

APPLICATION

PERCOLATION TESTING

A 515042

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 Benedict Farm 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

COUNTY #

SOIL PROFILE

0' (361)
 4" TOPSOIL
 org brn
 rd brn
 CLm
 6' Micaceous
 SLm
 Excessive strong
 saprolite/Rock
 55%-70%
 12' HARD BOTTOM

South

(362)
 4" Topsoil
 red brn
 micaceous heavy
 Rock Frag 100%
 4' 200%

micaceous
 hLm
 (10-15% Rock Frag)

rd brn
 brn
 white
 SLm
 <10% Frags

8' Rock Frg
 55-65%
 11' HARD BOTTOM

(366)

4" Topsoil
 DK org brn
 hLm

4" 10-15% Rock Frg
 5' ↓
 bluish grey
 SiLm

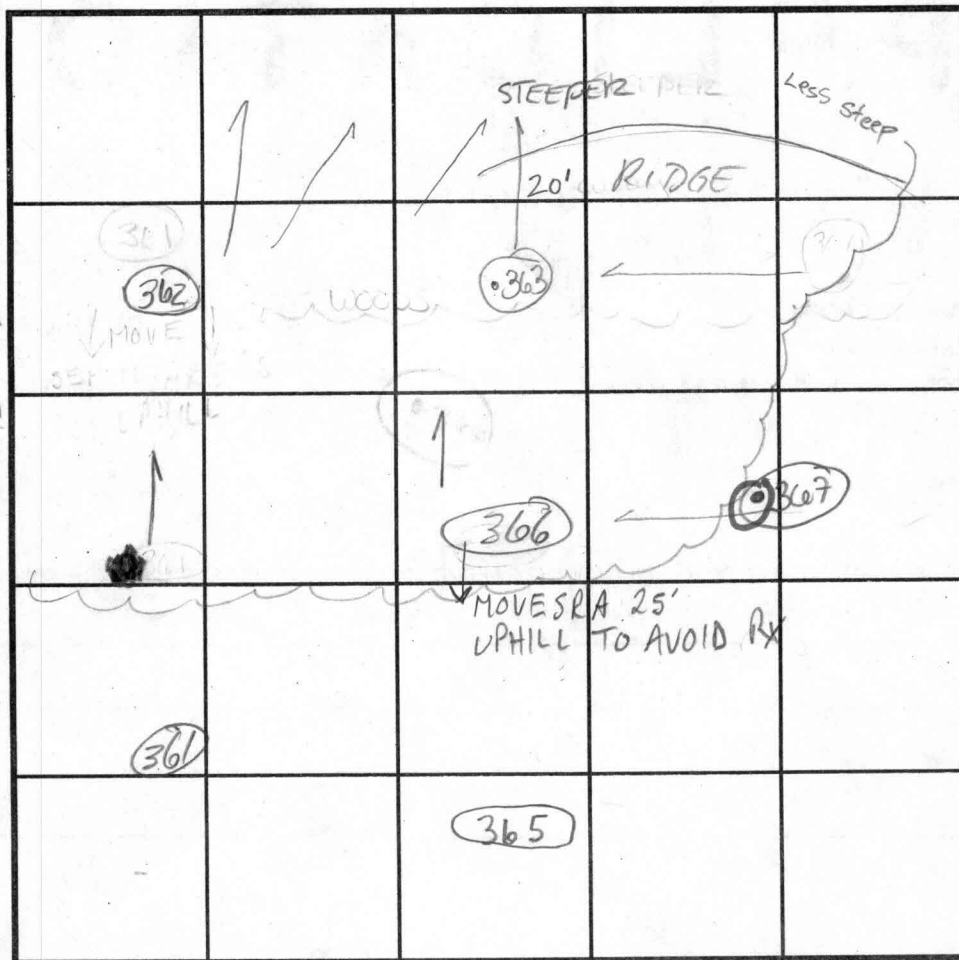
6' org brn
 SiLm

West
 Wall
 Rock
 Frg

50-55%
 DOWNHILL

11'

