

APPLICATION

PERCOLATION TESTING

A 517386

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 Cole Property

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER James Jost

ADDRESS _____ PHONE (443) 535-9200

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. _____

ROAD AND DESCRIPTION 12182 Rt. 216

TAX MAP 41 PARCEL # 2

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

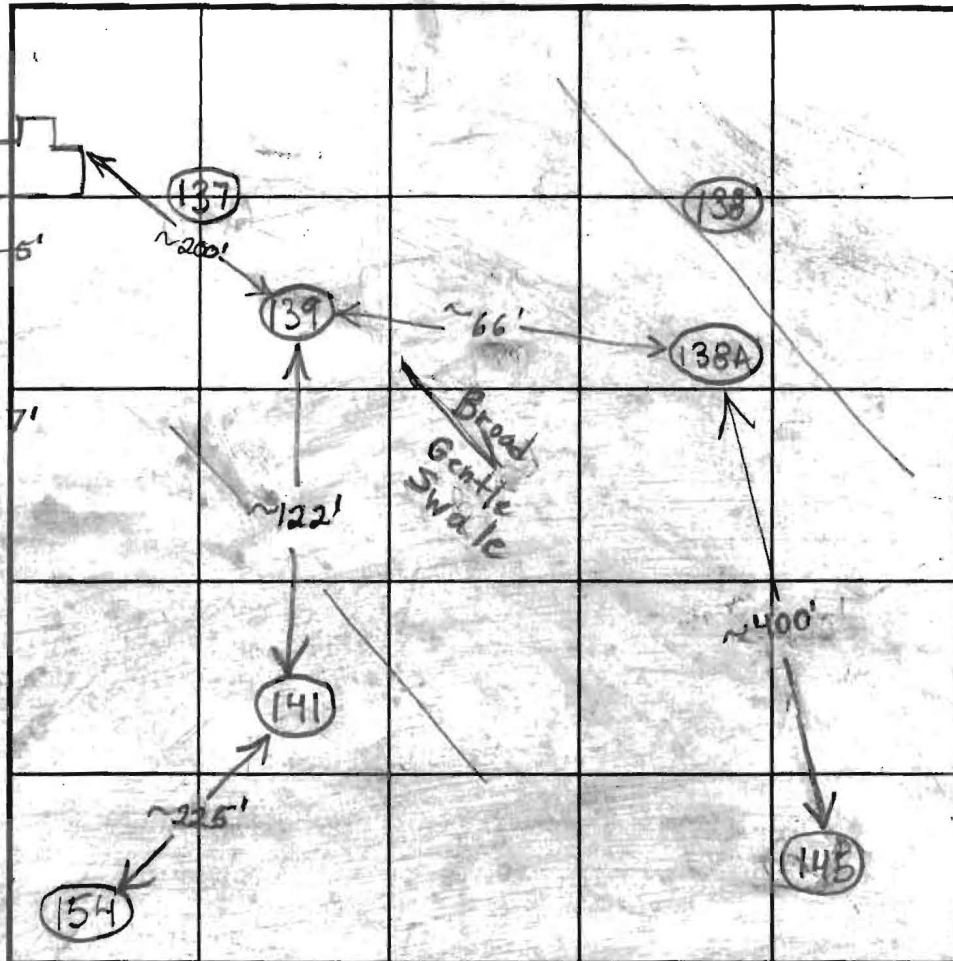
COUNTY #

SOIL PROFILE

0'
 (141)
 Red Br and Or Br Heavy Loam 4.5' - 5'
 Red Br and Or Br Loam and Red Br Si Loam 6.5' - 7'
 Red Br Sa Loam ~20% Rock and Saprolite 13.5'

(139)
 Red Br and Or Br Heavy Loam 5.5'
 Red Br and Or Br Heavy Loam and Loam - Very Dense becoming sandier with depth ~10% Rock and Saprolite 13'3"

(138A)
 Red Br and Or Br Heavy Loam Gradually Turning to a Si Loam Below 7.5' Less than 10% Rock



