



HOWARD COUNTY HEALTH DEPARTMENT

A5 27235

DATE
6 / 29 / 2007

Received From Patricia Mayer - Bellewood

PHONE # 301-854-3004

13886 Clarksville Pike, Highland MD 20777

For Rec Application

CASH

CHECK

same as above

NO.

1040

Five hundred six and 00/100 Dollars

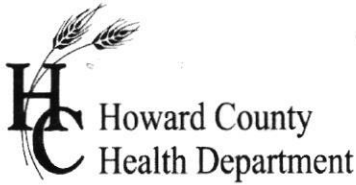
\$

506

00

Received By

Mary L Beigler



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 5 27 235

AGENCY REVIEW: _____

DATE 6/29/2007

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: 5 Existing
 RESIDENTIAL WITH 5 ~~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) Mayer, Patricia
 DAYTIME PHONE 301-854-3004 CELL 443-804-2036 FAX 301-854
 MAILING ADDRESS 13886 Clarksville Pike Highland, Md. 20797
STREET CITY/TOWN STATE ZIP

APPLICANT Owner - same as above
 DAYTIME PHONE _____ CELL _____ FAX _____
 MAILING ADDRESS _____
OWNER STREET CITY/TOWN STATE ZIP
 APPLICANT'S ROLE: DEVELOPER BUILDER BUYER RELATIVE/FRIEND REALTOR CONSULTANT

PROPERTY LOCATION
 SUBDIVISION/PROPERTY NAME NA LOT NO. _____
 PROPERTY ADDRESS _____
STREET TOWN/POST OFFICE
 TAX MAP PAGE(S) 40 GRID 15 PARCEL(S) 40 PROPOSED LOT SIZE 20 Acres

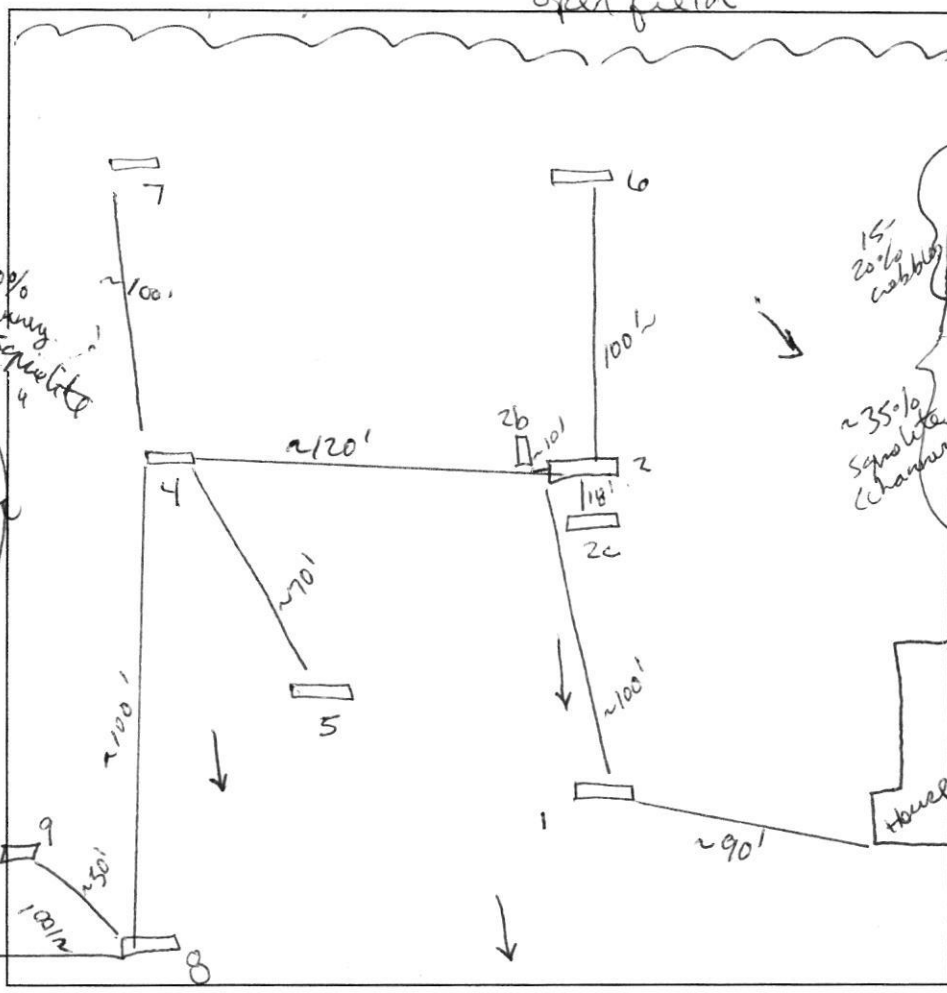
AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A.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

