

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 Vineyards at Cattail Creek LOT NO. 6 and 7

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' (15)
 Red Br
 Cl Loam
 3.5'
 Or Br Sa
 Cl Loam
 6'
 Red Br
 Sa Loam
 ~ 10%
 Rock
 10'
 Mottling
 11'
 Caved
 In
 17.5' Water

(16)
 Red Br
 Cl Loam
 3.5'
 Or Br
 Cl Loam
 4.5'
 Light Br
 Sa Loam
 ~ 10% Rock
 Unable to
 Distinguish
 Mottling
 12'
 Caving
 13'
 Water
 13.5'

(17)
 Or Br
 Sa Cl
 Loam
 3.5'
 > 50%
 Rock
 Undiggable
 in Sections
 of Hole
 11'

SOIL PROFILE

0' (18)
 Or Br
 Sa Cl
 Loam
 4'
 Light Br
 Sa Loam
 20-30%
 Rock
 14'
 ~ 40%
 Rock
 16.25' Dry

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9/14/01	15	4' / 17.5'	11:19	11:26	11:26	11:39	13
	~ 7'	Lower Than 8					
	16	3.5' / 13.5'	11:55 - Pulled				Slow
		50"	12:08 - Pulled				Slow
		~ 1/4" in	16 minutes				
	17	11' V	Will Perc Fast at Shallow Depths (F)				
	18	2' / 16.25'	1:38	1:44	1:44	1:59	15
		4.5'	2:30	2:33	2:33	2:37:30	4 1/2

REMARKS _____

TYPE OF SOIL _____

TESTED BY _____ ALSO PRESENT _____

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

TEST DATA

NAME

FILE NO

LOCATION

Vineyards at Cattail Creek

COUNTY

Lot 6 - Mound Closest to

DATE _____

10/30/01

Front of Lot - Mound 1

GRID

RECORDED BY

B. Baker

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
1	① Perc - 20"	21"	10:46	0	7"	<u>Leaking</u> poor seal
			11:02	16	6 1/16"	
			11:18	16	5 9/16"	
			11:34	16	5 1/4"	
			11:49	15	4 15/16"	
			12:04	15	4 10/16"	
			12:19	15	4 6/16"	
					<u>~ 46 mpi</u>	
					<u>~ 46 mpi</u>	
2	Perc Test - 23"	22"	11:00	0	7"	<u>Leaking slightly,</u> Damp around infiltrometer
			11:16	16	6 17/32"	
			11:32	16	6 5/32"	
			11:48	16	5 14/16"	
			12:02	15	5 21/32"	
			12:20	18	5 13/32"	
			12:51	31	5 1/32"	
			1:06	15	4 13/16"	
			1:22	16	4 10/16"	
			1:37	15	4 15/32"	
			1:57	20	4 4/16"	
			2:19	22	4 1/32"	
					<u>~ 180 mpi</u>	
					2:37 18 3 27/32	
					2:52 15 3 23/32	

1	20"-21"	12:34	0	7"	Retest
		12:48	14	6 ³ / ₁₆ "	
		1:05	17	5 ⁸ / ₁₆ "	
		1:21	16	5"	Leaking Slightly,
		1:36	15	4 ⁹ / ₁₆ "	Damp Around
		1:56	20	4 ² / ₁₆ "	Outside
		2:18	22	3 ¹¹ / ₁₆ "	
		2:36	18	3 ⁶ / ₁₆ "	
		2:51	15	3 ³ / ₁₆ "	
		3:12	21	2 ¹⁴ / ₁₆ "	
		3:37	25	2 ⁸ / ₁₆ "	
		3:58	21	2 ⁴ / ₁₆ "	

530-382

TEST DATA

NAME _____	FILE NO _____
LOCATION <u>Vineyards at Cattail Creek</u>	COUNTY _____
<u>- Lot 7 Mound</u>	DATE <u>10/30/01</u>
RECORDED BY <u>B. Baker</u>	GRID _____ E N

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
6		17"	1:33	0	7"	Damp Around Outside <u>No Good</u> Perc Stick
			1:49	16	4 11/16"	
		20"	2:04	0		
			2:15	11	1"	
			2:28	13		
7		19"	2:27	0	7"	Perc Stake
			2:43	16	6 1/16"	
			2:57	15	5 1/16"	
			3:15	18	5 7/32"	
			3:30	15	4 29/32"	
			3:50	20	4 15/32"	
		21"	2:46	0		
			2:53	7"		
			3:06	2"		
			3:29	2"		

TEST DATA

NAME _____	FILE NO _____
LOCATION <u>Vineyards at Calfail Creek</u>	COUNTY _____
<u>Mound 2, Lots 6+7</u>	DATE <u>10/30/01</u>
RECORDED BY <u>B. Baker</u>	GRID _____
	E _____
	N _____

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
5		21"	12:16	0		Perc Stick
			12:44	28	1"	Lot 6 Lot 7
			2:21	<u>~97 mps</u>	2"	(5) (4) (3)
		20"	3:10	0		Perc Stick
			3:33	23	1"	
			4:23	<u>~50 mps</u>	2"	

NO 7
AS 8225MM

Now (35)

