

1/21/98 - 4/20
5/19/98 - 5/22

APPLICATION

PERCOLATION TESTING

A 49914
P _____

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

56 LOTS
EXISTING HOUSE(S) - W6603-5607/CS
TO 1ST BE LIMITED
4 DAYS FOR PERMITS
WET SEASON TESTING
4 DAY FOR
FOLLOW-UP TESTING
will properly submit
FEE'S &
IMPROVE PLAN/
APPLICATION (CW)

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

4/21 - 4/24
5/19 - 5/22

DISTRICT _____
DATE 4/13/99

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER ALFRED KNAPP

ADDRESS MONTICELLO AVE. / SYKESVILLE PHONE 410-465-4242

AGENT OR PROSPECTIVE BUYER CLARK SPERRY / SDC GROUP

ADDRESS 8480 Ballenger Neck Pike PHONE 410-465-4244

PROPERTY LOCATION:

SUBDIVISION Knapp Prop. LOT NO. _____

ROAD AND DESCRIPTION M

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] SECURITY DIV.
(SIGNATURE OF APPLICANT)
STEWART SHIPLE - TSA

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

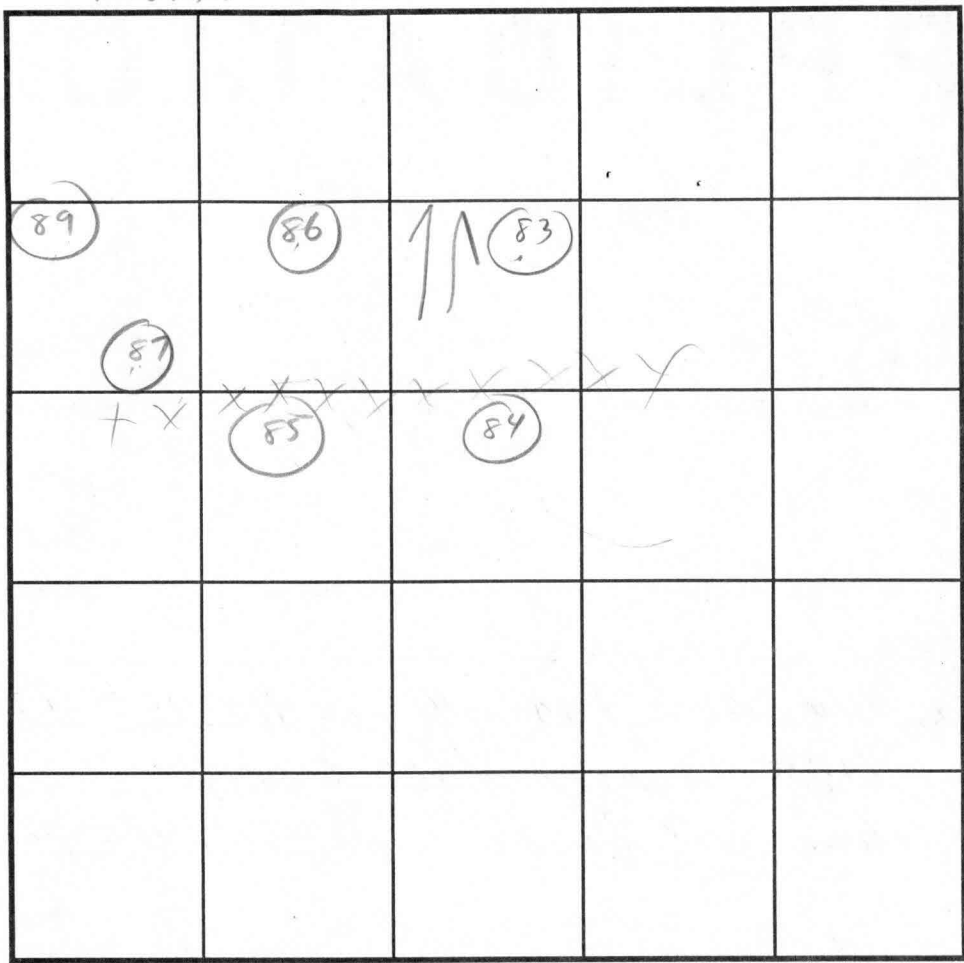
A 59914/5
COUNTY #

KNAPP SUBV.

SOIL PROFILE
87
0'
4 1/2'
CLAY
SANDY
SILT
LOAM
11'

85
4'
CLAY
ORANGE
SANDY
CLAY
LOAM
5%
SAPROLITE
11'

84
4'
CLAY
SANDY
SILT
LOAM
5%
SAPROLITE
+ 8-10%
DOUGLAS
10 1/2'



SOIL PROFILE
89
0'
8 1/2'
CLAY
SANDY
SILT
LOAM
10%
ROCK
11'

87-A
3.5'
orange
Clay lm
orange/
tan
sclm
15% rx
frags
12.0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/21/98	87	VIS	OK 4 1/2'	-11'			✓
	85	4 1/2'	2:53	2:55	2:55	2:58	3MIN ✓
	84	4'	2:57	3:00	3:00	3:07	7MIN ✓
	89	4'	3:38	slow	-VIS	OK BY 5'	
7.21.98	87-A	4.0'S	1:2830	1:2930	1:2930	1:3130	2min
		12.0'D	Visual ok - see profile				

