



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____ A/P _____

AGENCY REVIEW: _____ DATE _____

DO NOT WRITE ABOVE THIS LINE

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S) TO:

CHECK AS NEEDED:

- CONSTRUCT NEW SEPTIC SYSTEM(S)
- REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
- REPLACE AN EXISTING SEPTIC SYSTEM

CHECK AS NEEDED:

- NEW STRUCTURE(S)
- ADDITION TO AN EXISTING STRUCTURE
- REPLACE AN EXISTING STRUCTURE

CHECK ONE:

- CREATE NEW LOT(S)
- BUILD ON AN EXISTING LOT IN A SUBDIVISION
- BUILD ON AN EXISTING PARCEL OF RECORD

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- YES
- NO

THE TYPE OF STRUCTURE IS:

- RESIDENTIAL WITH _____ PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE **UNKNOWN** IF APPROPRIATE)
- COMMERCIAL (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/ CUSTOMERS ON ACCOMPANYING PLAN)
- INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) _____

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS _____
STREET CITY/TOWN STATE ZIP

APPLICANT _____

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS _____
STREET CITY/TOWN STATE ZIP

APPLICANT'S ROLE: DEVELOPER BUILDER BUYER RELATIVE/FRIEND REALTOR CONSULTANT

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME _____ LOT NO. _____

PROPERTY ADDRESS _____
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) _____ GRID _____ PARCEL(S) _____ PROPOSED LOT SIZE _____

AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN.

TEST RESULTS WILL BE MAILED TO APPLICANT.

SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MARYLAND 21043-4544 (410) 313-1771 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH



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MAILING ADDRESS _____
STREET CITY/TOWN STATE ZIP

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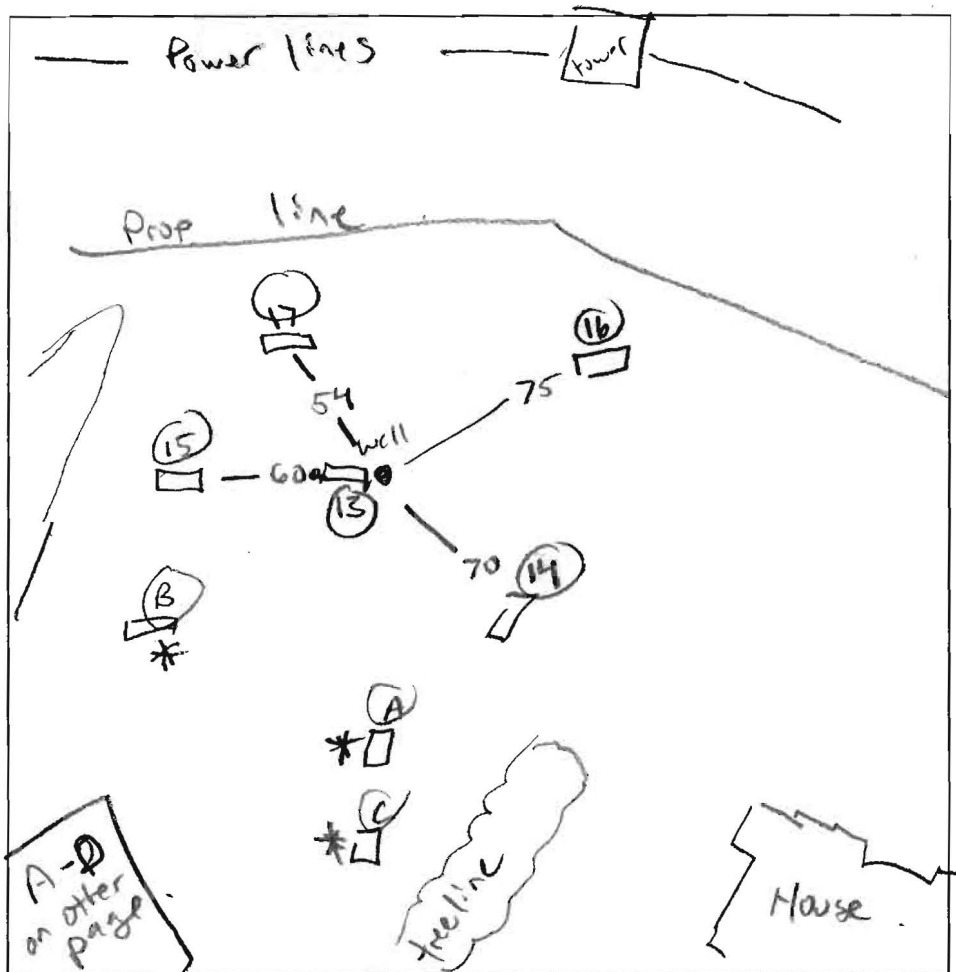
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3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MARYLAND 21043-4544 (410) 313-1771 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