See other Note 1 hole #4371
#4375 on other side of fence of fence

COUNTY #
LOT 33
SOIL PROFILE

0' Hole ①

0' to 1'
Clay
1 to

Bottom

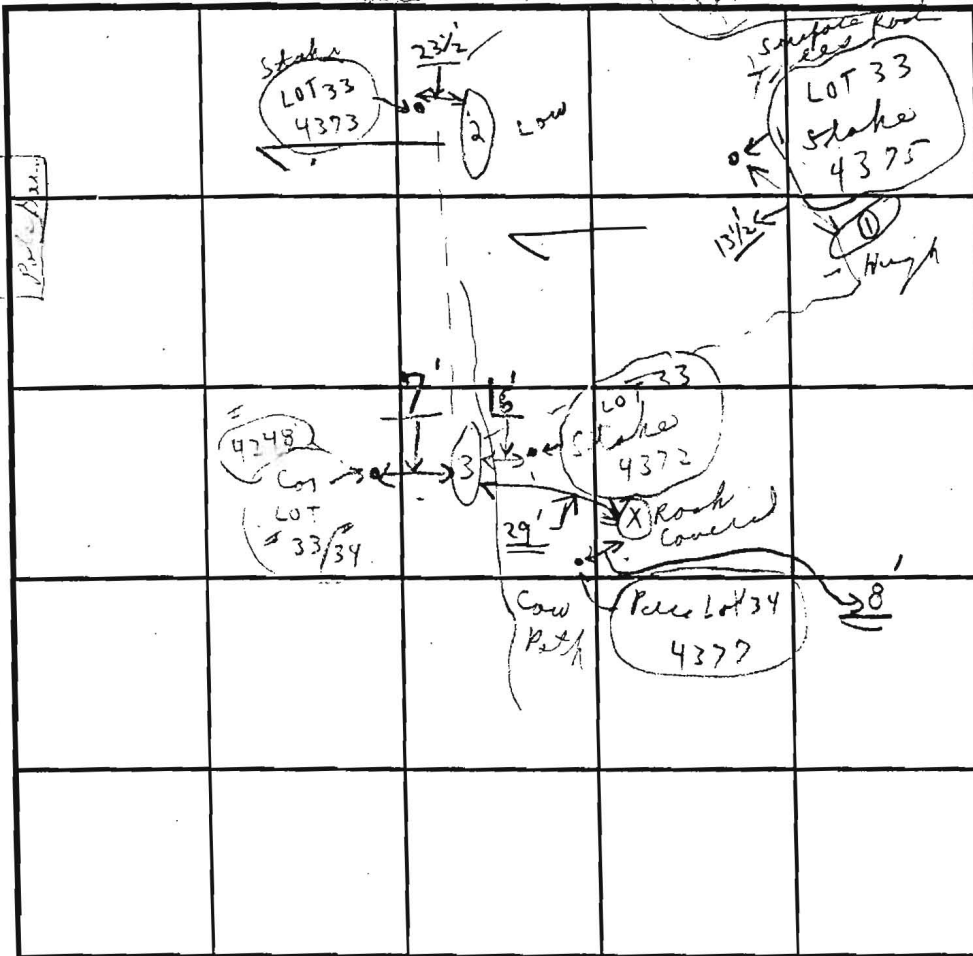
Note ②

0' to 1'
1 to

Hole ③

0' to 1'
1 to

Bottom
10



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9/20/94	①	5 1/2'	10:28	10:30	10:30	10:36	5 min
	# 4375	9'	55%	Loam	45%	small rock	5 min
	②	4'-10"	10:33	10:35	10:35	10:38	2 min
	#	10'	95%	Loam	some sand	5%±	5%±
	①+③ → ③	4 1/2'	10:40	10:41	10:41	10:44	3 min
	Similar to ① # 4378 4372	10'	55%+	Loam	45%	small rock	5 min
	④	'	:	:	:	:	
	#	'					

REMARKS 9/20 Tests in open ; tests per stake

TYPE OF SOIL Loam

TESTED BY C. K. R.

