

# APPLICATION

PERCOLATION TESTING

A 516063

P \_\_\_\_\_

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

DISTRICT 5TH

DATE 11/7/01

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 D.R. HORTON

ADDRESS 1370 PICCARD DRIVE  
ROCKVILLE, MD 20850 PHONE 301-670-6144

AGENT OR PROSPECTIVE BUYER CLARK SPERRY

ADDRESS P.O. BOX 417  
ELLICOTT CITY MD 21041 PHONE 410-465-4244

PROPERTY LOCATION:

SUBDIVISION PALMER PROPERTY LOT NO. 14

ROAD AND DESCRIPTION TEN OAKS ROAD  
CLARKSVILLE

TAX MAP 34 PARCEL # 77

SIZE OF LOT 1 Ac ± 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.

John M. Flaherty D.R. HORTON, INC  
(SIGNATURE OF APPLICANT) VICE PRES.

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

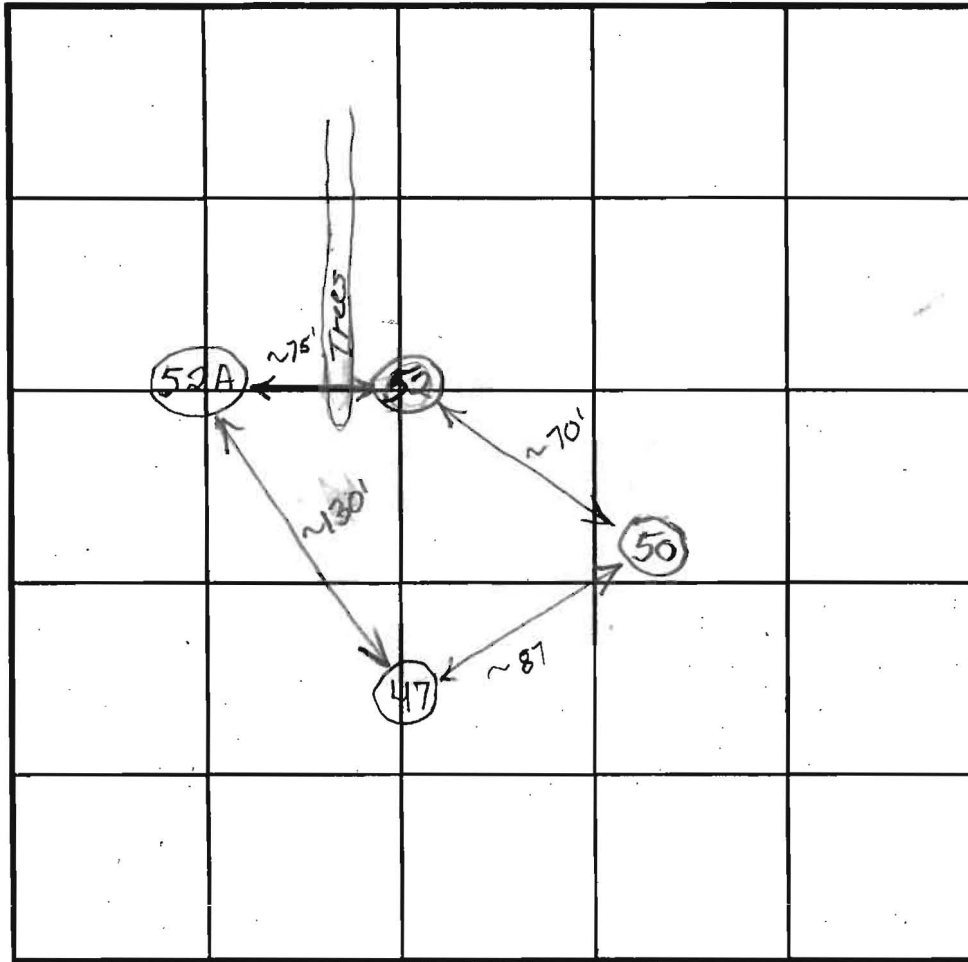
0'  
 (50)  
 Red Br Cl  
 Loam  
 2.5'  
 Red Br Sa  
 Cl Loam  
 1.5'  
 Depth  
 Varies  
 4.5'-10'  
 Light Red  
 and Br  
 Sa Loam  
 10-15%  
 Rock  
 15'

(52)

1/2'  
 Red Br Cl  
 Loam  
 Red Br Sa  
 Cl Loam  
 Depth  
 Varies  
 4.5'-8'  
 Med Red  
 Br Sa Cl  
 Loam  
 10-15%  
 Rock  
 15.5'

(52A)

2.5'  
 Red Br Cl  
 Loam  
 3.5'  
 Red Or Br  
 Si Cl Loam  
 Light Br  
 Sa Loam  
 ~10%  
 Rock  
 Mottling  
 Near  
 Bottom  
 15.5'



SOIL PROFILE

0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Ten Oaks Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11/29/01	50	5.5'/15.5'	12:03	12:03:30	12:03:30	12:05	1 1/2 OK
	(52)	5.5'/15.5'	12:15:30	12:16:20	12:16:20	12:17:50	1 1/2 OK
	(52A)	5.5'/15.5'	12:14	12:15:15	12:15:15	12:17:05	1/min 50 sec O.K.

REMARKS Dry soils holes per plan  
 TYPE OF SOIL \_\_\_\_\_  
 TESTED BY Brian Baker ALSO PRESENT HATFIELDS - Donny  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_  
 INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT/BEDROOM \_\_\_\_\_

COUNTY #

SOIL PROFILE

(622)

Red Br Heavy Loam

3.5'

Red Br Si Cl Loam Very Little Rock

5'

White Sa Loam ~25% Rock

9'

>50% Rock

14'

(623)

Red Br Heavy Loam

3.5'

Red Br, Or Br and Br Loam Very Little Rock

5.5'

Med Br Sa Loam ~20% Saprolite

7'

Caving Water

9.3'

(621)

Red Br Loam

2'

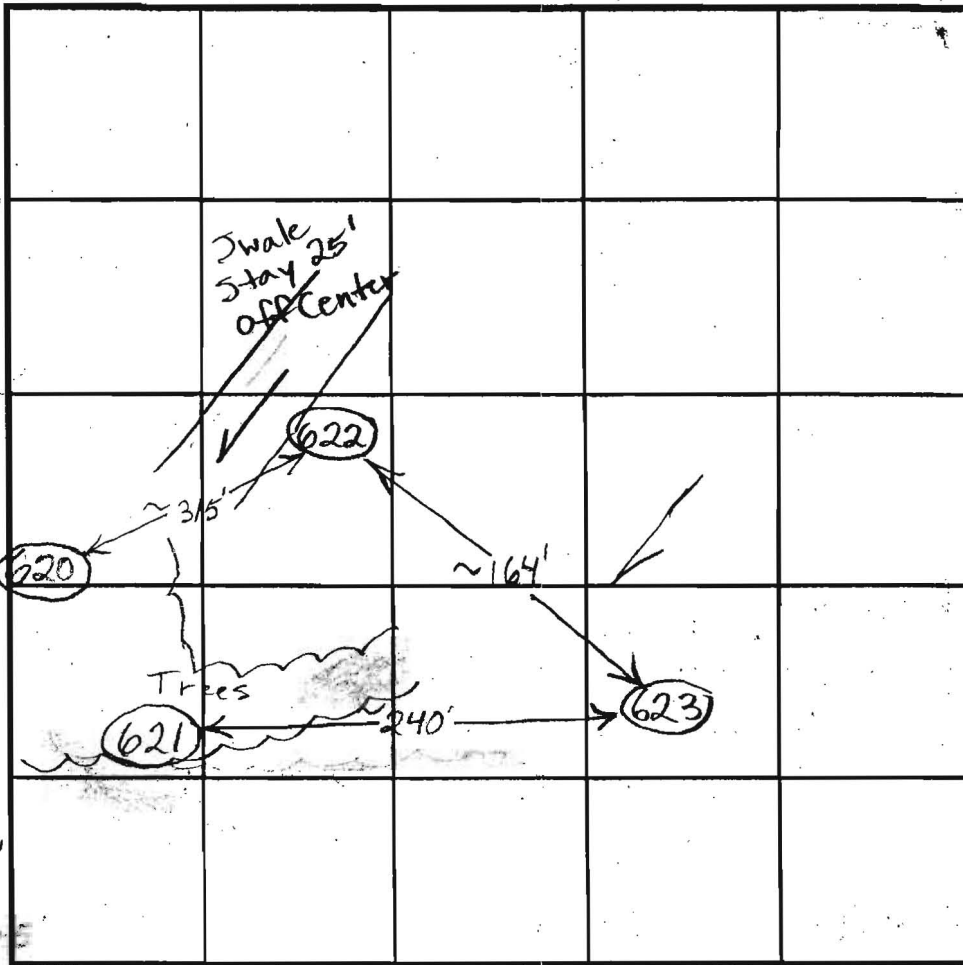
Red Br Loam and Mostly Br Sa Loam

4'

Br Sa Loam Very Little Rock

8'

Water



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

(620)

Red Br Si Cl Loam

3'

Red Br Si Cl Loam and Beige Sa Loam, ~25% Rock Below 5'

6.5'

Beige Gravelly Loam ~30% Rock

13'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
1/8/04	622	5.5' / 14' V	3:07	3:09:30	3:09:30	3:14:30	5
		7'3"	3:07:30	3:11:30	3:11:30	3:18:30	17
		5'	3:33	3:43	3:43	4:01	18
	623	4' / 9.5' V	3:40:30	~1/4" in 15 minutes			Slow
		7.5'	3:43	3:44:30	3:44:30	3:46:30	3
1/15/04		5'	9:46	10:01:30	10:01:30	10:13	3 1/2
Dug 10' →	621	4' / 8' V	9:56	9:57:40	9:57:40	10:00	2 1/2
Downhill		7'	10:00:45	10:07:45	10:07:45	10:20	12
of Stake	(620)	5' / 13' V	10:27	10:29:15	10:29:15	10:32:45	3 1/2
		6.5'	10:27:30	10:32:45	10:32:45	10:40:45	8

REMARKS Water Poured in Bottom of 622, ~ 1 inch in 10 seconds

TYPE OF SOIL >25% Slopes in Area of Test Hole 621

TESTED BY B. Baker

ALSO PRESENT

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM

(F)

(F)

Move Uphill

Marg.

