7/11/97

APPLICATION

PERCOLATION TESTING

A 58527A

P

DISTRICT

DATE 6-18-97

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

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 ALAN W. ANDERSON & DEBRA J. ANDERSON

ADDRESS 7057 MINK HOLLOW RD. HIGHLAND MD. 20777 PHONE (410) 531-1520

AGENT OR PROSPECTIVE BUYER N/A

ADDRESS N/A PHONE N/A

PROPERTY LOCATION:

SUBDIVISION LOT NO. 1

ROAD AND DESCRIPTION APPROX. 1000'± WEST OF THE INTERSECTION OF OLD FREDERICK RD (RTE 99) & WOODSTOCK RD (RTE 125) - 10860 OLD FREDERICK RD.

TAX MAP 10 PARCEL # 102

SIZE OF LOT 40,000 SqFt ± TYPE BLDG. SINGLE FAMILY
(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

HD-216 (3/92)

5852'1H

COUNTY #

SOIL PROFILE

0'

(1)

orange/br red clay lm

4.0'

brown/red silty lm white flecs at 6.0' 15% shale frags

2.0'

(2)

orange/br clay lm

3.5'

tan/brown silty loam, flecs of mica 10% shale frags

8.0'

WATER

12.0'

(3)

orange/br/red clay loam

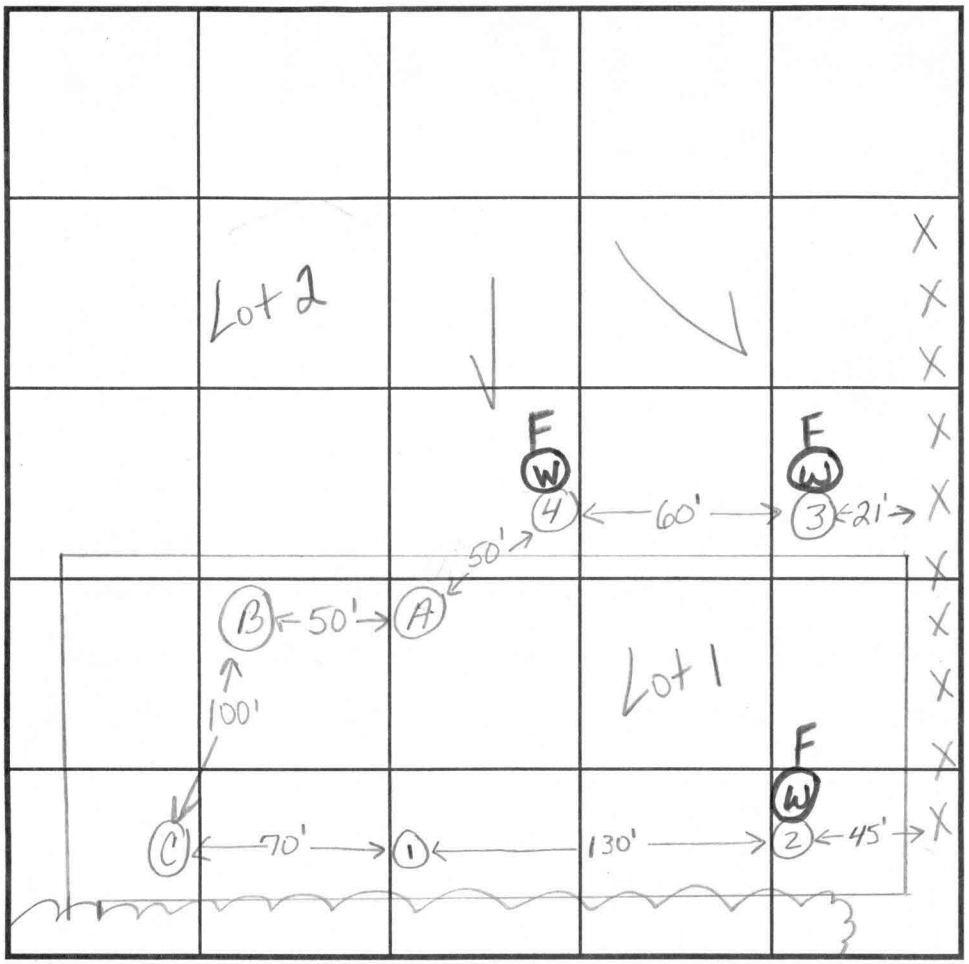
7.0'

tan/br silty loam 10% shale frags

7.0'

WATER

9.0'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE. Old Frederick Road

SOIL PROFILE

0'

(A)

or/red/brown clay loam

4.5'

tan/br silty loam flecs of mica 10% shale frags

14.0'

(4)

red/br clay lm

4.0'

or/br/red silty lm 10% shale frags

15.0'

WATER

11.0'

12.0'