ALSO PRESENT

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 3

TRENCH WIDTH 3

INLET DEPTH 3 1/2

MAXIMUM BOTTOM DEPTH 5

SQ. FT./BEDROOM

780 210 per CW

A50225MM

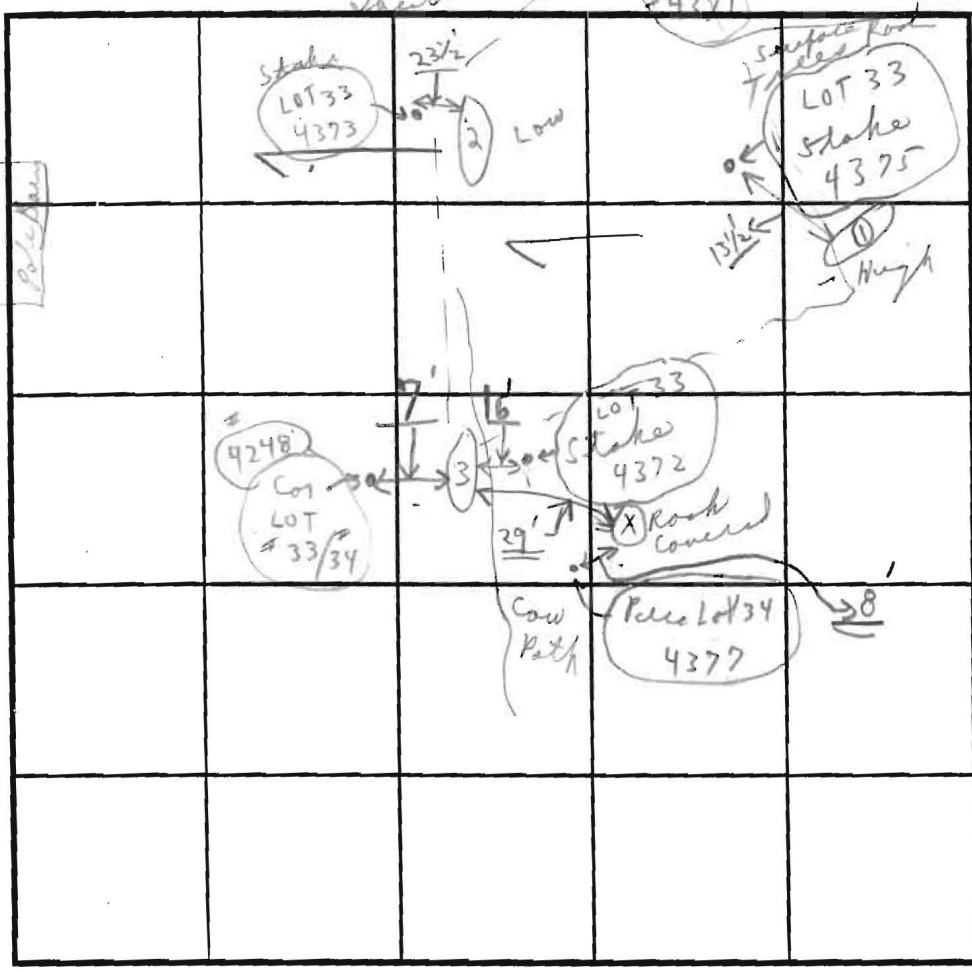
Now (35)

See other sheet

Note 1 hole #4371, 4372, 4373, 4374, 4375 on other side of fence of previous test

COUNTY #
LOT 33
SOIL PROFILE

0' to 1' to Bottom



SOIL PROFILE
Hole (4)

0' to 1' to Bottom

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9/20/94	①	5 1/2'	10:28	10:30	10:30	10:36	5 min
	# 4375	9'	55%	LOAM	45%	small rock	soybean leaves & roots seen
	②	4'-10"	10:33	10:35	10:35	10:38	2 min
	#	10'	95%	Loam	some sandstone		58±
	①+③ → ③	4 1/2'	10:40	10:41	10:41	10:44	3 min
	# 4248 4372	10'	55%+	Loam	45%	small stone or sandstone	
	④	'	:	:	:	:	
	#	'					

REMARKS 9/20 Tests in open ; tests per stake
TYPE OF SOIL LOAM
TESTED BY C. B. K. ALSO PRESENT {Mark Ketch} 2 layers
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 3 TRENCH WIDTH 3
INLET DEPTH 3 1/2 MAXIMUM BOTTOM DEPTH 5 SQ. FT./BEDROOM 780 210 per cu

Hole (3)
0' to 1' to Bottom
10

APPLICATION

PERCOLATION TESTING

A 58225MM

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 Mario Mannarell

ADDRESS C/O Land Design Development
12805 Hickory Ridge Rd PHONE 740-2100

AGENT OR PROSPECTIVE BUYER Dana Reich

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Vineyards at Cattail Creek LOT NO. ~~33~~ 6

ROAD AND DESCRIPTION Route 97

TAX MAP 21 PARCEL # 2,132,220 + 211

SIZE OF LOT 1 ± acres TYPE BLDG. SFD
(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. Maryal Reich
(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. # SP 96-11 DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # F 96- DATE _____

THIS IS NOT A PERMIT

APPLICATION

PERCOLATION TESTING

A _____

P _____

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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

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PROPERTY OWNER _____

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Vineyards at Cattail Creek LOT NO. 6 and 7

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
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COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. _____

(SIGNATURE OF APPLICANT)

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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

(23)

0' Or Br Sa
Cl Loam

4' Light Br
Si Loam
10-20%
Rock

8.5' Pockets of
> 50%
Rock
Hard
Bottom

14'

(24)
Red Or Br
Sa Cl Lm
Or Br Sa
Cl Loam

2.6'

4.5' Light Br
Sa Loam
~10% Rock

7.5' Pockets
of 7
50%
Rock

10.5'

(25)
Red Or
Br Sa Cl
Loam
Light Br
Sa Loam

3'-4'

6' Pockets
of > 50%
Rock

12.5'

SOIL PROFILE

(26)

0' Red Br
Sa Cl Loam

3' Or Br
Sa Cl
Loam

8' Med Br
Sa Loam

6.5' Pockets
of > 50%
Rock

11.5'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/10/01	23	32"/14'V	11:45	11:52	11:52	12:03	11
	24	32"/10.5'	11:59	12:10	12:10	12:30	20
	25	8'/12.5'V	12:43:15	12:44:45	12:44:45	12:47:15	2 1/2 (F)
	26	19"/11.5'V	1:43	1:48	1:48	1:59	11 (F)
	27	14'V	Good Below 3'-4', Possible Mottling at 12.5'-13'				
	28	12.5'V					OK