⑬
brown l
orange brown micaceous cl
3
very micaceous orange yellow brown 30-35% rock Stony & cherty frags

⑭
brown l
orange brown cl
3
orange brown scl w/ 20-25% cherty frags + rocky
8
sl

⑮
brown l
orange brown cl
3
red orange brown cl → scl
5
orange brown micaceous scl
- 20% rock stony & cherty frags.



⑯
brown l
orange red brown cl
4
rocky
5
orange brown sl w/ 20-25% rock
10 1/2

⑰
brown l
orange brown cl
3
cl → scl
4
micaceous orange brown sl w/ cherty frags
7
" 15-20% rock
10 - hard bottom

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
11/17/01	13	5 1/2	2:01	2:05	2:10	5	P
	14	4	3:03	2 slow	failed		
	15	6	2:42	2:47	3:05	18	P
	16	6	3:03	3:05	3:08	3	P
	17	10	visual	OK			P

REMARKS * 12' holes.
SANITARIAN P.Y / K.B BACKHOE MATH + ED OTHERS
TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____

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 _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. _____

ROAD AND DESCRIPTION _____

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

COUNTY #

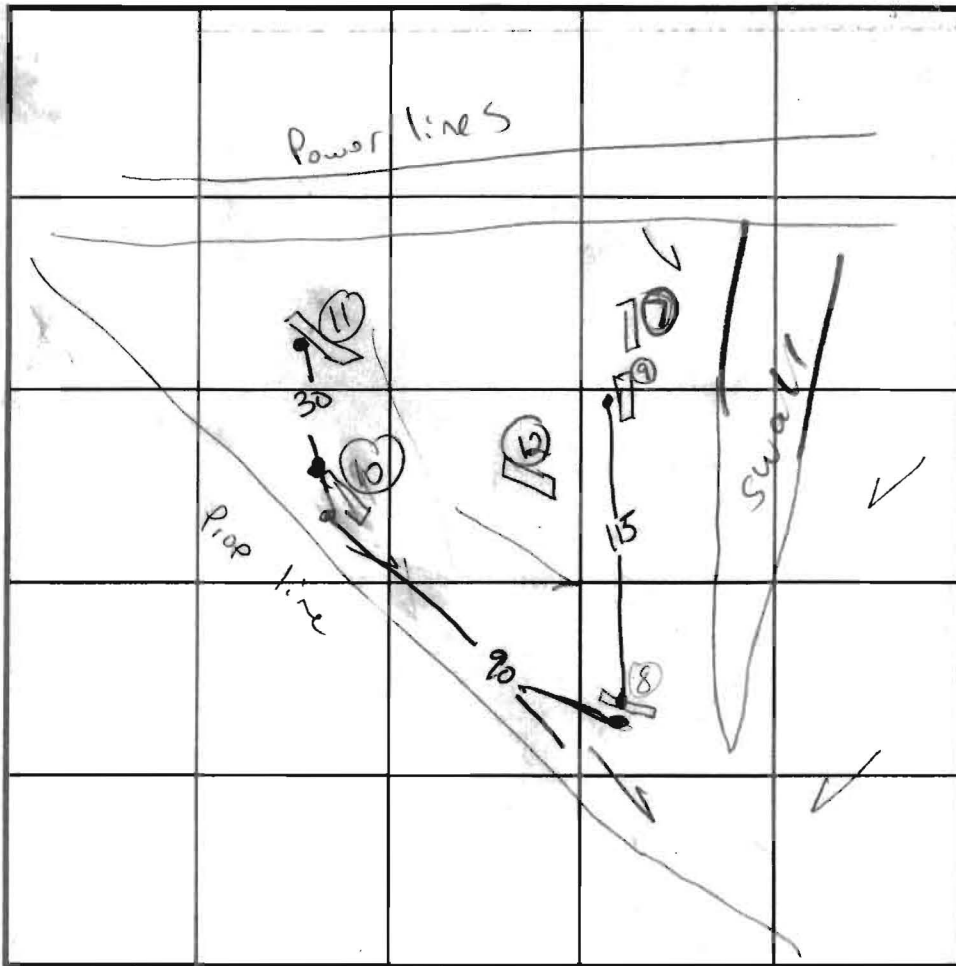
SOIL PROFILE

0' ~~10~~
 1' brown
 red brown
 cl
 3' red brown
 scl
 6' red yellow
 brown
 sl
 8' red
 yellow
 brown
 sl
 10-15%
 cherty
 frags

8' brown
 orange
 brown
 scl
 15-20%
 rock

11-14005
 orange
 yellow
 brown
 sl
 w/
 30-35%
 quartz
 c. frags
 cobbles

9' brown
 orange
 brown
 cl
 orange
 yellow
 brown
 sl
 w/
 cherty
 frags
 20-25%
 25-30% rock



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

0' brown
 1' orange
 brown
 cl-scl
 3' yellow
 brown
 sl
 w/
 mica
 +
 20-25%
 cherty
 frags
 8' 11
 25-30%

12' (12)
 cl
 ↓
 scl
 8' scl
 + 15-20%
 sl - cherty frags

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11/17/04	7		10:33	Pulled	2	slow	F
	8	5 12	10:52	10:53	10:58	5 min	P
	9	4 11	12:12	12:22	12:30	9	P
	10	5 12	11:32	11:36	11:43	7	P
	11	11	11:45	12:03	12:33	30	F
	12	6 1/2 11	12:01	Pulled	2	slow	F

REMARKS _____

TYPE OF SOIL _____

TESTED BY Pepe Venetie ALSO PRESENT _____

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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