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	
1/31/03	141	5' / 13.5'	10:21	~3/8" in	15 minutes	Slow	O.K.
		6' 4"	10:20.30	10:34:15	10:34:15	11:00	~26
	139	6' 6" / 13.5'	11:21:30	~3/8" in	15 minutes	Slow	(F)
	138A	6' 8" / 14.5'	11:45	~3/8" in	15 minutes	Slow	(F)

REMARKS _____
 TYPE OF SOIL _____
 TESTED BY B. Baker / F. Alfonso ALSO PRESENT _____
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____
 INLET DEPTH 14.5 MAXIMUM BOTTOM DEPTH _____ SQ. FT/BEDROOM _____

SOIL PROFILE

(143)

Red Br Heavy Loam 4.5'
 Red Br Loam and Red Br Sa Loams to Undeterminable Depth 10-15% Rock
 Light Red Br Sa Loam 15-20% Rock and Saprolite 15'

(150)

Red Br Heavy Loam 4'-4.5'
 Med Red Br Sa Loam 75-20% Rock and Saprolite

(144)

Red Br Heavy Loam 5'-7.5' Clay Deeper Towards North Side of Hole
 Med Red Br Sa Loam 10-15% Rock and Saprolite

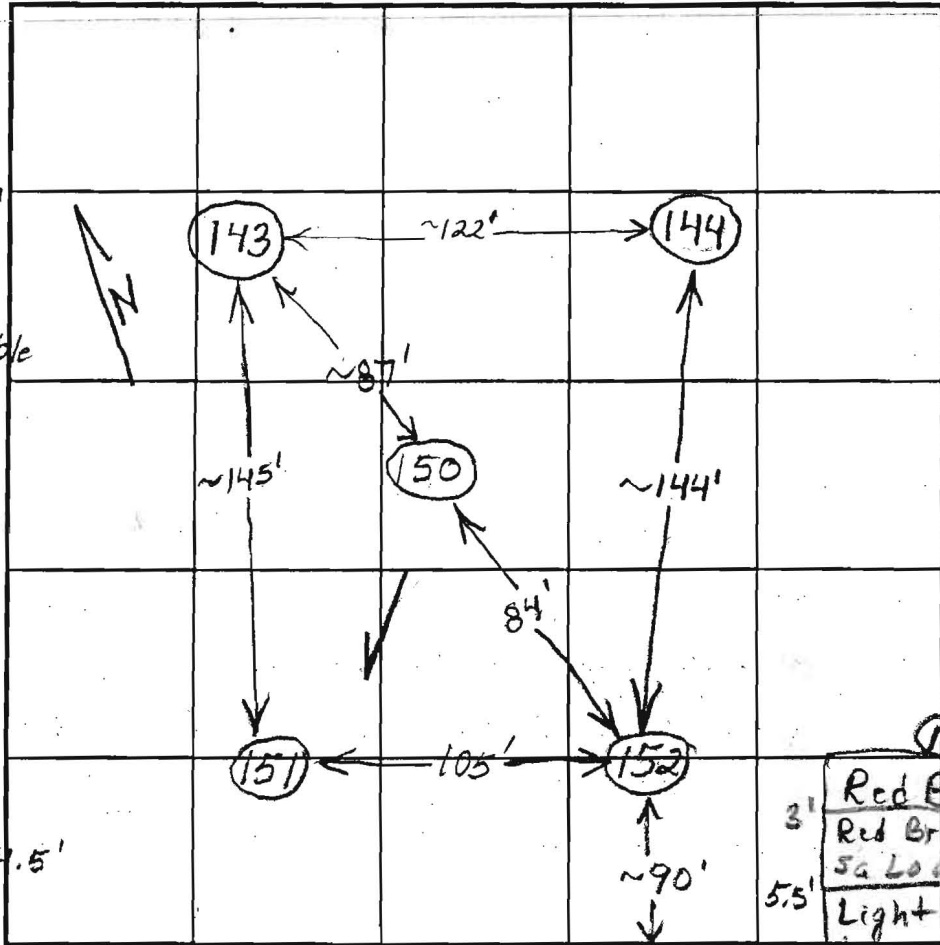
SOIL PROFILE

(152)

