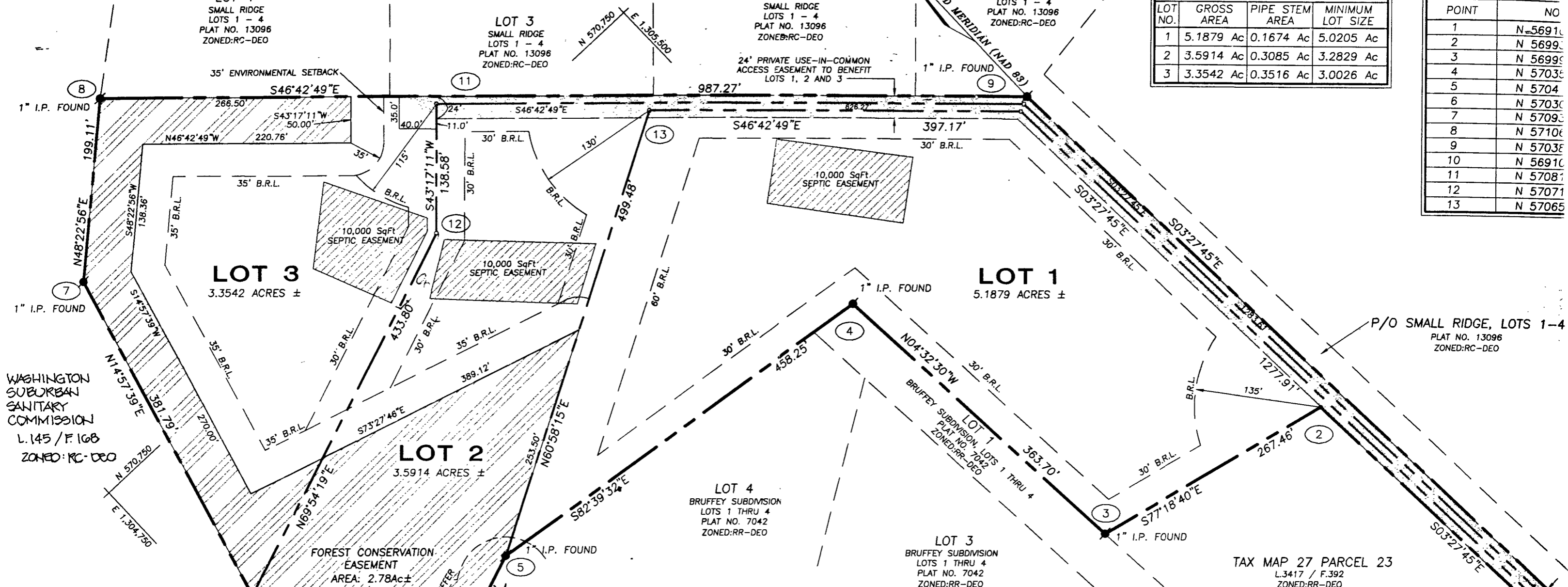
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM



LOT NO.	GROSS AREA	PIPE STEM AREA	MINIMUM LOT SIZE
1	5.1879 Ac	0.1674 Ac	5.0205 Ac
2	3.5914 Ac	0.3085 Ac	3.2829 Ac
3	3.3542 Ac	0.3516 Ac	3.0026 Ac

POINT	NO
1	N 5691.0
2	N 5699.0
3	N 5699.0
4	N 5703.0
5	N 5704.0
6	N 5703.0
7	N 5709.0
8	N 5710.0
9	N 5703.0
10	N 5691.0
11	N 5708.0
12	N 5707.0
13	N 5706.5

THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPT. OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENT INTO THE PRIVATE SEWAGE EASEMENT.

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

Mark C. Martin 4/20/99
 MARK C. MARTIN DATE
 PROFESSIONAL LAND SURVEYOR #10894
John R. Kreider 4/20/99
 JOHN R. KREIDER DATE
Elizabeth A. Kreider 4-20-99
 ELIZABETH A. KREIDER DATE

GENERAL NOTES

- DEED REFERENCE: L.1139 / F.165
- THE LOTS SHOWN HEREON COMPLY WITH MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT
- PROPERTY ZONED RR-DEO PER THE COMPREHENSIVE ZONING PLAN DATED OCTOBER 18, 1993.
- THIS PLAT IS BASED ON A FIELD RUN BOUNDARY SURVEY PERFORMED BY VOGEL & ASSOCIATES INC., ON OR ABOUT DECEMBER 12, 1998.
- THE BEARINGS SHOWN ON THIS PLAT ARE REFERRED TO THE SYSTEM OF COORDINATES ESTABLISHED IN THE MARYLAND COORDINATE SYSTEM (NAD 83) AS PROJECTED BY THE FOLLOWING HOWARD COUNTY GEODETIC CONTROL STATIONS:
 27FA (N) 569,002.156 (E) 1,306,892.545
 27F1 (N) 568,964.660 (E) 1,308,655.334
- BRL DENOTES BUILDING RESTRICTION LINE.
- DENOTES IRON PIN W/CAP SET
- DENOTES IRON PIPE OR IRON BAR FOUND.
- DENOTES ANGULAR CHANGE IN BEARING OF BOUNDARY OR RIGHTS-OF-WAY.
- DENOTES STONE OR MONUMENT FOUND.
- ALL AREAS SHOWN ARE MORE OR LESS.
- DRIVEWAY(S) SHALL BE PROVIDED PRIOR TO BUILDING PERMIT TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING (MINIMUM) REQUIREMENTS:
 - WIDTH - 14 FEET
 - SURFACE - SIX (6) INCHES OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING (1-1/2" MINIMUM);
 - GEOMETRY - MAXIMUM 15% GRADE, MAXIMUM 10% GRADE CHANGE AND 45 FOOT TURNING RADIUS;
 - STRUCTURES (BRIDGES/CULVERTS) - CAPABLE OF SUPPORTING 25 GROSS TONS (H25-LOADING)
 - DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100 YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE;
 - STRUCTURE CLEARANCES - MINIMUM 12 FEET;
 - MAINTENANCE - SUFFICIENT TO INSURE ALL WEATHER USE.
- FEE-IN-LIEU OF OPEN SPACE IN THE AMOUNT OF \$3,000.00 WAS APPROVED AND HAS BEEN PAID BY THE DEVELOPER.
- EXISTING HOUSE ON LOT 1 TO REMAIN.
- THE FOREST CONSERVATION OBLIGATIONS INCURRED BY THIS SITE 2.78 ACRES OF RETENTION HAVE BEEN MET BY THE CREATION OF A 2.78 ACRE FOREST CONSERVATION EASEMENT.
- NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN WETLANDS AT STREAM BUFFERS OR FOREST CONSERVATION AREAS.
- THE FOREST CONSERVATION EASEMENT HAS BEEN ESTABLISHED TO FULFILL THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY CODE, FOREST CONSERVATION ACT. NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE FOREST CONSERVATION EASEMENT; HOWEVER, FOREST MANAGEMENT PRACTICES AS DEFINED IN THE DEED OF FOREST CONSERVATION EASEMENT ARE ALLOWED.
- REFERENCE WAIVER (WP-99-93) APPROVED APRIL 15, 1999 TO ALLOW PIPES TO EXCEED 1500 FEET IN LENGTH IN A NON CLUSTER SUBDIVISION IN THE RR ZONED DISTRICT, LOTS 2 AND 3.
- THE DEVELOPER RESERVES UNTO ITSELF, ITS SUCCESSORS AND ASSIGNS, ALL EASEMENTS SHOWN WATER, SEWER, STORM DRAINAGE AND OTHER PUBLIC UTILITIES LOCATED IN, OVER AND THROUGH ANY AND ALL CONVEYANCES OF AFORESAID LOTS SHALL BE SUBJECT TO THE EASEMENTS HEREIN