13' Bottom



SOIL PROFILE

0' (363)
 6" TOPSOIL
 rd
 SLm
 300% Frag
 3' tan grey
 Sand
 micaceous
 20% Frags
 13 1/2' Bottom

367

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

EAST

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/12/01	(361)	5 1/2' S	2:17	2:20	2:20	2:24 ³⁰	4 1/2 min
		12' HARD BOTTOM	EXCESSIVE ROCK				FAIL
	362	4' S	2:17	2:19	2:19	2:23	4 min
		11' HARD BOTTOM	MARGINAL				UPHILL RETEST REQ
	366	7'	2:40	2:45	2:45	2:51	6 min
		13' Bottom	MARGINAL - MOVE SRA 25' UPHILL				
	P 363	4 1/2' S	2:44	2:45	2:45	2:47	2 min
		13 1/2' Bottom					OK
	(367)	HARD BOTTOM @ 7'					FAIL

REMARKS #362 - SWALE T 20% rock N walk - 45-50% HOLES PER PLAT

TYPE OF SOIL

TESTED BY

Goedeking

ALSO PRESENT

Chuck C
Mike J & crew

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM

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SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

COUNTY #

SOIL PROFILE

0'

6-8"

5-5 1/2'

7'

10'

13 1/2'

Topsoil
Rd br
CLM
Rock 10-15%
org brn
tan
brn
SLM
Rock Frag
≤ 35%
SLM
Rock Frag
20-25%
Bottom

(359)
Topsoil
org brn
CLM
Rock
↓ 5-10%
beige
brn (10yr 5+)
lt brn
SLM
10-15% Rx
red brn orge
wh. gray mottles
micaceous
saprolite mixed
Colors - Parent Material
Bottom

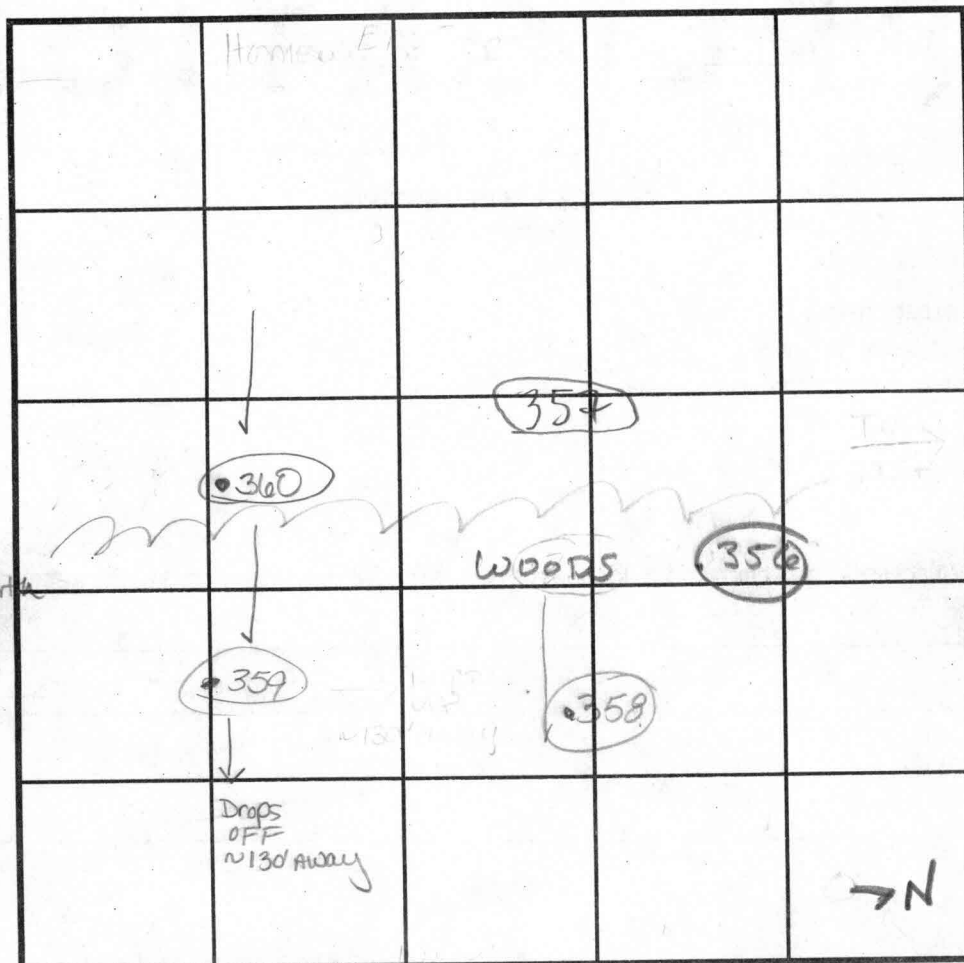
13 1/2'