COUNTY #

SOIL PROFILE  
430

0' Red and Or Br Loam and Topsoil 2'-3'  
Or Br Loam and Or Br Sa Loam 3.5'-4'  
Beige Sa Loam ~15% Rock and Saprolite  
Wet Near Bottom 13'

432

0' Or Br Loam and topsoil 2.5'  
Or Br Loam and Or Br Sa Loam 4.5'-5'

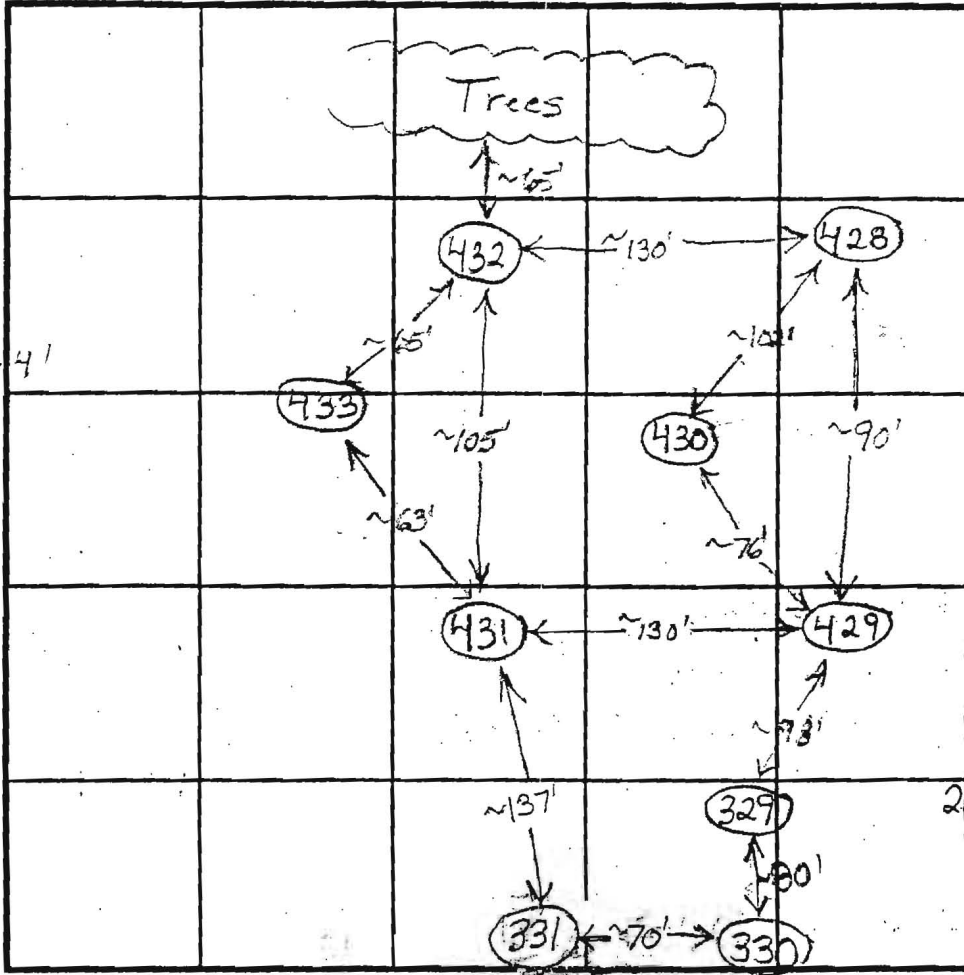
0' Or Br Sa Loam ~20% Rock and Saprolite

Hard Bottom 11'

433

0' Red Br Heavy Loam 3.5'-4'  
Or Br Si Loam and Beige Sa Loam 4.5'-5'

Beige Sa Loam ~15-20% Rock and Saprolite  
Wet/Mottled Near Bottom



SOIL PROFILE  
431

0' Or Br and Red Br Loam 2.5'-3'  
Very Fine Red Br Sa Loam 3.5'-4'  
Or Br and Med Br Sa Loam with Manganese & Iron Concentrations  
Turner Gray with Depth Caving at 5.5'  
Very Little Rock  
Water 11.5'

331

Topsoil + Loam  
Gray Mottling in Sa Structure  
Water Coming in Around 3' According to Digger

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
4/18/03	430	4.5'/13' V	1:08	1:13:30	1:13:30	1:21	6 1/2	O.K.
		7'	1:07:45	1:10	1:10	1:14	4	
	432	4'/11' V	1:30	1:40	1:40	1:55	15	O.K.
		7'	1:29	1:31	1:31	1:39:30	2 1/2	
	433	4' 8" / 13.5' V	1:58:15	2:18	2:18	35 minutes but dirt fell in test hole		O.K. Below 5'
		6' 10"	1:58	2:07	2:07	1:21	14	
		5.5'	2:29:45	2:33:30	2:33:30	2:39:30	6	
	431	4'/11.5' V	2:45:30	2:49:15	2:49:15	2:56:15	7	Marg.
		6' 10"	2:44:15	2:45:45	2:45:45	2:47:45	2	
	331	Gray Mottling Below 2.5'	Repeatedly Caving to Surface				(F)	

REMARKS 330 6.5' V; Loam to 2.5'; Mottling Beneath, Water 6.5' (F)

TYPE OF SOIL \_\_\_\_\_

TESTED BY B. Baker ALSO PRESENT \_\_\_\_\_

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_

COUNTY #

SOIL PROFILE

(300)

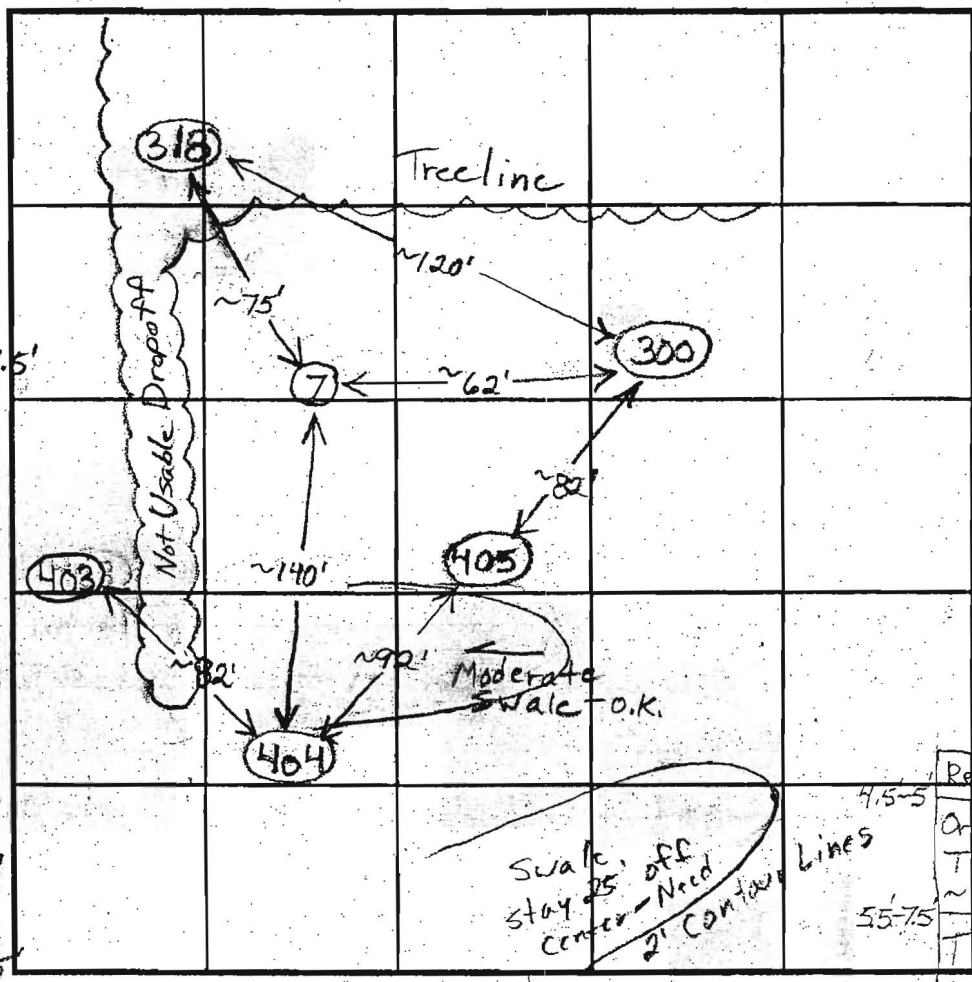
Or Br Loam and Topsoil 3'  
 Or Br Sa Loam 4'-4.5'  
 Tan Sa Loam ~15% Rock and Saprolite 13.5'

(7)

Or Br Loam and Topsoil 2.5'  
 Or Br Sa Loam 4'-5'  
 Light Br Sa Loam 10-15% Rock and Saprolite 13.5'

(405)

Or Br and Red Br Loam and Topsoil 6.5'-3'  
 Or Br Sa Loam ~15% Rock and Saprolite 6.5'-7'  
 Light Br Sa Loam ~20% Rock and Saprolite Below 12' Wet Near Base 14'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Ten Oaks Road

SOIL PROFILE

(404)

Red Br Heavy Loam and Red Br Loam 2.5'-3'  
 Red Br and Or Br Loam 4'-5'  
 Light Br Sa Loam ~20% Rock and Saprolite Soil Possibly Damp Below 11.5' - No Obvious Mottling 14'

(318)

Red and Or Br Loam 4.5-5'  
 Or Br Si Loam and Tan Sa Loam ~16% Rock 5.5-7.5'  
 Tan Sa Loam ~15% Saprolite 12.5'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
4/17/03	(300)	4.5' / 13.5' V	9:49	9:50:45	9:50:45	9:53	~2 1/2	O.K.
		8'	9:48:30	9:50	9:50	9:52	2	
	(7)	3.5' / 13.5' V	10:01:30	10:04:30	10:04:30	10:08:15	~4	O.K.
		7.5'	10:00:45	10:03	10:03	10:06	3	
	405	4.5' / 14' V	10:16:20	10:17	10:17	10:17:45	45 sec	O.K.
		8'	10:16	10:17:30	10:17:30	10:20:10	~2 1/2	
	404	4.5' / 14' V	10:38:30	10:49:30	10:49:30	11:06	16 1/2	O.K.
		7'	10:37:30	10:42:30	10:42:30	10:48:45	~6	
5/6/03	(318)	5' 4" / 12.5' V	3:53	3:59:30	3:59:30	4:08:40	~9	
	Repair	7' 4"	3:59:45	4:01:45	4:01:45	4:03:45	2	

REMARKS: Dropoff in Tree Line Between Hole 403 + 318  
 TYPE OF SOIL: Move 30' Up From 318, Move ~3' Up From 404  
 TESTED BY: B. Baker ALSO PRESENT \_\_\_\_\_  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_  
 INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

COUNTY #

SOIL PROFILE

(424)

