

APPLICATION

PERCOLATION TESTING

A 516063

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2840

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 DRNE
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. 12

ROAD AND DESCRIPTION TEN OAKS ROAD
CLARKSVILLE

TAX MAP 31 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.

[Signature] D.R. HORTON, INC
VICE PRES.
(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'
 2.5'
 6'
 16'

(47)
 Red Br
 Cl Loam
 Red Or Br
 Si Cl Loam
 Light Br
 and Tan
 Si Loam
 ~10%
 Rock

21'
 3.5'
 15'

(46)
 Red Br
 Cl Loam
 or Br Si
 Cl Loam
 Med Br
 Sa Loam
 ~10%
 Rock

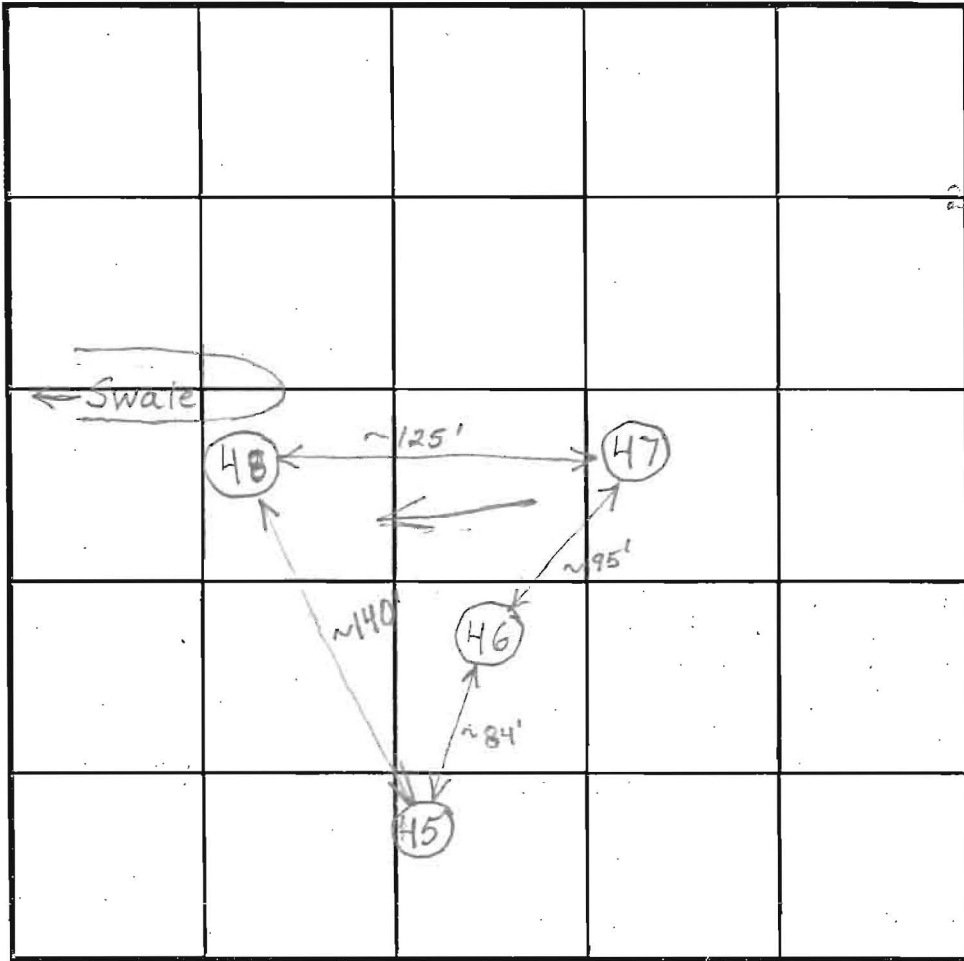
3'
 4'
 14.5'
 15'

(45)
 Red Br Cl
 Loam
 Dr Br Si
 Cl Loam
 Med Br
 and Light
 Br Si Loam
 10-15%
 Rock
 Caving
 Water

SOIL PROFILE

0'
 2.5'
 3'
 12.5'
 14'

(48)
 Red Br
 Cl Loam
 or Br Si
 Cl Loam
 Light Or
 Br Sa.
 Loam
 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	12:28:30	12:28:30	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	12:55:30	12:55:30	12:56:45	1 1/4 WS
		Repair	12:58	12:59:45	12:59:45	12:02:10	~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: _____