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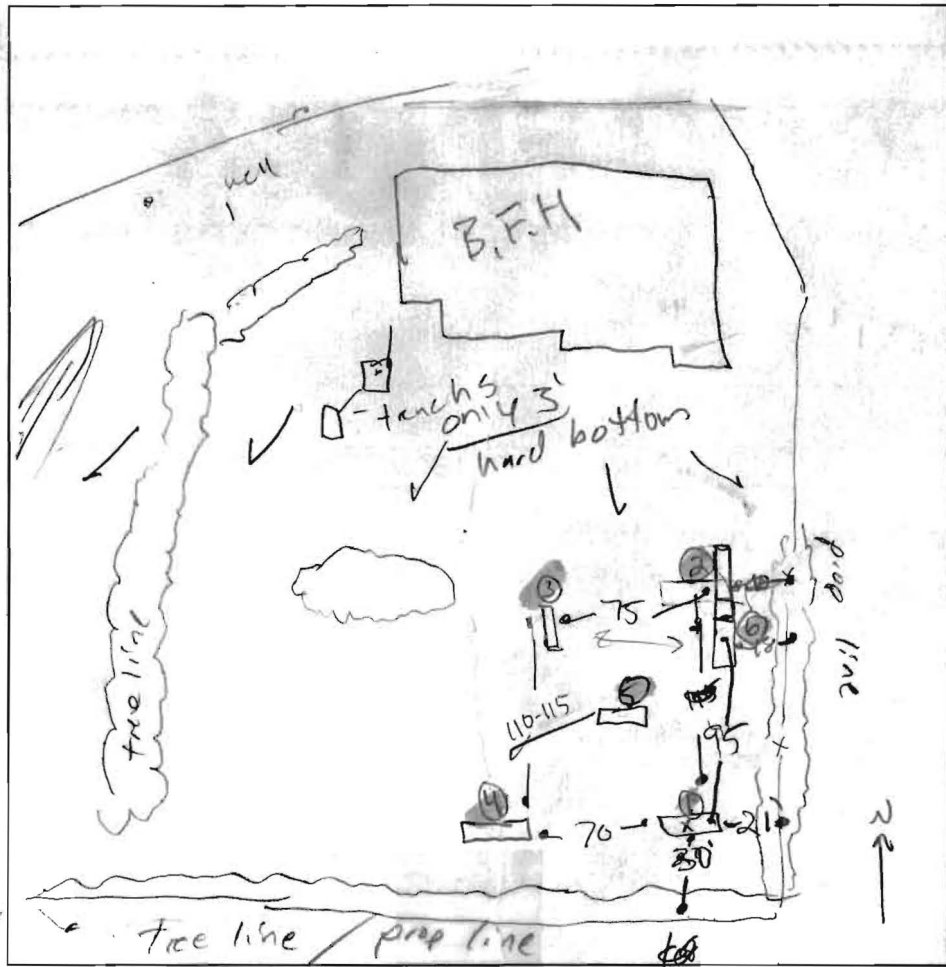
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①
 Brown 1
 Orange brown
 SiCl
 micaceous
 4 1/2
 TRANS.
 micaceous
 Orange brown
 Sl w/
 10-15% Saprolite
 9
 Yellow-brown
 micaceous
 Sl w/
 30-35% Saprolite

②
 brown 1 w/ rock
 1
 orange brown
 cl w/
 5-10% rock
 4 1/2
 red purple
 brown
 SiCl
 ↓
 Sl
 8
 micaceous
 orange brown
 Sl → LS
 w/ 15-20%
 Sap. rock
 12

③
 brown 1
 orange brown
 SiCl
 → cl
 4
 Very micaceous
 Orange brown
 purple
 Sl
 w/ 10-15%
 Saprolite
 8
 11
 15-25%
 Saprolite



④
 Brown 1
 Orange brown
 SiCl
 → cl
 micaceous
 5+ rock
 6
 Orange
 yellow
 purple
 brown
 micaceous
 Sl.
 10-15% Saprolite
 10

⑤
 Brown 1
 orange brown
 cl
 micaceous
 5
 Orange brown
 Sl
 micaceous
 w/
 15-20
 Saprolite
 11

⑥
 brown 1
 orange brown
 cl → sel
 yellow
 brown
 micaceous
 Sl
 w/ 10-15%
 Sap. rock
 6
 11
 30-
 40%
 Saprolite
 7+ stringers

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
10/28/04	1	5' 12"	9:59	10:00 ⁸⁰	10:03 ²⁰	3	P
10/28/04	2	7' 12.5"	10:10	10:34	Pulled		F
10/28/04	3	6' 10.5"	10:05	10:07	10:10	3	P
	4	4 1/2' 10.5"	10:19		Pulled	No movement	
	4	6.5' 10.5"	10:36	10:37 ³⁰	10:39 ⁴⁰	2:10	P
	5		visual	OK			P
	6	5' 10"	11:19	11:23 ³⁰	11:29 ³⁰	5	P

