

APPLICATION

PERCOLATION TESTING

A 516084

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 SECURITY DEVELOPMENT, L.L.C.
P.O. BOX 417
ADDRESS ELLICOTT CITY, MD 21041 PHONE 410-465-4244

AGENT OR PROSPECTIVE BUYER _____
ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION HOMWOOD LOT NO. 86

ROAD AND DESCRIPTION HOMWOOD ROAD

TAX MAP 23 & 29 PARCEL # 20 & 86

SIZE OF LOT 1 ACRE ± TYPE BLDG. SINGLE FAMILY DETACHED
(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.

SECURITY DEVELOPMENT LLC
BY: [Signature] MEMBER
(SIGNATURE OF APPLICANT) STEVEN K. BROWN

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

5/6084
COUNTY #

SOIL PROFILE

(86A)

Red Br Heavy Loam 4'

Tan Sa Loam

~10% Saproelite

One Small Vein of

~40% Saproelite

From 7' to 10'

15.5'

(86C)

Red Br Heavy Loam 2.5'

Light Br and White Sa Loam

5-10% Saproelite

14'

(86B)

Red Br Heavy Loam 4'

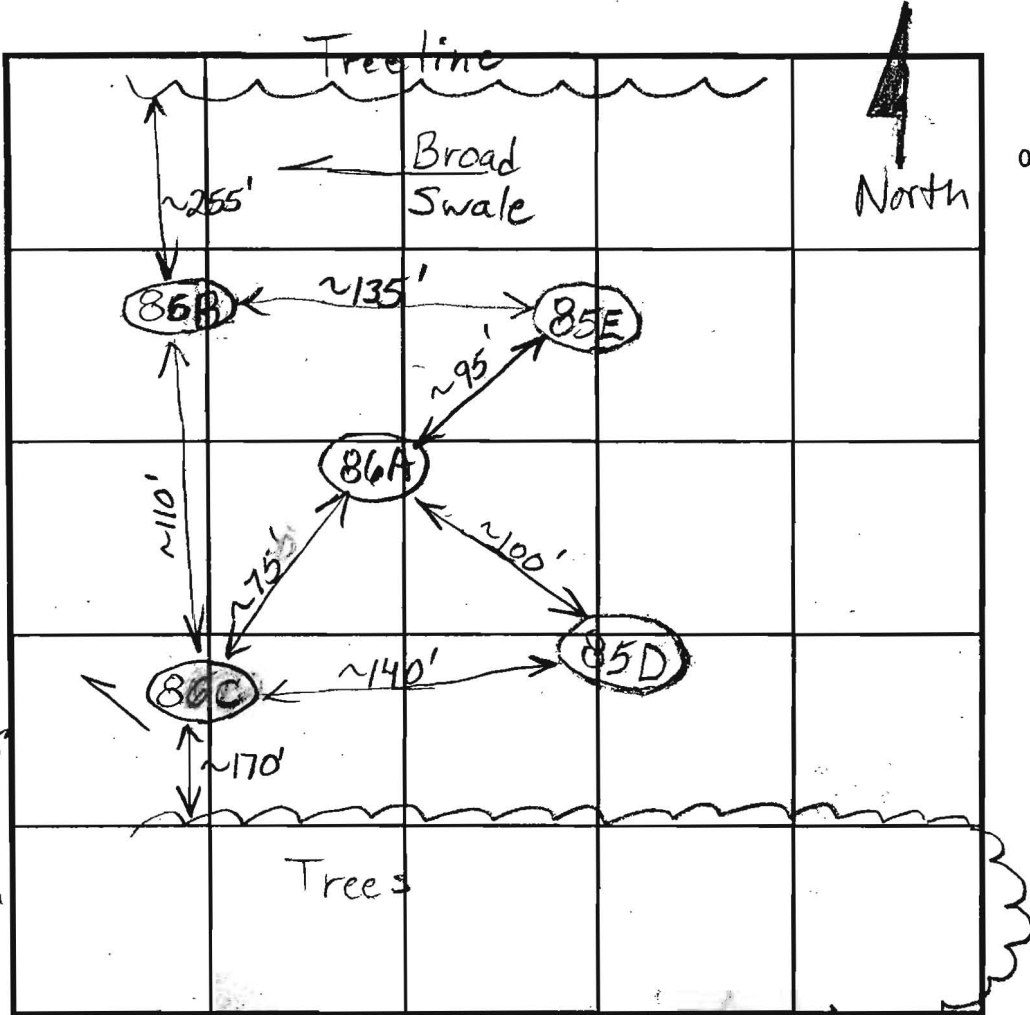
Dr Br Sa Cl Loam

5'

Light Br Dense Sa Loam

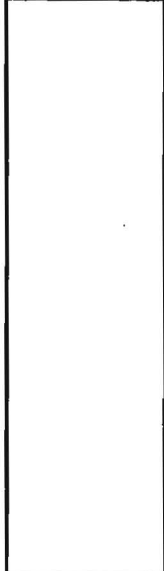
~10% Saproelite

14'



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	
7/2/02	86A	5.5'/15.5'	9:47	9:48	9:48	9:50	2
		7'	9:40	9:40:40	9:40:40	9:41:40	~1
	Repair Small Hole	7'	9:48	9:49:15	9:49:15	9:50:45	1 1/2
	86C	6.5'/14'	9:55:30	9:57	9:57	9:59	2
		3.5'-4.0'	9:58	9:59	9:59	10:00:30	1 1/2
	86B	7'/14.5'	10:14:30	10:29	10:29	10:53:30	24 1/2
		5'	10:22	10:34	10:34	~7/8" in 30 min Slow	