TESTED BY: Brian Baker ALSO PRESENT: HATFIELD'S - Danny

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

COUNTY #

SOIL PROFILE

(733)

Red Br Cl
Loam and
Si Cl Loam

3.5'-4.5'

Tan Sa
Loam
Trace
Rock

5'

Caving
Water

8.5'

(734)

Red Br Cl
Loam and
Loam

3.5'-4'

Tan Sa Loam
Turning
Darker With
Depth, Trace
Rock

6'

Caving
Water

9'

(732)

Red Br Cl Loam

3'-4'

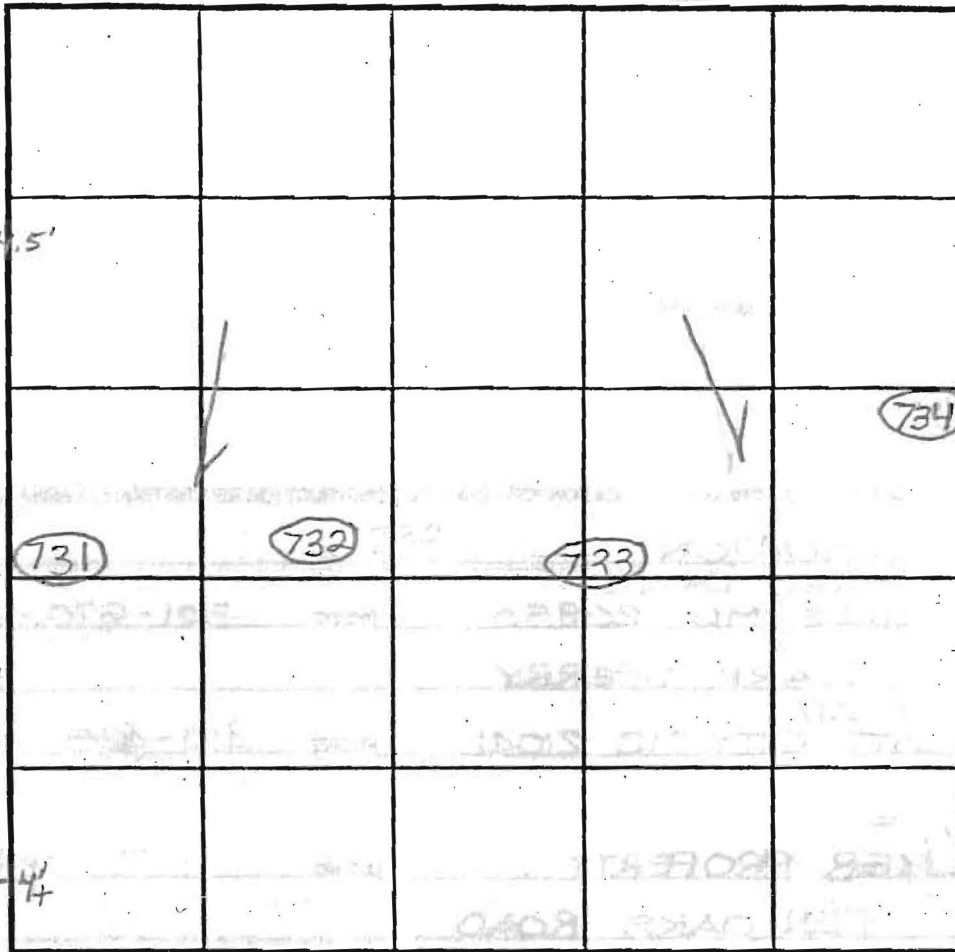
Beige and
Olive Cobred
Sa Loam
Moist and
Mottled
Below 5'

Trace
Rock

7'

Caving
Water

11'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

(731)

Red Br
Loam

2'-3'

Dense Red
Br Sa Loam
~20% Rock

3.5'-4.5'

Beige
Sa Loam
Trace
Rock

6'

Caving

Water

9.5'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
6/3/2004	733	4' / 8.5' V	10:35	10:37:45	10:37:45	10:42	4 1/2	(F)
	734	4.5' / 9' V	2:59	3:03	3:03	3:08:30	5 1/2	(F)
	732	4' / 11' V	3:12:30	3:14:45	3:14:45	3:17:45	3	(F)
	731	4' 3" / 9.5' V	3:28:30	3:32	3:32	3:37:30	5 1/2	(F)