REMARKS _____

TYPE OF SOIL _____

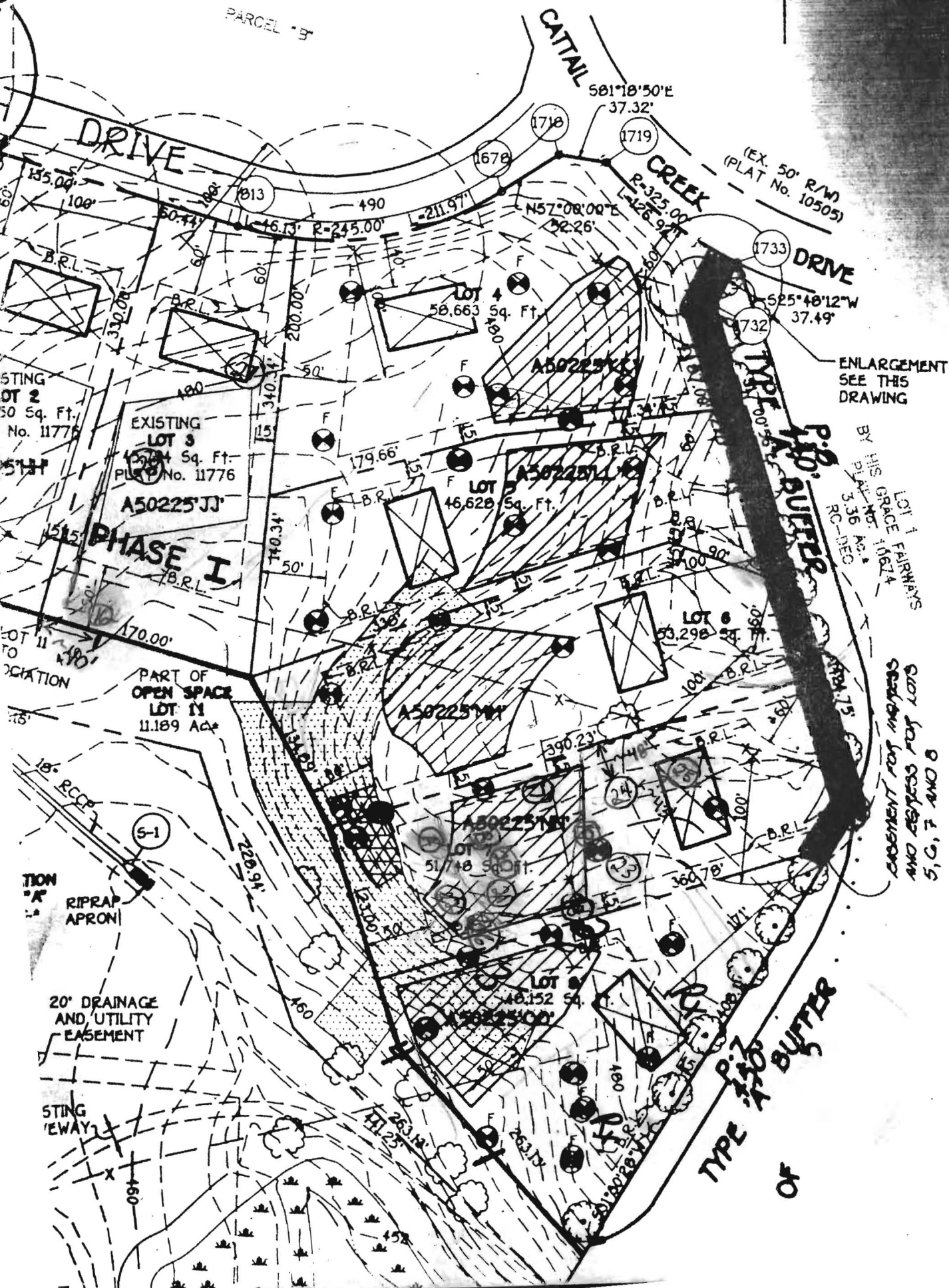
TESTED BY _____ ALSO PRESENT _____

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

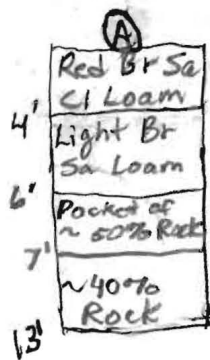
INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