4-6"

3'

(356)
Topsoil
DK brn
rd br
hLm
rock < 5%
org brn
tan
SLM
Rock Frag
< 5%
Bottom

13 1/2'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

0'

(358)
strong brn
rd brn 5YR 4/4
hLm
CLM
SLM
Rock < 2%
40-45%
weak
saprolite
Bottom

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/12/01	360	5'7" S	12:47 ¹⁵	12:51	12:51	1:01	18 min
		13 1/2' D	DEEP SHELF REQ'D FOR FURTHER REVIEW				
	359	5'2" S	12:55	12:59	12:59	1:08	9 min
		13 1/2' D					PASS
	356	5'10" S	1:17	1:21	1:21	1:29	8 min
		13 1/2' D					PASS
	358	5'6" S	1:31	1:39	1:39	2:07	29 min
		14' D	DEEP SHELF FOR FURTHER REVIEW				MARGINAL
12/16/02	358 M	9 3/4"	2:38-35	2:41	2:41	2:48	7
	360 M	7-10					

REMARKS

TYPE OF SOIL

TESTED BY

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

INLET DEPTH

MAXIMUM BOTTOM DEPTH

ALSO PRESENT

TRENCH WIDTH

SQ. FT./BEDROOM

HOLES PER PLAN

TYPE OF SOIL

TESTED BY Goedecking

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

INLET DEPTH

MAXIMUM BOTTOM DEPTH

ALSO PRESENT H. RIFKIN

TRENCH WIDTH

SQ. FT./BEDROOM

SQ. FT./BEDROOM

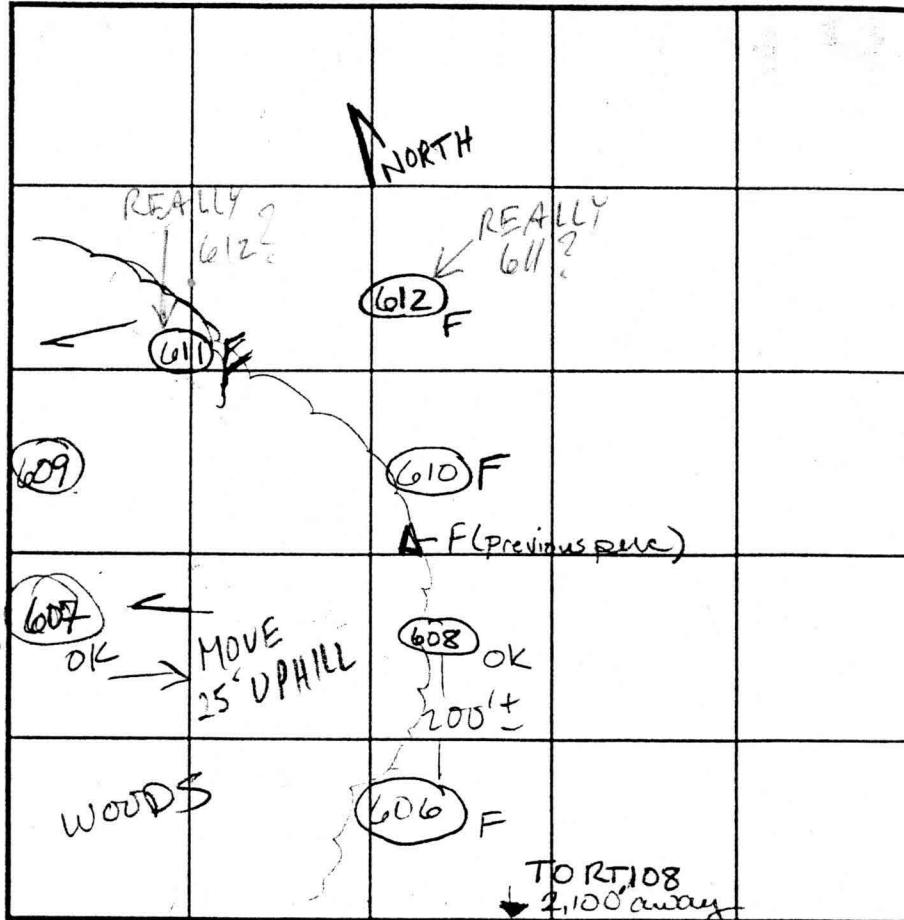
12

515042

COUNTY #

SOIL PROFILE

0'	(608)	DK brn CLLM	2'