Red Br Heavy

Red Br and Or Br Heavy Loam and Loam

Or Br Loam and Or Br Sa Loam

Or Br Sa Loam, ~20% Rock and Saprolite

Or Br Sa Loam, ~20% Rock and Saprolite

Or Br Sa Loam, ~20% Rock and Saprolite

Or Br Sa Loam, ~20% Rock and Saprolite

Or Br Sa Loam, ~20% Rock and Saprolite

Or Br Sa Loam, ~20% Rock and Saprolite

Or Br Sa Loam, ~20% Rock and Saprolite

Or Br Sa Loam, ~20% Rock and Saprolite

Or Br Sa Loam, ~20% Rock and Saprolite

Or Br Sa Loam, ~20% Rock and Saprolite

Or Br Sa Loam, ~20% Rock and Saprolite

Or Br Sa Loam, ~20% Rock and Saprolite

Or Br Sa Loam, ~20% Rock and Saprolite

Or Br Sa Loam, ~20% Rock and Saprolite

Or Br Sa Loam, ~20% Rock and Saprolite

Or Br Sa Loam, ~20% Rock and Saprolite

Or Br Sa Loam, ~20% Rock and Saprolite

Or Br Sa Loam, ~20% Rock and Saprolite

Or Br Sa Loam, ~20% Rock and Saprolite

Or Br Sa Loam, ~20% Rock and Saprolite

Or Br Sa Loam, ~20% Rock and Saprolite

Or Br Sa Loam, ~20% Rock and Saprolite

Or Br Sa Loam, ~20% Rock and Saprolite

Or Br Sa Loam, ~20% Rock and Saprolite

Or Br Sa Loam, ~20% Rock and Saprolite

Or Br Sa Loam, ~20% Rock and Saprolite

Or Br Sa Loam, ~20% Rock and Saprolite

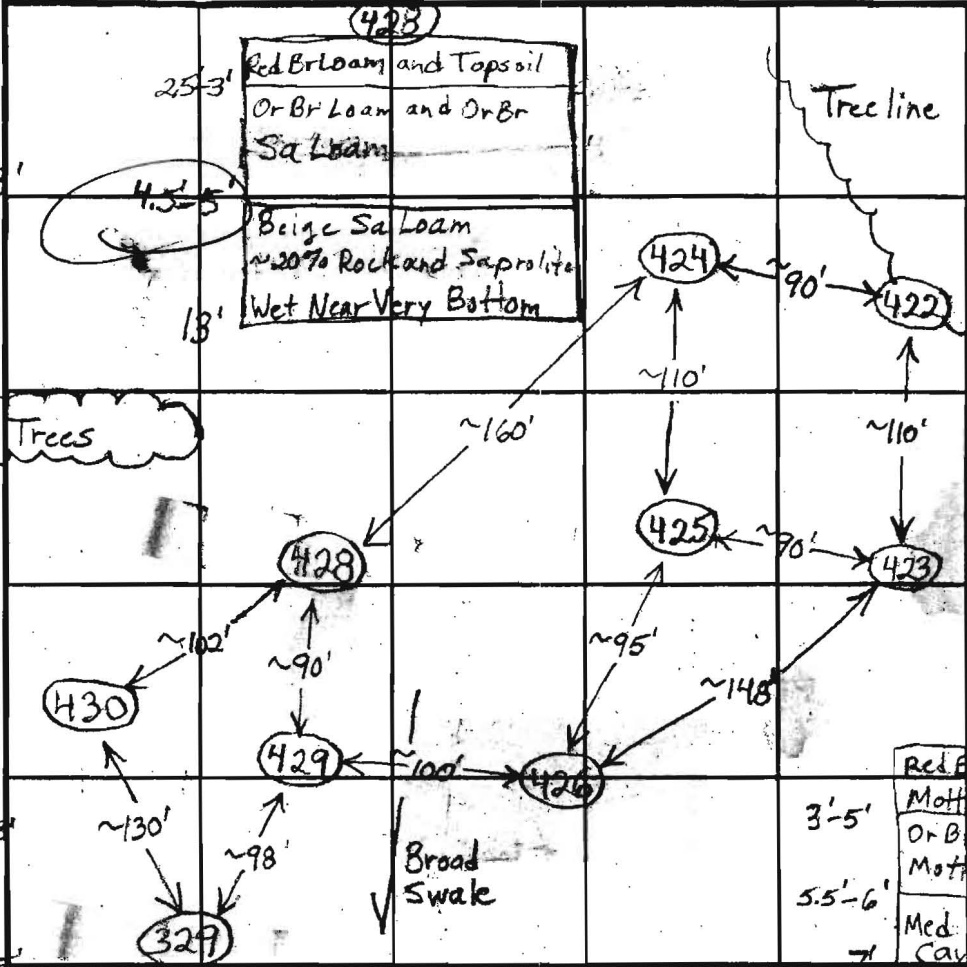
Or Br Sa Loam, ~20% Rock and Saprolite

Or Br Sa Loam, ~20% Rock and Saprolite

Or Br Sa Loam, ~20% Rock and Saprolite

Or Br Sa Loam, ~20% Rock and Saprolite

Or Br Sa Loam, ~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		
4/18/03	424	6' / 13.5'	10:08:30	10:16:30	10:16:30	10:30	13 1/2	O.K.
		7.5'	10:08:15	10:12:40	10:12:40	10:18:40	6	
	425	4' / 12' V	10:25:30	10:34:30	10:34:30	10:45:30	11	O.K.
		7.5'	10:25:45	10:29:30	10:29:30	10:34:30	5	
	426	3' 10" / 10.5'	11:03:15	11:13:30	11:13:30	11:38:30	25	Marg.
		7'	11:03	11:08	11:08	11:14	6	
	329	8' V					(F)	
	429	10' V - Sides Caved In					(F)	
	428	5' 8" / 13' V	12:08:15	12:11:50	12:11:50	12:18	~6	O.K.
		7'	12:08	12:12:30	12:12:30	12:20	7 1/2	
		4' 2"	12:25	12:34	12:34	12:51	17	

REMARKS

TYPE OF SOIL

TESTED BY B. Baker ALSO PRESENT

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH

INLET DEPTH MAXIMUM BOTTOM DEPTH SQ. FT./BEDROOM

SOIL PROFILE

(429)

Red Br Loam and Topsoil

Or Br and Br Wet Sa Loam

Loam Caving Below 4'

Gray Mottling Throughout

Very Little Rock

Water

Water

Water

Water

Water

Water

Water

Water

Water

Water

Water

Water

Water

Water

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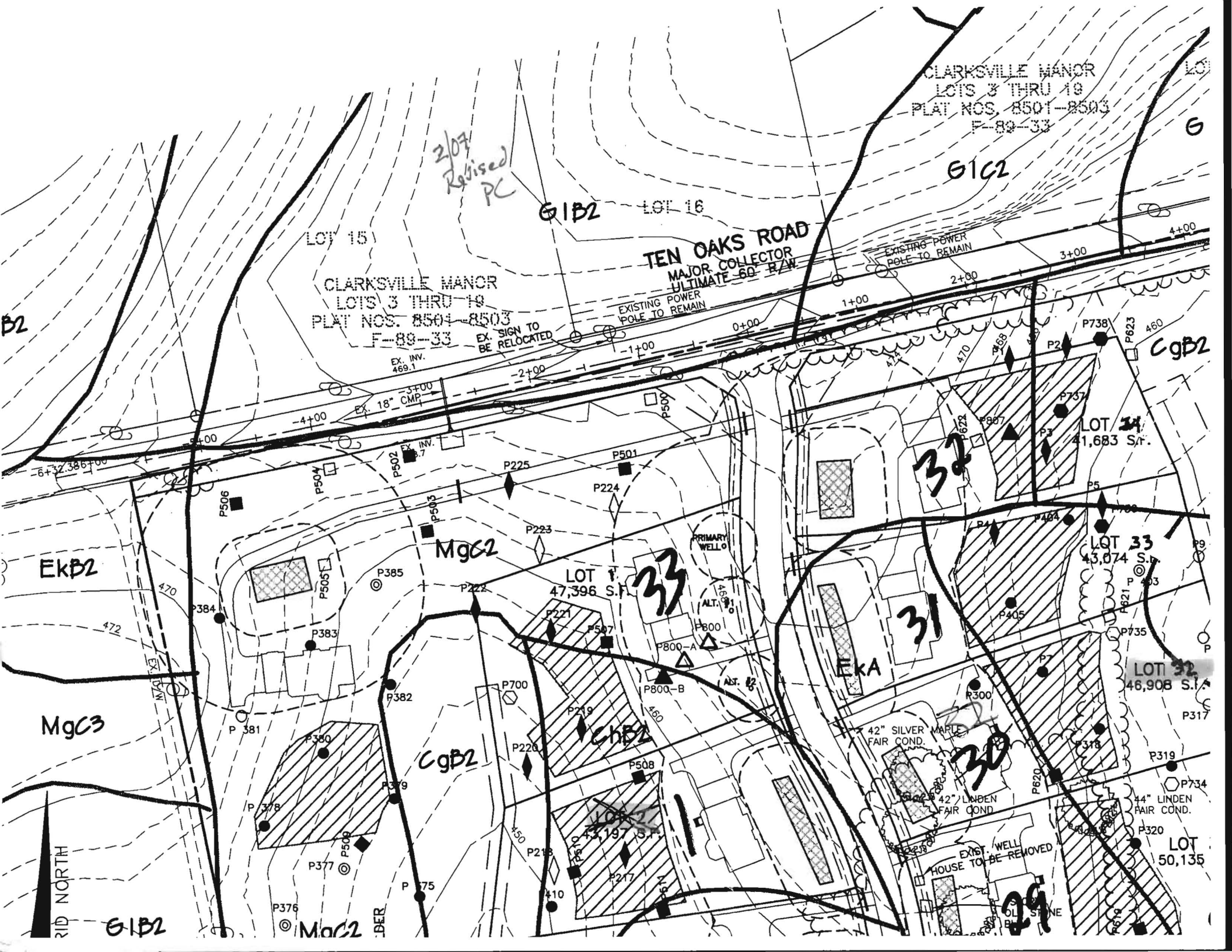
Water

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Water



CLARKSVILLE MANOR  
LOTS 3 THRU 16  
PLAT NOS. 8501-8503  
F-89-33

CLARKSVILLE MANOR  
LOTS 3 THRU 16  
PLAT NOS. 8501-8503  
F-89-33

TEN OAKS ROAD  
MAJOR COLLECTOR  
ULTIMATE 60' R/W

2/07  
Revised  
PC

G1B2 LOT 16

G1C2

LOT 15

G

B2

CgB2

LOT 34  
41,683 S.F.

LOT 33  
43,074 S.F.

LOT 33  
47,396 S.F.

LOT 32  
46,908 S.F.

LOT 31  
50,135 S.F.

EKB2

MgC2

EKA

MgC3

CgB2

ChB2



G1B2

MaC2

DER

42" SILVER FAIR COND.

42" LINDEN FAIR COND.

EXIST. WELL  
HOUSE TO BE REMOVED

PRIMARY WELLO

ALT. 91.0

ALT. 82.0

44" LINDEN FAIR COND.