Red Br Heavy Loam 4.5'
 Red Br Loam and Red Br Sa Loam To Undetermined Depth ~10% Rock
 Med Red Br Sa Loam 10-15% Rock and Saprolite 15.5'

(151)

Red Br Heavy Loam 3'
 Red Br Loam and Sa Loams 5.5'
 Light Red Br Sa Loam 5-10% Rock and Saprolite 15'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Route 216

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
9/12/02	143	5' / 15' V	1:34	1:39:30	1:39:30	1:49	9 1/2	O.K.
	150	4.5' / 15.5' V	1:46:30	1:47:30	1:47:30	1:49:15	~2	O.K.
	144	6' 3" / 15.5' V	2:05	2:07	2:07	2:09:30	2 1/2	O.K.
	152	5.5' / 15.5' V	2:18:30	2:22:45	2:22:45	2:31:30	~9	O.K.
	151	4.5' / 15' V	2:35:30	2:40:45	2:40:45	3:51	~10	O.K.

REMARKS Hole Locations Need to be Checked

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 _____

15.5

COUNTY #

SOIL PROFILE

(136)

Red Br Heavy Loam

7.5'

Light Red Br Sa Loam
~20% Rock and Saprolite

14.5'

(138)

Red Br Heavy Loam

4'

Red Br Si Loam

5.5'

Light Red Purple Sa Loam

10-15% Rock and Saprolite

14'

(137)

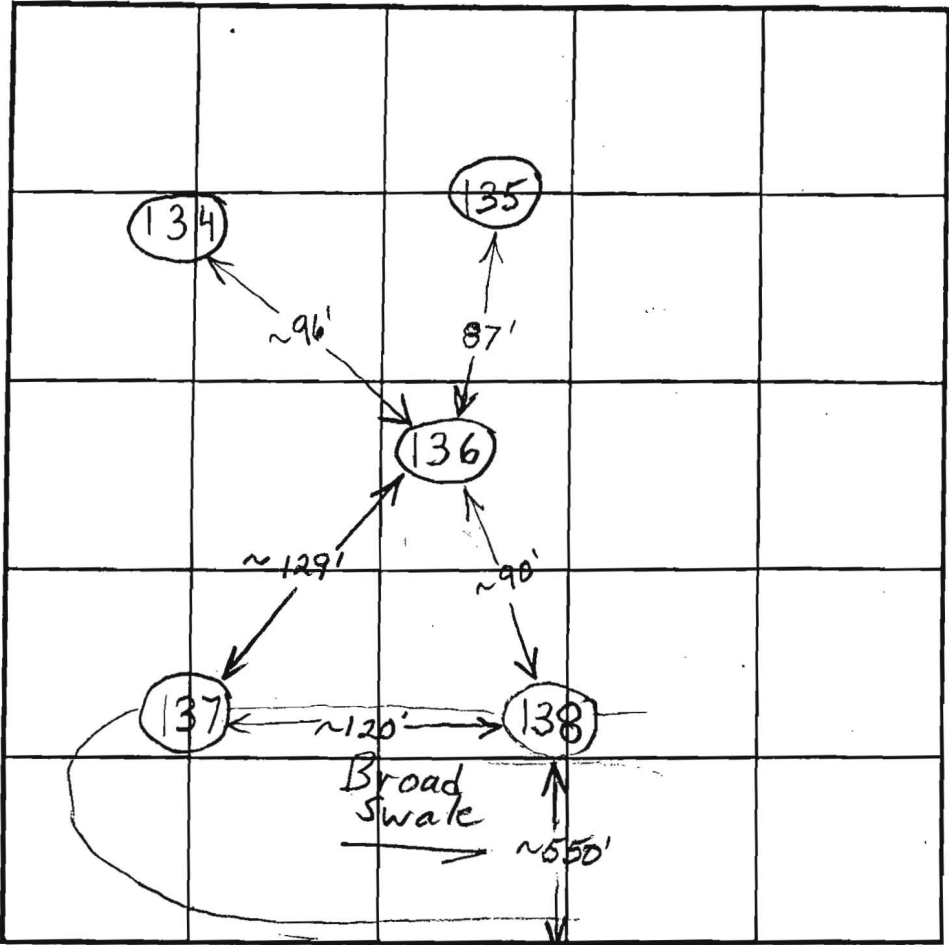
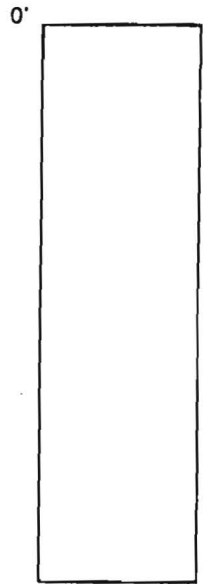
Red Br Heavy Loam