		WK RD Brn SCLLM Rx ~ 5%	
6'		tan Hbrn beige Sand 20-30% Rx Bottom	12'3"
	(607)	WK rd, org brn DENSE SCLLM CLLM	3 1/2'
5' down hill		tan dk brn beige Micaceous Sand Rx begins 15%	6' uphill
		50-60% HARD Bottom	11 1/2'
	(609)	DK brn SCLLM	2'10"
		strong org, WK rd Micaceous SCLLM Rx 10-15%	6'
		brn beige SAND 40% Rx	8'
		30-35% Rx Bottom	13'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11/16/02	608	5' 5" V 12'3"	11:47:33	12:10	12:10	12:33	23 min
	606	9' 40-60% Rx begins @ 3'	DEEP SHELF	RE Q'D FOR	REVIEW		F ABOVE
	607	4 3/4" V 11 1/2"	12:05:14	12:07:38	12:07:38	12:12:45	5+ min
	609	4 1/2" V 13'		MARGINAL			
	610	Excessive Rx	Refusal @ 7 1/2'		DENSE CLAY ABOVE		F
70-80% Rx	611	Excessive Rx	Refusal @ 7 1/2'		DENSE clay/SCLLM ABOVE		F
	612	Refusal @ 11'	Excus Rx begins @ 4'				F
		THESE 2 LOTS BEST COMBINED INTO ONE LOT					

REMARKS Holes per plan #608-DEEP SHELF FOR FURTHER REVIEW

TYPE OF SOIL

TESTED BY

KG

ALSO PRESENT

Mike Johnson

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM

COUNTY #

SOIL PROFILE

(350)

Top soil
RD B Brn
CL Lm
Micaceous

4 1/2' Micaceous
Si Lm
tan
brn
beige
40-50%
Rock
Frag
Bottom

(351)