SOIL STONE

-6+32.385+00

-4+00

EX. INV.  
469.1

EX. INV.  
469.7

P385

P380

P378

P377

P376

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COUNTY #

SOIL PROFILE

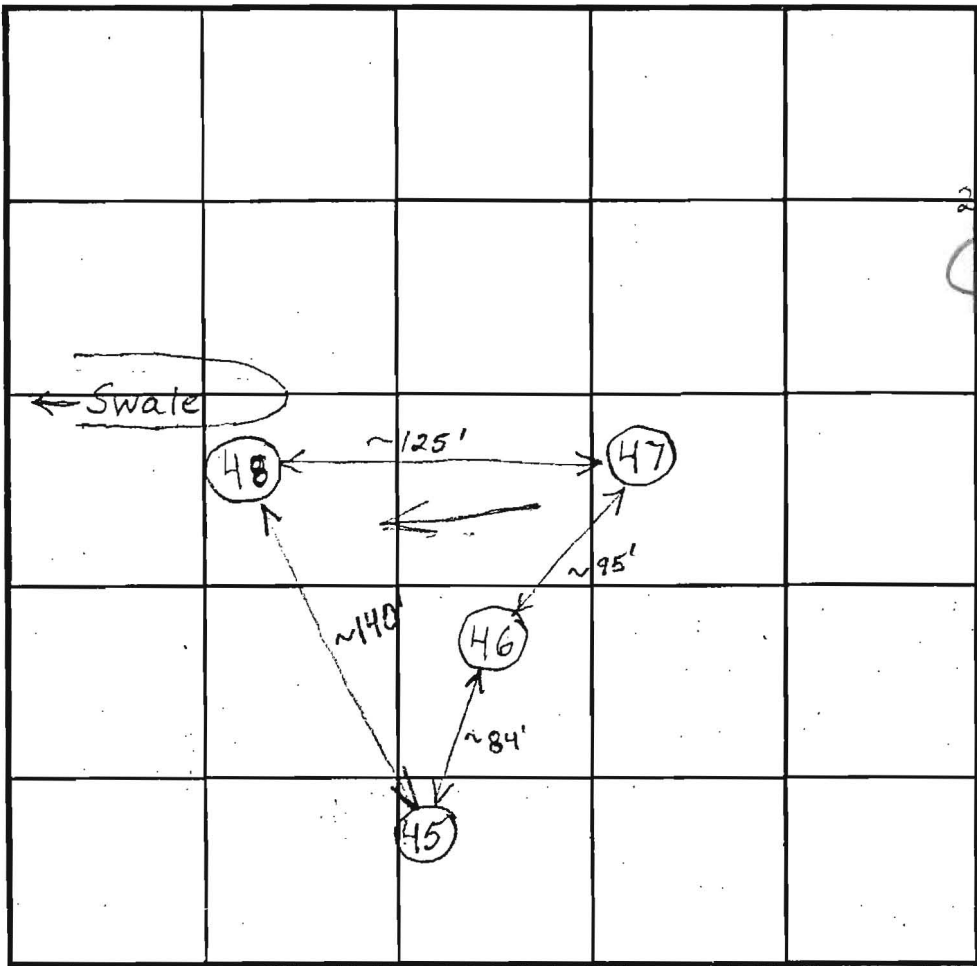
0' (47)  
 Red Br  
 Cl Loam  
 2.5' Red Or Br  
 Si Cl Loam  
 (6') Light Br  
 and Tan  
 Si Loam  
 ~10%  
 Rock  
 16'

(46)  
 Red Br  
 Cl Loam  
 2' or Br Si  
 Cl Loam  
 (3.5') Med Br  
 Sa Loam  
 ~10%  
 Rock  
 15'

(45)  
 Red Br Cl  
 Loam  
 3' Or Br Si  
 Cl Loam  
 4' Med Br  
 and Light  
 Br Si Loam  
 10-15%  
 Rock  
 14.5'  
 15' Caving  
 Water

SOIL PROFILE

0' (48)  
 Red Br  
 Cl Loam  
 2.5' Or Br Si  
 Cl Loam  
 (3') Light Or  
 Br Sa  
 Loam  
 17.5'  
 14' Caving  
 Water



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

len Oaks Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11/29/01	(47)	7' / 16' V	11:48	11:50	11:50	11:53:30	3 1/2
		4.5	11:59	12:08	12:08	- Slow	
	(46)	5.5' / 15' V	12:27:30	12:29:30	12:29:30	12:30:30	(2) OK
	45	6' / 15' V	12:42	12:43:30	12:43:30	12:46	2 1/2
	(48)	5' / 14' V	12:55	12:56:30	12:56:30	12:56:45	1 1/4 WS
		Repair	12:58	12:59:45	12:59:45	12:03:10	~3
	(47)	5' - 5.5'	1:12	1:18	1:18	1:28	10 OK
	45	4.5'	1:31	1:38	1:38	1:54	16 WS

REMARKS: Holes dug per plan

TYPE OF SOIL: Brian Baker

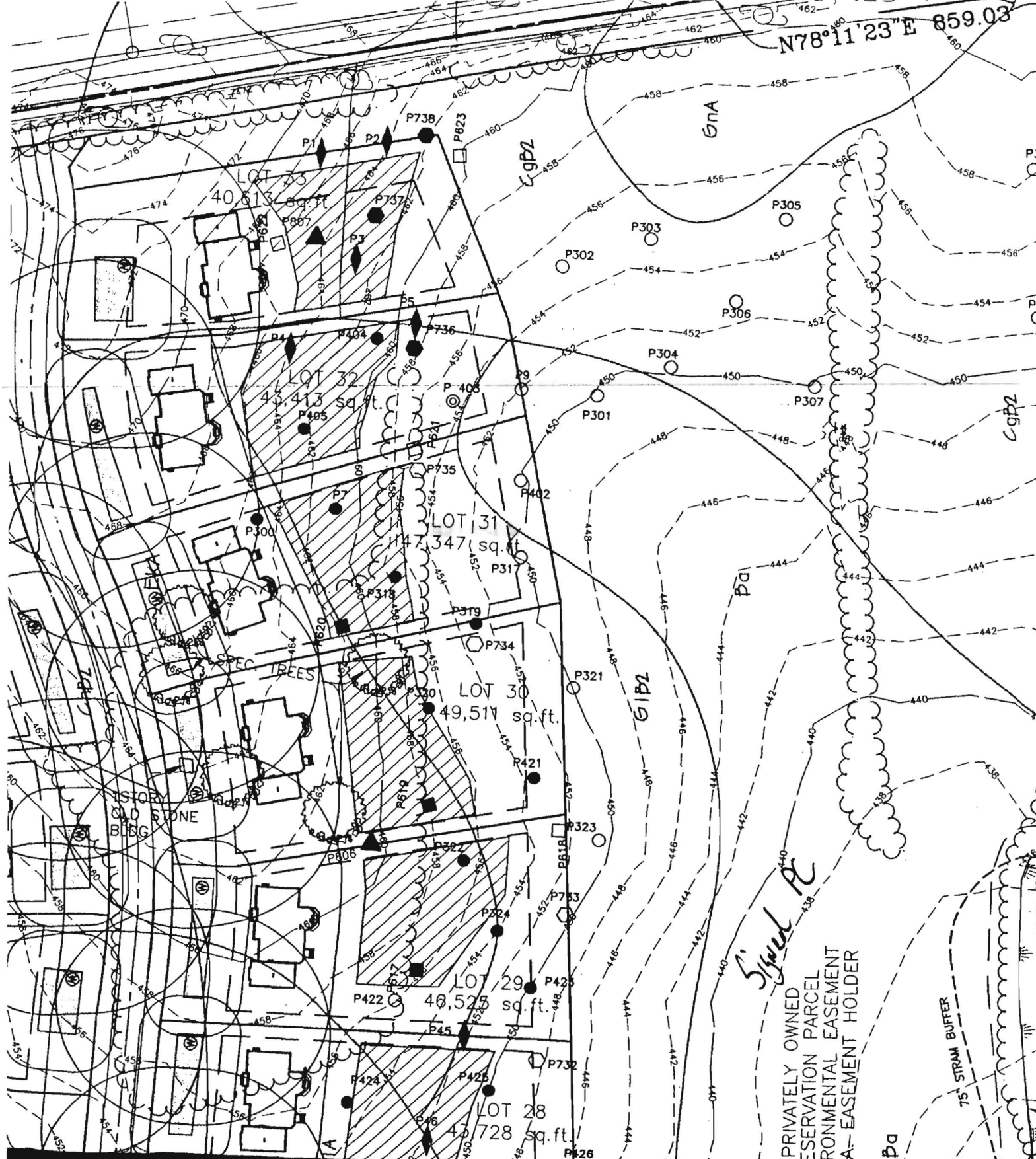
TESTED BY: Brian Baker ALSO PRESENT: KATIEZDS - Denny

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ FT BEDROOM \_\_\_\_\_



N78°11'23" E 859.03'