5'

Red Br Heavy Si Loam
Trace Rock

14.5'

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Route 216

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
9/12/02	136	6'10" / 14.5' V	12:12	Not Down to Second Peg After 25 minutes			Slow	(F)
	138	6' / 14' V	12:24	12:25:30	12:25:30	12:29	3 1/2	O.K.
	137	7' / 14.5' V	11:02	Hasn't Reached Second Peg in 25 min			Slow	(F)

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 _____

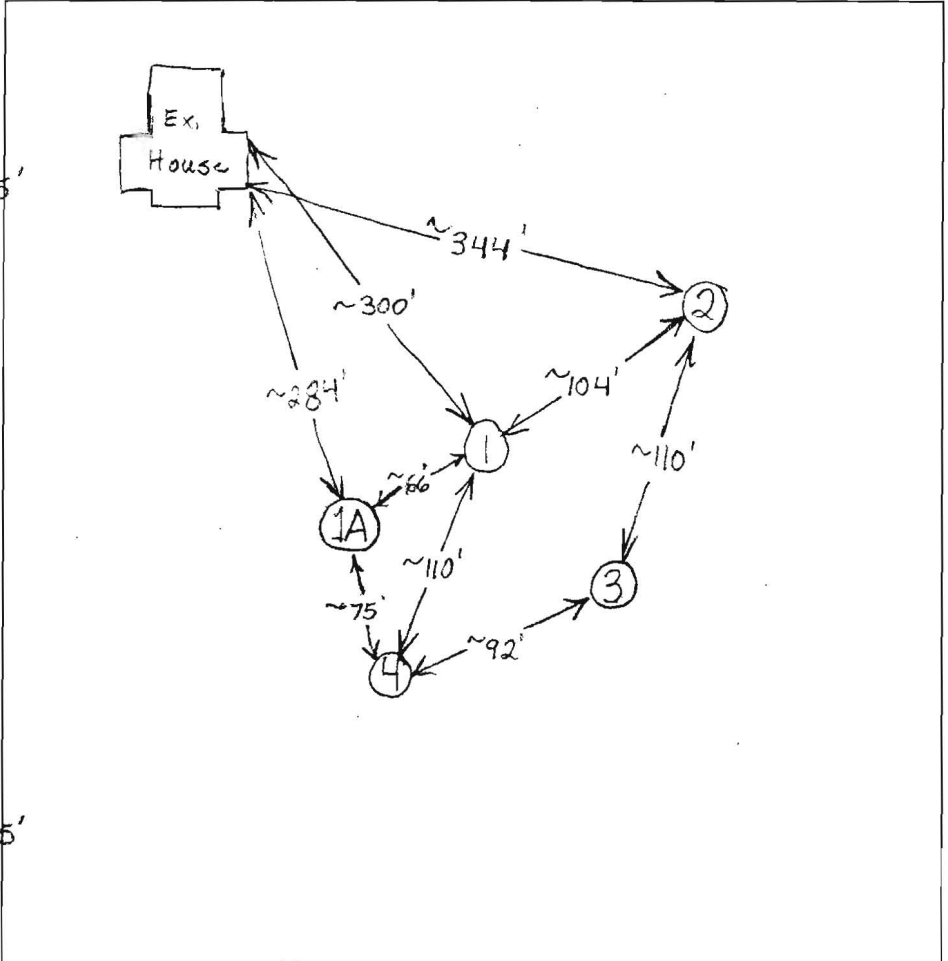
AVP ①
 Red Br Heavy Loam and Si Cl Loam 4'-4.5'
 Purple and Or Si Loam
 ~10% Rock
 Water 13.5'