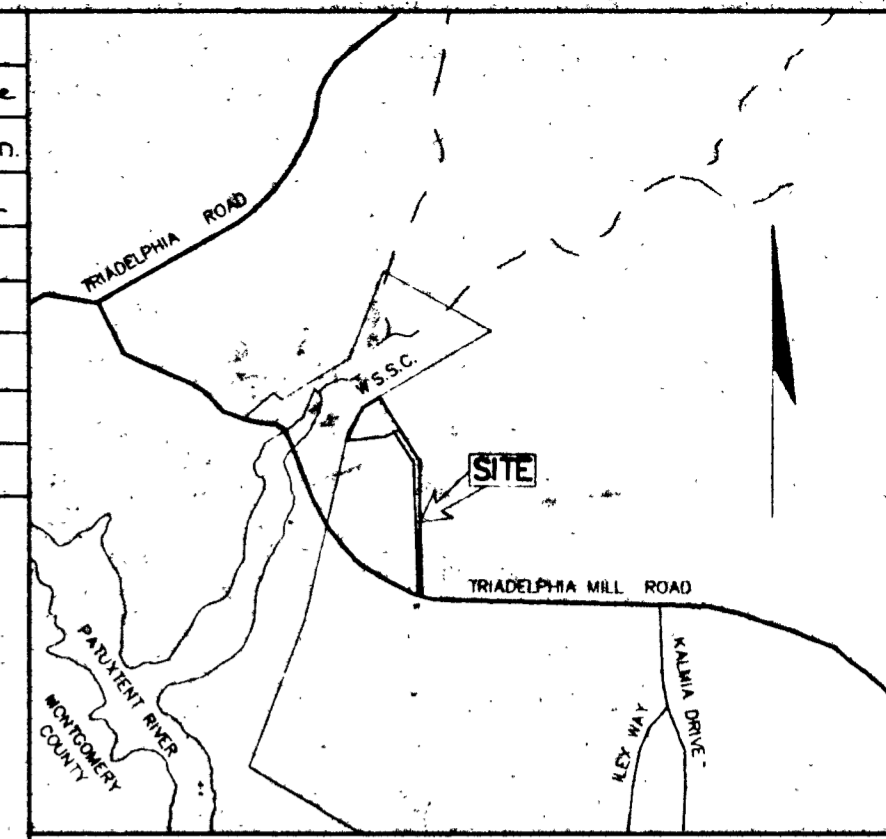
copy of signed final
 F-99-120

TAX MAP 27 PARCEL 23
 L.3417 / F.392
 ZONED:RR-DEO

24' PRIVATE USE-IN-COMMON ACCESS EASEMENT TO BENEFIT LOTS 1, 2 AND 3

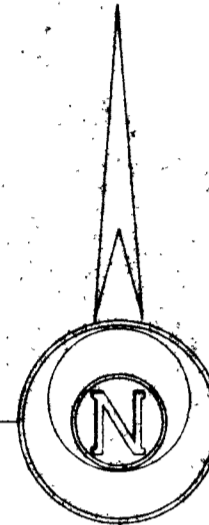
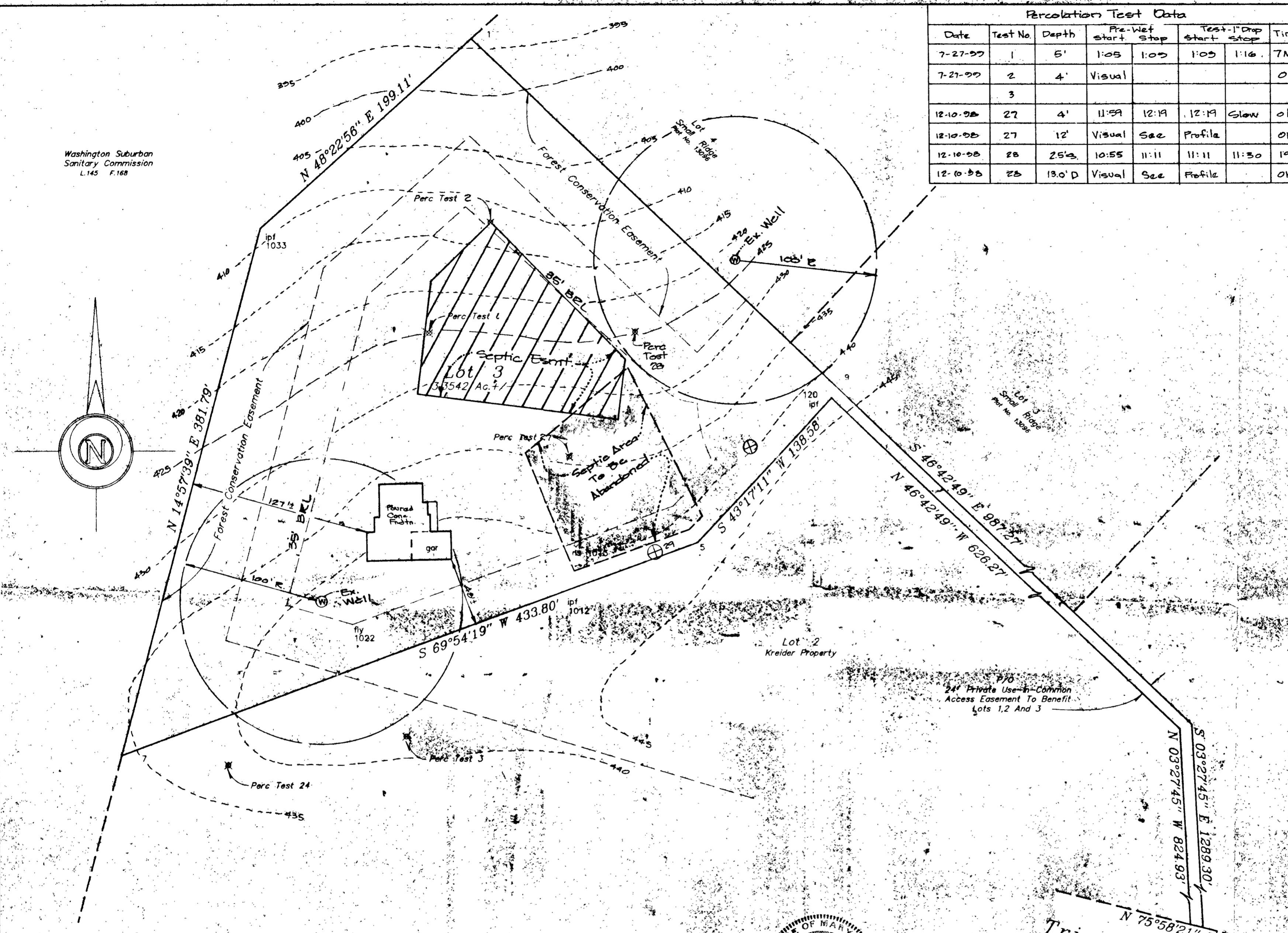
Washington Suburban
Sanitary Commission
L.145 F.168

Percolation Test Data							
Date	Test No.	Depth	Pre-Wet Start	Pre-Wet Stop	Test 1" Drop Start	Test 1" Drop Stop	Time
7-27-99	1	5'	1:05	1:05	1:05	1:16	7 Min.
7-27-99	2	4'	Visual				OK
	3						
12-10-98	27	4'	11:59	12:19	12:19	Slow	OK
12-10-98	27	12'	Visual	See	Profile		OK
12-10-98	28	25's	10:55	11:11	11:11	11:30	10
12-10-98	28	13.0'D	Visual	See	Profile		OK



Vicinity Map
Scale: 1" = 2000'

Note: The purpose of this plat is to abandon the original approved Septic Area and establish limits of New Septic Area.