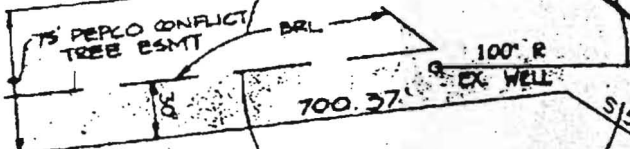
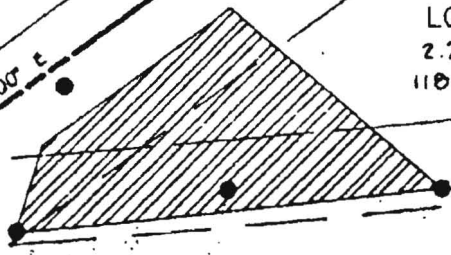
Note - neighbors well (STAY 100 FEET AWAY!)
 REMARKS From hole 1 - 65 feet from fence & neighbor's well

SANITARIAN Ray / S.O. BACKHOE / matt OTHERS _____
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

LOT 21

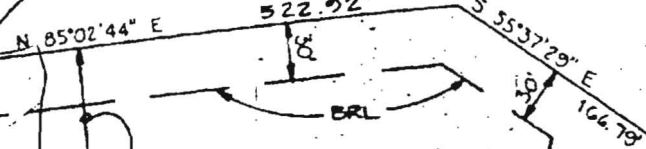
DELL LANE
(50' RIGHT-OF-WAY)

LOT 34
2.727 AC.
110,777 SF



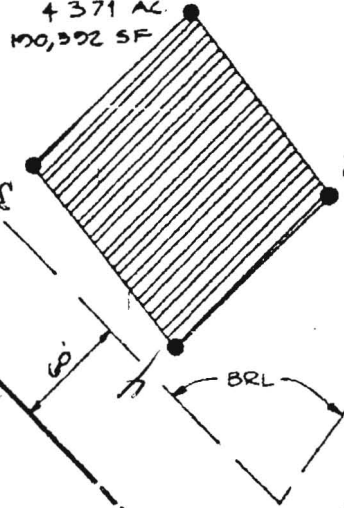
(119)
R=375.00' L=152.55'
L=127.54'

EXISTING
150' PEPCO RIGHT-OF-WAY
PARCEL A



SDA
LOT 25
PREV

LOT 33
4.371 AC.
190,392 SF



GRACE A.E. EIGENHARDT
(10057140)