DATE	TEST NO.	DEPTH	PRE-WET START	PRE-WET STOP	TEST - 1" DROP START	TEST - 1" DROP STOP	TIME	
7-11-97	1	5.0'S	10:29 30	10:35 30	10:35 30	10:44	9½ min	
		12.0'D	-visual ok, see profile					
	2	5.5'S	10:45 30	10:46 30	10:46 30	10:48 30	2min	W
		11.0'D	(Water at 8.0' at 4:05)					F
	3	4.5'S	10:58 30	10:59 30	10:59 30	11:01 30	2min	W
		10.0'D	(Water at 9.0' at 4:05)					F
	4	5.0'S	11:59 30	12:00 30	12:00 30	12:01 30	1min	W
		12.0'D	(Water at 11.0' at 4:05)					F
		(repour)	12:03 30	12:04 30	12:04 30	12:06 30	2min	
	A	5.0'S	4:00	4:15	4:15	4:37	22min	
		14.0'D	visual ok - see profile					

REMARKS test holes staked

TYPE OF SOIL (W) = water in test hole

TESTED BY Kim Maiste ALSO PRESENT Debbie Anderson

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 7-8min TRENCH WIDTH 2.0

INLET DEPTH 4.0 MAXIMUM BOTTOM DEPTH 6.0 SQ. FT/BEDROOM 180

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

HD-216 (3/92)

58527H
COUNTY #

SOIL PROFILE

0'

(B)
red/or brown clay loam

4.0'

tan/br silty loam 10% shale frags

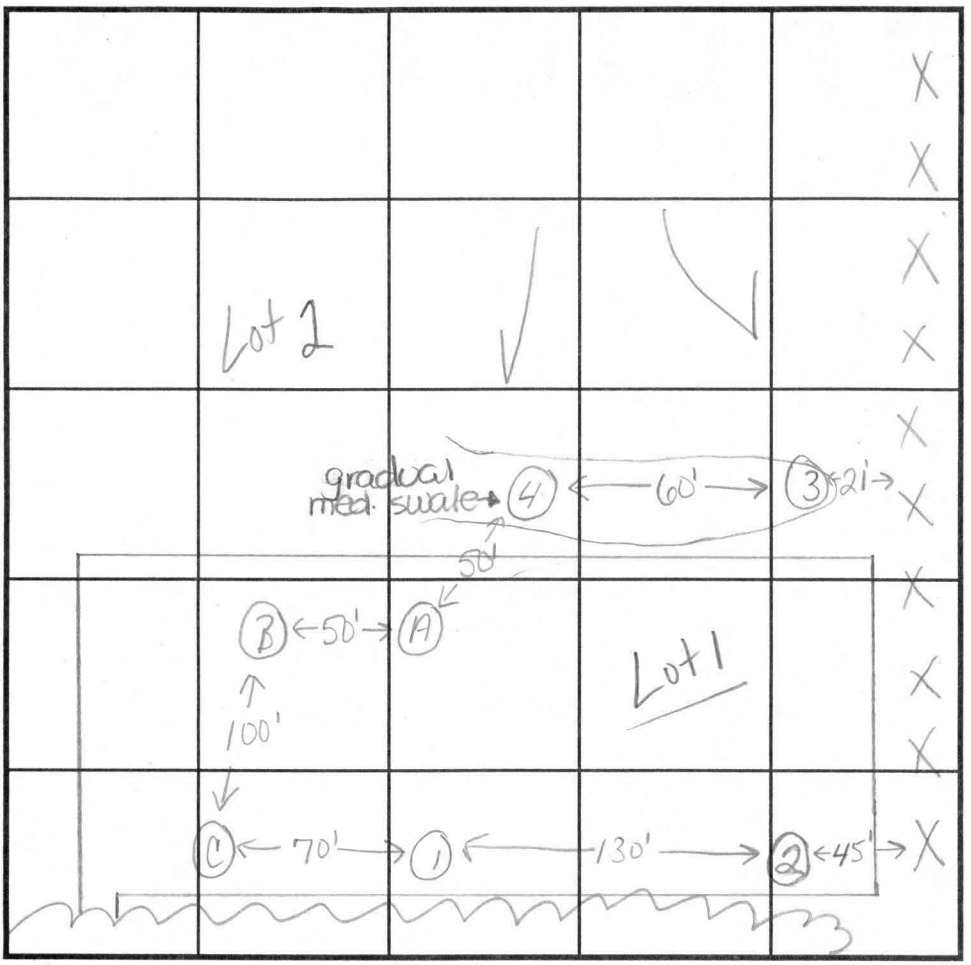
12.0'

(C)
red/or/ brown clay lm

1.0'

tan/red brown silty loam 10% shale frags

2.0'



SOIL PROFILE

0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET START	PRE-WET STOP	TEST - 1" DROP START	TEST - 1" DROP STOP	TIME
7-11-97	B	12.0'D	visual	only -	ok see	profile	
	C	5.0'S	4:35 30	4:37	4:37	4:39	2 min
		12.0'D	visual	ok - see	profile		