REMARKS Holes Dug Per Plan

TYPE OF SOIL

TESTED BY B. Baker ALSO PRESENT Hatfields

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH

INLET DEPTH MAXIMUM BOTTOM DEPTH SQ. FT./BEDROOM

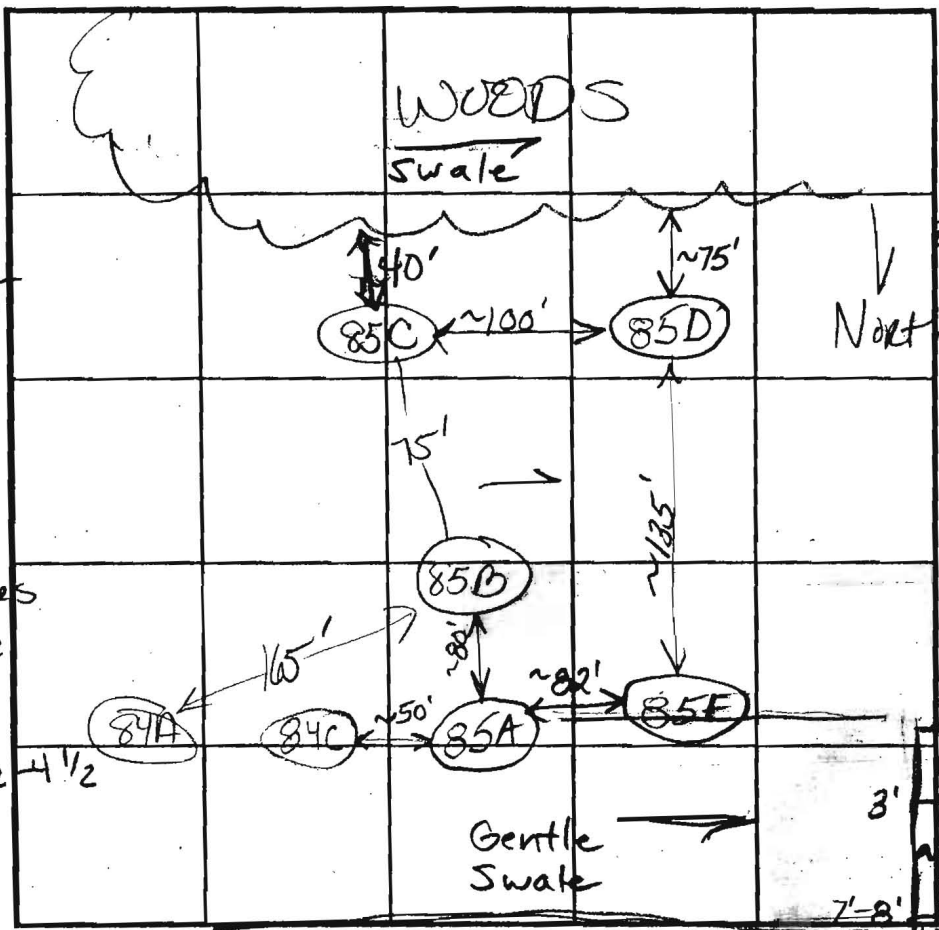
516084

COUNTY #

SOIL PROFILE
85C
 Strong org brn
 hvy Lm-clum 4 1/2
 5'
 DK bluish grey DK brn
 black sand cave-in @ 11' mottles water 12 1/2

85B
 hvy Lm ybrn S. Loam 3 1/2
 4 1/2
 ↓
 Depth 8?
 SAND Loam 12 1/2
 Cave-in @ 11' water 3'

85A
 Red Br Heavy Loam 2-25'
 Or Red Br Loam 3.5-4'
 Beige and Brown Sa Loams ~10% saprolite mottling Not Distinct Water 13.25'



SOIL PROFILE
85E
 Red Br Heavy Loam 2-25'
 Or Br Loam and Sa Loams 4'
 Light Br Sa Loam 8.5'
 Caving Mottling Water 12'
85D
 Red Br Heavy Loam 3'
 Red Br Heavy Loam and Br Sa Loam Mix ~10% Saprolite 7-8'
 Light Br Sa Loam 10-15% Saprolite 14.5'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6-21-02	85C	12.5'V					FAIL
	85B	13'V					WS
7/2/02	85A	3.5'/13 1/4'	8:30	8:54	8:54	~1/4 in 20 min	Slow
		7'	8:30	8:31	8:31	8:32:15	1 in 15 sec WS
	12"x12"	7'	8:36:30	8:39	8:39	8:42	3
	85E	5'/12'V	9:03	9:03:30	9:03:30	9:05:20	~2 (F)
		7.5'	9:07:30	9:09:30	9:09:30	9:13	3 1/2
		(Caving as Being Tested)					
	85D	3.5'/14.5'V	No Time	9:22:20	9:22:30	9:37	14 1/2 (F)
		6.5'	9:22	~1/4" in 10 minutes			Slow

REMARKS Holes Dig Per Plan Lot 85 is Wet Season
 TYPE OF SOIL _____
 TESTED BY B. Baker/K. Noonan ALSO PRESENT Hatfields
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____
 INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

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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 Security Development

ADDRESS P.O. Box 417, Ellicott City, MD 21041 PHONE (410) 465-4244

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Homewood LOT NO. _____

ROAD AND DESCRIPTION Homewood Road

TAX MAP 23+29 PARCEL # 20+86

SIZE OF LOT 1 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 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

(224)

Red Br and Or Br Loam

Med Br Sa Loam

15-20% Rock and Saprolite

Water

(222)

Red Br Loam

Or Br Sa Loam and Red Br Si Loam

Tan Sa Loam

5-10% Rock and Saprolite

(221)