REMARKS Hole 734 is Sandy Below 4.5'

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

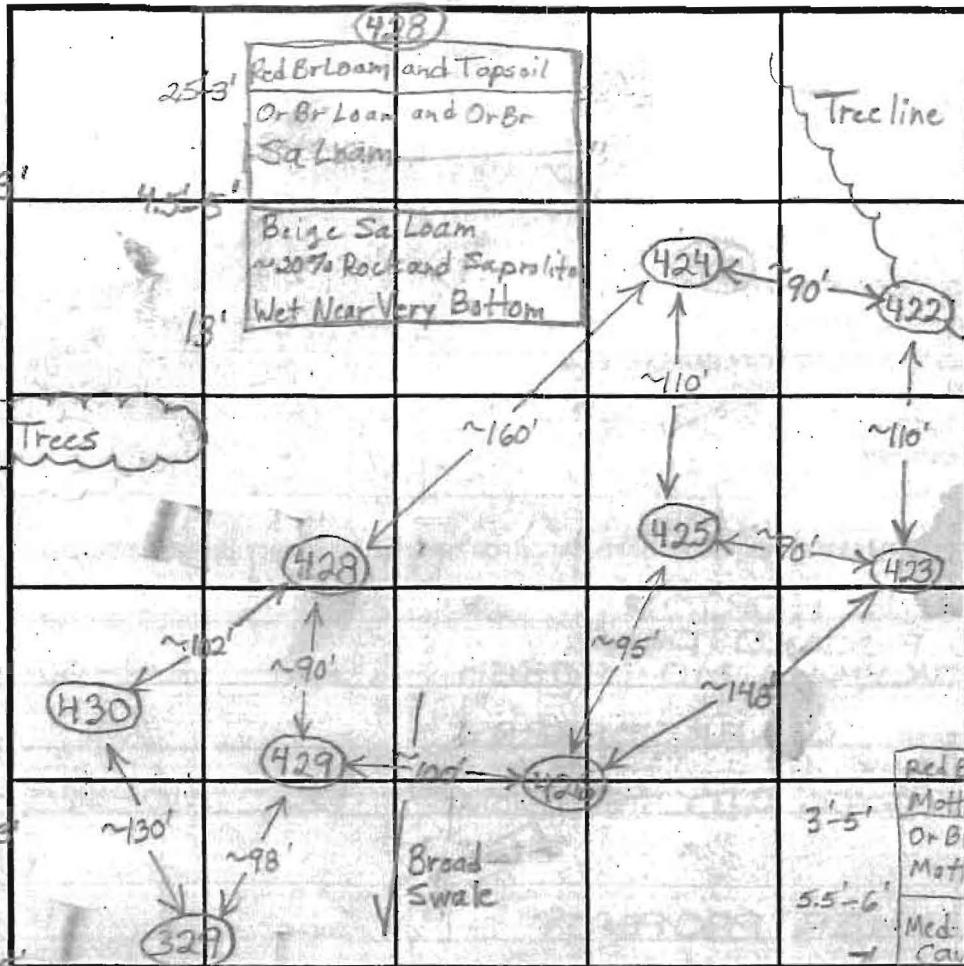
COUNTY #

SOIL PROFILE

0' (424)
 Red Br Heavy
 25'-3'
 Red Br and Or Br Heavy Loam and Loam 5'
 Or Br Loam and Or Br Sa Loam 15-20% Rock and Saprolite 7'
 Or Br Sa Loam, ~20% Rock and Saprolite 13.5'

(425)
 Red Br Loam 25'-3'
 Red Br Loam, Or Br Loam and Or Br Sa Loam ~20% Rock 6'-6.5'
 Or Br Sa Loam ~20% Rock and Saprolite 11.5'
 Gray Mottling Below 10.5'
 Caving Water 12'

(426)
 Or Br Loam and Topsoil 0.5'-2.5'
 Red Br Si Loam and Or Br Sa Loam 4.5'-5.5'
 Or Br Sa Loam ~20% Rock and Saprolite 9'
 Gray Mottling Below 8'
 Wet-Caving Water 10.5'



SOIL PROFILE

0' (429)
 Red Br Loam and Topsoil 2.5'
 Or Br and Br Wet Sa Loam Caving Below 4'
 Gray Mottling Throughout Very Little Rock Water 10'