②
 Red Br Heavy Loam and Si Cl Loam 4'-5.5'
 Or and Red Si Cl Loam and Si Loam
 ~10% Rock 8.5'

Red Br Si Loam Very Little Rock 11.5'
 Caving Water 12'

③
 Red Br Heavy Loam and Si Cl Loam 5.5'

Red Br Si Loam
 Caving Water 12'
 Water 13.5'



Route 216

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
11/18/03	1	5.5' / 13.5' V	10:47	10:58	11:25	27	
		8'	10:48	10:51:20	10:59	7 1/2	
	2	6' / 12' V	11:07	11:25:30	11:56:30	31	O.K.
		10'	11:07	11:12	11:22	10	
	3	6' / 13.5' V	11:38:30	11:46:45	12:05:45	19	
		9'	11:39	11:45	11:54	9	
	4	6' / 14' V	12:11	12:13	12:17	4	
		9'	12:12	12:15	12:27	12	
	1A	6' / 13' V	12:42	12:43:15	12:45:40	2 1/2	
		8.5'	12:43	12:46:15	12:52:45	6 1/2	

④
 Red Br Gray + Or Mottled Heavy Loam 4'-4.5'
 Red Br and Or Br Mica Loam
 ~40% Rock and Saprolite
 Water 14'

①A
 Red Br Heavy Loam and Or Br Si Loam 4.5'
 Red Br Sa Loam and Or Br Si Loam
 Very Little Rock 6.5'
 Red Br Sa Mica Loam
 25-30% Rock and Saprolite 13'

REMARKS Max. Trench Depth of 7'
 SANITARIAN _____ BACKHOE _____ OTHERS _____
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SAW _____

COUNTY #

SOIL PROFILE

145A

Red Br Heavy Loam

2.5'-3.5'

Red Br Loam

4'-4.5'

Red Br and Beige Sa Loam

~20% Rock

Water 11'

147A

Red Br Heavy Loam

3.5'-4.5'