SP 96-11

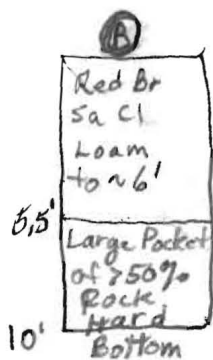
MARYLAND
GAS



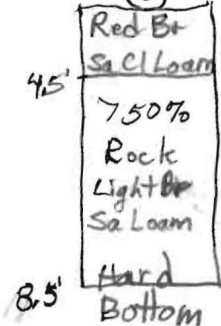
OK



F

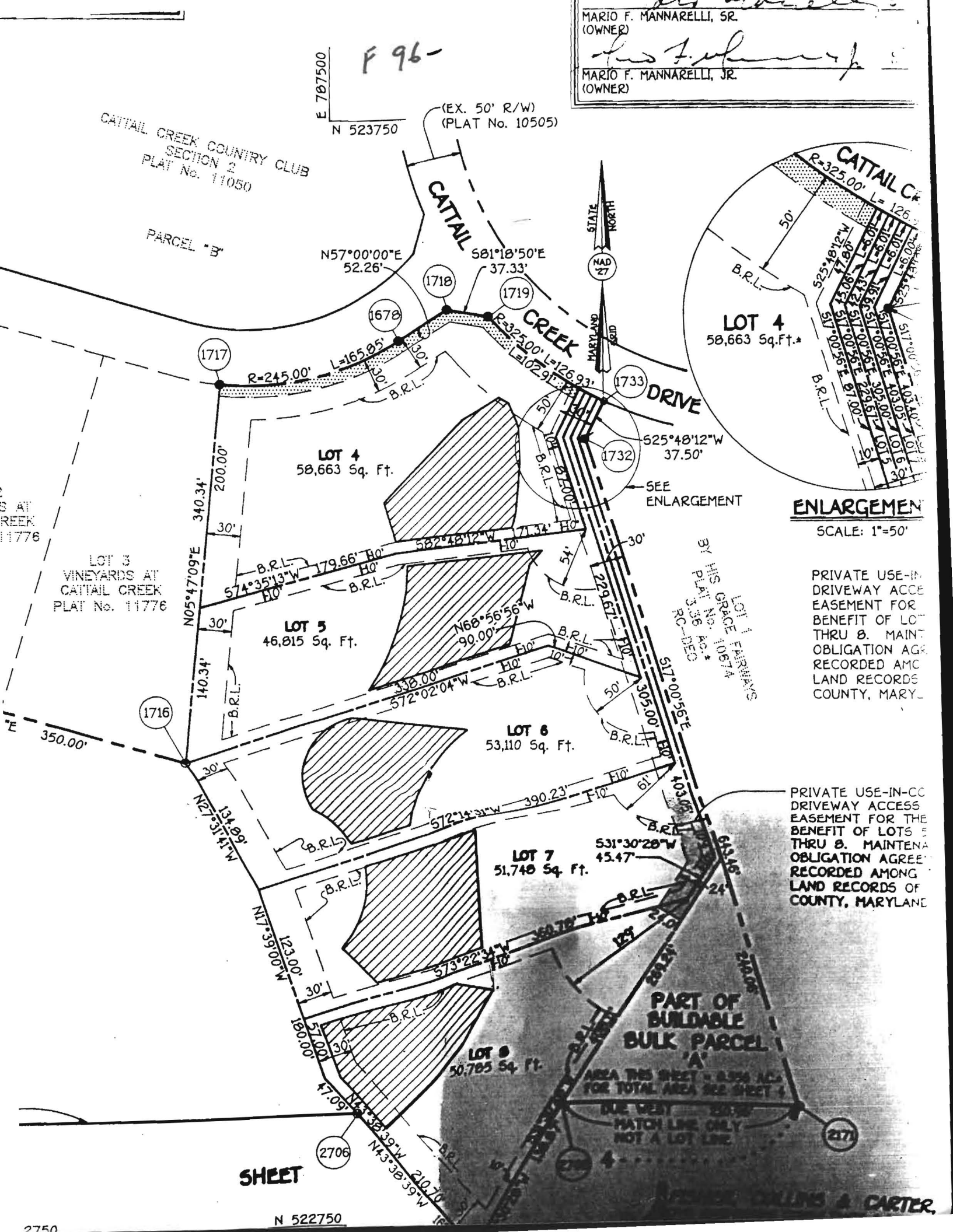


C



MARIO F. MANNARELLI, SR.
(OWNER)
[Signature]
MARIO F. MANNARELLI, JR.
(OWNER)

F 96-



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 _____

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TO: THE COUNTY HEALTH OFFICER
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PROPERTY OWNER _____

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Vineyards at Cattail Creek LOT NO. 6 and 7

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
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(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' (19)
 Red Br
 Sa Cl Loam
 2.5'
 Or Br Sa
 Cl Loam
 4.5'
 Yellow Br
 Sa Loam
 5.5'
 Pocket of
 >50% Rock
 8.5'
 30-40%
 Rock
 13.5'
 Pocket of
 >50% Rock
 16'

(20)

Or Br
 Sa Cl
 Loam
 3'-3.5'
 Light Or
 Br Sa Loam
 Pockets
 of >
 50%
 Rock
 Below
 3.5'

12'