REMARKS test holes staked

TYPE OF SOIL

TESTED BY Kim Maiste ALSO PRESENT Debbie Anderson

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 7-8 min TRENCH WIDTH 3

INLET DEPTH 4.0 MAXIMUM BOTTOM DEPTH 6.0 SQ. FT/BEDROOM 180

COUNTY #

SOIL PROFILE

0' 506

1' topsoil

org brn

3' dlm

3.5' lt brn

sa mica

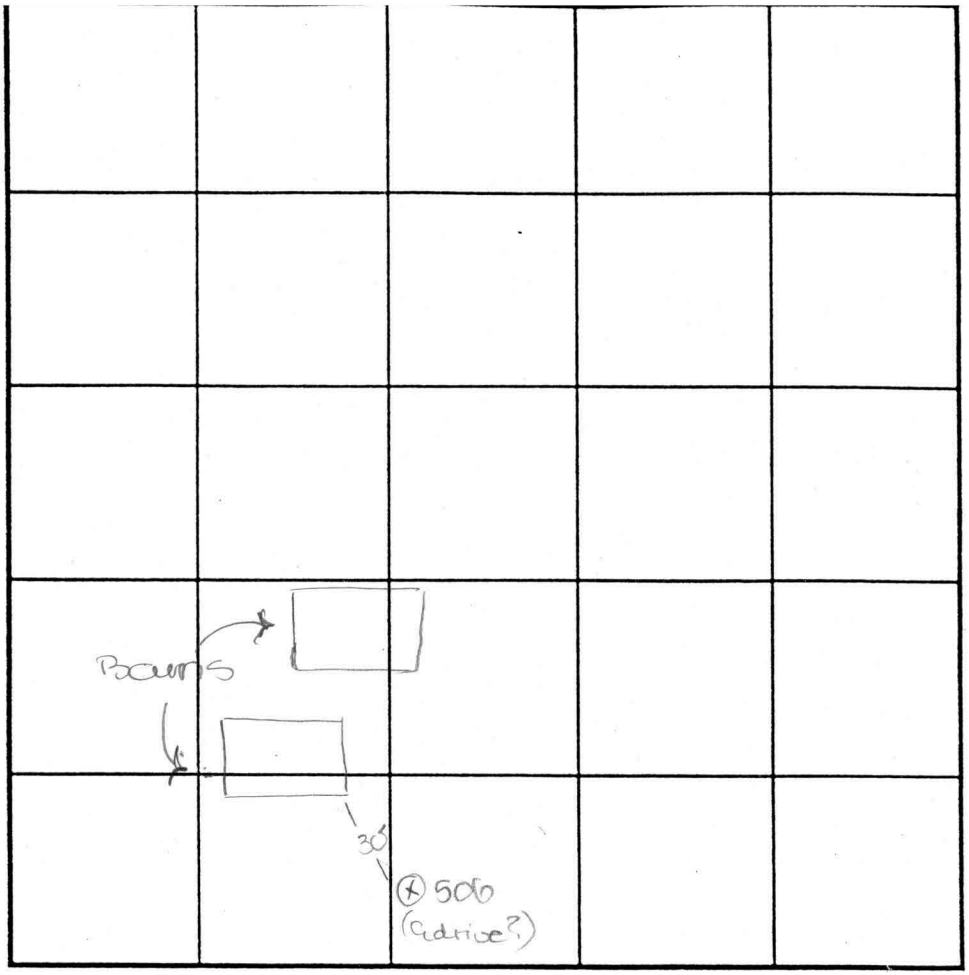
Lm

10-15% rock

13.5'

SOIL PROFILE

0'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Old Frederick Road

DATE	TEST NO.	DEPTH	PRE-WET START	PRE-WET STOP	TEST - 1" DROP START	TEST - 1" DROP STOP	TIME
5-15-01	506	13.5' D	visual	- see	profile		OK