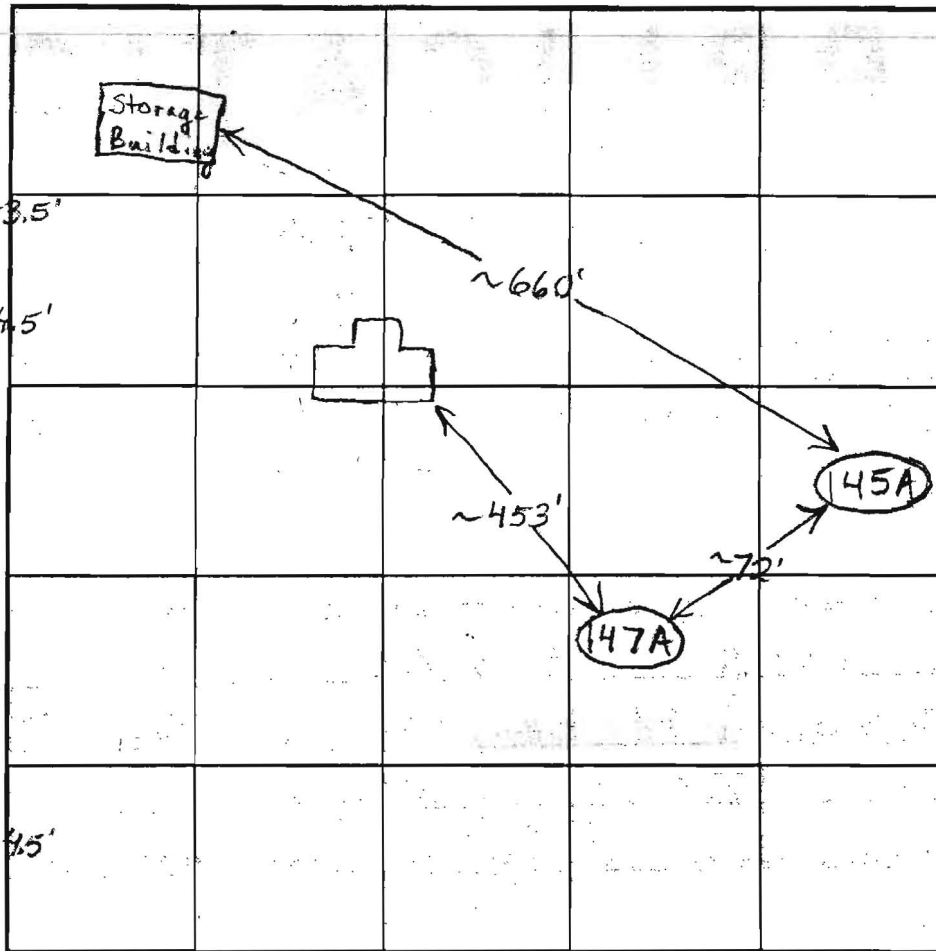
Red Br Si Loam and Sa Loams

10-15% Rock

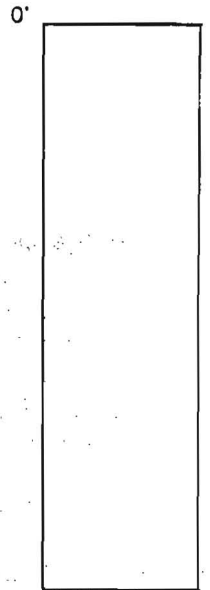
Red Br Sa Loam

~30% Rock

Water 13'



SOIL PROFILE



INDICATE NORTH (NAME ADJOINING ROADWAY AS BASE LINE.)

Route 216

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
5/15/03	145A	4'2" / 11' V	11:05:30	11:09:30	11:09:30	11:15:15	~6	O.K.
		6.5'	11:06:30	11:10:15	11:10:15	11:16:45	6 1/2	
	147A	4'2" / 13' V	11:29	11:40	11:40	11:56	16	O.K.
		6'3"	11:27:45	11:29:15	11:29:15	11:31:20	~2	
		4.5'	11:41:30	11:45:45	11:45:45	11:53:15	7 1/2	

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

(148)

Red Br Heavy Loam

Red Br Loam and Red Br Sa Loam

Red Br Sa Loam Large Pocket of ~50% Quartz From 6-9' ~20% Rock and Saprolite Below 9'

(147)

Red Br and Or Br Heavy Loam

Red Br Sa Loam 20-25% Rock and Saprolite

(144A)

Red Br Heavy Loam

Red Br and Or Br Loam Less than 10% Rock

Red Br Sa Loam 20-25% Rock and Saprolite

SOIL PROFILE

(146)