This is to certify that all wells and septic systems within 100' of property boundaries have been shown.

D. Wayne Weller 9/8/99
D. Wayne Weller MD Reg # 10698

Triadelphia Mill Road
(Minor Collector) - 60' Right Of Way

OWNER/DEVELOPER
Tom Pappas
202 Azar Court
Baltimore, Maryland 21227

LDE, INC
9250 Rumsey Road - Suite 106
Columbia, Maryland 21045
Phone: (410) 715-1070

Percolation Test Certification Plat

Kreider Property
Lot 3

Zoned: RR-DEO
Tax Map No: 27 Block: 16 Parcel No: 96
Fifth Election District
Howard County, Maryland
Date: Aug. 31, 1999 Scale: 1" = 50' Sheet 1 of 1

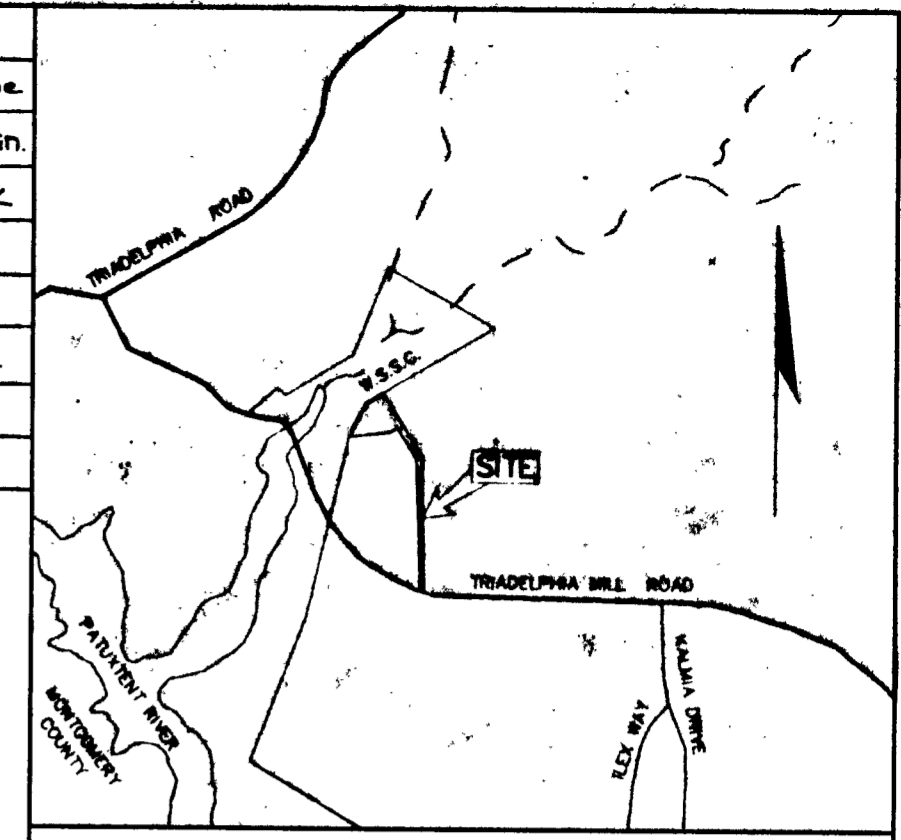
THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPT. OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE HOWARD COUNTY HEALTH DEPARTMENT
Dore M. Matoseff 9/20/99
Howard County Health Officer cw DATE

c:\land\jch\pappasbase.570

Washington Suburban
Sanitary Commission
L.145 F.168

Percolation Test Data							
Date	Test No.	Depth	Pre-Wet start	Pre-Wet stop	Test-1 Drop start	Test-1 Drop stop	Time
7-27-97	1	5'	1:05	1:09	1:09	1:16	7 Min.
7-27-97	2	4'	Visual				OK
	3						
12-10-98	27	4'	11:59	12:19	12:19	Slow	OK
12-10-98	27	12'	Visual	See	Profile		OK
12-10-98	28	25'	10:55	11:11	11:11	11:30	10
12-10-98	28	13.0'	Visual	See	Profile		OK

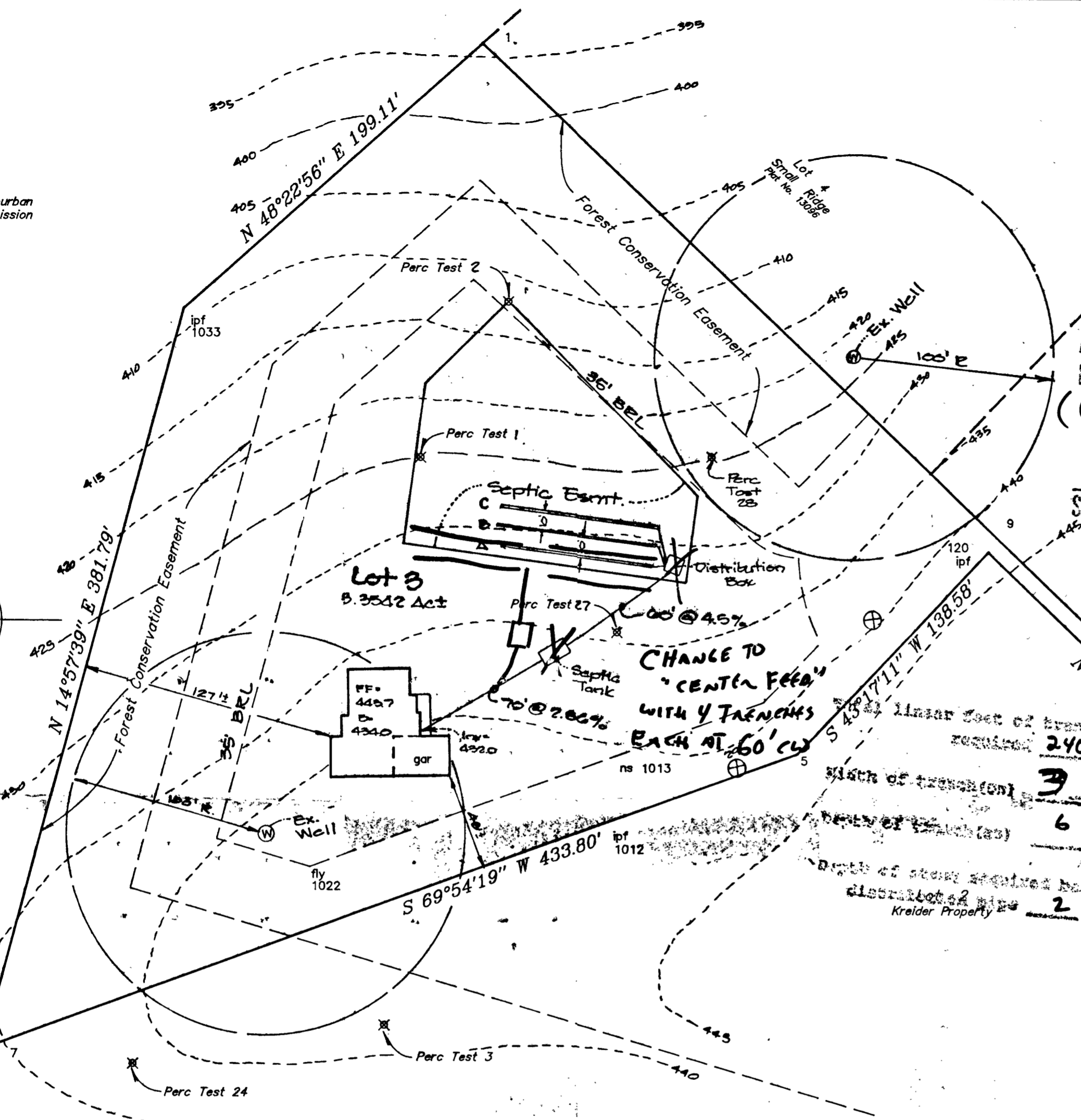
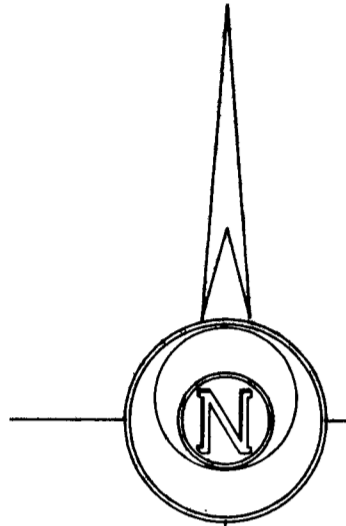