TEST RESULTS WILL BE MAILED TO APPLICANT. Patricia Mayer
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
 7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648
 TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

AVP 527235

open field



(2c)
 brown l sbk
 ~1' pale brown l sbk
 3'5' strong brown brown heavy sl dense ground sg
 40% chann. squolite
 5' light gray sl sg medium pl squolite
 9' refusal

(1)
 brown l roots sbk (wholes) gravels
 1' brown medium sl sg 20% cobbles
 2' strong brown sl sg dense n ground micaceous squolite
 40% chann. squolite
 7' pale brown medium/coarse ls sg
 13'

(2)
 ~1' brown l fsbk 30% gravel cobbles
 strong brown medium scl/ heavy sl
 3' pale brown sl pl squolite dense n ground micaceous
 5' pale brown/gray medium sl/ls sg dense n ground micaceous pl squolite 35%
 9' refusal

4
 brown l fsbk l
 2 1/2' strong brown medium sl
 downhill pockets of heavy sl
 3 1/2' micaceous
 4 1/5' brown medium/coarse sl sg
 pl squolite micaceous
 ↓ ls sg

5
 brown l fsbk l gravelly
 1' brown medium sl/ls sg
 2'6' brown sl sg - 35% pl squolite micaceous pockets of heavy sl
 7' pale brown medium sl sg
 ~35% squolite

2b
 brown l fsbk gravel/cobbles 30%
 strong brown medium scl/ heavy sl
 23' pale brown coarse ls pl squolite 35% dense n ground hand!
 (consistent to #2)
 refusal 7'