Top soil
rd brn
brn
CL Lm
1-3% rock
frag

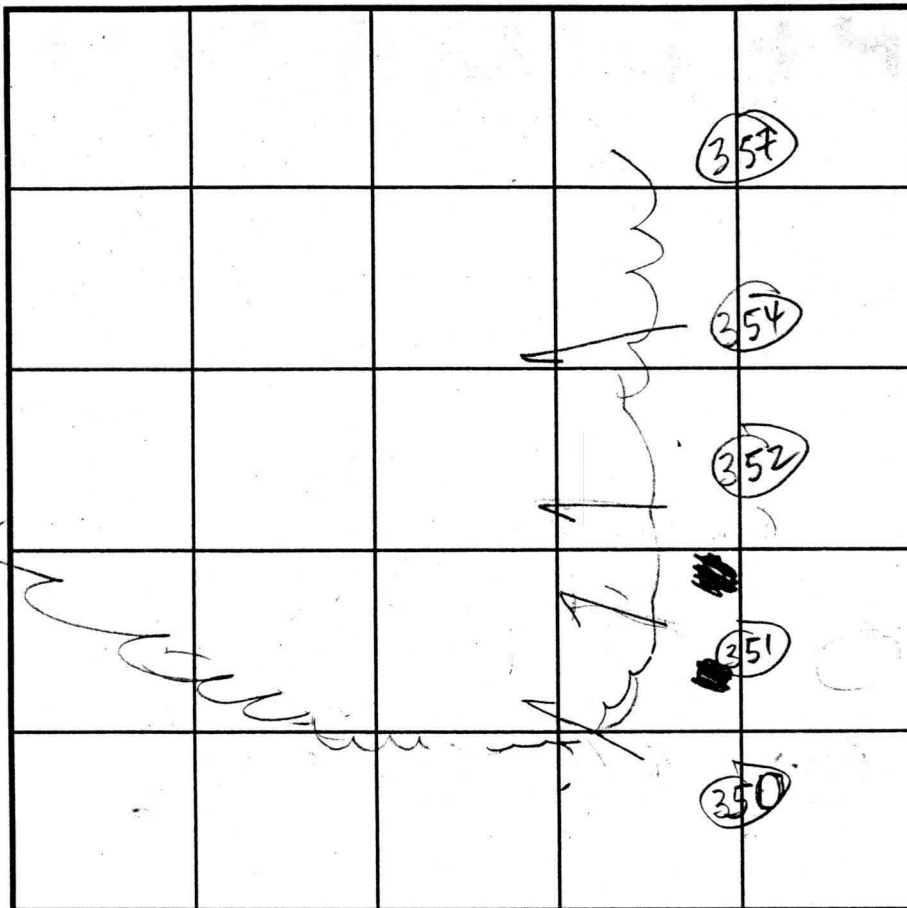
5' Tan
grey
yellow
SA Lm
15-20%
rock
frag
Bottom

(352/354)

Strong
Org brn
Clay

4' to 5' 55-70%
Rock
Frag

SA Lm
lt brn
brn
beige
9' Refusal



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

(357)

Top soil
Rd brn
brn

CL Lm

35-40%
Rock

org, brn
SA Lm

Bottom

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8-29-01	350	6.5'	2:43	2:47	2:47	2:48 45	1 45 min
		13' D	DEEP SHELF REQ'D FOR Review				
	351	6' S	2:51	2:53	2:53	2:55	2 min
		14 1/2' D					
	(352)	9' Refusal					FAIL
	(354)	11' Refusal					FAIL
	(357)	8' Bottom-Refusal?					FAIL