REMARKS hole not staked

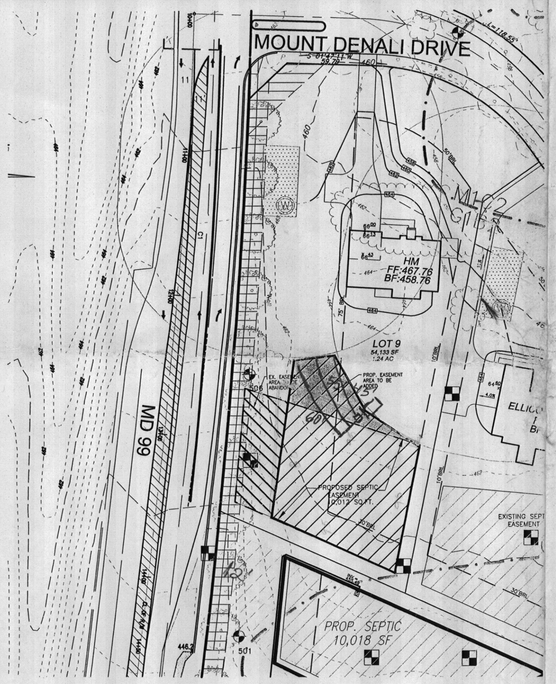
TYPE OF SOIL

TESTED BY DKC ALSO PRESENT C. Zepp, T. Feaga

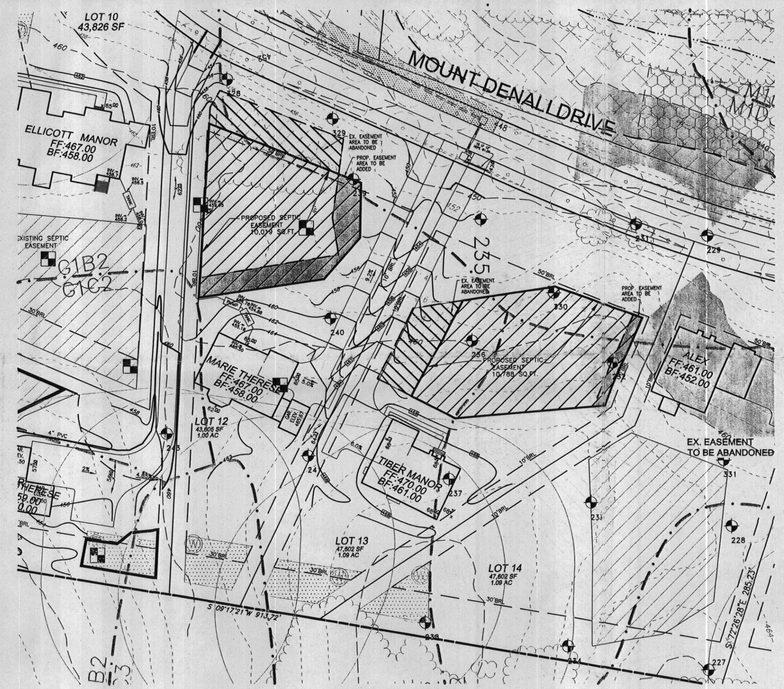
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

Signed per cost



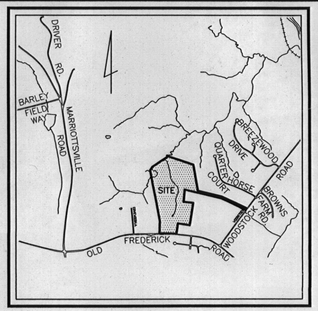
LOT 9



LOTS 12 & 13

LEGEND

- EXISTING CONTOUR — 382 — 380
- EXISTING TREES TO REMAIN
- SOIL BOUNDARY
- PASSED PERC. TEST 221
- FAILED PERC. TEST
- PREVIOUS PASSED PERC. TEST
- EXISTING WELL
- PROPERTY LINE
- PREVIOUSLY APPROVED SEPTIC AREA
- REVISED SEPTIC AREA
- PROP. SEPTIC AREA TO BE ADDED
- EX. SEPTIC AREA TO BE ABANDONED

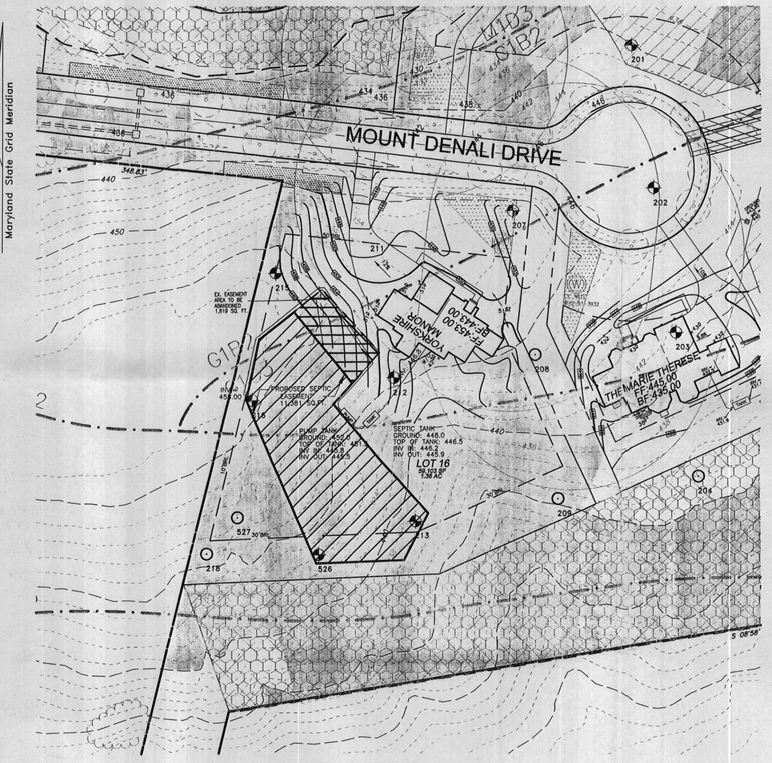


VICINITY MAP

SCALE: 1"=2000'

SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	TYPE	'K' VALUE	HYDRIC	HYDRIC INCLUSIONS
EIC3	ELIOAK SILTY CLAY LOAM, 8 TO 15 PERCENT SLOPES, SEVERLY ERODED	B	.28	NO	NO
GIB2	GLENELG LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	B	.32	NO	NO
GIC2	GLENELG LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	B	.32	NO	NO
GIC3	GLENELG LOAM, 8 TO 15 PERCENT SLOPES, SEVERLY ERODED	B	.32	NO	NO
GnB2	GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	C	.32	NO	YES
MIC2	MANOR LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	B	.37	NO	NO
MID3	MANOR LOAM, 15 TO 25 PERCENT SLOPES, SEVERLY ERODED	B	.37	NO	NO
MIE	MANOR LOAM, 25 TO 45 PERCENT SLOPES	B	.37	NO	NO