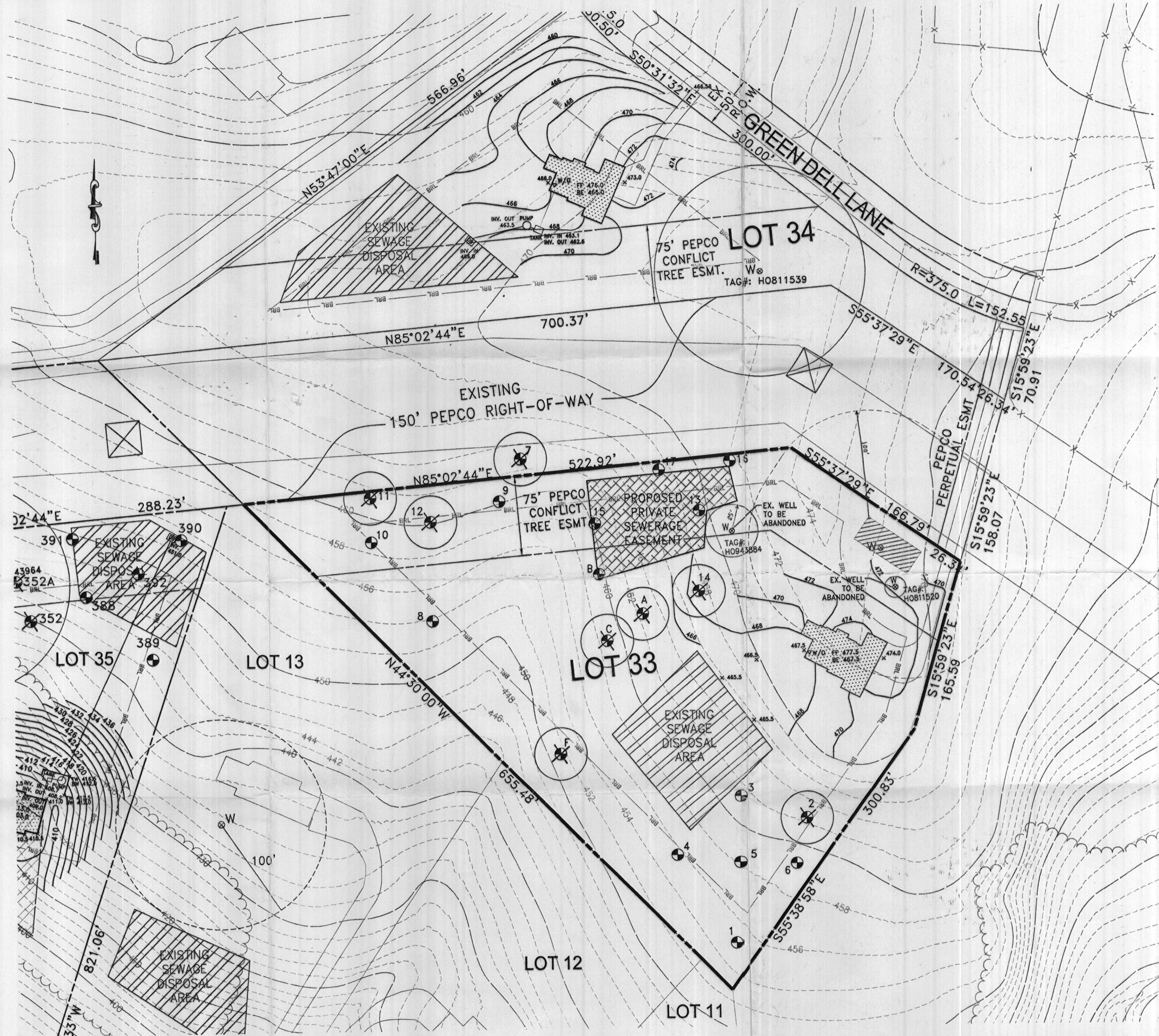
857-26-F-92-158

PLAN
SCALE 1"=100'

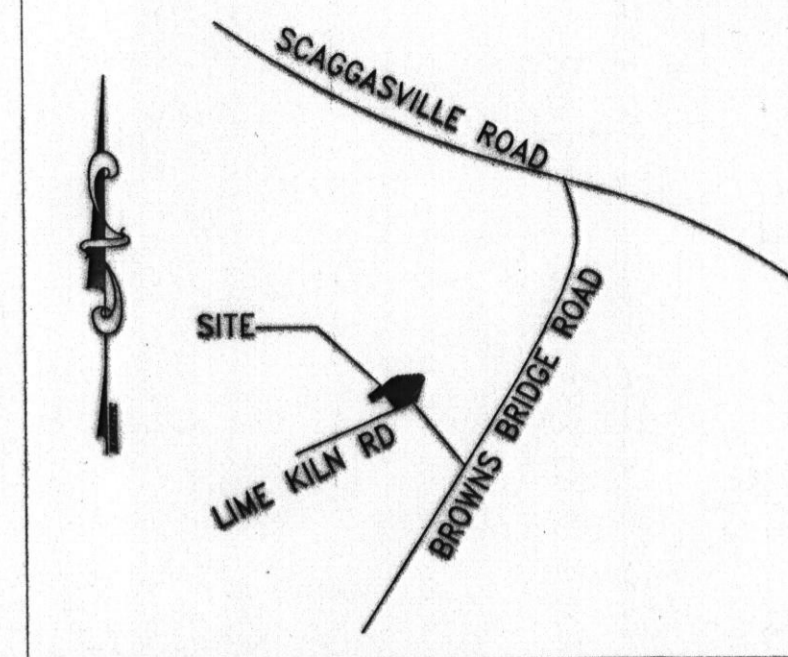
CURVE DATA

Δ	ARC	TAN	CHORD	BEARING

OWNER



PERCOLATION HOLE NO.	EXISTING GROUND ELEVATION
1	455.1
2	462.3
3	461.3
4	455.7
5	458.2
6	459.3
7	463.0
8	453.8
9	461.1
10	458.6
11	461.3
12	460.0
13	469.5
14	467.5
15	460.2
16	471.8
17	467.0
A	462.3
B	459.3
C	458.8
F	451.2