Vicinity Map
Scale: 1" = 2000'

Approved Septic System Plan
Howard County Health Department
(POST BP REVISION)
060118364 - SFD 4 BR

(PERC CURR PLAN)
FOR THIS
REVISED SEPTIC ALGA
SENT FOR
SIGNATURE
9/20/99

Car Wilkins 9/20/99
Signature Date



CHANGE TO
"CENTRA FEED"
WITH 4 TRENCHES
EACH AT 60' CW

Linear feet of trench required 240 feet
Width of trench(es) 3 feet
Depth of trench(es) 6 feet
Depth of stone required below distribution pipe 2 feet
Kreider Property

Septic System Design Data

- Invert @ Wall: 432.0
- 1250 Gallon Septic Tank (4 Bedrooms)
Provide Manhole to Finished Grade
Ex. Grade @ Tank: 436.0
Fin. Grade @ Tank: 436.0
Invert In: 430.0
Invert Out: 429.7
- Distribution Box: (3 outlets Minimum Req'd)
Ex. Grade @ Box: 431.0
Fin. Grade @ Box: 431.0
Invert In: 427.0
Trench Design (180 Sq. Ft. / Bedroom)
180 Sq. Ft. x 4 Bedrm = 720 Sq. Ft. + 3 ft. = 240 L.F. Trench Req'd.

	(A)	(B)	(C)
Ex. Grade @ Trench:	431.0	430.0	429.0
Invert @ Trench:	426.7	426.0	425.0
Bottom of Trench:	424.7	424.0	423.0
Trench Width:	3 ft.	3 ft.	3 ft.
Trench Length:	80 ft. max.	80 ft. max.	80 ft. max.

Triadelphia Mill Road
(Minor Collector) - 60' Right Of Way

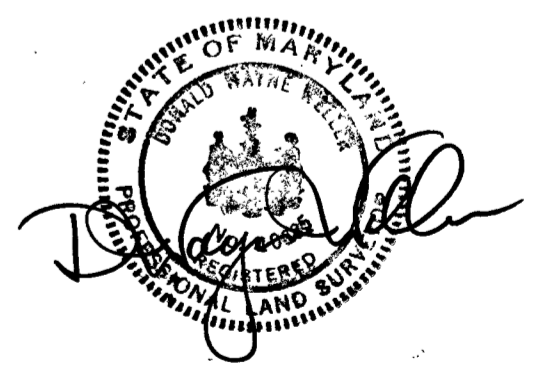
OWNER/DEVELOPER
Tom Pappas
202 Azar Court
Baltimore, Maryland 21227

LDE. INC
9250 Rumsey Road - Suite 106
Columbia, Maryland 21045
Phone: (410) 715-1070

Approved Septic System Design

Kreider Property
Lot 3

Zoned: RR-DEO
Tax Map No: 27 Block: 16 Parcel No: 96
Fifth Election District
Howard County, Maryland
Date: Aug. 31, 1999 Scale: 1" = 50' Sheet 1 of 1



/Users/land/JOHN/pappas/ps.570



RECEIVED
SEP 07 1999

HOWARD COUNTY HEALTH DEPARTMENT

Diane L. Matuszak, M.D., M.P.H., County Health Officer

September 3, 1999

To: Wayne Weller
LDE

From: Craig Williams (CW)
Sanitarian

Subject : Review comments to percolation test certification plat
for Lot 3 Krieder Property - 14616 Triadelphia Rd.

- ✓ - the document should have a purpose statement indicating intent to substitute a new septic area for the area originally recorded;
- ✓ - show the septic area being replaced and distinguish it from the area being added; use the "hatchmark" symbol from the sewage easement statement to identify the new area, and develop a differnt symbol to show the area being abandoned;
- ✓ - test holes should be labelled with the correct test hole numbers, or left without identifying numbers at all, a distinction between older test holes and those recently dug would be sufficient;
- ✓ - the proposed septic area should be "squared" to the contour in order that trenches of reasonable length can be efficiently installed parallel to contour within the redesignated septic area;

the corners of the new proposed septic area should be staked for field inspection, the "field view" at the time of testing seemed quite different than the "paper view", and we should be certain that this revised plan accurately depicts field conditions prior to final approval;

- ✓ - once confidence is gained in the revised septic area, then revised septic system plans may be submitted using the same trench dimensions approved on the original building permit site plan, but relocated to the upper portion of the changed septic area.

Will be available for your inspection 9/10/99

cc: Tom Pappas, Jim May

FILED CHECK OK 9/10/99 (CW)



O'BRIEN & GERE
ENGINEERS, INC.

September 3, 1999

Mr. Craig Williams
Howard County Department of Health
3430 Court House Drive
Ellicott City, Maryland 21043-4330

Re: Summer Bypass of Glenelg High School
Water Reclamation Plant

File: 6796/22322

Dear Mr. Williams:

You may recall from previous conversations with our office, that O'Brien & Gere Engineers, Inc. (O'Brien & Gere) was contracted by the Howard County Public School System (PSS) to design a new Water Reclamation Plant (WRP) for the Glenelg High School. The project includes a new pump station to collect wastewater from the high school, and a new force main to carry it to the WRP which will be located in the vicinity of Western Elementary School #3. In the future, a new middle school will be constructed near the elementary school. The WRP will provide wastewater treatment for flows from the high school and middle school. The elementary school flows will continue to be treated by its existing septic system and sand filtration system.