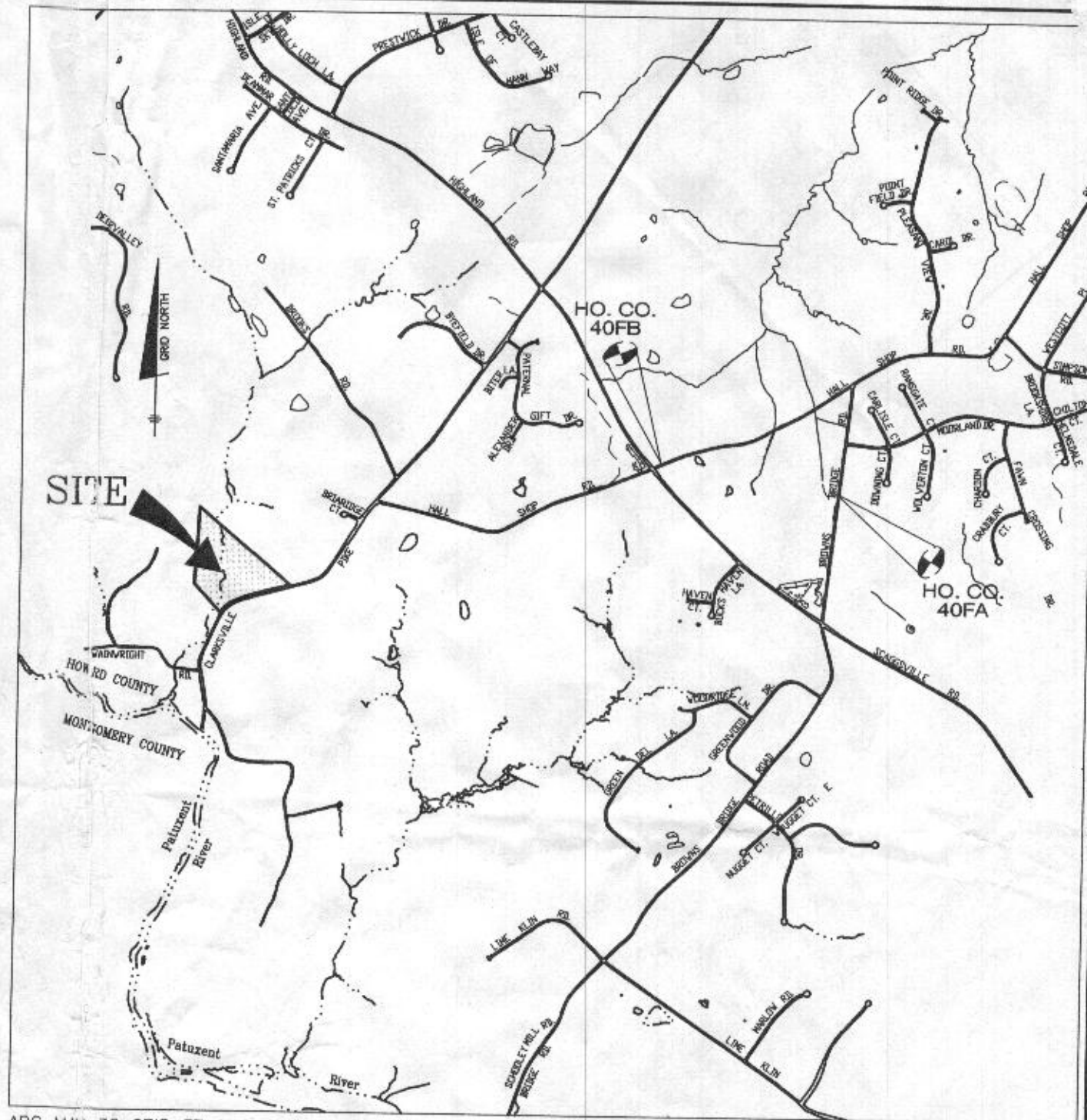
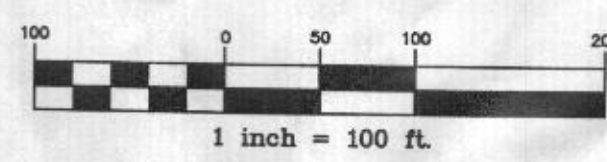
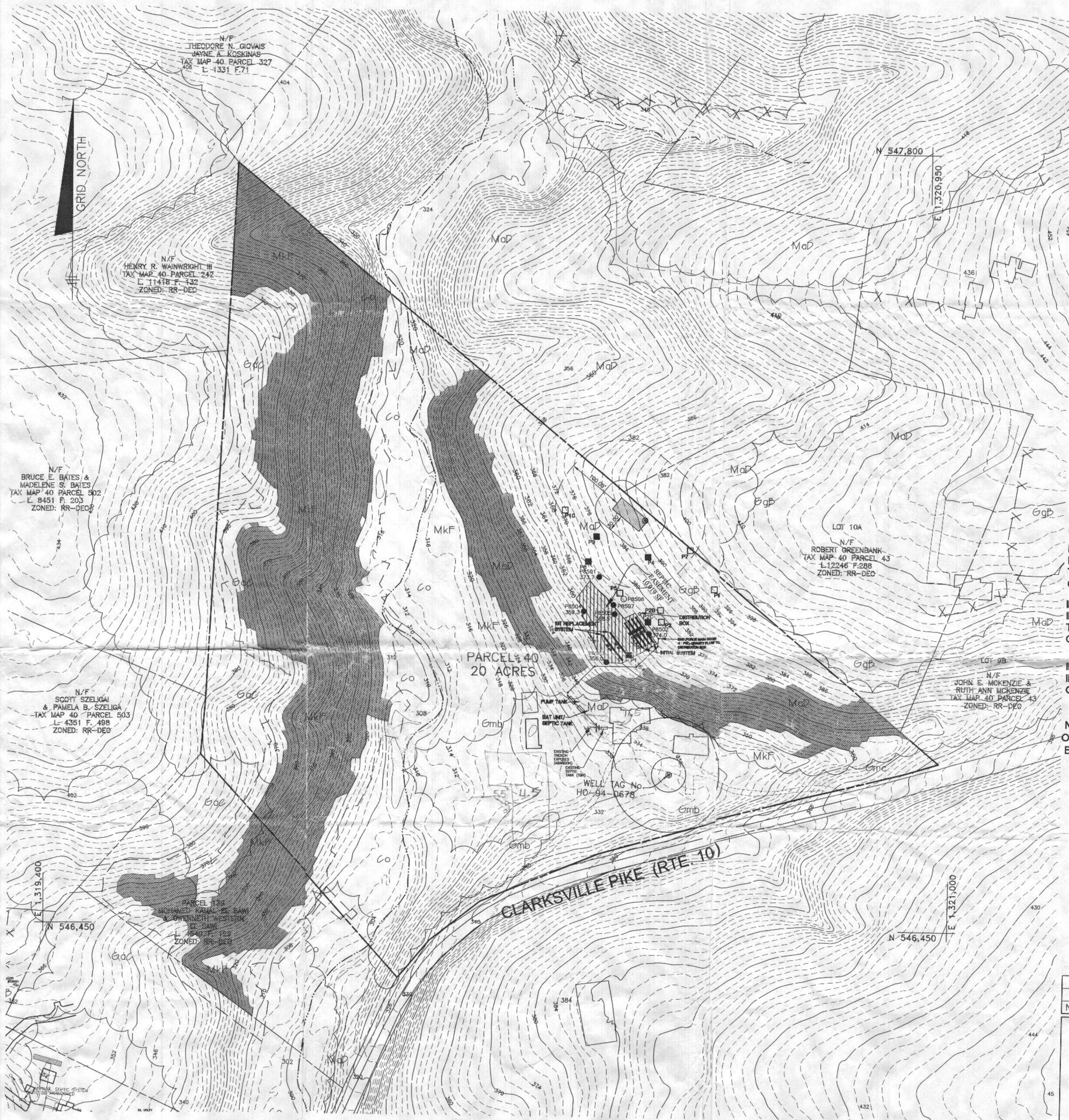
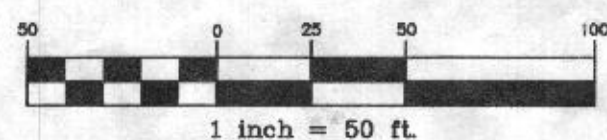
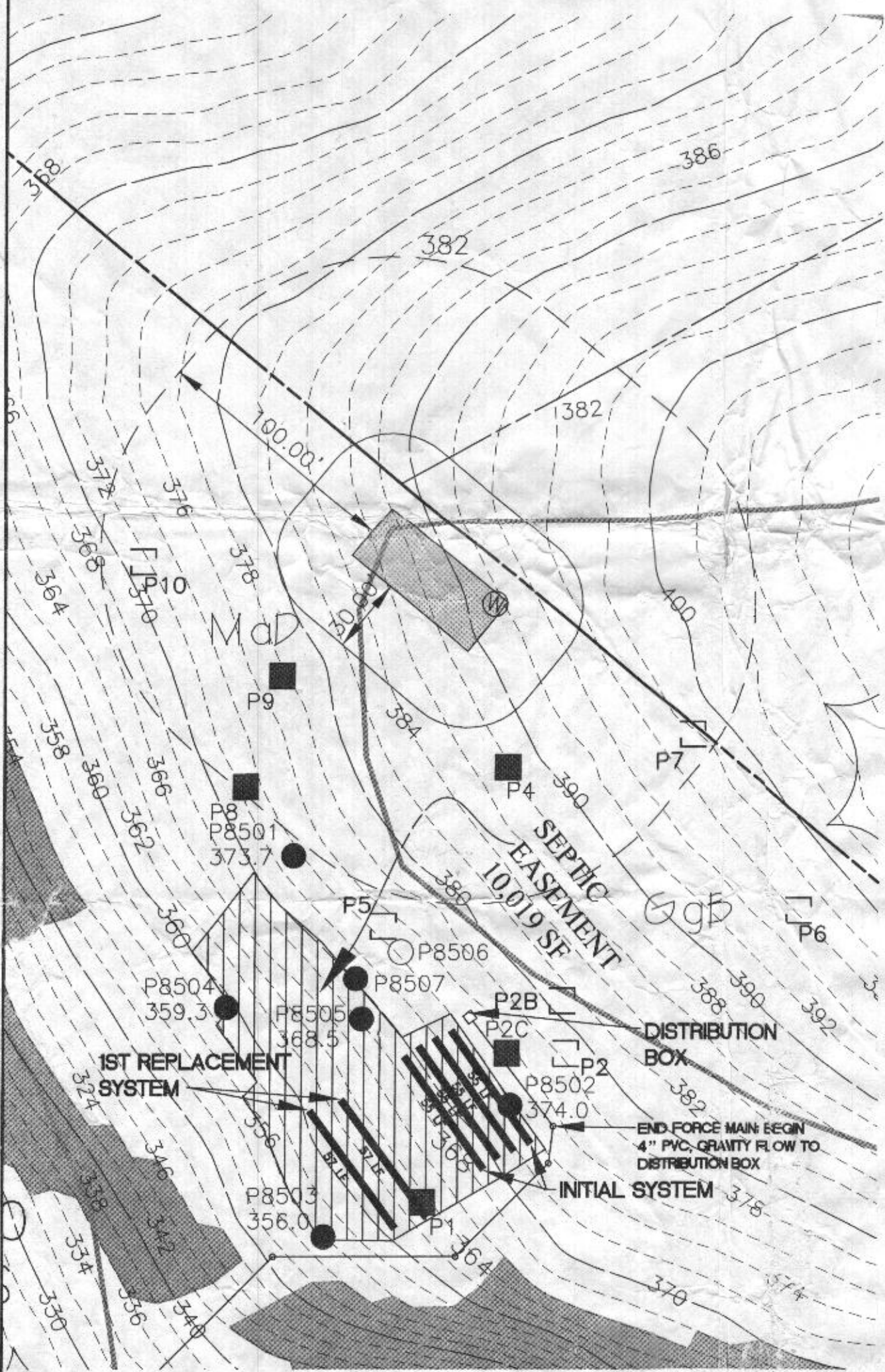
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
7/2/07	1	5' / 13'	9:03	9:12	9:38	24	P
	2	5'5" / 9'	9:35	9:53	18 min	no movement	F
	2b	7'	Same as #2				F
	2c	5'7" / 9'	11:51	11:57	12:07	10	P
	3		Not dug				
	4	5'5" / 10'	10:05	10:06	10:07		
	"	"	10:07	10:08	10:09		
	"	"	10:06	10:17	10:19	2	P