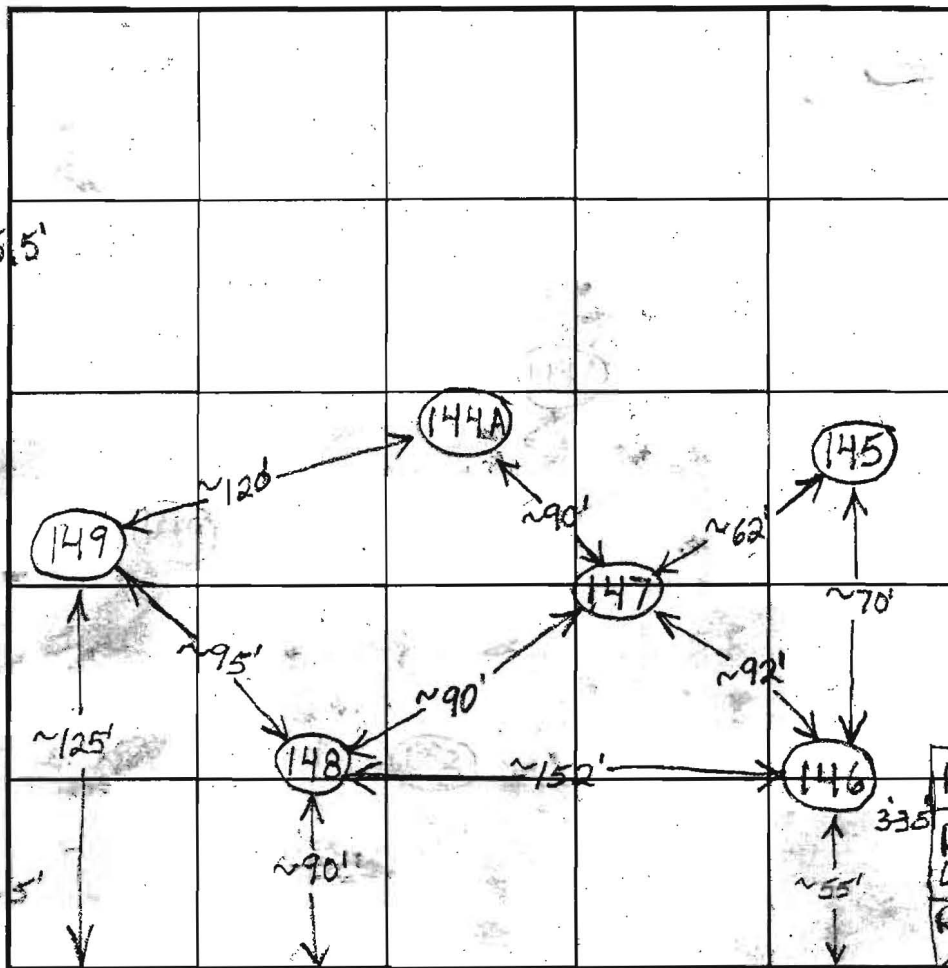
Red Br Heavy Loam

Red Br and Or Br Loams and Br Sa Loam

Red Br Sa Loam ~20% Rock and Saprolite

(145)

Red Br Heavy Loam Red Br Si and Sa Loams ~5% Rock Red Br Sa Loam ~15% Rock and Saprolite



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Route 216

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
1/29/03	148	5'4" / 13.5V	1:41	~1/2" in	20 minutes		Slow	OK.
		6.5'	1:42	1:46	1:46	2:13	27	
		147	4'9" / 13.5V	2:18	~1/4" in	10 minutes		Slow
		6'2"	2:18	2:32	2:32	2:48	16	
	144A	6'6" / 13V	3:29	3:33	3:33	3:43	10	O.K.
1/31/03	146	4'9" / 13.5V	9:36:30	9:40	9:40	9:45	5	O.K.
		7'	9:36	9:39	9:39	9:44:30	5 1/2	
	145	4'6" / 13V	9:56	10:02:30	10:02:30	10:15:30	13	O.K.
		6.5'	9:55:15	9:59	9:59	10:06	7	

REMARKS

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

COUNTY #

SOIL PROFILE

(153)

Red Br and
or Br Heavy
Loam Less
Than 10%
Rock

25' 7.5'

Red Br
Sa Loam
~15%
Saprolite
No Obvious
Mottling

14'

(154)

Red Brand
Or Br Heavy
Loam and
Si Loam
Less Than
10% Rock

6-7.5'