During summer months, when flows generated at the schools are low due to reduced attendance, the PSS would like to bypass the WRP, sending high school and middle school flows to the elementary school system. Shutdown of the WRP would eliminate unnecessary operation and maintenance of the plant and their associated costs. This downtime would also provide a period of preventive maintenance prior to resuming operation of the WRP for a new academic year. Furthermore, the minimum design flow for the new WRP (assuming 3 of the 4 new treatment basins would be shutdown) is 6500 gallons per day (GPD). The anticipated summer flows from the high school (including expansion) and the middle school only total 3523 GPD.

The capacity of the elementary school's treatment system is sufficient to accommodate the summer flows from the three schools. The treatment system accommodates a population of 635 while school is in session. During summer months, combined population from the three schools is expected to total 310, with reduced wastewater flows (no cafeteria or showers in operation).

The construction schedule for this project includes startup of the new WRP in September 2000. We understand that a "permit" is not required, however, by summer 2001 the PSS would like to have reached an agreement with your department regarding the WRP bypass.



O'Brien & Gere Engineers, Inc., an O'Brien & Gere company
5000 Brittonfield Parkway / P.O. Box 4873, Syracuse, New York 13221-4873
(315) 437-6100 / FAX (315) 463-7554 • [http:// www.obg.com](http://www.obg.com)
... and offices in major U.S. cities

i:\13s\projects\6796\22322\2_corresp\healthdept.doc

Mr. Craig Williams

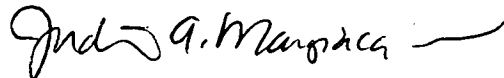
September 3, 1999

Page 2

Please review this information and contact me at (315) 437-6100, or Mr. Walter M. Schneider of the PSS at (410) 313-6810 with questions.

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.

A handwritten signature in cursive script, reading "Judith A. Mangiacapra", followed by a horizontal flourish line.

Judith A. Mangiacapra, P.E.
Project Associate

cc: Walter M. Schneider - Howard Co. Public School System



HOWARD COUNTY HEALTH DEPARTMENT

Diane L. Matuszak, M.D., M.P.H., County Health Officer

September 3, 1999

To: Wayne Weller
LDE

From: Craig Williams (CW)
Sanitarian

Subject : Review comments to percolation test certification plat
for Lot 3 Krieder Property - 14616 Triadelphia Rd.

- the document should have a purpose statement indicating intent to substitute a new septic area for the area originally recorded;
- show the septic area being replaced and distinguish it from the area being added; use the "hatchmark" symbol from the sewage easement statement to identify the new area, and develop a different symbol to show the area being abandoned;
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- the proposed septic area should be "squared" to the contour in order that trenches of reasonable length can be efficiently installed parallel to contour within the redesignated septic area;
- the corners of the new proposed septic area should be staked for field inspection, the "field view" at the time of testing seemed quite different than the "paper view", and we should be certain that this revised plan accurately depicts field conditions prior to final approval;
- once confidence is gained in the revised septic area, then revised septic system plans may be submitted using the same trench dimensions approved on the original building permit site plan, but relocated to the upper portion of the changed septic area.

cc: Tom Pappas, Jim May



HOWARD COUNTY HEALTH DEPARTMENT

Diane L. Matuszak, M.D., M.P.H., County Health Officer

August 9, 1999

Tom Pappas
202 Azar Ct.
Baltimore, Md. 21227

Re: Percolation test results
Application A512028
Lot 3 Kreider Property
14616 Triadelphia Rd.

Dear Mr. Pappas,

Percolation testing was conducted August 27, 1999 at the above referenced property with the intent of adjusting the designated sewage disposal area. (copy of the test results enclosed)

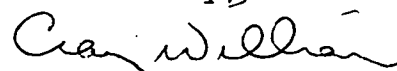
Test results were mixed due to sporadic bedrock, and the actual test locations seemed to be quite different than proposed. The general topography was more severe than suggested by the test plan and it seems unlikely that the intended outcome can be readily accomplished.

Your builder was present at the time of evaluation, and based on his comments we will consider the effort to establish a new septic area to be discontinued and are prepared to issue the septic system permit for the originally designated location.

On the other hand, if further consideration is requested, please have a test certification plat prepared and submitted to this office for review. The document should be at a scale of not less than 1' to 100', and show property boundaries, wellsite, building location, excavated test hole locations and a proposed sewage disposal easement overlain on current topography field matched to existing site conditions.

Please feel free to contact me at this office if you have any questions regarding documentation requirements or any other aspect of this evaluation.

Yours truly,


Craig Williams,
Sanitarian

cc: Jim May - builder

✓ FILE

7/27/99
12:00

APPLICATION

PERCOLATION TESTING

A 512028

P _____

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

DISTRICT _____

DATE 7/26/99

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 Tom Pappas

ADDRESS 22 ARAR CT. Balt., MD 21227 PHONE 443-280-7160

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Kreider Property LOT NO. 3

ROAD AND DESCRIPTION 14610 Triadelphia Mill Road

TAX MAP _____ PARCEL # _____

SIZE OF LOT 3 Acre TYPE BLDG. SFD
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. [Signature]
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