LOT 16

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

GENERAL NOTES:

1. THE PROPERTY OUTLINE IS BASED ON A BOUNDARY SURVEY PREPARED BY FREDERICK WARD ASSOC., DATED MARCH 2001.
2. THE EXISTING FEATURES AND CONTOURS SHOWN HEREON ARE BASED ON AERIAL TOPOGRAPHY PREPARED BY POTOMAC AERIAL SURVEYS, INC. ON APRIL 4, 2001.
3. WELLS HAVE BEEN DRILLED AND FIELD LOCATED FOR LOT 9 (TAG # HO-94-3876), LOT 12 (TAG # HO-94-3879), LOT 13 (TAG # HO-94-3880) & LOT 16 (TAG # HO-94-3931).
4. THE LOT SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
5. ALL WELLS AND SEPTIC SYSTEMS WITHIN 100' FROM THE PROPERTY BOUNDARIES HAVE BEEN SHOWN.
6. ANY CHANGE TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.

OWNER/DEVELOPER

TBI HOMES, INC.
3675 PARK AVENUE, SUITE 301
ELLICOTT CITY, MARYLAND 21043
(410) 480-0023

NOTE:
THE PURPOSE OF THIS REVISED PERCOLATION CERTIFICATION PLAN IS TO REVISE THE SEPTIC EASEMENTS FOR LOTS 9, 12, 13 & 16.

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEM ON LOTS 9, 12, 13 & 16.

B Nifan for Peter Beilenson — 8/17/10
COUNTY HEALTH OFFICER — DATE

PERCOLATION CERTIFICATION:
I CERTIFY THAT THE LOCATIONS SHOWN HEREON ARE BASED ON FIELD LOCATIONS DONE UNDER MY DIRECT SUPERVISION, AND ARE CORRECT, TO THE BEST OF MY PROFESSIONAL KNOWLEDGE AND BELIEF.

Thomas M. Hoffman Jr. — 8-10-10
THOMAS M. HOFFMAN, JR.
LAND SURVEYOR No. 267 — DATE

REVISED PERCOLATION CERTIFICATION PLAN

THE PRESERVE AT WAVERLY GLEN

LOTS 9, 12, 13 & 16

TAX MAP 10 BLOCK 23
4TH ELECTION DISTRICT

PARCELS '304' & '102'
HOWARD COUNTY, MARYLAND

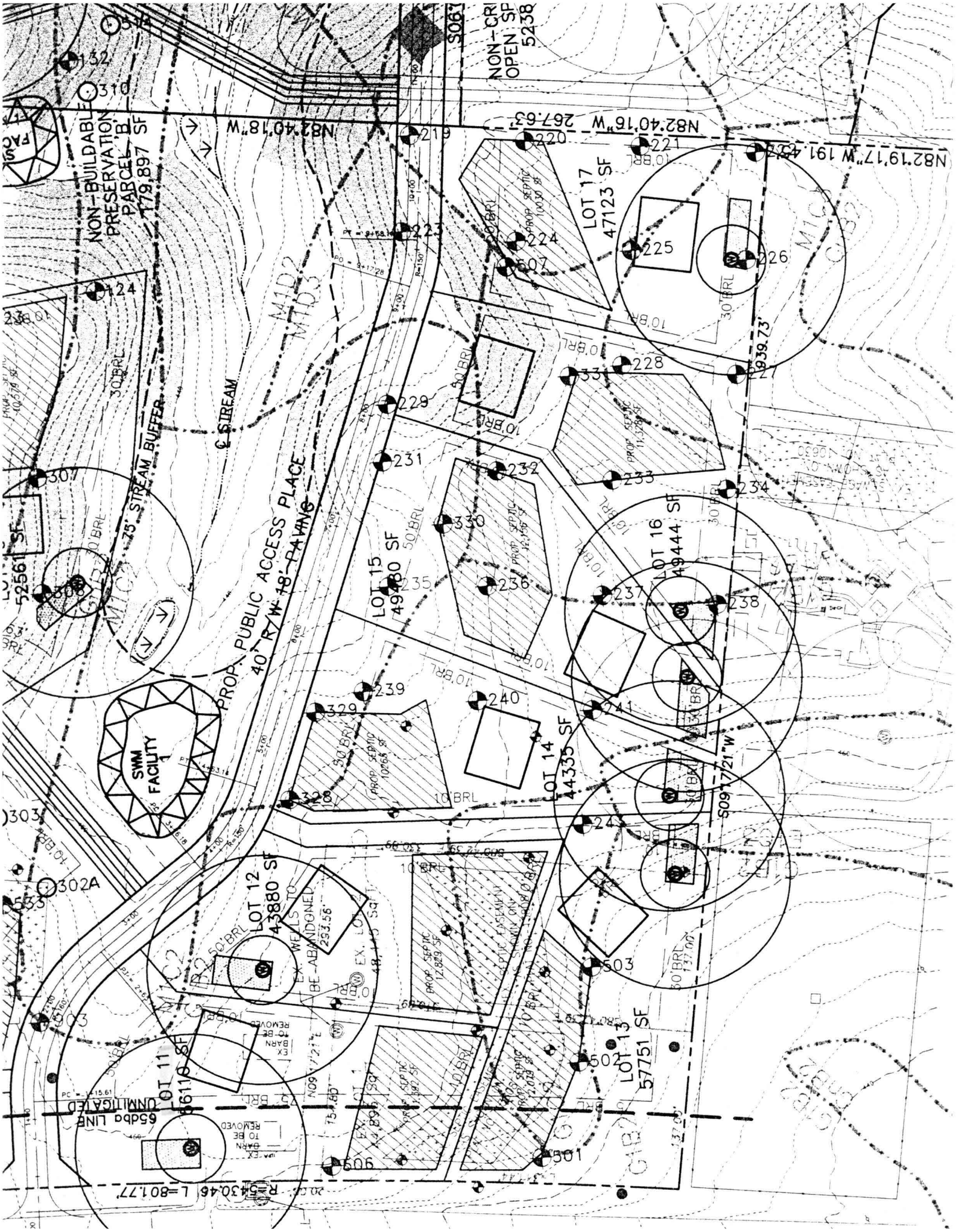
ROBERT H. VOGEL ENGINEERING, INC.
ENGINEERS • SURVEYORS • PLANNERS
8407 MAIN STREET
ELLICOTT CITY, MD 21043
TEL: 410.461.7666
FAX: 410.461.8961