Red Br
Sa Loam
~15%
Rock and
Saprolite

14'

(153)

Red Br
Heavy Loam

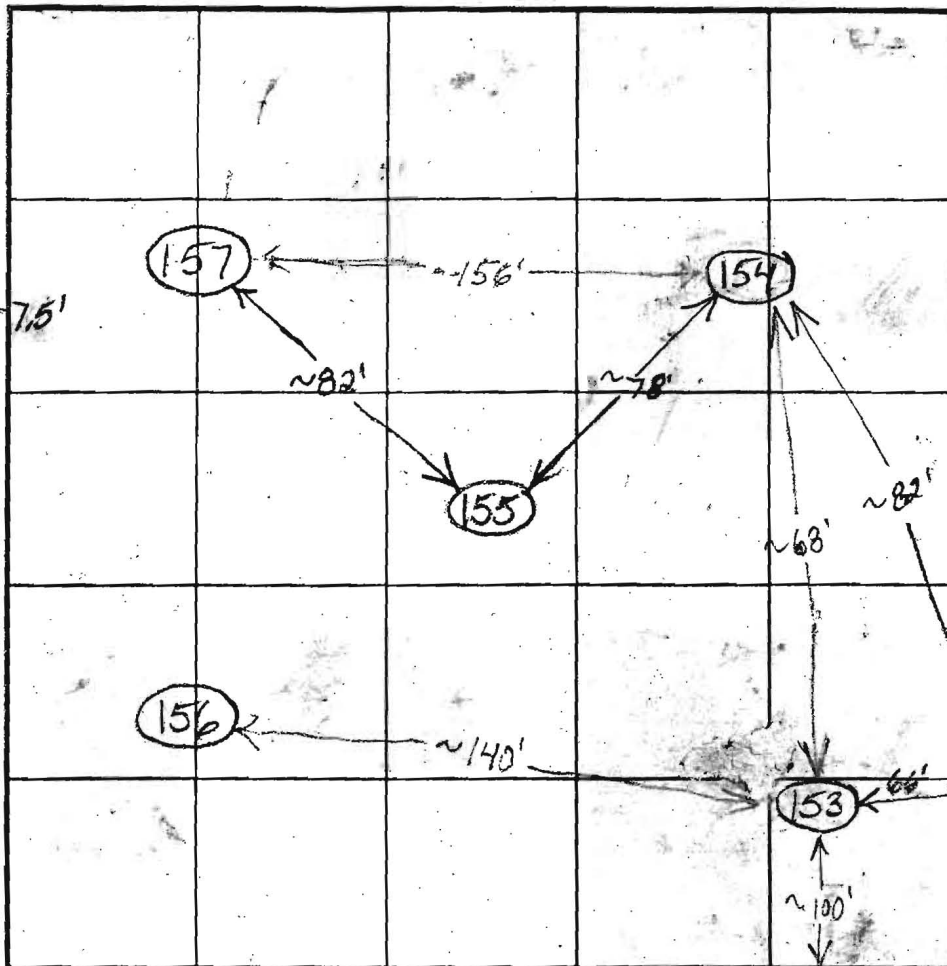
4-5'

Red Br
and Br
Sa Loam
and Si Loam
~15% Rock

9'

Red Br
Sa Loam
~20% Rock
and
Saprolite

13.5'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Route 216

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
1/29/03	155	5'4" / 14" V	11:38	~7/8 in	40 minutes		Slow	O.K.
		7.5'	11:39	11:45:30	11:45:30	12:03	17 1/2	
		6'2"	12:03	12:05	12:05	12:16	11	
	154	7' / 14" V	11:55	12:05:30	12:05:30	12:43:30	38	(F)
	153	6'9" / 13.5" V	12:16	12:31	12:31	1:14	43	(F)
	149	4'6" / 13" V	12:54	12:56	12:56	1:21	25	O.K.
		6'8"	12:54	12:55:30	12:55:30	1:03	7 1/2	

REMARKS

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