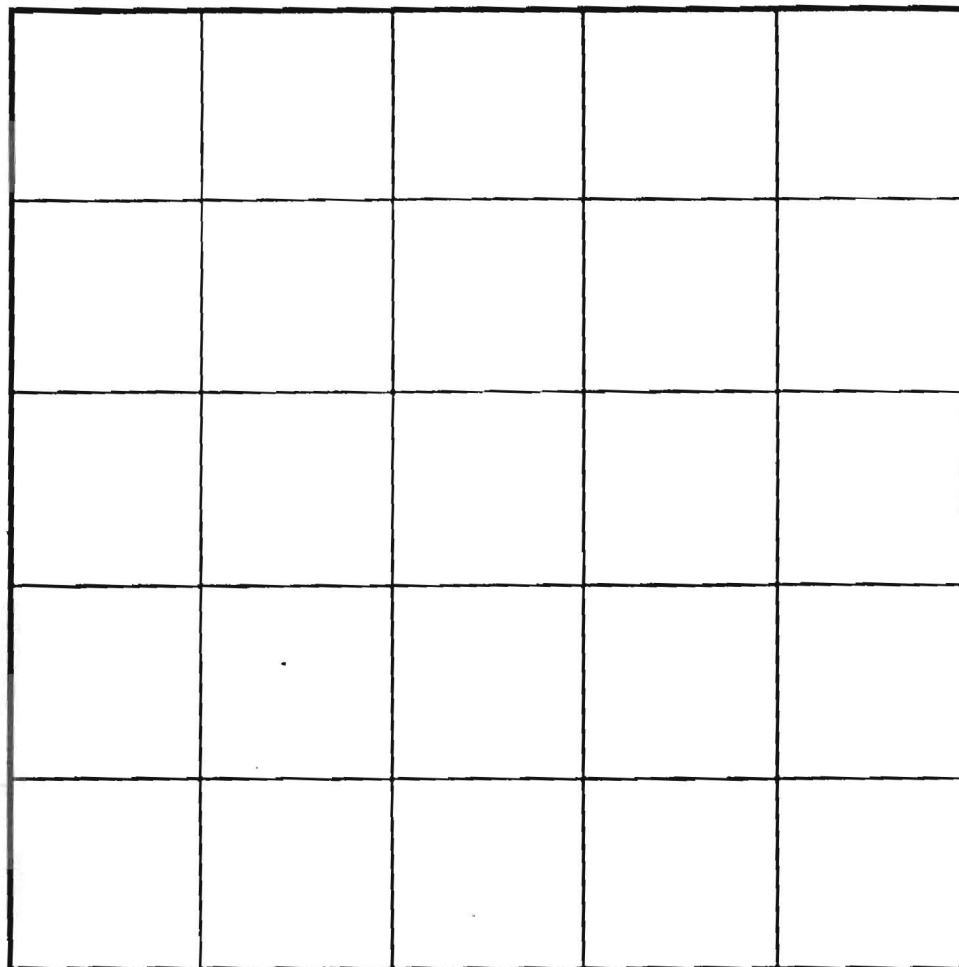
(21)

Red Br Sa
 Cl Loam
 2.5'
 Or Br Sa
 Cl Loam
 4'
 Light Br
 Sa Loam
 Pockets
 of >50%
 Rock
 Below
 6'

12'

SOIL PROFILE

0' (22)
 Or Br
 Sa Cl
 Loam
 3'
 Light
 Br Sa
 Loam
 7.5'
 >50%
 Rock
 12'
 Hard
 Bottom



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9/14/01	19	3.5'/16'V	2:18	2:21	2:21	2:26	5 OK
	20	12'V					(F)
	21	12'V					(F)
	22	12'V	May Be Usable But Surrounding Holes Don't Look Good				

REMARKS _____

TYPE OF SOIL _____

TESTED BY _____ ALSO PRESENT _____

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

LOT: 1 FAIRMANS
GRACE 10674
HIS PLAT. NO. AC. 3.36
BY PLAT. NO. 3.36 DEC

agreement for members
and express for lots
5, 6, 7 and 8

Red Br	Sacilliman	Rocky to	4.5'	Gravel Br	Silliman	750% Red
--------	------------	----------	------	-----------	----------	----------

(14) $> 50\%$ a + b'
(15) $> 50\%$ Rock 4'