(329)
 Red Br and Or Br Gray Mottled Heavy Loam 3'-5'
 Or Br Loam with Gray Mottling, Very Little Rock 5.5'-6'
 Med Br Mottled Sa Loam Caving In Very Little Rock Water Wet 8'

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 _____

COUNTY #

SOIL PROFILE

(424)

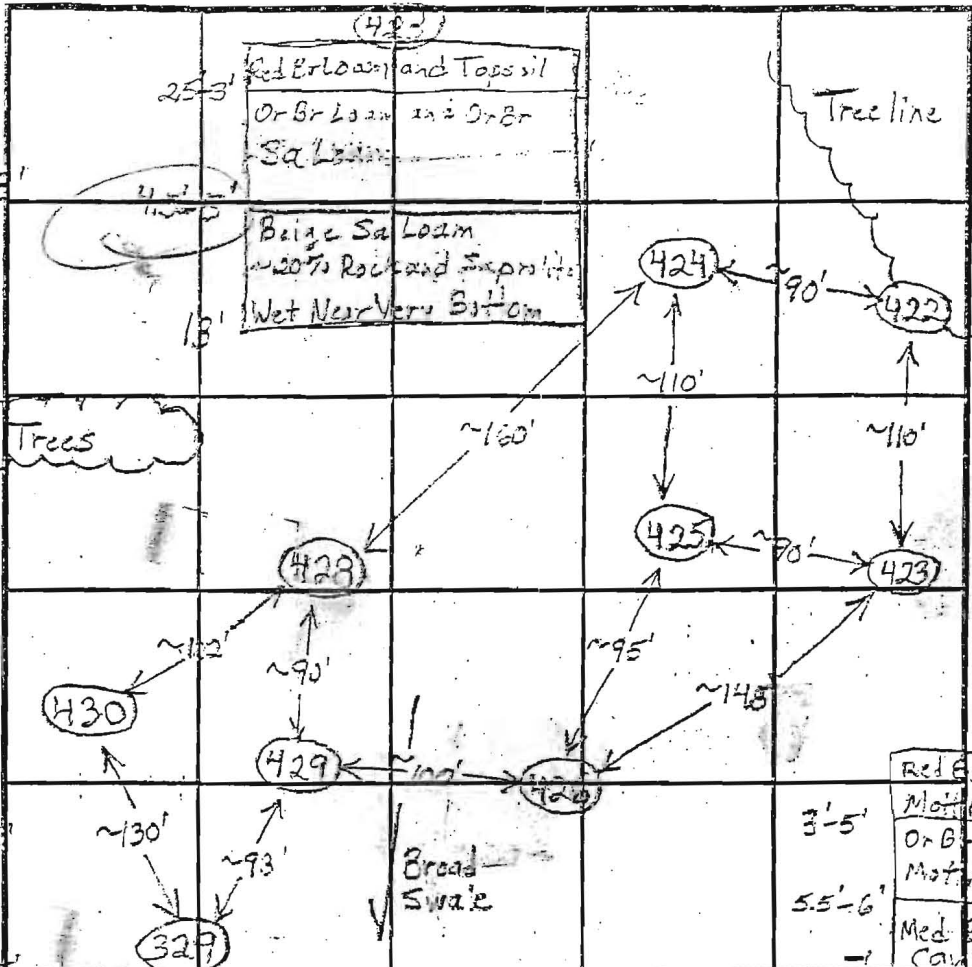
Red Br Heavy
 2.5'-3'
 Red Br and Or Br Heavy Loam and Loam
 5'
 Or Br Loam and Or Br Sa Loam
 15-20% Rock and Saprolite
 7'
 Or Br Sa Loam, ~20% Rock and Saprolite
 13.5'

(425)

Red Br Loam
 2.5'-3'
 Red Br Loam, Or Br Loam and Or Br Sa Loam
 ~10% Rock
 6'-6.5'
 Or Br Sa Loam
 ~20% Rock and Saprolite
 11.5'
 Gray Mottling Below 10.5'
 12'
 Caving Water

(426)

Or Br Loam and Topsoil
 2.5'-3.5'
 Red Br Sil Loam and Or Br Sa Loam
 4.5'-5.5'
 Or Br Sa Loam
 ~20% Rock and Saprolite
 9'
 Gray Mottling Below 8'
 9'
 Wet-Caving



SOIL PROFILE

(429)

Red Br and Topsoil
 2.5'
 Or Br and Br
 Wet Sa Loam
 Caving Below 4'
 Gray Mottling Throughout
 Very Little Rock
 Water
 10'