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

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

THIS IS NOT A PERMIT

COUNTY #

SOIL PROFILE

0' - ① CLAY

4 1/2' - MICA LOAM
10% SAPROLITE

7' - POCKET
50% Boulders

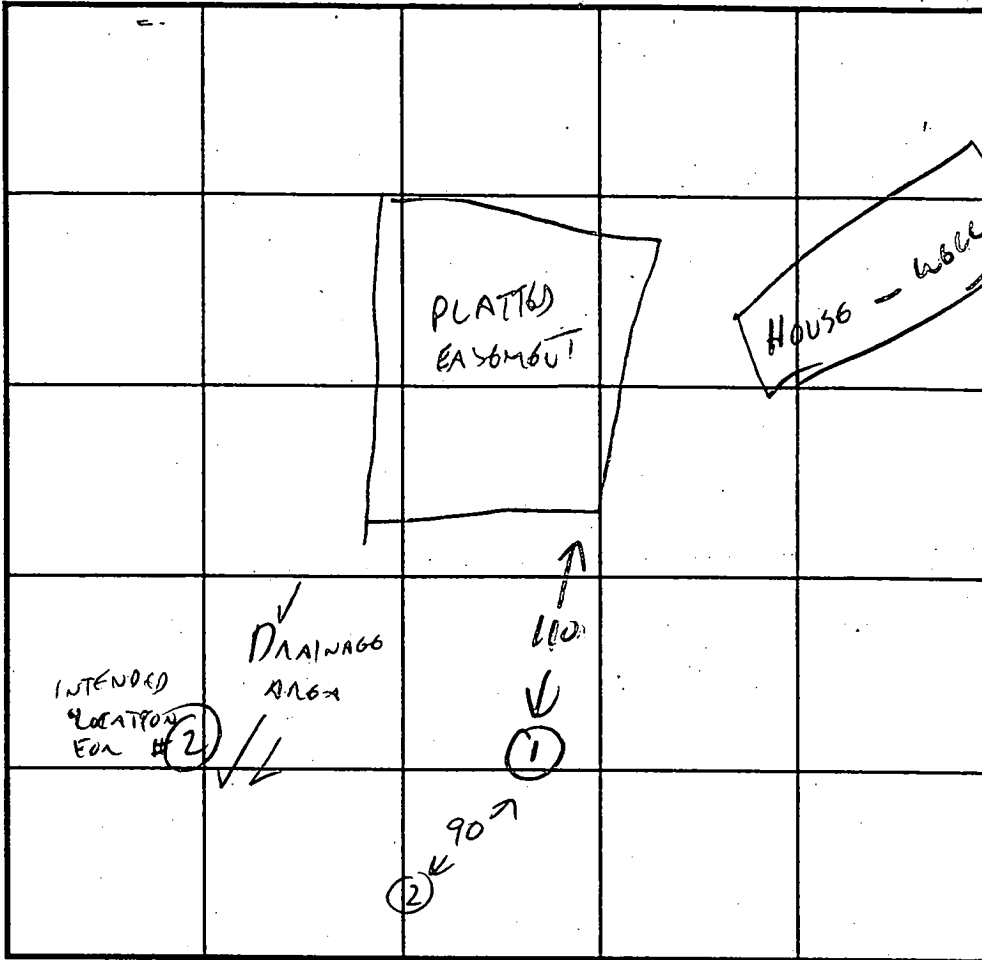
10' - MICA LOAM
10% SAPROLITE

13' -

②

4' - MICA LOAM
POCKETS
20%
SAPROLITE

12' -



SOIL PROFILE

0' -

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7/27/99	1	5'	1:05	1:09	1:09	1:16	7min
	2	4'	UIS	OK	4	-12'	

REMARKS TEST LOCATION NOT AS PLANNED - MIXED SOIL CONDITIONS

TYPE OF SOIL POOR LANDSCAPE POSITION - RECOMMEND DISCONTINUE

TESTED BY C. Waller ALSO PRESENT ROD MAY

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

N48°22'56"E

199.11'

S46°42'49"E

EXISTING WELL

BROAD PRONOUNCED SWAGE

30' B.R.L.

7/27/99
PENC TEST RUN
FOR SLOTTED
ADJUSTMENT
TEST DATE 90

2 HOLE
SEEMS
TO BE
THIS VICINITY

LOT 1
3.00 ACRES ±

STRONG BLOND
RIDGE

PROP HOUSE

PROPOSED WELL

10,000 Sq Ft
SEPTIC EASEMENT

10,000 Sq Ft
SEPTIC EASEMENT

LOT 2
3.28 ACRES ±

31

400

405

410

415

100'

95'

438.8

445.0

426.8

443.1

441.6

435.0

291

442.0

447.5

60' B.R.L.

100'

30' B.R.L.

30' B.R.L.

30' B.R.L.

30' S.R.L.

26 A

SEPTIC EASEMENT

60' B.R.L.

THIS VICINITY

7/27/99

PENC TEST RUN

FOR SLOTTED

ADJUSTMENT

TEST DATE 90

LOT 1

3.00 ACRES ±

STRONG BLOND

RIDGE

PROP HOUSE

PROPOSED WELL

10,000 Sq Ft

SEPTIC EASEMENT

10,000 Sq Ft

SEPTIC EASEMENT

LOT 2

3.28 ACRES ±

60' B.R.L.

100'

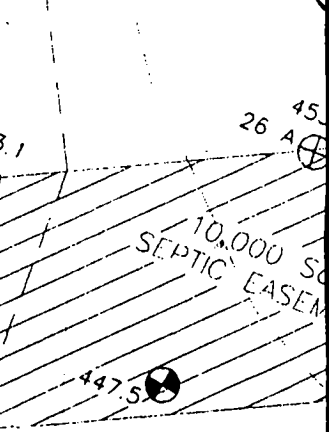
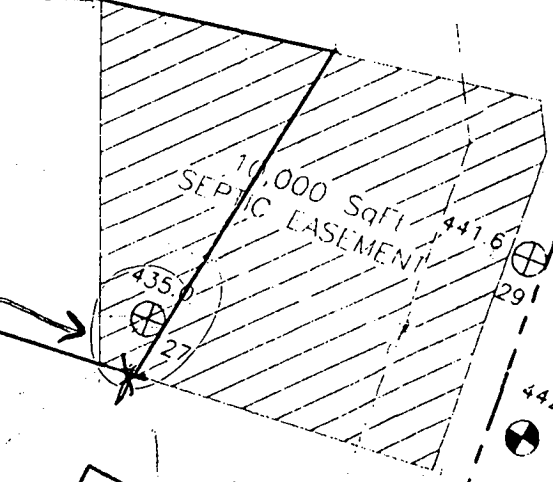
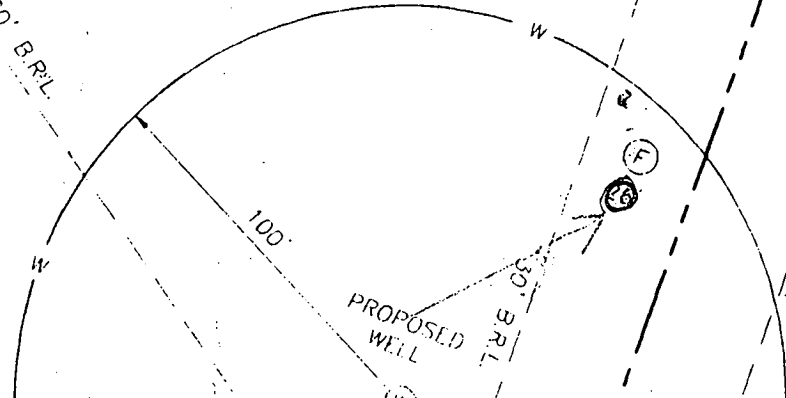
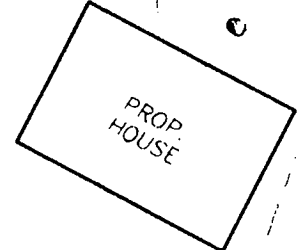
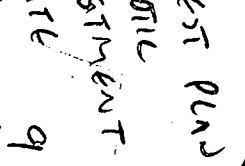
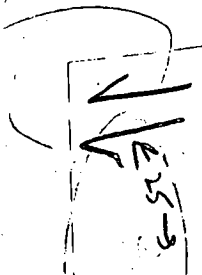
30' B.R.L.

30' S.R.L.

26 A

SEPTIC EASEMENT

THIS VICINITY



C1 . Q6711 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE

COUNTY NUMBER A510658

ST/CO USE ONLY DATE RECEIVED MM DD YY

DATE WELL COMPLETED 05 15 99 Depth of Well 22 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-2215

OWNER RADMOS STREET OR RFD Philadelphia Mill Rd TOWN Dayton SUBDIVISION Vreider Bob SECTION LOT 3

WELL LOG Not required for driven wells

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

Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Rows include Dirt, Soft Br. Schist & Clay, Gravel, Soft Br. Mica & Schist, Soft & Hard Blue & Br. Schist, Hard Blue Schist, Blue Schist, Hard Blue Schist, Br. Schist, Hard Blue Schist, Br. Schist, Hard Blue Schist, Br. Schist, Hard Blue Sandstone, Br. Schist, Hard Blue Sandstone.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y) (N) TYPE OF GROUTING MATERIAL (C) (M) (B) (C) NO. OF BAGS 24 NO. OF POUNDS 2256 GALLONS OF WATER 144 DEPTH OF GROUT SEAL (to nearest foot) from 0 to 54 ft.