REMARKS

TYPE OF SOIL

TESTED BY

Goedeking

ALSO PRESENT

Chuck C

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT/BEDROOM

HOLES PER PLAN

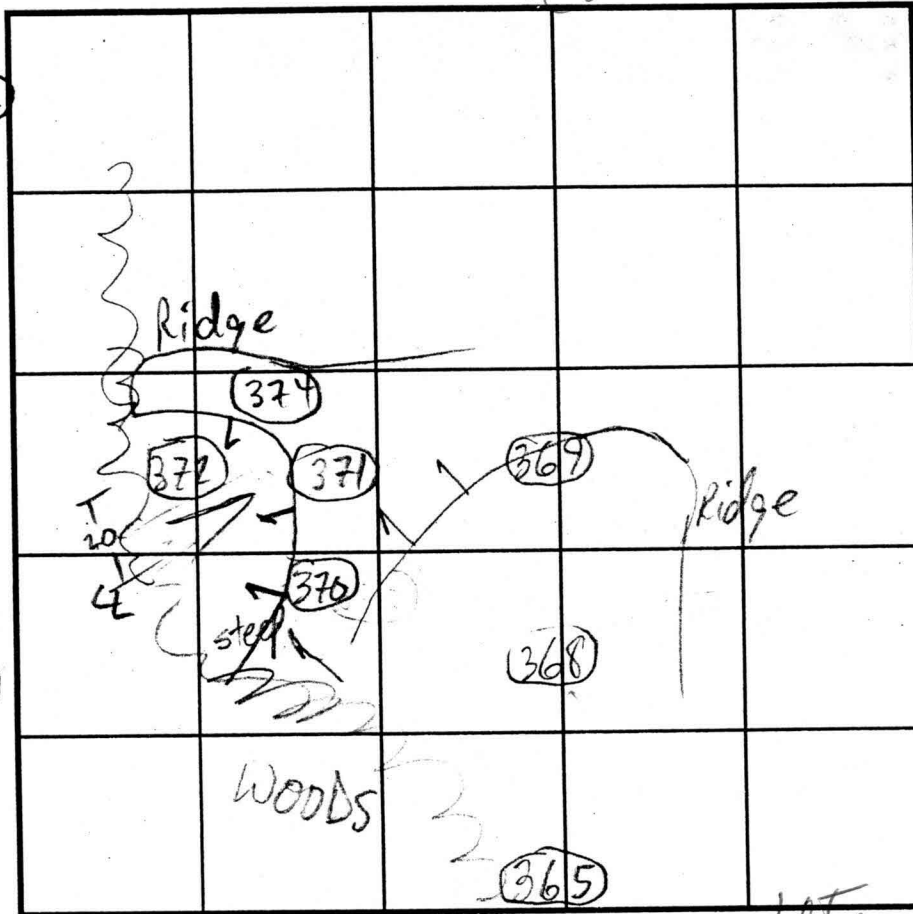
lot 34

COUNTY #

SOIL PROFILE

SOIL PROFILE

0'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

brn orge
sac 1m
10-15% frags

brn tan
gray

sa 1m
10-15%
frags

dk red
orge brn
sac 1m

tan brn
gray

sa 1m
10-25%
frags

30% ORX
HILL DOWNHILL

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
9/11/21	365	5' / 12' 3"	10:40	10:41	10:41	10:43	2	OK
	368	5 1/2' / 14'	10:47	10:48	10:48	10:52	4	OK
	370	5 1/2' / 12 1/2'	10:50	10:53	10:53	10:59	6	OK
	369	8'	RX	REFUSAL				
	371	6' / 13'	11:17	11:19	11:19	11:21	2	OK
	372	5 3/4' / 13 1/2'	11:30	11:36	11:36	11:47	11	OK

REMARKS

Check Slopes to verify slope 25%; HOLES PER PLAN

TYPE OF SOIL

TESTED BY Mark R. F. KIN

ALSO PRESENT Chuck Crowe

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM

515042

COUNTY #

SOIL PROFILE

0' (608)

DK brn
CLLM

2'

WK RD Brn
SCLLM
Rx ~ 5%

6'

tan
H brn
beige
Sand20-30%
Rx

Bottom

12'3"

(607)

WK RD org brn
DENSE
SCLLM
CLLM

3 1/2'

tan
dk brn
beige
Micaceous
SandRx
begins
15%

6'

(606)

50-60%
9'HARD
Bottom

11 1/2'

(609)

DK brn
SCLLM

2'10"

Strong
org, WK RD
Micaceous
SCLLM
Rx 10-15%

6'

brn beige
SAND
40% Rx

8'