Red Br Heavy Loam

Or Br Loam

Dense Or Br Sa Loam

Tan Sa Loam

~15% Rock and Saprolite

SOIL PROFILE

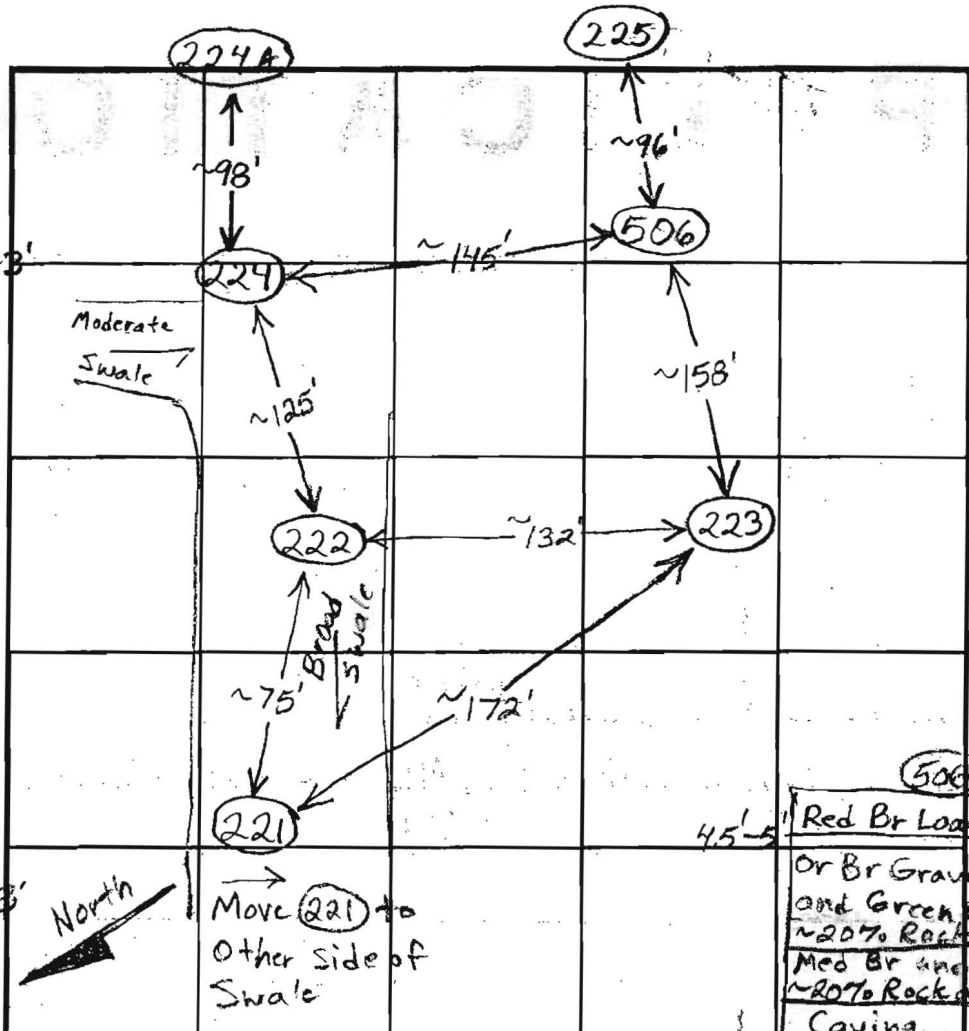
(223)

Red Br Loam

Or Br Loam and Sa Loam

Beige Sa Loam

15-20% Rock and Saprolite



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
5/20/03	224	3'9" / 15" V	10:42	10:46	10:46	10:52	6	O.K.
		5'10"	10:37	10:38:30	10:38:30	10:40:45	~2 1/2	
	222	4'3" / 16" V	11:00	11:03	11:03	11:08	5	O.K.
		6.5'	10:59:30	11:02	11:02	11:06:30	4 1/2	
	221	4'3" / 15.5" V	11:20	~1/8" in 10 minutes				Slow O.K.
		6'10"	11:20:15	11:22:30	11:22:30	11:25:45	~3 1/2	
	223	5'	11:30	11:36:30	11:36:30	11:51:30	14	O.K.
		3'10" / 14" V	11:53	12:06:30	12:06:30	12:33:30	27	
	506	6.5'	11:53:30	11:56	11:56	11:59	3	O.K.
		4'3" / 12" V	12:28:45	Little Movement in 10 minutes		Slow		
		5'	12:27	12:31:45	12:31:45	12:40:45	9	(F)
		7'	12:26:30	12:36	12:36	12:50	14	