ROBERT H. VOGEL, PE No.16193

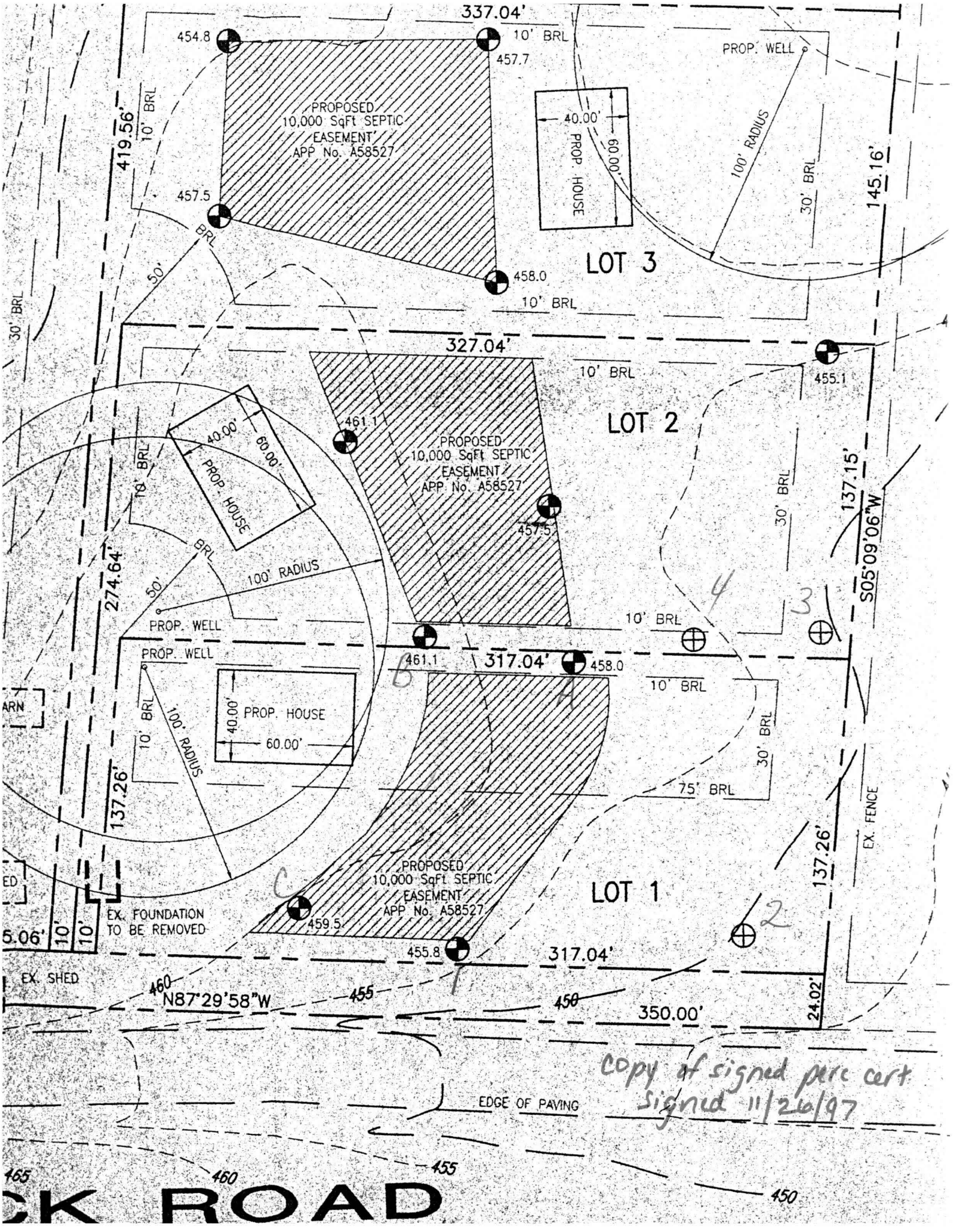
DESIGN BY:	JCO
DRAWN BY:	JCO&HS
CHECKED BY:	RHV
DATE:	JUNE, 2010
SCALE:	1"=50'
W.O. NO.:	20171390