(329)
 Red Br and Or Br Gray Mottled Heavy Loam
 3'-5'
 Or Br Loam with Gray Mottling, Very Little Rock
 5.5'-6'
 Med Br Mottled Sa Loam
 Caving In. Very Little Rock
 Water Wet

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

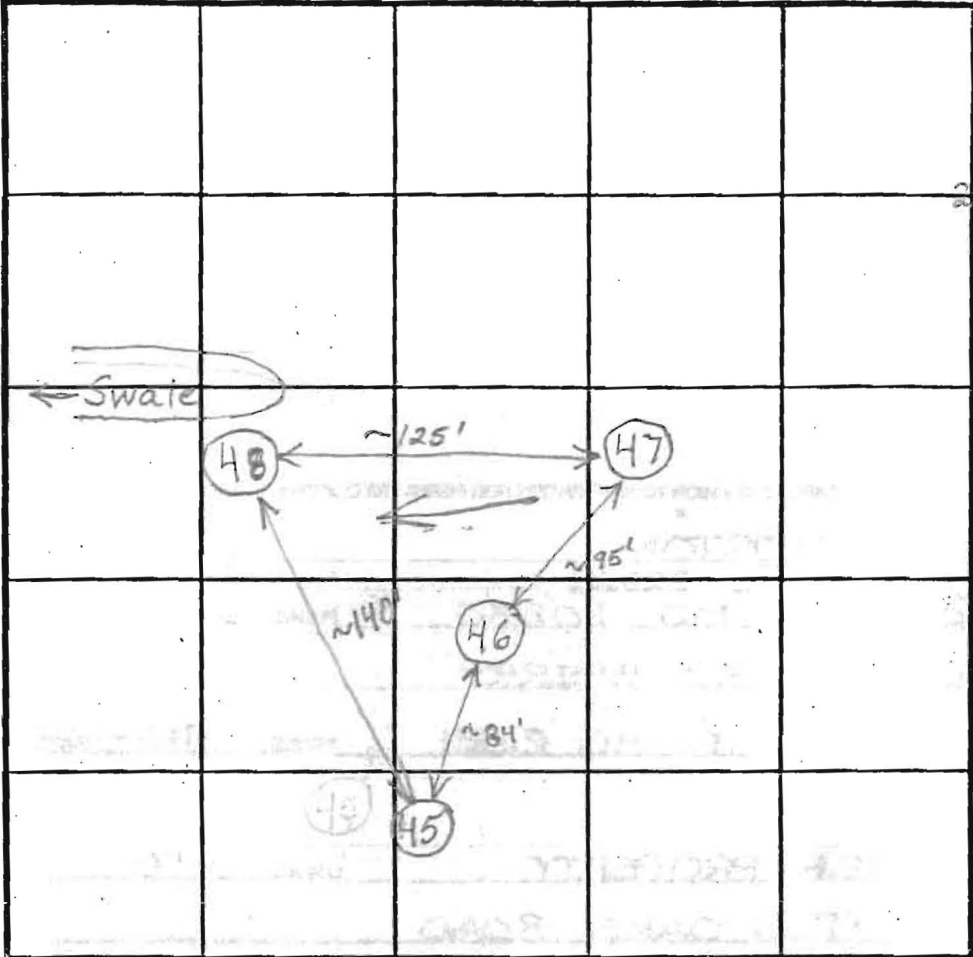
DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
4/18/03	424	6' / 13.5'	10:08:30	10:16:30	10:16:30	10:30	13 1/2	O.K.
		7.5'	10:08:35	10:12:40	10:12:40	10:18:40	6	
	425	4' / 12' V	10:25:30	10:34:30	10:34:30	10:45:30	11	O.K.
		7.5'	10:25:45	10:29:30	10:29:30	10:34:30	5	
	426	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 1/2"	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 _____

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'



SOIL PROFILE

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

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

len Oaks Road

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

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	12:55:30	12:55:30	12:56:45	1 1/4	WS
		Repour	12:58	12:59:45	12:59:45	12:02:10	~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

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

REMARKS: Holes dug per plan
 TYPE OF SOIL:
 TESTED BY: Brian Baker ALSO PRESENT: HATFIELD, Denny
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____
 INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

COUNTY #

SOIL PROFILE

(430)