REMARKS: Move Farther Away From Swale

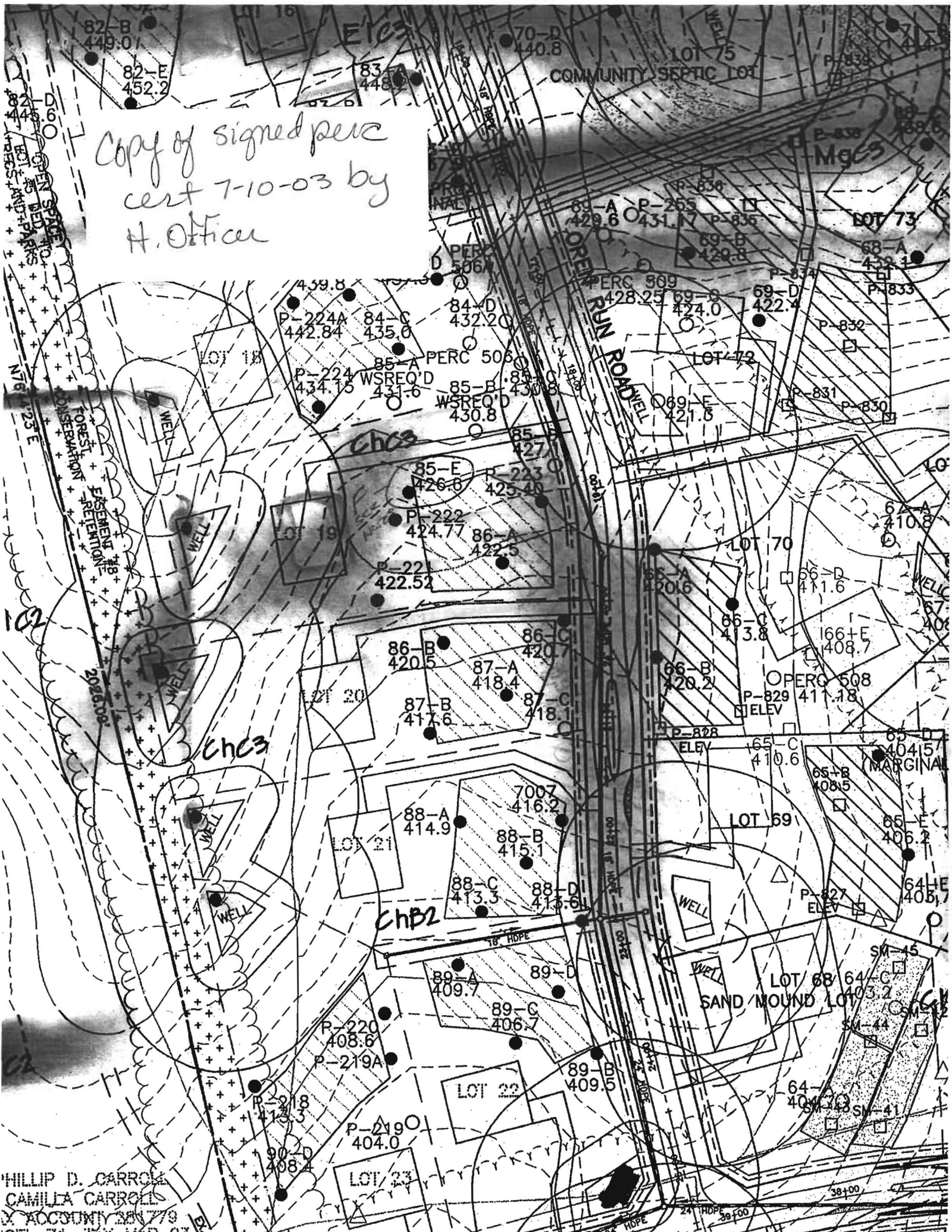
TYPE OF SOIL: _____

TESTED BY: B. Baker / F. Alfonso ALSO PRESENT: _____

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME: _____ TRENCH WIDTH: _____