SP. 96. 11

15.35' 35-40' 35-40' 12.5' Getting Rock i

Red Br	5A
CL	Loam

Light Br
Loam

5-10%	Rock
-------	------

Damp

17.45' 12.45' 12.5' 12.5' Getting Rock i

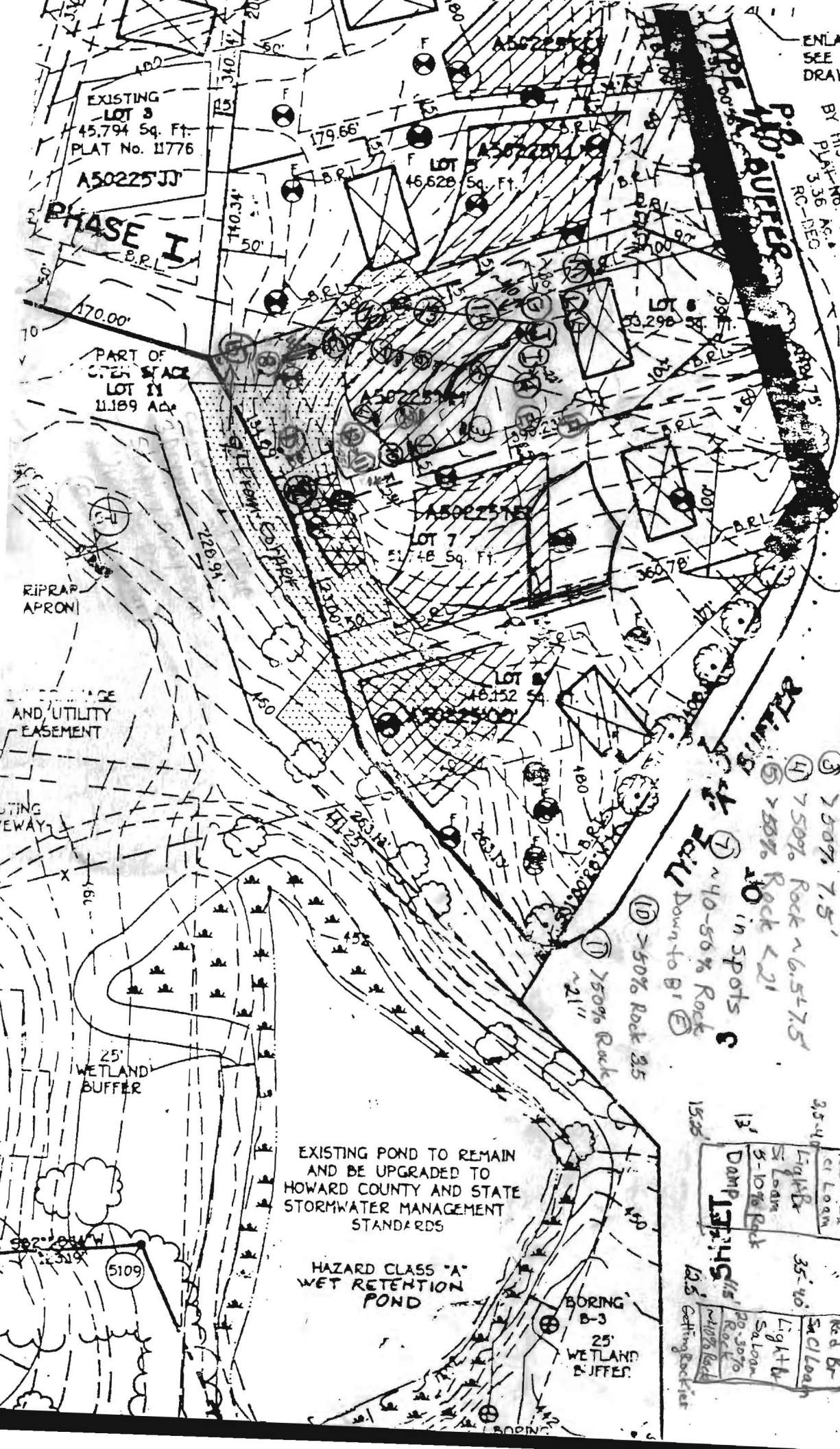
Red Br	5A
CL	Loam

Light Br
Loam

20-30%	Rock
--------	------

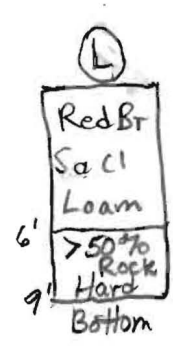
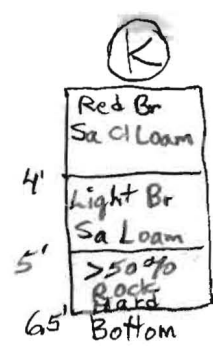
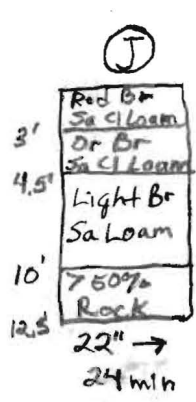
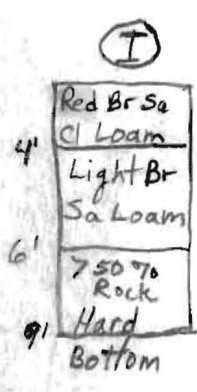
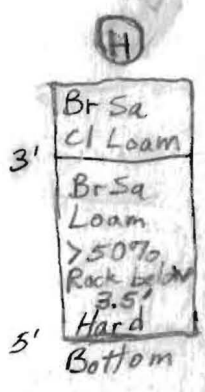
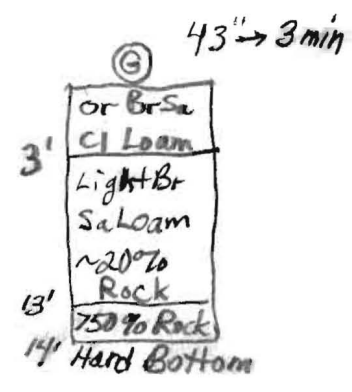
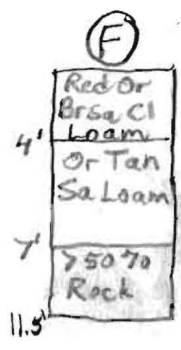
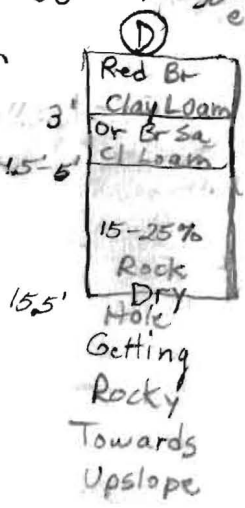
Wet