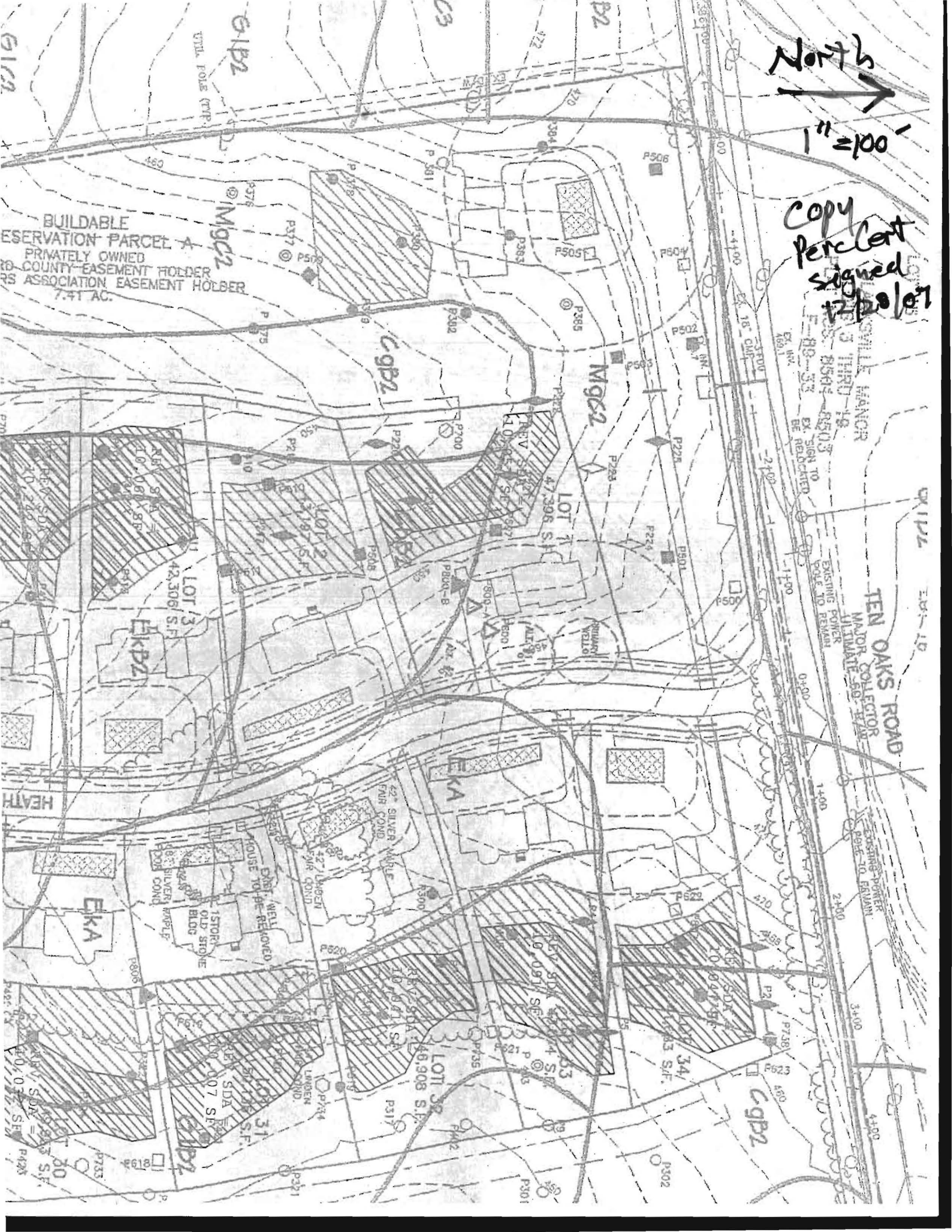


PRIVATELY OWNED  
RESERVATION PARCEL  
ENVIRONMENTAL EASEMENT  
P1A - EASEMENT HOLDER

Pa

North  
↑  
1" = 100'

Copy  
Per Cent  
signed  
12/20/07



BUILDABLE  
RESERVATION PARCEL A  
PRIVATELY OWNED  
TO COUNTY EASEMENT HOLDER  
ASSOCIATION EASEMENT HOLDER  
7.41 AC.

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TEN OAKS ROAD  
MAJOR COLLECTOR  
ULTIMATE 50' E/W  
EXISTING POWER  
POLE TO REMAIN

EXISTING POWER  
POLE TO REMAIN

EXISTING POWER  
POLE TO REMAIN

*Since P-Plan*

CLARKVILLE MANOR  
LOTS 8 THRU 19  
PLAT NOS. 8501-8503  
P-89-33

LOT 19

G1B2

G1C2

GOLDEN HARVEST COL

TEN OAKS ROAD  
MAJOR COLLECTOR  
ULTIMATE 60' R/W

EXISTING POWER  
POLE TO REMAIN

EXISTING POWER  
POLE TO REMAIN

EXISTING POWER  
POLE TO BE RELOCATED

CMP  
EXISTING POWER  
POLE TO BE RELOCATED

ABILIZED  
ONSTRUCTION  
NTRANCE

ABLE  
PARCEL A  
EASEMENT HOLDER  
ON EASEMENT HOLDER

ChB2

EKA

CgB2

GnA

LOT 32

LOT 31

LOT 30

Ba

42" SILVER  
FAIR COND.

24" LINCOLN  
FAIR COND.

EXIST. WELL  
HOUSE TO BE REMOVED

1STORY  
OLD STONE  
BLDG

68" SILVER MAPLE  
POOR COND.

G1B2

LOT 29

EKA

LOT 28

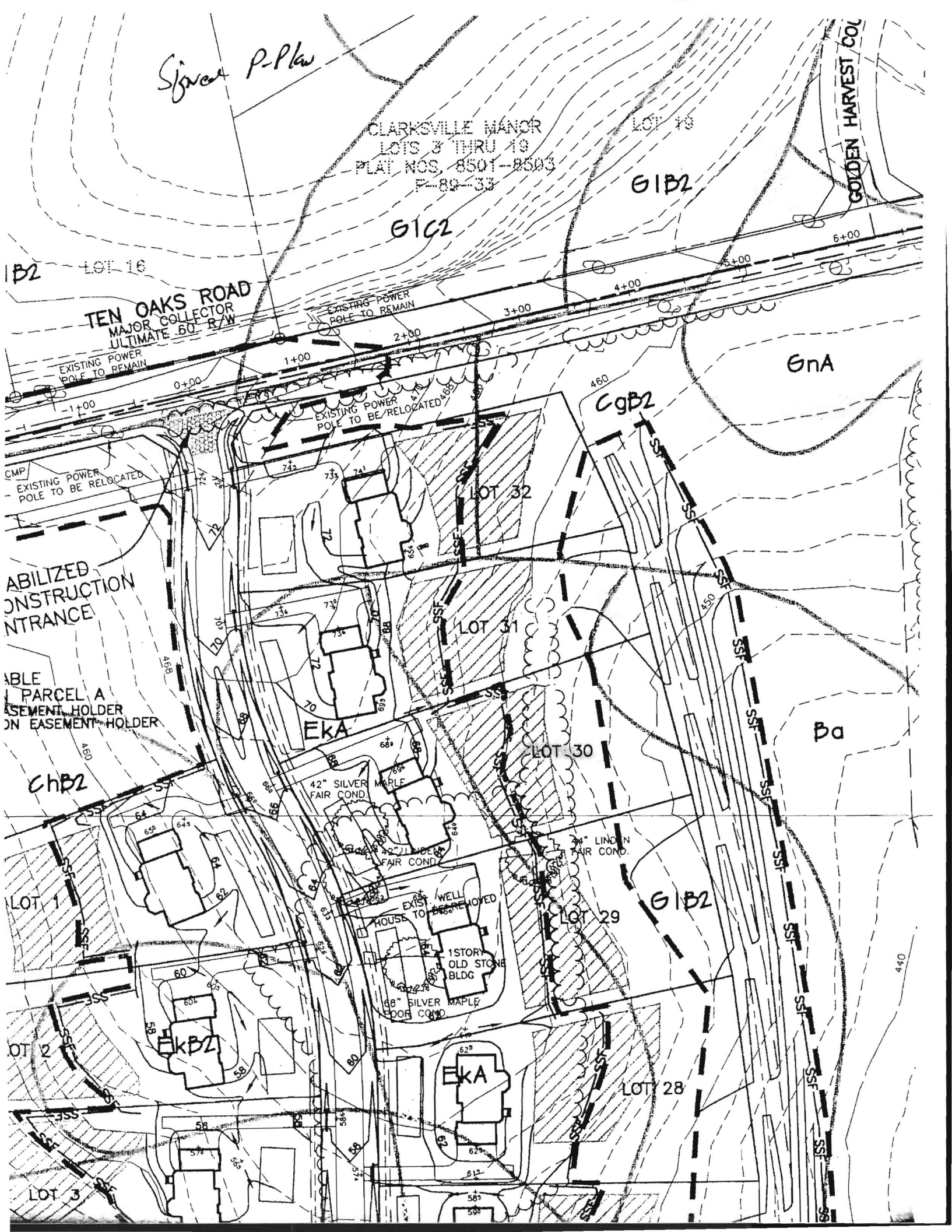
LOT 1

LOT 2

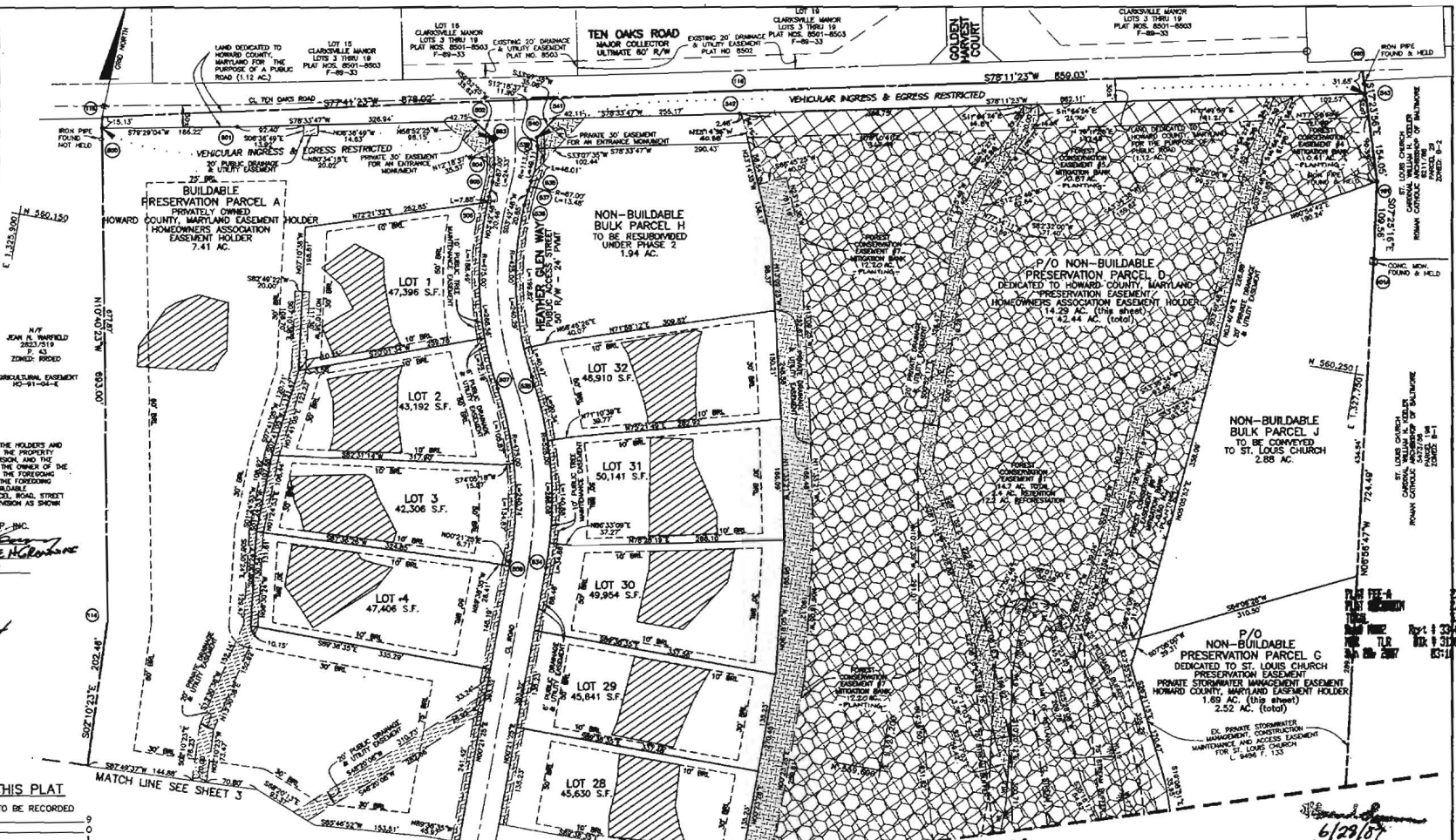
LOT 3

KBZ

440



LINE	BEARING	DISTANCE
WL7	N00°00'00"E	54.21'
WL8	N05°26'38"W	29.71'
WL9	N02°22'28"W	149.80'
WL10	N02°22'09"W	83.09'
WL11	N17°08'42"E	18.15'
WL12	N81°15'31"E	18.53'
WL13	S72°29'01"E	14.04'
WL14	S38°53'07"E	73.94'
WL15	S34°42'38"E	100.21'
WL16	S74°28'25"E	92.09'
WL17	S17°43'56"E	74.24'