REMARKS: Hole field located unless noted EA starts @ where tested. #2c EA 5'
 SANITARIAN: SP BACKHOE: Hand fields OTHERS: owner
 TEST HOLES USED IN SDA: _____ AVG. PERC TIME: _____ SQ. FT/BR: _____
 TRENCH WIDTH: _____ INLET DEPTH: _____ MAX. BOT DEPTH: _____ EFFECTIVE SW: _____

LEGEND

- EXISTING CONTOURS
- GIS TREE LINE
- GIS STREAM
- GIS BUILDING
- SLOPES 25% OR GREATER
- WELL LOCATION
- PASSING PERCOLATION TEST LOCATION
- FAILING PERCOLATION TEST LOCATION
- PROPOSED SEPTIC AREA

NOTE: LOCATION OF EXISTING PERCOLATION HOLES ARE APPROXIMATE.
NOTE: *P11(NO FIELD DATA)



INV. AT HOUSE	332.35
GRD. AT INV. AT HOUSE	335.00
INV. IN BAT	330.52
INV. OUT BAT	330.19
TOP OF BAT	331.50
GROUND OVER BAT	334.00
INV. IN TANK	330.17
INV. OUT TANK	329.92
TOP OF TANK	331.00
GROUND OVER TANK	334.00
INV. IN DIST. BCX	372.40
INV. OUT DIST. BOX	372.10
GROUND AT BOX	375.50