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

Copy of signed perc
cert 7-10-03 by
H. Officer



HILLIP D. CARROLL
CAMILIA CARROLL
ACCOUNT 281779
ICEL 71, TAX MAP 23

F-04-82
 signed 1/17/06

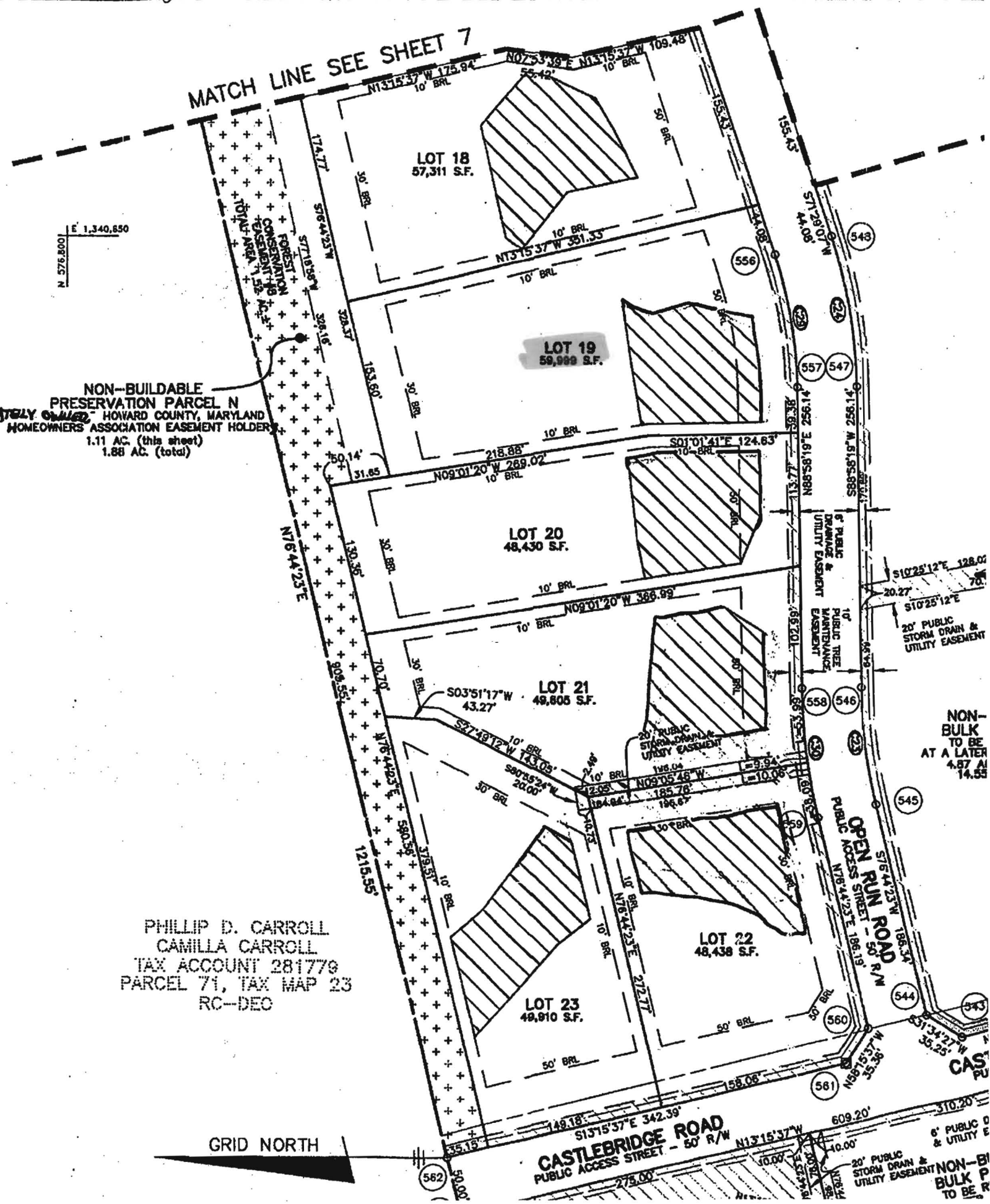
MATCH LINE SEE SHEET 7

N 576.800
 E 1,340.650

NON-BUILDABLE
 PRESERVATION PARCEL N