**SECURED LIENHOLDERS' CONSENT**

SANDY SPRING BANK AND REGAL BANKCORP., INC. WHO ARE THE HOLDERS AND BENEFICIARIES OF MORTGAGE DEEDS OF TRUST CONCERNING THE PROPERTY SHOWN HEREON CONSENT TO THIS PLAN OF SUBDIVISION, THE FOREGOING SECURED LIENHOLDERS AND DAYTON OAKS, LLC, THE OWNER OF THE PROPERTY SHOWN HEREON, ACKNOWLEDGE AND AGREE THAT THE FOREGOING MORTGAGE DEEDS OF TRUST FOR THE BENEFIT OF EACH OF THE FOREGOING SECURED LIENHOLDERS ENCUMBER EACH AND EVERY LOT, BUILDABLE PRESERVATION PARCEL, NON-BUILDABLE PRESERVATION PARCEL, ROAD, STREET AND ALL OTHER PROPERTY COMPRISING THIS PLAN OF SUBDIVISION AS SHOWN HEREON.

SANDY SPRING BANK REGAL BANKCORP., INC.  
 BY: *[Signature]* TITLE: VP  
 BY: *[Signature]* TITLE: SVP

DAYTON OAKS, LLC A MARYLAND LIMITED LIABILITY COMPANY  
 BY: DALE THOMPSON BUILDERS, INC. A MARYLAND CORPORATION ITS SOLE MEMBER  
 BY: *[Signature]* President

**AREA TABULATION CHART - THIS PLAT**

TOTAL NUMBER OF LOTS AND/OR PARCELS TO BE RECORDED	9
BUILDABLE	0
OPEN SPACE	0
NON-BUILDABLE PRESERVATION PARCELS	1
NON-BUILDABLE PRESERVATION PARCELS	2
NON-BUILDABLE BULK PARCELS	2
TOTAL AREA OF LOTS AND/OR PARCELS TO BE RECORDED	9.81± AC.
OPEN SPACE	N/A
BUILDABLE PRESERVATION PARCELS	7.41± AC.
NON-BUILDABLE PRESERVATION PARCELS	15.98± AC.
NON-BUILDABLE BULK PARCELS	4.82± AC.
TOTAL AREA OF ROADWAY TO BE RECORDED (INCLUDING WIDENING STRIPS)	2.31± AC.
TOTAL AREA OF SUBDIVISION TO BE RECORDED	40.13± AC.

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.

*Donald Mason* 5/16/07  
 DONALD A. WASON  
 REGISTERED PROFESSIONAL LAND SURVEYOR  
 MARYLAND NO. 10978  
 DATE: 15 May 2007

**PLAN VIEW**  
 SCALE: 1" = 100'  
**MDR PLAT NO. 19215**  
 RECEIVED JUN 28 2007  
 FOR RECORD

- LEGEND**
- BLD INDICATES BUILDING RESTRICTION
  - FOREST CONSERVATION EASEMENT
  - NATURAL AREA CONSERVATION EASEMENT
  - EGRESS EASEMENT (SEE GENERAL NOTE 13 ON SHEET 1)
  - PUBLIC EASEMENTS
  - PRIVATE EASEMENTS

**BENCHMARK**  
**ENGINEERING, INC.**  
 8480 BALTIMORE NATIONAL PIKE A SUITE 418  
 ELICOTT CITY, MARYLAND 21043  
 phone: 410-485-8100 • Fax: 410-485-8644  
 www.benchmarkengineering.com

**CURVE DATA TABLE**

CURVE	BEHOLD	ARC	DELTA	TANGENT	CHORD	
504-506	87.00'	24.33'	180°21'12"	12.25'	504'17'55"	24.25'
506-507	475.00'	288.56'	32°23'41"	137.98'	512'29'03"	265.00'
507-508	475.00'	240.74'	29°02'19"	123.01'	514°09'44"	238.17'
534-535	526.00'	268.00'	29°02'19"	135.96'	514°09'44"	263.24'
536-538	425.00'	240.29'	32°23'41"	123.45'	512'29'03"	237.11'
537-538	87.00'	13.48'	08°52'46"	6.76'	N08°09'11"E	13.47'
538-539	113.00'	49.11'	24°54'11"	24.95'	N00°08'29"E	48.73'

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWER SYSTEMS.  
 HOWARD COUNTY HEALTH DEPARTMENT

*Barbara J. Palmer* 6/15/2007  
 HOWARD COUNTY HEALTH OFFICER *gac* DATE: 16

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

*[Signature]* 5/24/07  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE: 16

*[Signature]* 6/28/07  
 DIRECTOR DATE: 16

**SURVEYOR'S CERTIFICATE**

I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF THAT THE INFORMATION SHOWN HEREON IS CORRECT, THAT IT IS ALL OF LAND ACQUIRED BY DAYTON OAKS, LLC FROM BARBARA J. PALMER AND DONNA P. CLELAND BY DEED DATED MARCH 9, 2007 AND RECORDED IN LIBER 10571 AT FOLIO 375 AND THAT ALL MONUMENTS ARE IN PLACE OR WILL BE IN PLACE PRIOR TO ACCEPTANCE OF THE ROADWAY BY HOWARD COUNTY, IN ACCORDANCE WITH THE ANNOTATED CODE OF MARYLAND, AS AMENDED.

*Donald Mason* 5/16/07  
 DONALD A. WASON  
 REGISTERED PROFESSIONAL LAND SURVEYOR  
 MARYLAND NO. 21320  
 DATE: 15 May 2007

**OWNER'S CERTIFICATE**

DAYTON OAKS, LLC, OWNER OF THE PROPERTY SHOWN HEREON, HEREBY ADOPTS THIS PLAN OF SUBDIVISION AND IN CONSIDERATION OF APPROVAL OF THIS FINAL PLAT BY THE DEPARTMENT OF PLANNING AND ZONING, ESTABLISHES THE MINIMUM BUILDING RESTRICTION LINES AND GRANT LINTO HOWARD COUNTY, MARYLAND, ITS SUCCESSORS AND ASSIGNS: (1) THE RIGHT TO LAY, CONSTRUCT AND MAINTAIN SEWERS, DRAINS, WATER PIPES, AND OTHER MUNICIPAL UTILITIES AND SERVICES, IN AND UNDER ALL ROADS AND STREET RIGHTS-OF-WAY, AND THE SPECIFIC EASEMENT AREAS SHOWN HEREON; (2) THE RIGHT TO REQUIRE DEDICATION FOR PUBLIC USE, THE BEDS OF THE STREETS AND/OR ROADWAYS, FLOODPLAIN AND OPEN SPACE WHERE APPLICABLE, AND FOR GOOD AND OTHER VALUABLE CONSIDERATION, HEREBY GRANTS THE RIGHT AND OPTION TO ACQUIRE THE FEZ SIMPLE TITLE TO THE BEDS OF THE STREETS AND/OR ROADWAYS AND FLOODPLAINS, STORM DRAINAGE FACILITIES AND OPEN SPACE WHERE APPLICABLE; (3) THE RIGHT TO REQUIRE DEDICATION OF WATERWAYS AND DRAINAGE EASEMENTS FOR THE SPECIFIC PURPOSE OF THEIR CONSTRUCTION, REPAIR AND MAINTENANCE; AND (4) THAT NO BUILDING OR SIMILAR STRUCTURE OF ANY KIND SHALL BE ERRECTED ON OR OVER THE SAID EASEMENTS AND RIGHTS-OF-WAY, WITNESS OUR HANDS THIS 15th DAY OF MAY, 2007.

*[Signature]* 15 May 2007  
 DALE THOMPSON DATE: 16

*[Signature]* 5/16/07  
 WITNESS DATE: 16

RECORDED AS PLAT NO. \_\_\_\_\_  
 ON \_\_\_\_\_ AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND.

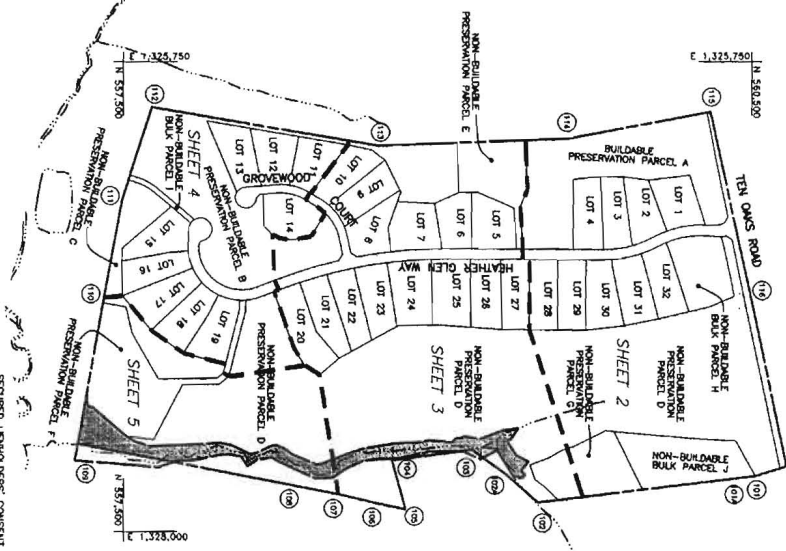
**THE PRESERVE AT CLARKSVILLE**  
 LOTS 1-32  
 BUILDABLE PRESERVATION PARCEL 'A'  
 NON-BUILDABLE PRESERVATION PARCELS 'B'-'G'  
 NON-BUILDABLE BULK PARCELS 'H'-'J'

S-02-011 P-05-013 RE-06-05  
 FIFTH ELECTRON DISTRICT OF HOWARD COUNTY, MARYLAND  
 TAX MAP: 34 SCALE: AS SHOWN  
 ORD: 11, 12, 17 & 18 DATE: MAY, 2007  
 PARCEL: 77 ZONED: RR-DEO SHEET: 2 OF 3

**GENERAL NOTES**

1. THE PROJECT IS A 3.7 ACRE CONCRETE PAVEMENT TO BE SET ON EXISTING 12" CONCRETE SLAB ON GRADE.
2. THE PROJECT IS A 3.7 ACRE CONCRETE PAVEMENT TO BE SET ON EXISTING 12" CONCRETE SLAB ON GRADE.
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26. THE PROJECT IS A 3.7 ACRE CONCRETE PAVEMENT TO BE SET ON EXISTING 12" CONCRETE SLAB ON GRADE.