SHEET 1 OF 1

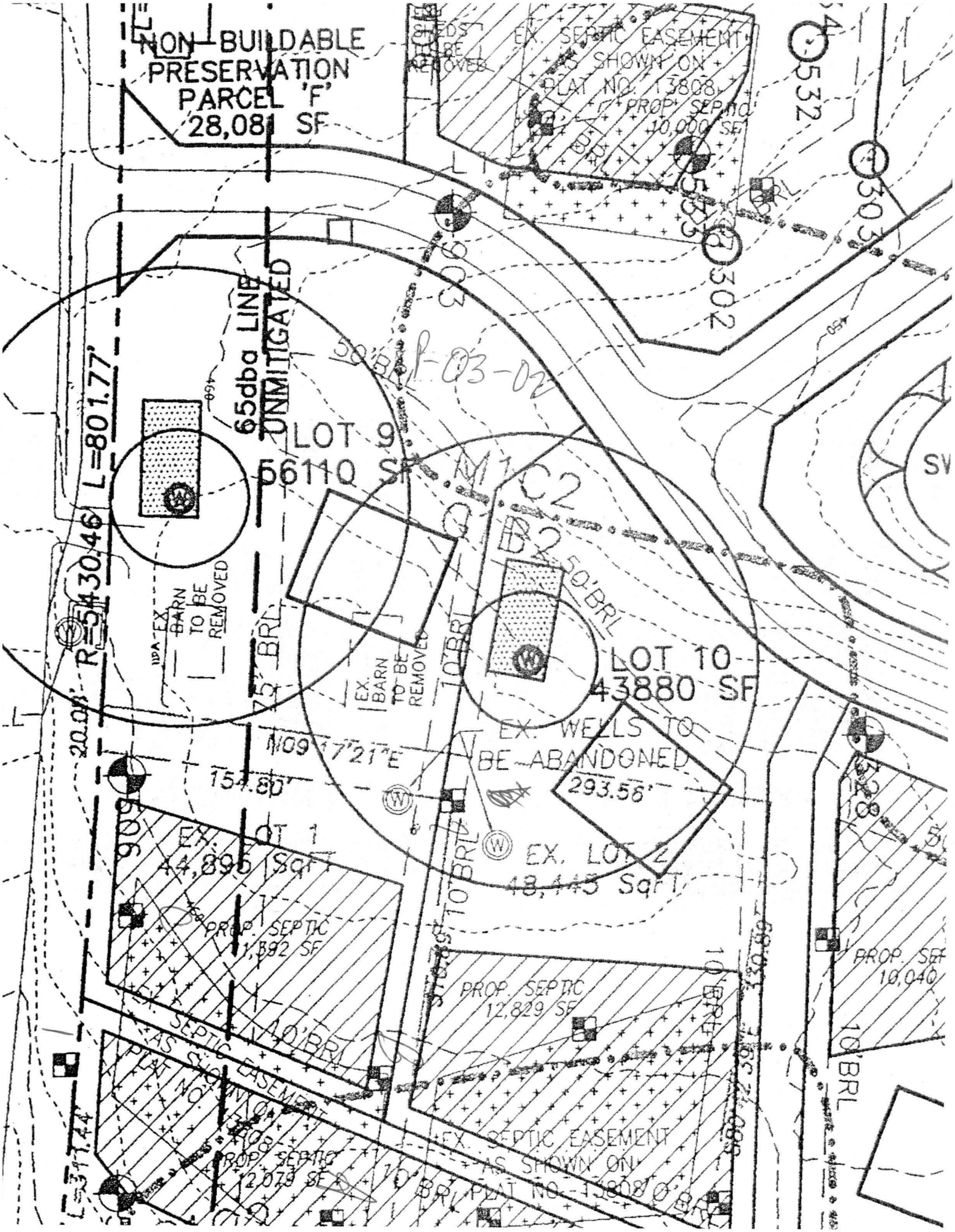
Projects\20171390\ENGR\dwg\GP_PLANS\REV_PERC\LT9 12 13 16.dwg, 8/10/2010 2:31:16 PM, cogle