- GENERAL NOTES**
- THE LOT SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
 - THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 S.F. AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWER SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE REQUIRED.
 - EXACT LENGTH OF SEPTIC TRENCHES IS TO BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF TRENCH LAYOUT AND INSPECTION.
 - TOPOGRAPHY SHOWN IS BASED ON HOWARD COUNTY GIS AND VERIFIED BY BENCHMARK ENGINEERING, INC.
 - THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THIS PROJECT'S BOUNDARY EXCEPT AS NOTED.
 - THE PURPOSE FOR THIS PERCOLATION TEST PLAN IS TO CREATE A SEWERAGE EASEMENT IN SUPPORT OF BUILDING PERMIT APPLICATION.
 - THE EXISTING WELL SHOWN ON THIS PLAN HAS BEEN LOCATED BY BENCHMARK ENGINEERING, INC.
 - ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.

NOTE: FIELD ADJUSTMENTS MAY BE NECESSARY TO BE MADE TO THE EXISTING HOUSE CONNECTION ONCE THE EXISTING HOUSE CONNECTION ELEVATION IS DETERMINED.

NEW SEPTIC SYSTEM MUST BE INSTALLED, AND APPROVED, AND THE EXISTING SEPTIC TANK ABANDONED PRIOR TO BUILDING PERMIT B13003097 APPROVAL.

I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECTION AND IS IN ACCORDANCE WITH HEALTH DEPARTMENT'S BEST AVAILABLE TECHNOLOGY FOR NITROGEN REMOVAL (BAT) SITE PLAN REQUIREMENTS.

[Signature]
 PLAN PREPARED BY BRIAN F. CLEARLY FOR BENCHMARK ENGINEERING, INC.
 APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEM
 HOWARD COUNTY HEALTH DEPARTMENT
[Signature] 2/14/2014
 HOWARD COUNTY HEALTH OFFICER DATE

SYMBOL	HYDRIC	HYDROLOGIC GROUP	ALTERNATE GROUP	NAME
Co*		C	D	CODORUS AND HATBORO SILT LOAMS, 0 TO 3 PERCENT
GaC		B		GAILA LOAM, 8 TO 15 PERCENT SLOPES
GgB		B		GLENELG LOAM, 3 TO 8 PERCENT SLOPES
GmB*	YES	C		GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES
GmC		C		GLENVILLE SILT LOAM, 8 TO 15 PERCENT SLOPES