MDR PLAT NO. 19214  
RECEIVED JUN 28 2007  
FOR RECORD



PLAN VIEW  
SCALE 1" = 400'

**SEALING LABORERS' CONSENT**

I, the undersigned, being a duly licensed Professional Engineer in the State of Maryland, do hereby certify that the above described project complies with the provisions of the Subdivision Control Act, Article 21, of the Annotated Code of Maryland, and the Regulations thereunder, and that the same is in accordance with the provisions of the Subdivision Control Act, Article 21, of the Annotated Code of Maryland, and the Regulations thereunder, and that the same is in accordance with the provisions of the Subdivision Control Act, Article 21, of the Annotated Code of Maryland, and the Regulations thereunder.

DATE: 6/28/07

**OWNER'S CERTIFICATE**

I, the undersigned, being the owner of the above described property, do hereby certify that the above described project complies with the provisions of the Subdivision Control Act, Article 21, of the Annotated Code of Maryland, and the Regulations thereunder, and that the same is in accordance with the provisions of the Subdivision Control Act, Article 21, of the Annotated Code of Maryland, and the Regulations thereunder.

DATE: 6/28/07

**CHIEF ENGINEER'S CERTIFICATE**

I, the undersigned, being a duly licensed Professional Engineer in the State of Maryland, do hereby certify that the above described project complies with the provisions of the Subdivision Control Act, Article 21, of the Annotated Code of Maryland, and the Regulations thereunder, and that the same is in accordance with the provisions of the Subdivision Control Act, Article 21, of the Annotated Code of Maryland, and the Regulations thereunder.

DATE: 6/28/07

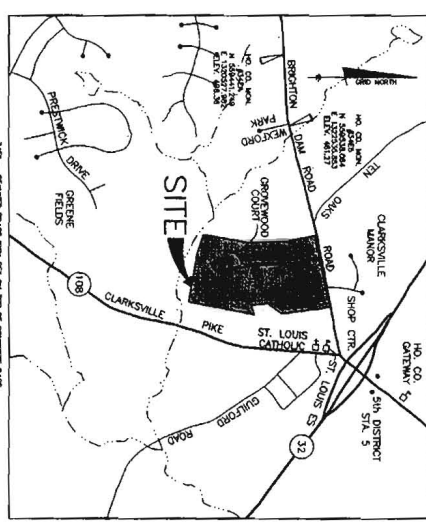
**THE PRESERVE AT CLARKSVILLE**

RECORDED AS PLAT NO. 19214  
AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND.

DATE: MAY, 2007

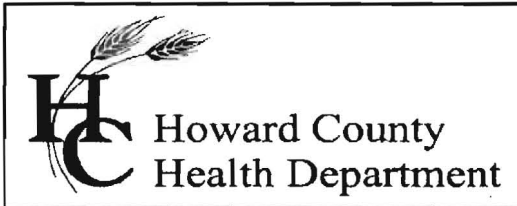
**COORDINATE CHART (NAD 83)**

BLK	LOT	N	E	S	W
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**DENSITY EXCHANGE CHART**

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123	123.0000	123.0000	123.0000
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126	126.0000		



**Bureau of Environmental Health**  
7178 Columbia Gateway Drive, Columbia, MD 21046-2147  
Main: 410-313-6300 | Fax: 410-313-6303  
TDD 410-313-2323 | Toll Free 1-866-313-6300  
[www.hchealth.org](http://www.hchealth.org)  
Facebook: [www.facebook.com/hocohealth](http://www.facebook.com/hocohealth)  
Twitter: HowardCoHealthDep

**Maura J. Rossman, M.D., Health Officer**

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May 30, 2013

To: Amy Ferrer, Compass Homes LLC, applicant  
[Amy.compasshomes@gmail.com](mailto:Amy.compasshomes@gmail.com)

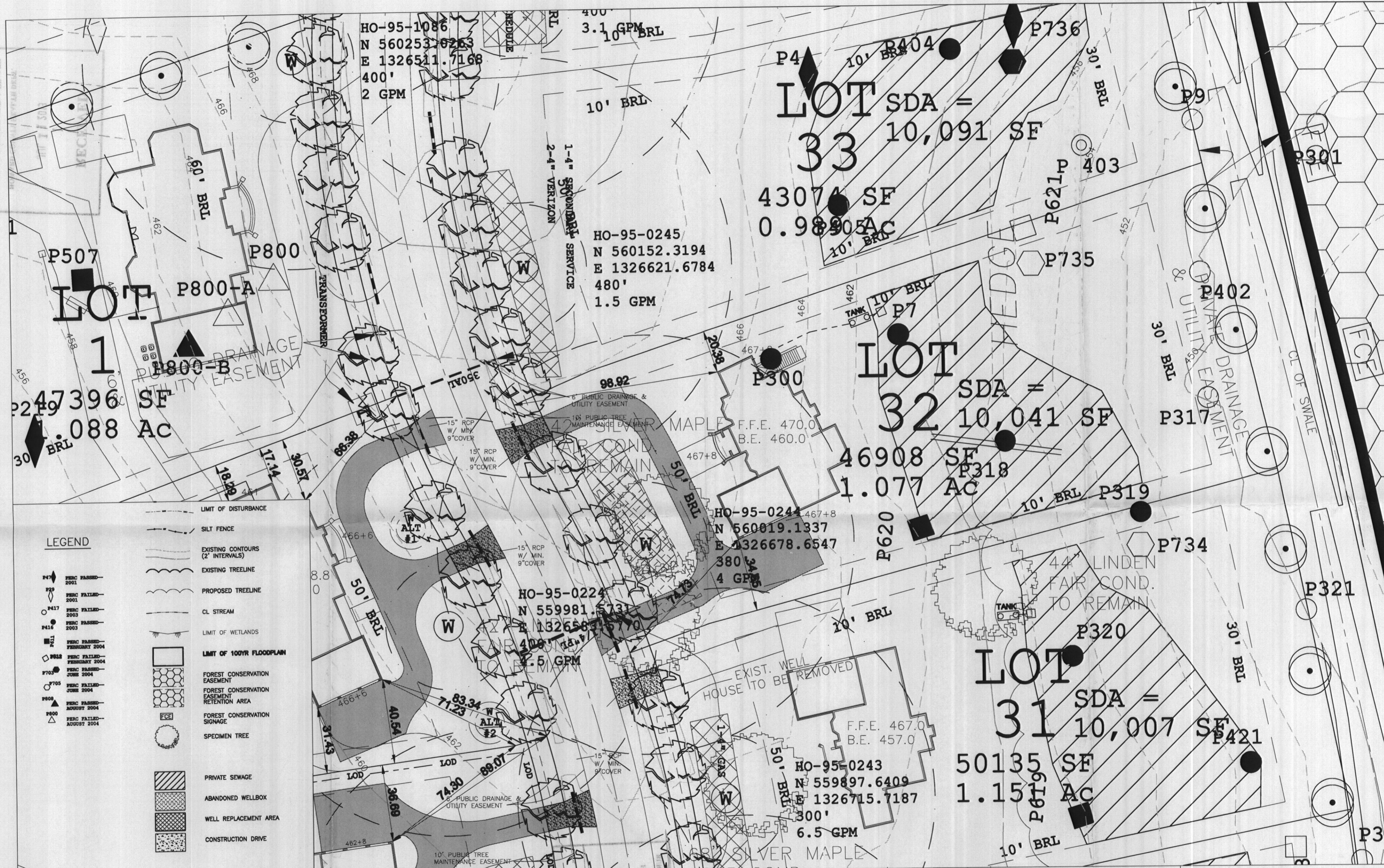
From: Robert Bricker, REHS/R.S.  
Environmental Health Specialist  
Well and Septic Program

RE: 6211 Heather Glen Way, Percolation Certification Plan revision required

The building permit application B13001799 is 'On Hold' for Percolation Certification Plan revision. The Plot Plan depicts a modification of the well area. The Approving Authority must review and approve changes to either the well area configuration or the sewerage disposal area configuration.

Include all required notes and submit 3 copies of the revised Percolation Certification Plan to the Health Department for review and signature.

RB  
Copy: file



**LEGEND**

- PERC PASSED - 2001
- PERC FAILED - 2001
- PERC PASSED - 2002
- PERC FAILED - 2002
- PERC PASSED - 2003
- PERC FAILED - 2003
- PERC PASSED - FEBRUARY 2004
- PERC FAILED - FEBRUARY 2004
- PERC PASSED - JUNE 2004
- PERC FAILED - JUNE 2004
- PERC PASSED - AUGUST 2004
- PERC FAILED - AUGUST 2004
- LIMIT OF DISTURBANCE
- SILT FENCE
- EXISTING CONTOURS (2' INTERVALS)
- EXISTING TREELINE
- PROPOSED TREELINE
- CL STREAM
- LIMIT OF WETLANDS
- LIMIT OF 100YR FLOODPLAIN
- FOREST CONSERVATION EASEMENT
- FOREST CONSERVATION EASEMENT RETENTION AREA
- FOREST CONSERVATION SIGNAGE
- SPECIMEN TREE
- PRIVATE SEWAGE
- ABANDONED WELLBOX
- WELL REPLACEMENT AREA
- CONSTRUCTION DRIVE

**GENERAL NOTES:**

1. THIS AREA DESIGNATES A PRIVATE SEWAGE ARE OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE AREAS 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 SEWAGE AREA. RECORDATION OF MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.
2. THIS AREA IDENTIFIES WELL REPLACEMENT AREA EASEMENT.
3. THIS AREA IDENTIFIES WELL REPLACEMENT AREA EASEMENT.
4. TOPOGRAPHY SHOWN IS TWO-FOOT CONTOUR INTERVALS AND HAS BEEN FIELD VERIFIED OR FIELD RUN.
5. ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
6. EXISTING WELLS, SEPTIC SYSTEMS, AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND THOSE WITHIN 200' DOWNGRADEMENT OF EXISTING OR PROPOSED SEPTIC OR SEWAGE DISPOSAL AREAS HAVE BEEN SHOWN USING ALL REASONABLE EFFORTS.
7. THE LOT SHOWN HERON WAS RECORDED ON THE PLAT # 19214 ET. SEQ. REFER TO PLAT FOR LOT DIMENSIONS, LOT AREAS, ALL EASEMENTS, ANY RESTRICTIONS, AND PROVISIONS.
8. THE EXISTING WELLS SHOWN ON THIS PLAN HAVE BEEN FIELD LOCATED BY A PROFESSIONAL LAND SURVEYOR AND ARE ACCURATELY SHOWN.
9. TESTING AND RESULTS FOR GROSS ALPHA, GROSS BETA AND VOCs WILL BE REQUIRED PRIOR TO USE AND OCCUPANCY.