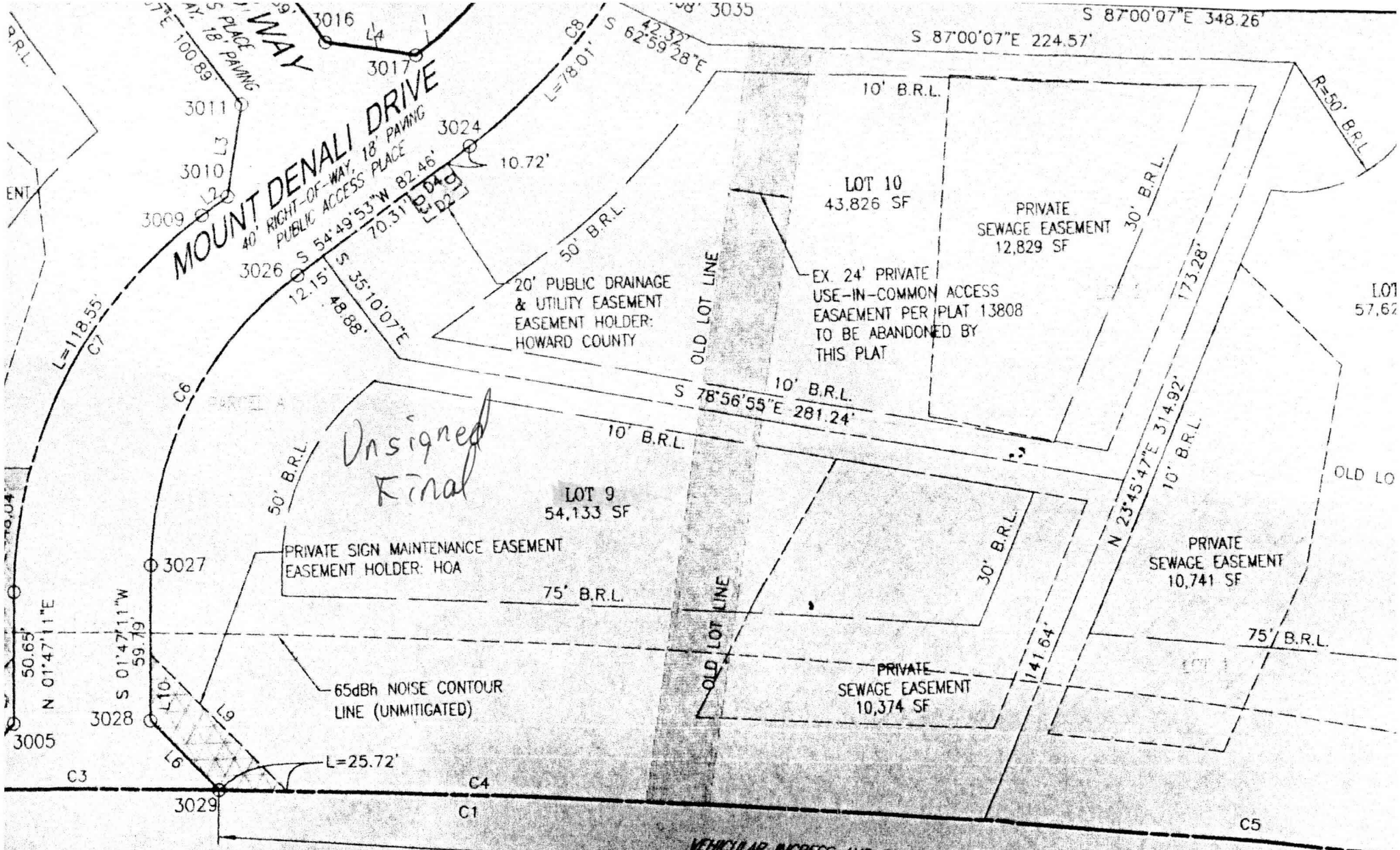


NON-BUILDABLE PRESERVATION PARCEL 'B' 179,897 SF
NON-CRI OPEN SP 5238
N82°40'18"W
N82°40'16"W 267.63'
N82°19'17"W 191.43'
LOT 17 47123 SF
LOT 16 49444 SF
LOT 15 49480 SF
LOT 14 44335 SF
LOT 13 57751 SF
LOT 12 43880 SF
LOT 11 56110 SF
PROP. PUBLIC ACCESS PLACE 40' R/W 18' PAVING
75' STREAM BUFFER
℄ STREAM
SWM FACILITY 1
65dba LINE UNMITIGATED
R=5430.46 L=801.77'
939.73'
S09°17'21"W



copy of signed perc cert
signed 11/26/97


NON-BUILDABLE
PRESERVATION
PARCEL 'F'
28,081 SF
EX. SEPTIC EASEMENT
AS SHOWN ON
PLAT NO. 13808
PROP. SEPTIC
10,000 SF
65dba LINE
UNMITIGATED
LOT 9
56110 SF
LOT 10
43880 SF
EX. BARN
TO BE
REMOVED
EX. WELLS TO
BE ABANDONED
293.56'
154.80'
N09°17'21"E
EX. LOT 1
44,895 SqFT
EX. LOT 2
48,445 SqFT
PROP. SEPTIC
1,392 SF
PROP. SEPTIC
12,829 SF
PROP. SEPTIC
12,079 SF
PROP. SEPTIC
10,040
EX. SEPTIC EASEMENT
AS SHOWN ON
PLAT NO. 13808
R=5430.46
L=801.77'
L=311.44'
20.08'
50'BRL
10'BRL
75' BRL
M1
C2
B2
P-03-02
532
303
302
903
909
328



CK ROAD (MD RT. 99)

ERIAL (80' RIGHT-OF-WAY)
DEDICATED PER PLAT 13808

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.

OORDINATE TABLE

Easting	Point	Northing	Easting
1343594.7457	3016	601735.3563	1343947.3696
			1343982.1513