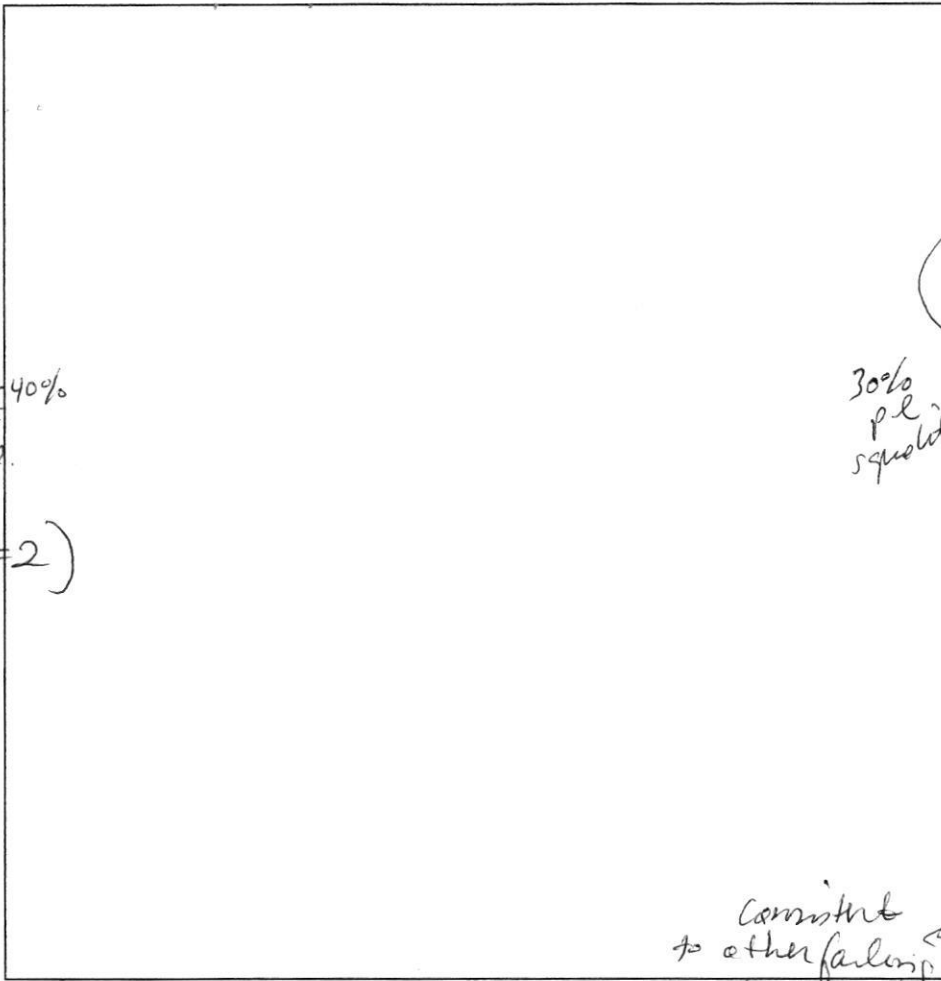
NO.	DATE	REVISION
BENCHMARK ENGINEERING, INC. ENGINEERS & LAND SURVEYORS & PLANNERS 8480 BALTIMORE NATIONAL PIKE & SUITE 315A ELLICOTT CITY, MARYLAND 21043 (703) 410-4650 FAX (703) 410-4650-6844 75 THOMAS JOHNSON DRIVE SUITE 1A FREDERICK, MARYLAND 21702 301-710-5688 WWW.BE-CIVLENGINEERING.COM		
OWNER:		PROJECT:
MOHAMED KAMAL EL SAWI 13942 CLARKVILLE PIKE HIGHLAND, MARYLAND 20777		13886 MD. ROUTE 108
LOCATION:		TITLE:
TAX MAP-40 GRID-15 PARCEL-40 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND		PERCOLATION CERTIFICATION PLAN
DATE:	JANUARY, 2014	PROJECT NO. 2517-B
DESIGN:	BFC	DRAFT: BFC
SCALE:	AS SHOWN	DRAWING 1 OF 2

AP 527235

6
 brown & sbk gravel/cobbles 20%
 ~1' strong brown medium sl / heavy sg
 ~3' pale brown se pl squallite 35% 40% dense in ground. micaceous
 (consistent w/ #2)
 6' refusal

7
 brown &
 ~1' strong brown dense sl pl squallite 35-40%
 4' refusal

8
 brown & sbk wats
 brown & 10% cobbles
 2'6" strong brown sl sg
 2'5" brown sl sg micaceous pl squallite
 10' refusal



30% pl squallite

consistent to other failing holes.

9
 brown & sbk gravel/cobbles 20%
 2' strong brown heavy dense sidewalk
 2'9" - 3' pale brown w/ gray medium sl sg (dense in ground. micaceous)
 ~2' coarse sl / ls squallite
 11'
 10
 brown & sbk 20% cobbles
 2'1/2 strong brown / pale brown dense sl sg pl squallite 40-45% micaceous
 6'5' refusal

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
7/2/07	5	5'6"/13'	10:33			too slow	
		7'8"	11:10	11:30	12:00	next to 2nd inch	F
	6	6'					F
	7	4'					F
	8	5'3"/10'	1:08	1:13	1:21	8	P
	9	5'5"/11'	1:53	2:01	2:24	23	P
	10	6'5"					F

REMARKS Holes field located unless noted EA starts of tests
 SANITARIAN SF BACKHOE _____ OTHERS _____
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____