 (PREVIOUSLY OWNED BY) HOWARD COUNTY, MARYLAND
 HOMEOWNERS ASSOCIATION EASEMENT HOLDER
 1.11 AC. (this sheet)
 1.88 AC. (total)

PHILLIP D. CARROLL
 CAMILLA CARROLL
 TAX ACCOUNT 281779
 PARCEL 71, TAX MAP 23
 RC-DEC

GRID NORTH




CASTLEBRIDGE ROAD
 PUBLIC ACCESS STREET - 50' R/W

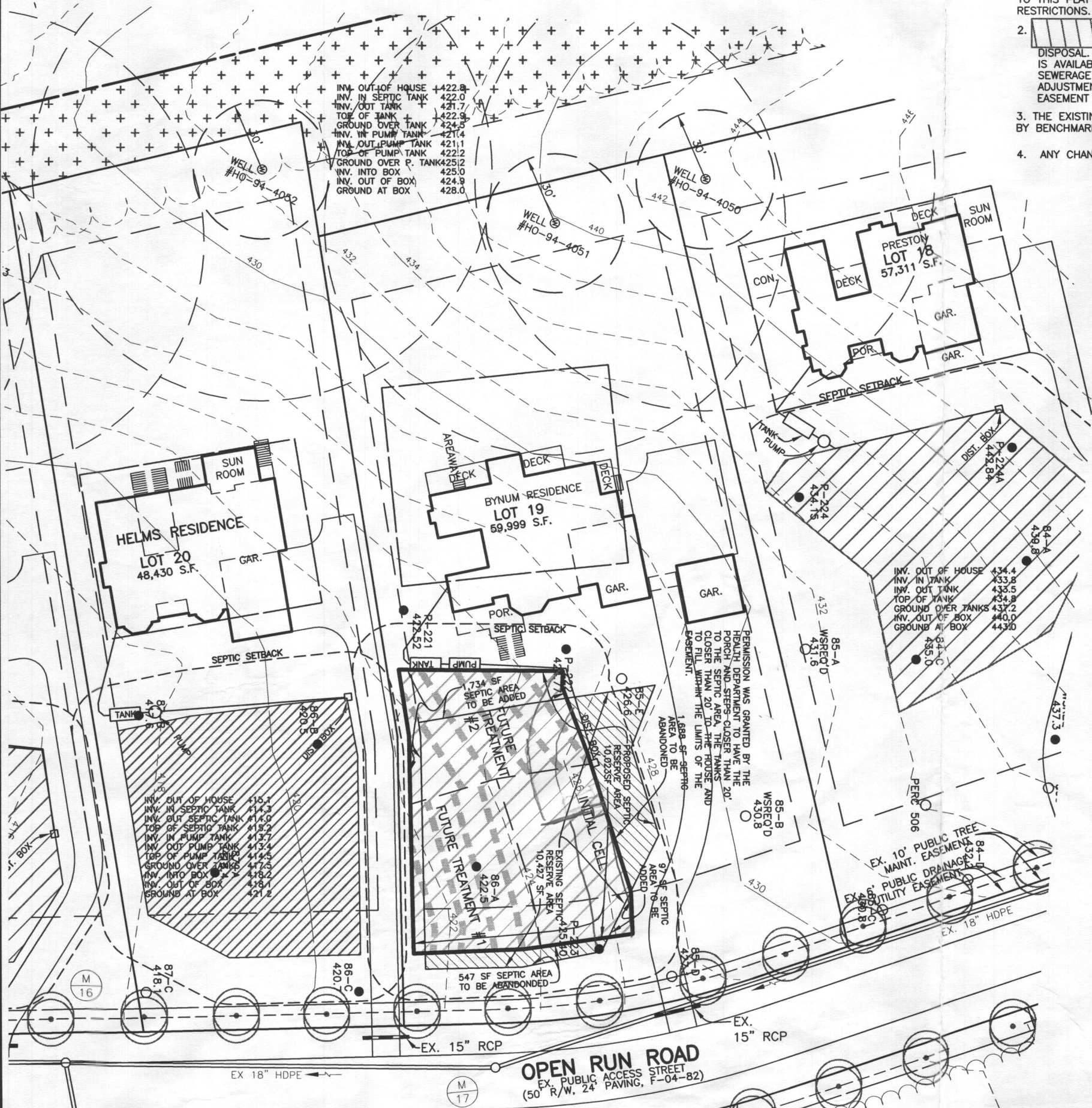
OPEN RUN ROAD
 PUBLIC ACCESS STREET - 50' R/W