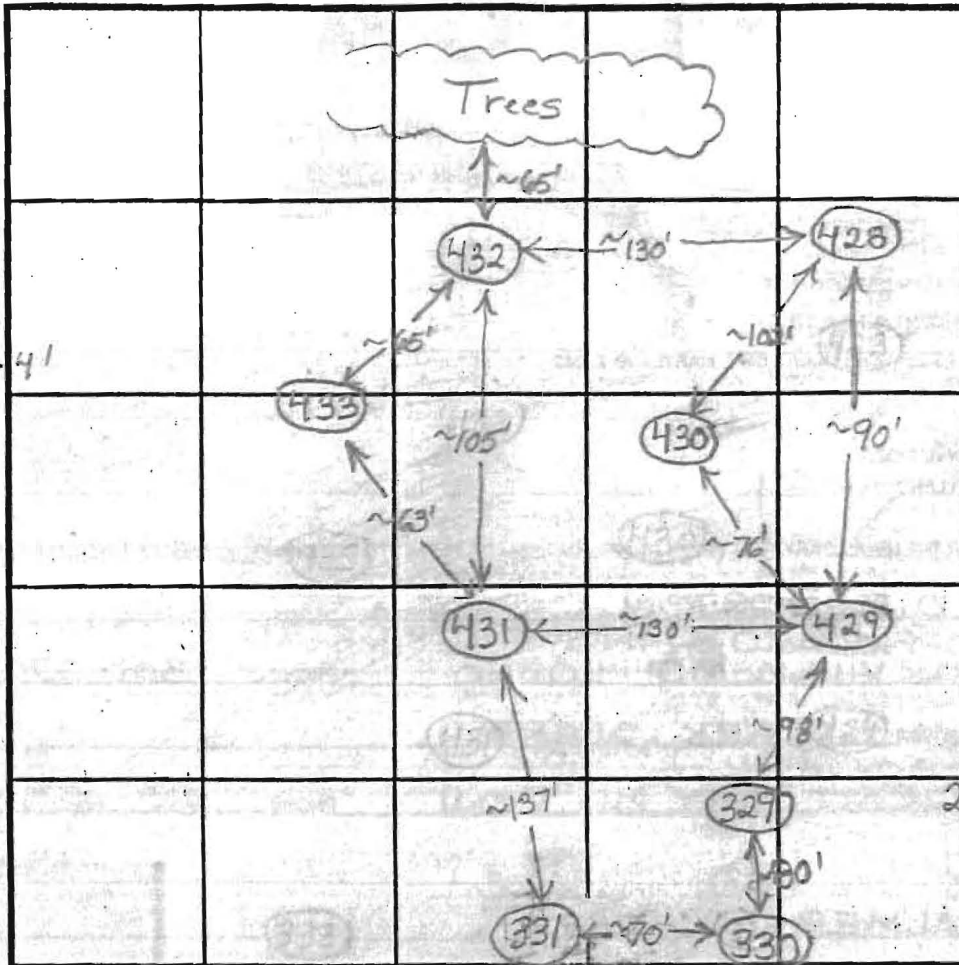
Red and Or Br
Loam and
Topsoil 2'-3'
Or Br Loam
and Or Br
Sa Loam 3.5'-4'
Beige Sa
Loam
~15% Rock
and
Saprolite
Wet Near
Bottom 13'

(432)

Or Br Loam
and topsoil 2.5'
Or Br Loam
and Or Br
Sa Loam 4.5'-5'
Or Br
Sa Loam
~20% Rock
and
Saprolite
Hard
Bottom 11'

(433)

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 13.5'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

(431)

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 Concretions
Turner Gray
with Depth
Caving at 5.5'
Very Little
Rock
Water 11.5'