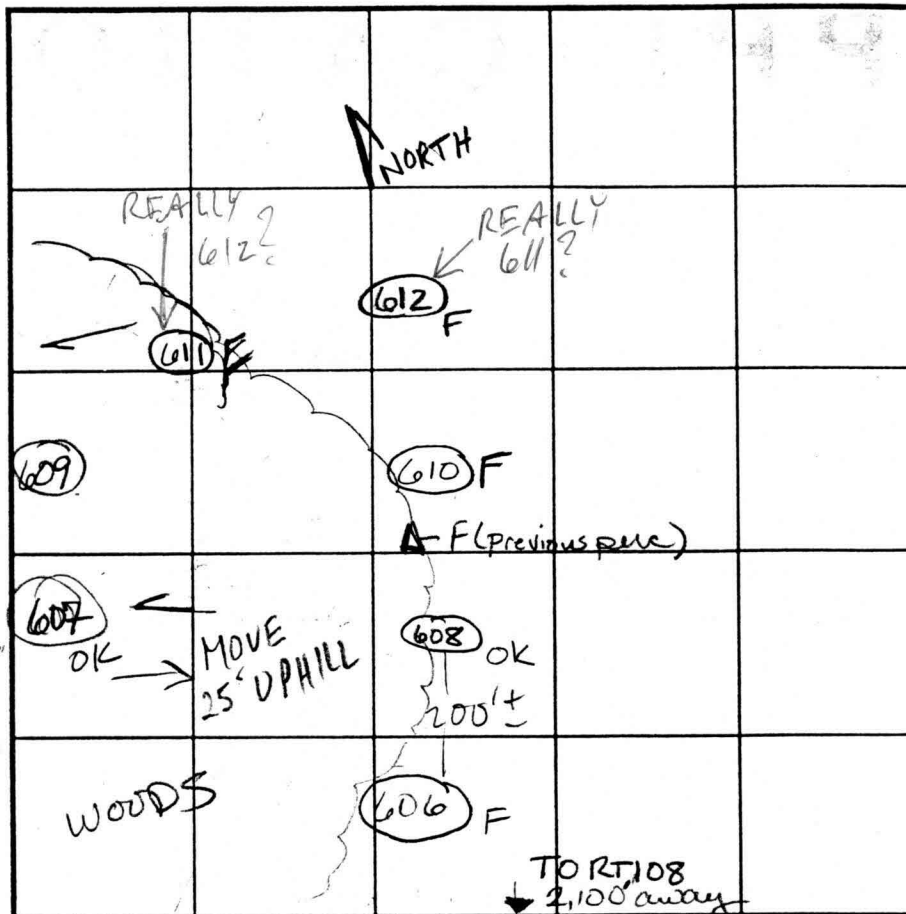
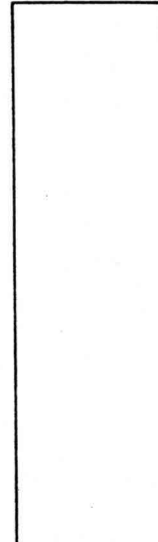
30-35%
Rx

Bottom

13'

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	
1/16/02	608	5' 12'3"	11:47:33	12:10	12:10	12:33	23 min
	606	9' 40-60% Rx begins @ 3'					F
	607	4 1/2' 11 1/2'	12:05:14	12:07:38	12:07:38	12:12:45	5+ min
	609	4 1/2' 13'					F
	610	Excessive Rx					F
	611	Excessive Rx					F
	612	Refusal @ 11' Excess Rx begins @ 4'					F
	THESE 2 LOTS BEST COMBINED INTO ONE LOT						