CASING RECORD (S) (T) (C) (O) (P) (L) (O) (T) MAIN CASING TYPE S T Nominal diameter top (main) casing (nearest inch) 66 Total depth of main casing (nearest foot) 66

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

SCREEN RECORD (S) (T) (B) (R) (H) (O) (P) (L) (O) (T) screen type or open hole insert appropriate code below

Table with columns: T, 2, 1, H, O, 66, 330. Rows A, B, C, D, E, F, G, H, I, J, K, L, M, N.

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED (Y) (N)

CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED. WHEN THIS WELL WAS COMPLETED

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

DRILLERS LIC. NO. I M W D 2 5 6 Dana Kyker Jr. II DRILLERS SIGNATURE

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

TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST

HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 5 METHOD USED TO MEASURE PUMPING RATE submersible WATER LEVEL (distance from land surface) BEFORE PUMPING 59 ft. WHEN PUMPING 225 ft. TYPE OF PUMP USED (for test) (A) air (P) piston (T) turbine (C) centrifugal (R) rotary (O) other (describe below) (J) jet (S) submersible

PUMP INSTALLED

DRILLER WILL INSTALL PUMP (YES) (NO) IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29. CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35 PUMP HORSE POWER 37 41 PUMP COLUMN LENGTH (nearest ft.) 43 47 CASING HEIGHT (circle appropriate box and enter casing height) (+) above () below 2 (nearest foot)

LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)

Philadelphia Mill Rd Gravel Lane

C 05711

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

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

COUNTY NUMBER A510658

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER STREET OR RFD SUBDIVISION SECTION LOT

WELL LOG table with columns for DESCRIPTION, FEET (FROM, TO), and check if water bearing. Includes entries for Dirt, Soft Br. Schist, Gravel, etc.

GROUTING RECORD form including CEMENT, BENTONITE CLAY, NO. OF BAGS, NO. OF POUNDS, and GALLONS OF WATER.

CASING RECORD form including MAIN CASING TYPE, Nominal diameter, and Total depth.

SCREEN RECORD table with columns for screen type (H, B, P, O), diameter, and depth.

PUMPING TEST form including HOURS PUMPED, PUMPING RATE, METHOD USED TO MEASURE PUMPING RATE, and TYPE OF PUMP USED.

PUMP INSTALLED form including DRILLER WILL INSTALL PUMP, TYPE OF PUMP INSTALLED PLACE, CAPACITY, and PUMP HORSE POWER.

WELL HYDROFRACTURED form with YES/NO options.

CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED, E ELECTRIC LOG OBTAINED, P TEST WELL CONVERTED TO PRODUCTION WELL.

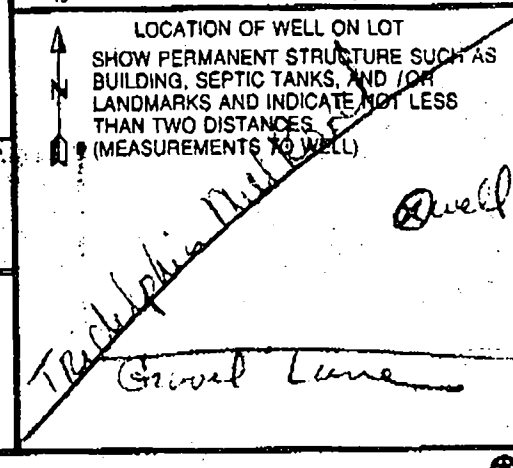
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT...

DRILLERS LIC. NO. MWD 256, Dana Kyker Jr., II, DRILLERS SIGNATURE, LIC. NO. M D, SITE SUPERVISOR (sign of driller or journeyman responsible for sitework if different from permittee).

SCREEN RECORD form including screen type (H, B, P, O), diameter, and depth.

Table with columns for depth (nearest ft.) and slot size, including a vertical scale from 1 to 51 feet.

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) form including TELESCOPE CASING, LOG INDICATOR, and OTHER DATA.



B 1 1 2 3 4 5 6 2054	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER <u>HO-94-2215</u> <small>70 fill in this form completely 79</small>
----------------------------	--------------------------------	--	---

OWNER INFORMATION

Date Received (APA) 03/29/99

8 MM DD YY 13

15 Last Name PAPPAS Owner Tom First Name Tom 34

36 Street or RFD 7521 Red CAVAT CT 55

57 Town Columbia Md State MD 72 Zip 21046 76

LOCATION OF WELL

B 3

8 COUNTY HOWARD 21

23 SUBDIVISION Kreider PROPERTY 42

SECTION 3 LOT 3

44 46 48 50

52 NEAREST TOWN DALTON 71

73 MILES FROM TOWN (enter 0 if in town) 3 M 76 77 78

DRILLER INFORMATION

76 Driller's Name DANA KYKER JR M D 256 License No. 81

Firm Name WESTMINSTER ROTARY Well Drilling Inc

Address P.O. Box 861 Westminster Md. 21157

Signature Dana Kyker Jr Date 3-23-99

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

11 NEAR WHAT ROAD Triadelphia Rd 30

34 TO 37 DISTANCE FROM ROAD mi 38 39

ENTER FT OR MI 38 39

TAX MAP: _____ BLK: _____ PARCEL _____

WELL INFORMATION

1 2 APPROX. PUMPING RATE (GAL. PER MIN.) 5

8 12

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 400 14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)

22 INDUSTRIAL, COMMERCIAL, DEWATERING

PUBLIC WATER SUPPLY WELL

TEST, OBSERVATION, MONITORING

GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD COUNTY NAME A510658 COUNTY NO.

STATE SIGNATURE _____ INSERT S _____

DATE ISSUED 04/01/99 41

43 MM DD YY 48 CO-SIGNATURE _____ EXPI. DATE _____

NORTH GRID 780 000 EAST GRID 0510 000

50 55 57 63

APPROXIMATE DEPTH OF WELL 200 FEET 24 28

APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN

30 AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary)

37 CABLE REVERSE-ROTary DRIVE-POINT

other _____

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

THIS WELL WILL NOT REPLACE AN EXISTING WELL.

THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED

39 THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS

THIS WELL WILL DEEPEM AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROP. PERMIT NUMBER _____ G.A.P. _____

54 63

PERMIT No HO-94-2215

70 71 72 73 74 75 76 77 78 79

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

1. CITY

2. _____

3. _____

WRITE THE BOX NUMBER FROM THE MAP HERE

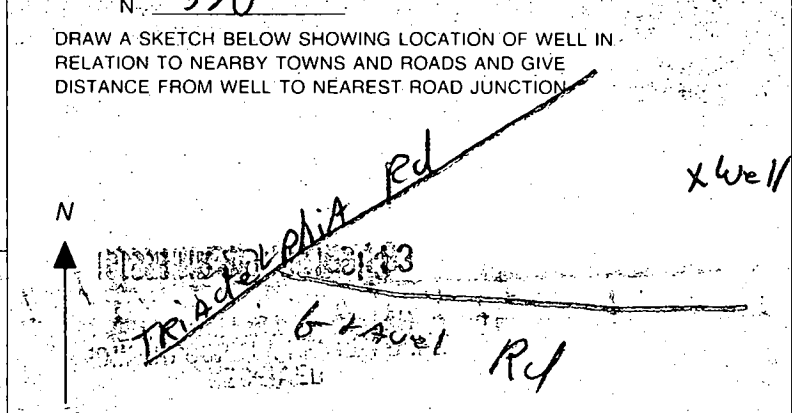
E 780

N 510

000 000

5/14/99
1.00 grout
NO INSP. (CW)

well X



HOWARD COUNTY HEALTH DEPARTMENT
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Ellicott City, MD 21043
~~461-9833~~
313-2640

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation
Replacement

Receipt #
Date 9/27/99

Name of Installer LEHSAC CORP.