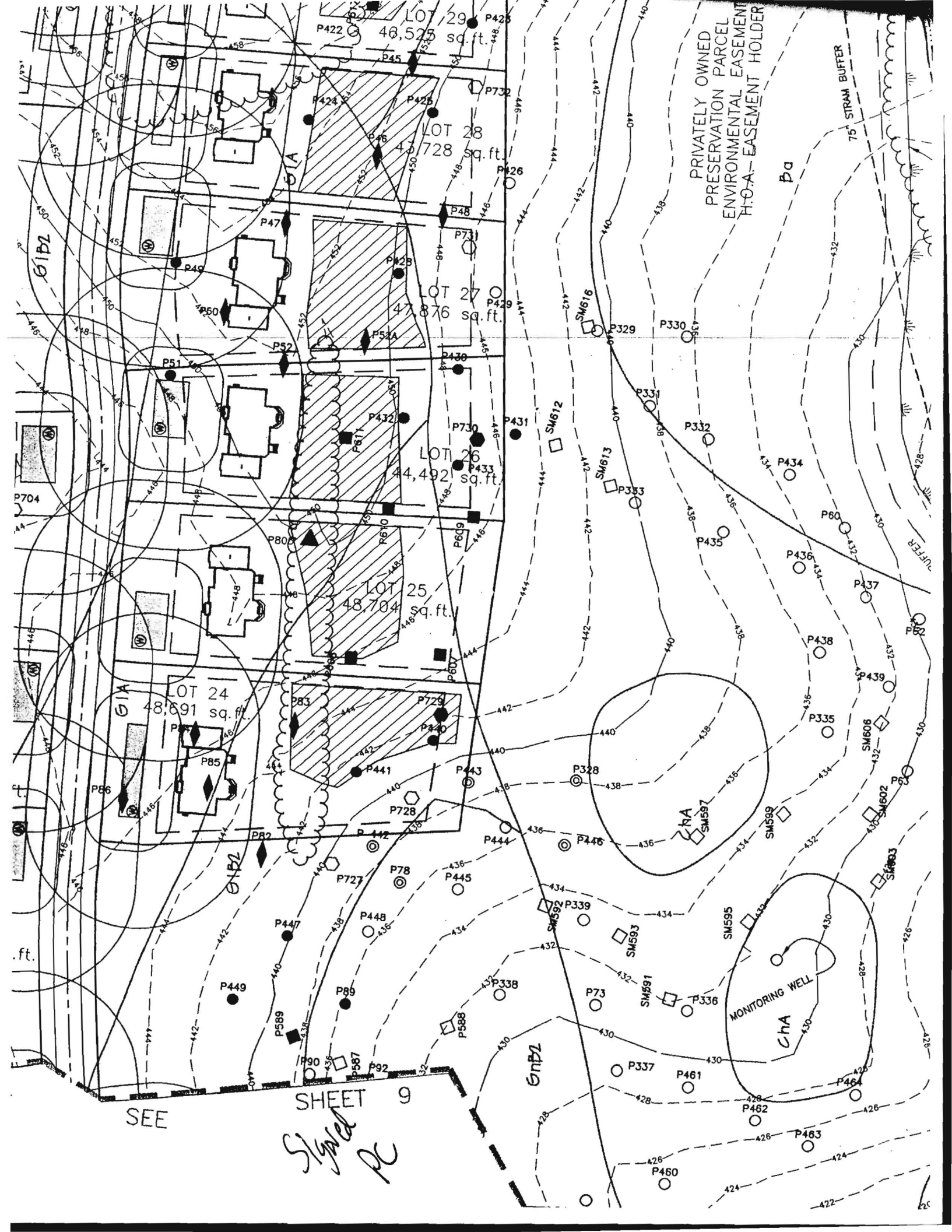
(331)

Topsoil + Loam
Gray Mottling in
Sa Structure
Water Coming in
Around 8' According
to Digger

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
4/10/03	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 fill 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)