NON-BULK
 TO BE
 AT A LATER
 4.87 A/
 14.55

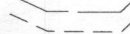



6' PUBLIC & UTILITY E
 20' PUBLIC STORM DRAIN & UTILITY EASEMENT
 NON-BULK TO BE P

NOTES:

1. THE LOT SHOWN HEREON WAS RECORDED ON 2-16-06 AS PLAT NUMBER 18038. REFER TO THIS PLAT FOR LOT DIMENSIONS, LOT AREAS, ALL EASEMENTS AND BUILDING RESTRICTIONS.
2.  THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA IS RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THIS 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 MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE NECESSARY.
3. THE EXISTING WELL (TAG NO. HO-94-4051) SHOWN ON THIS PLAN HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. ON OR ABOUT 6-8-2005 AND IS ACCURATELY SHOWN.
4. ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.



LEGEND

-  EXISTING CONTOURS ESTABLISHED UNDER F-04-082
-  FIELD SURVEYED WELL LOCATION
-  7001A 402.8 PASSED PERCOLATION TEST PER P-03-010
-  62-A 397.10 FAILED PERCOLATION TEST PER P-03-010

APPROVED:
 FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT

Robert J. Weber
 COUNTY HEALTH OFFICER AT 1700

4/23/07
 DATE

BENCHMARK
 ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS

ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE ▲ SUITE 418
 ELLICOTT CITY, MARYLAND 21043
 PHONE: 410-465-6105 FAX: 410-465-6644
 www.bei-civilengineering.com

BUILDER: CAMBERLEY HOMES, INC.
 6905 ROCKLEDGE DRIVE
 SUITE 800
 BETHESDA, MARYLAND 20817
 301-803-4929

RIVERWOOD
LOT 19

12060 OPEN RUN ROAD, ELLICOTT CITY, MD 21042
 TAX MAP 29, GRIDS 3, 4, 9 & 10 - PARCEL 20
 3rd ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

REVISED
PERCOLATION CERTIFICATION PLAN

DATE:	APRIL 16, 2007	PROJECT NO.	1950
SCALE:	1" = 50'	DRAWING	1 OF 1