**SITE SPECIFIC NOTES**

1. B13001799 Plot Plan Lot # 32
2. ALL DRIVEWAY CULVERTS ARE TO BE 15" RCP OR HDPE WITH MINIMUM 9" COVER
3. ANY WELL DRILLED WITHIN 10' OF DRIVEWAY TO BE PROTECTED WITH TWO BOLLARDS.
4. PAVING SPECIFICATIONS: 2" ASPHALT OVER 4" CR-6 OR 2.5" ASPHALT OVER 1.5" ASPHALT

**PROPOSED ELEVATIONS:**

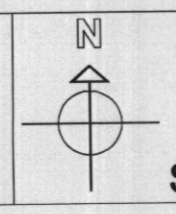
TOP OF BASEMENT SLAB:	460.2	GRADE AT HOUSE INVERT:	467.0
TOP OF FOUNDATION WALL:	468.8	GRADE AT SEPTIC TANK:	462.0
TOP OF FIRST SUBFLOOR:	470.0	GRADE AT DISTRIBUTION BOX:	461.4
		GRADE AT TRENCHES:	461.4
INVERT OUT OF HOUSE:	485.0		
INVERT INTO TANK:	480.0		
INVERT OUT OF TANK:	459.5		
INVERT INTO DISTRIBUTION BOX:	459.3		

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN CONFORMANCE WITH THE MASTER PLAN OF HOWARD COUNTY.

I certify that the information shown heron is based on field work performed under my direct supervision and is correct, to the best of my knowledge and belief.

**SEPTIC DESIGN PARAMETERS:**  
 1st Floor Sq. Fl. 2363 sq.ft.  
 2nd Floor Sq. Fl. 2098 sq.ft.  
 Basement Sq. Fl. 2363 sq.ft.  
 Number of Bedrooms 4

**TAGGED WELL DATA**  
 TAG NUMBER: HO-95-0244  
 NORTHING: 560019.1337  
 EASTING: 1326678.6547  
 WELL YIELD: 4 GPM  
 WELL DEPTH: 380'



**OWNER:** Ma  
**BUILDER:** Compass Homes  
 6206 Heather Glen Way  
 Clarksville, MD 21029  
**SCALE:** 1:30  
**DATE:** 7/3/13

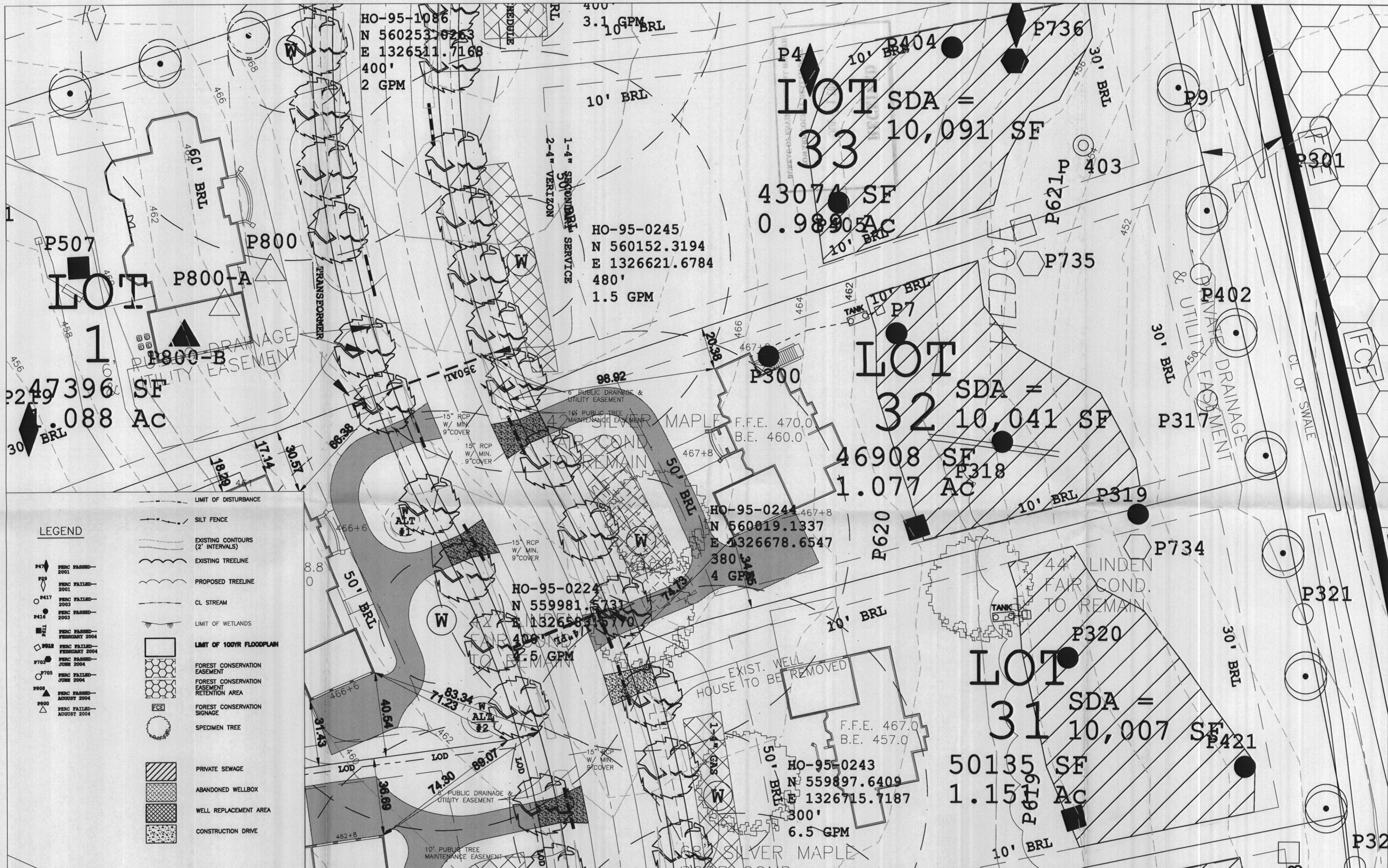
**PROJECT NAME:**  
 Ma Residence  
 PC-32  
 PRESERVE @ CLARKSVILLE  
 CLARKSVILLE  
 HOWARD COUNTY  
 MARYLAND

**TITLE:**  
 REVISED PERCOLATION  
 CERTIFICATION PLAN REVISION  
 LOT #32  
 8211 Heather Glen Way  
 Clarksville, Maryland 21029

**PURPOSE:**  
 CONSTRUCTION OF NEW SINGLE  
 FAMILY DETACHED DWELLING  
 AND WELL BOX RE-CERTIFICATION

Maura J. Rossmann, M.D., Health Officer  
 7/29/13  
 DATE

Date Thompson  
 11 July 2013  
 DATE



**LEGEND**

- P417 PERC PASSED - 2001
  - P20 PERC FAILED - 2001
  - P417 PERC PASSED - 2003
  - P416 PERC PASSED - 2003
  - P415 PERC PASSED - FEBRUARY 2004
  - P818 PERC FAILED - FEBRUARY 2004
  - P703 PERC PASSED - JUNE 2004
  - P705 PERC FAILED - JUNE 2004
  - P808 PERC PASSED - AUGUST 2004
  - P900 PERC FAILED - AUGUST 2004
- LIMIT OF DISTURBANCE
  - SILT FENCE
  - EXISTING CONTOURS (2' INTERVALS)
  - EXISTING TREELINE
  - PROPOSED TREELINE
  - CL. STREAM
  - LIMIT OF WETLANDS
  - LIMIT OF 100YR FLOODPLAIN
  - FOREST CONSERVATION EASEMENT
  - FOREST CONSERVATION EASEMENT RETENTION AREA
  - FOREST CONSERVATION SIGNAGE
  - SPECIMEN TREE
  - PRIVATE SEWAGE
  - ABANDONED WELLBOX
  - WELL REPLACEMENT AREA
  - CONSTRUCTION DRIVE

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- THE LOT SHOWN HERON WAS RECORDED ON THE PLAT # 18214 ET. REC. REFER TO PLAT FOR LOT DIMENSIONS, LOT AREAS, ALL EASEMENTS, ANY RESTRICTIONS, AND PROVISIONS.
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- TESTING AND RESULTS FOR GROSS ALPHA, GROSS BETA AND VOC'S WILL BE REQUIRED PRIOR TO USE AND OCCUPANCY.

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- PAVING SPECIFICATIONS: 2" ASPHALT OVER 4" CR-6 OR 2.5" ASPHALT OVER 1.5" GRAYLAY

**PROPOSED ELEVATIONS:**

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TOP OF FOUNDATION WALL:	468.8	GRADE AT SEPTIC TANK:	462.0
TOP OF FIRST SUBFLOOR:	470.0	GRADE AT DISTRIBUTION BOX:	461.4
		GRADE AT TRENCHES:	461.4
INVERT OUT OF HOUSE:	465.0		
INVERT INTO TANK:	460.0		
INVERT OUT OF TANK:	459.5		
INVERT INTO DISTRIBUTION BOX:	459.3		

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I certify that the information shown hereon is based on field work performed under my direct supervision and is correct, to the best of my knowledge and belief.

**SEPTIC DESIGN PARAMETERS:**

1st Floor Sq. Ft.	2363 sq.ft.
2nd Floor Sq. Ft.	2098 sq.ft.
Basement Sq. Ft.	2363 sq.ft.
Number of Bedrooms	4

**TAGGED WELL DATA**

TAG NUMBER:	HO-95-0244
NORTHING:	580019.1337
EASTING:	1326678.6547
WELL YIELD:	4 GPM
WELL DEPTH:	380'



**OWNER:** Ma  
**BUILDER:** Compass Homes  
6206 Heather Glen Way  
Clarksville, MD 21029  
**SCALE:** 1:30  
**DATE:** 7/3/13

**PROJECT NAME:** Ma Residence  
PC-32  
PRESERVE @ CLARKSVILLE  
CLARKSVILLE  
HOWARD COUNTY  
MARYLAND

**TITLE:** REVISED PERCOLATION  
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LOT #32  
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**PURPOSE:** CONSTRUCTION OF NEW SINGLE  
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*Maura J. Rossman*  
Maura J. Rossman, M.D., Health Officer  
DATE: 7/29/13

*Cal Thompson*  
Date Thompson  
DATE: 11 July 2013