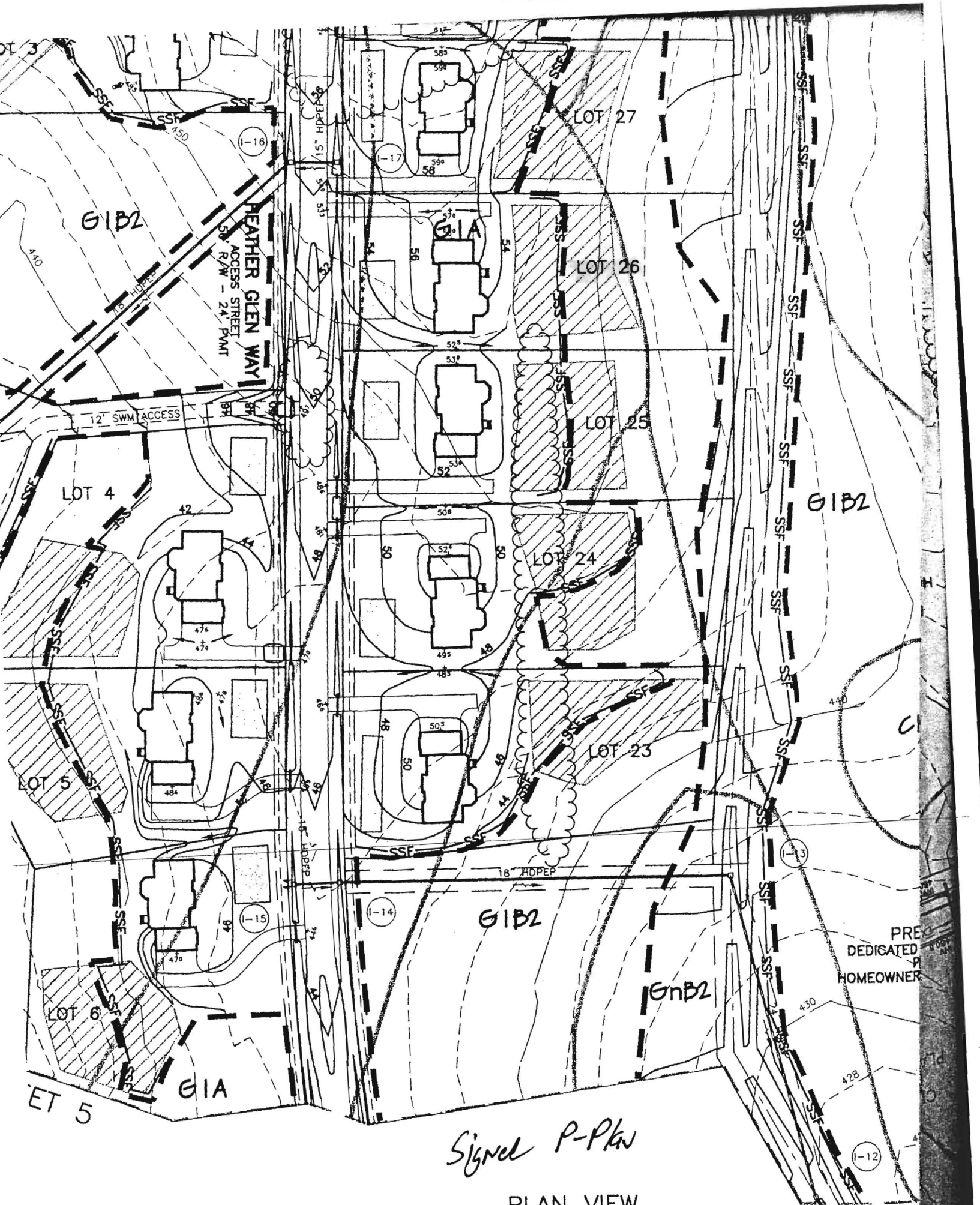
TYPE OF SOIL _____
 TESTED BY B. Baker ALSO PRESENT _____
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____
 INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT/BEDROOM _____



SEE

SHEET 9

Symbol PC



Signal P-Plan

PLAN VIEW
SCALE: 1" = 100'

PRE DEDICATED HOMEOWNER

(I-12)

(I-13)

(I-14)

(I-15)

(I-16)

(I-17)

ET 5

GIA

GnB2

G1B2

G1B2

G1B2

HEATHER GLEN WAY
ACCESS STREET
50' R/W - 24' PAVT

12' SWM ACCESS

15' HDPEP

18' HDPEP

15' HDPEP

15' HDPEP

440

440

430

428

LOT 4

LOT 5

LOT 6

LOT 27

LOT 26

LOT 25

LOT 24

LOT 23

G1A

G1A

G1B2

GnB2

Signal P-Plan

PLAN VIEW
SCALE: 1" = 100'

PRE DEDICATED HOMEOWNER

(I-12)

(I-13)

(I-14)

(I-15)

(I-16)

(I-17)

ET 5

GIA

GnB2

G1B2

G1B2

G1B2

HEATHER GLEN WAY
ACCESS STREET
50' R/W - 24' PAVT

12' SWM ACCESS

15' HDPEP

18' HDPEP

15' HDPEP

440

440

430

428

LOT 4

LOT 5

LOT 6

LOT 27

LOT 26

LOT 25

LOT 24

LOT 23

G1A

G1A

G1B2

GnB2

BUILDABLE
PRESERVATION PARCEL A
PRIMATELY OWNED
HOWARD COUNTY EASEMENT HOLDER
HOMEOWNERS ASSOCIATION EASEMENT HOLDER
7.41 AC.