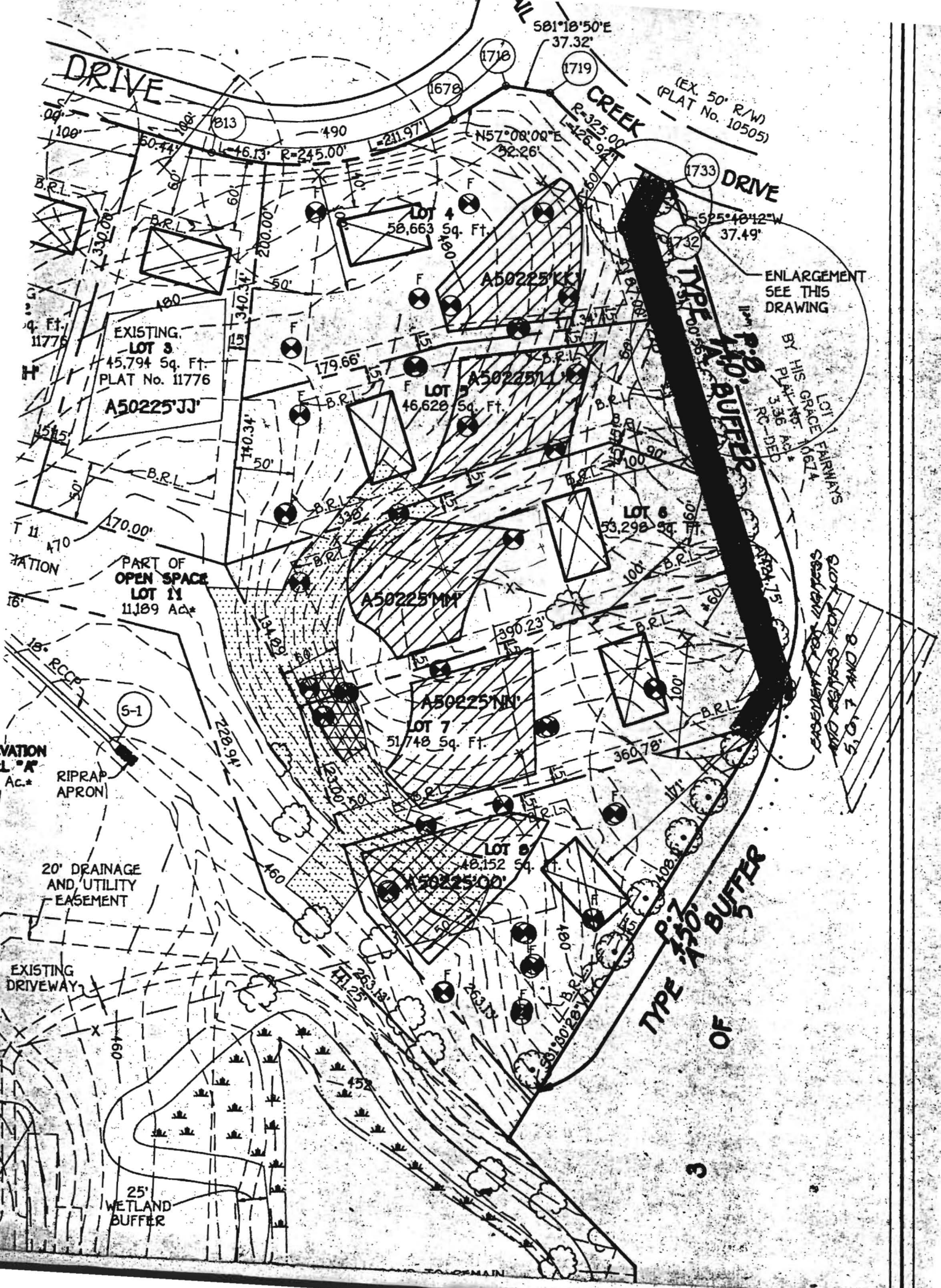
40%	Rock
-----	------



38" → ~30-40 minutes estimate

4' - 12 min
5' - 4 min





TEST DATA

NAME _____ FILE NO. _____

LOCATION Vineyards at Cattail Creek COUNTY _____

Mound 2, Lots 6+7 DATE 10/30/01

RECORDED BY B. Baker GRID _____ E _____ N _____

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
3		22"	11:26	0	0	Perc Stick
			11:50	14	1"	
			12:35	45	2"	Lot 6 Lot 7
		Repour	12:45		3"	
			1:44	59		③ ④ ⑤
4		22"	11:51	0	7"	
			12:06	15	5 15/16"	
			12:27	21	4 15/16"	
			12:42	15	4 7/16"	
			12:57	15	3 31/32"	
			1:12	15	3 9/16"	
			1:27	15	3 4/16"	
			1:42	15	2 29/32"	Leaking slightly, Damp Around Outside <u>No Good</u>



TOPO WORKSHEET
VINEYARDS AT CATTAIL CREEK
LOTS 6 & 7

CHARLES R. CROCKEN & ASSOCIATES, INC. Civil Engineering Land Planning	
P.O. BOX 307 WESTMINSTER, MD 21157 Tel. (410) 545-2108	
TAX MAP	PARCEL
DESIGNED BY:	
DRAWN BY:	
PROJECT NO.	
DATE	
SCALE 1" = 30'	
DRAWING NO. 07	