REMARKS Holes per plan #608 - DEEP SHELF FOR FURTHER REVIEW

TYPE OF SOIL

TESTED BY

KG

ALSO PRESENT

Mike Johnson

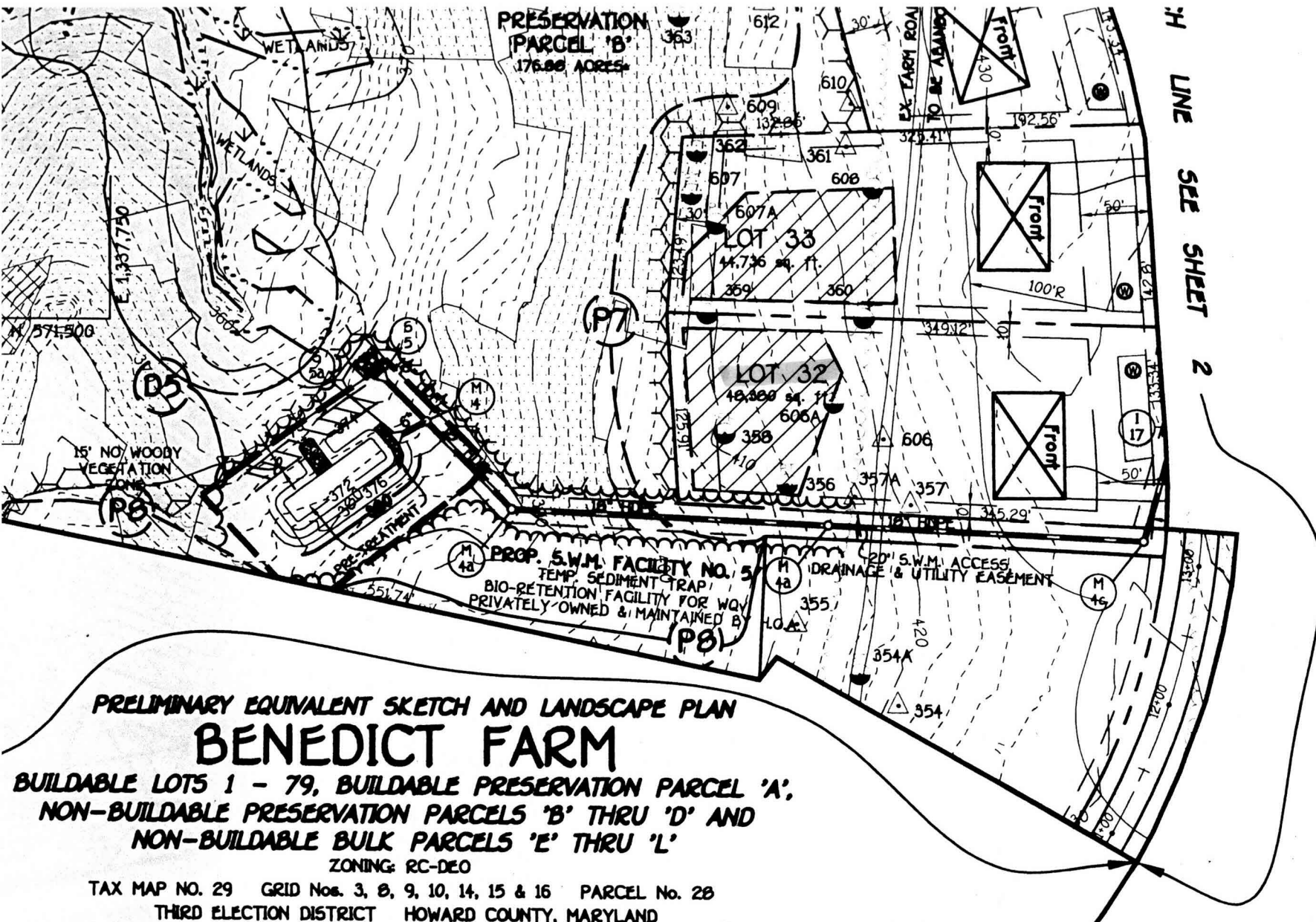
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

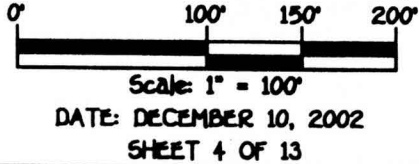
MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM



PRELIMINARY EQUIVALENT SKETCH AND LANDSCAPE PLAN
BENEDICT FARM
 BUILDABLE LOTS 1 - 79, BUILDABLE PRESERVATION PARCEL 'A',
 NON-BUILDABLE PRESERVATION PARCELS 'B' THRU 'D' AND
 NON-BUILDABLE BULK PARCELS 'E' THRU 'L'

ZONING: RC-DEO
 TAX MAP NO. 29 GRID Nos. 3, 8, 9, 10, 14, 15 & 16 PARCEL No. 28
 THIRD ELECTION DISTRICT HOWARD COUNTY, MARYLAND



Signed 1/3/03