Telephone 410 242-6888

License Number 3344
Certified Well Pump Installer

Well Driller Registered Plumber

Name of Property Owner Tom Pappas

Telephone 410-242-6888

Subdivision Kreider Prop. Lot # 3
Site Address 14666 Philadelphia Mill Rd.

Well Tag # HO-94-2015

Pump

- Type
 - Deep well jet
 - Shallow well jet
 - Submersible
- Make JACUZZI
- Model # 7154715B-52
- Capacity 7 GPM

Motor

- Horsepower 1
- RPM
- Voltage
 - 110
 - 220

Pitless Adapter

- Make SIMMONS
- Model #
- Depth 42"

- Pump exceeds well capacity Yes YES No
- If Yes, is low pressure cutoff switch installed? Yes No
- What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors Cable guards Other

Tank

- Capacity 86
- Pressure relief valve?

Piping

- Type 16016
- Size 1"
- NSF and/or BOCA Code approved
- Depth of supply line 42"

Well data

- Depth 330 ft.
- Yield 5 GPM
- Static water level 60 ft.
- Will water supply be disinfected by installer? YES

I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

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

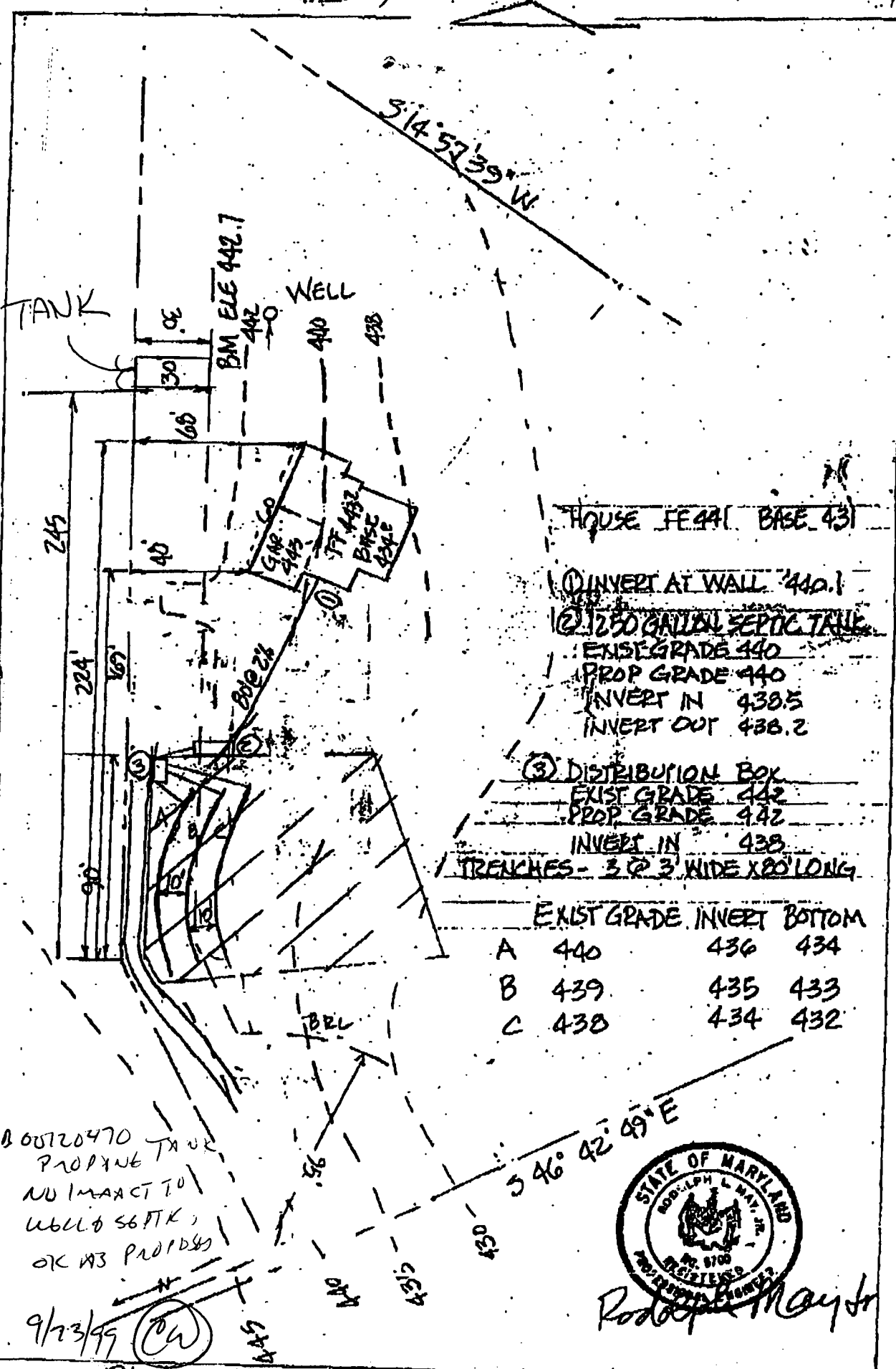
9/27/99-WPI OK (SPM)

Signature of Applicant: [Signature]

2PC CAP & CONDUIT OK

Date: 9/27/99

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



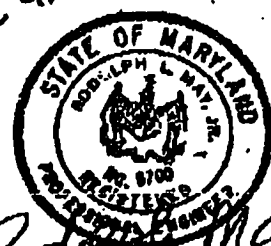
HOUSE FE 441 BASE 431

① INVERT AT WALL 440.1
 ② 1250 GALLON SEPTIC TANK
 EXIST GRADE 440
 PROP GRADE 440
 INVERT IN 438.5
 INVERT OUT 438.2

③ DISTRIBUTION BOX
 EXIST GRADE 442
 PROP GRADE 442
 INVERT IN 438

TRENCHES - 3 @ 3' WIDE X 20' LONG

	EXIST GRADE	INVERT	BOTTOM
A	440	436	434
B	439	435	433
C	438	434	432



Rodolph L. May Jr.

00120470
 PROPANE TANK
 NO IMPACT TO
 WELL & SEPTIC,
 OK AS PROPOSED

9/23/99

CW

PLOT PLAN		OWNER:
KREIDER PROPERTY		TOM PAPPAS
LOT 3		C/O LEHASC CORP.
MAP 27 PARCEL 22	REVISED 6/22/99	202 AZAR CT
8TH ELECTION DISTRICT	MAY 1999	BALTIMORE, MD
HOWARD COUNTY, MD.	SCALE 5/8"	410-242-6888