VICINITY MAP
NOT TO SCALE

GENERAL NOTES

- OWNERS: ALTIERI ENTERPRISES, INC.
9017 RED BRANCH ROAD STE. 201
COLUMBIA, MD 21045
 - PROPERTY LOCATION: PARCEL 490
7686 GREEN DELL LANE
HIGHLAND, MD 20777
 - TAX ACCOUNT NO. 398916
ELECTION DISTRICT: 05
DEED: 7720/358, 1598/193
TAX MAP: 40, Grid 23, Parcel 490, Lot 33
TOTAL SITE AREA: 437 ac.
 - THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
 - EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM THE BEST AVAILABLE INFORMATION.
 - ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION INFORMATION.
 - THE EXISTING WELL(S) SHOWN ON THIS PLAN (IDENTIFIED WITH THE ATTACHED TAG NUMBER H0843884) HAS BEEN FIELD LOCATED BY KCW ENGINEERING TECHNOLOGIES, INC AND IS ACCURATELY SHOWN.
- NOTE:
I.C.O.P. WILL BE HELD UNTIL THE NEW WELL IS DRILLED, THE EXISTING WELLS ARE ABANDONED AND THE SEPTIC INSTALLATION IS APPROVED.

LEGEND

- 400 — PROPOSED CONTOUR
- 395 — EXISTING CONTOUR
- W — EXISTING WELL
- EXISTING SEWAGE DISPOSAL AREA
- BRL — BUILDING RESTRICTION LINE
- PERC TEST - PASSED
- PERC TEST FAILED
- PROPOSED WELL ENVELOPE
- PROPOSED PRIVATE SEWERAGE EASEMENT*

*NOTE:
THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THE EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A REVISED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.

THE PROPERTY HAS BEEN FIELD OBSERVED AND THE DEPICTED PROPOSED PROJECTS FIELD MATCHED INFORMATION.
BY: *Kimberly...* DATE: 12/10/04
KIMBERLY...

KCW
ENGINEERING TECHNOLOGIES

KCW Engineering Technologies, Inc.
3106 Lord Baltimore Drive, Suite 110
Baltimore, MD 21244
(410) 281-0033
Fax (410) 281-1065
www.KCW-ET.com

OWNER / DEVELOPER:
ALTIERI HOMES
9017 RED BRANCH ROAD
SUITE 201
COLUMBIA, MD 21045
Attn: GREG ALTIERI
Tele: (410) 715-4500
Fax: (410) 740-5809

PC 35422

APPROVED FOR PRIVATE WATER AND PRIVATE SEWER SYSTEMS

Robert...
HOWARD COUNTY HEALTH OFFICER
DATE: 12/10/04

ADDRESS CHART			
Parcel #	490	Street Address	7686 GREEN DELL LANE HIGHLAND, MD 20777
PERMIT INFORMATION CHART			
Subdivision Name	LIME KILN VALLEY	Section/Area	HIGHLAND
Parcel #	490	Election District	5th
Water Code	W - 000	Sewer Code	S - 0000000

KCW J.O.: 2030289
SCALE 1" = 50'
DRAWN: MS
DESIGNED: KMG
CHECKED: KMG
DATE: DEC. 10, 2004
DRAWING NO.

PERCOLATION CERTIFICATION PLAN
LIME KILN VALLEY
LOT 33
7686 GREEN DELL LANE
HOWARD COUNTY, MARYLAND ELECTION DISTRICT - 1