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

4/21/98 - 4/28
&
5/19/98 - 5/22

APPLICATION

PERCOLATION TESTING

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

56 LOTS
EXISTING HOUSE(S) - WELLS - 5607/CS
TO BE ELIMINATED
4 DAYS FOR PERMITS
WET SEASON TESTING
4 DAY FOR
FOLLOW-UP TESTING
will PROBABLY SUBMIT
FEES &
IMPROVED PLAN/
APPLICATION (CW)

A 49914
P PH

DATE 4/3/98

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 ALFRED KNAPP

ADDRESS MONTICELLO AVE. / SYKESVILLE PHONE 410-465-4244

AGENT OR PROSPECTIVE BUYER CLARK SPERRY / SOC GROUP

ADDRESS 8480 Ballerina Not. PIKE PHONE 410-465-4244

PROPERTY LOCATION:

SUBDIVISION Knapp Prop. LOT NO. _____

ROAD AND DESCRIPTION M

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] SECURITY DIV.
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR STEW SHIPLE - TSA 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 _____

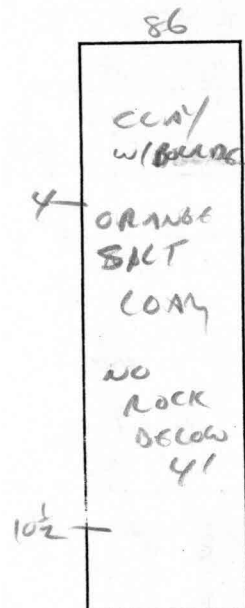
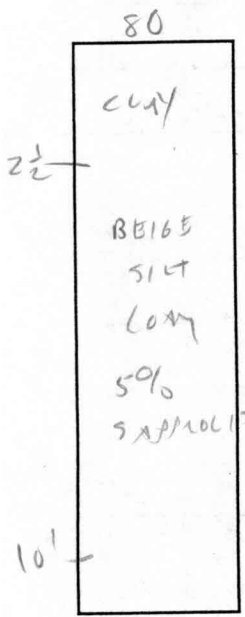
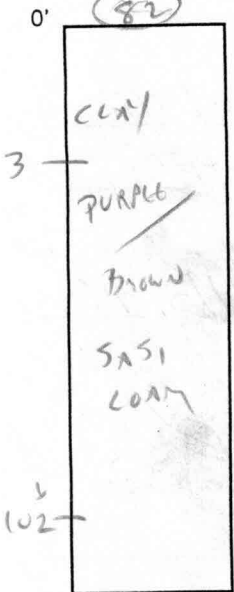
THIS IS NOT A PERMIT

A59914/5

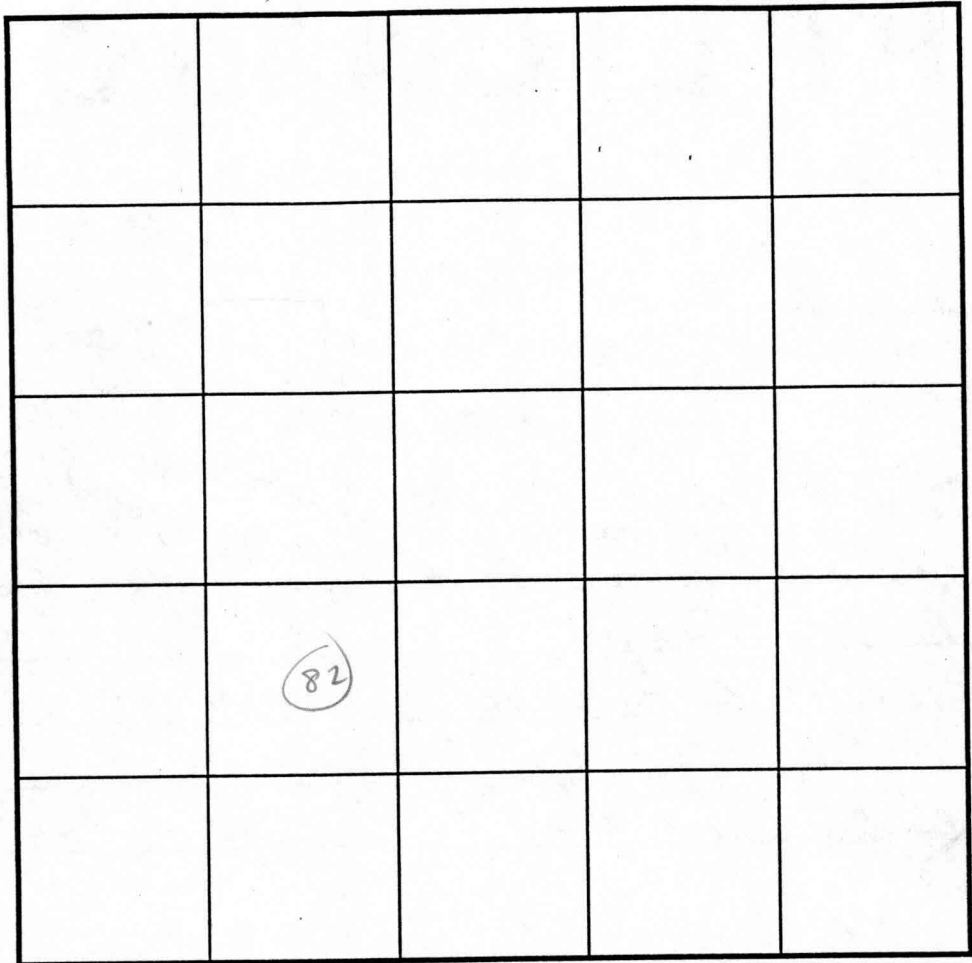
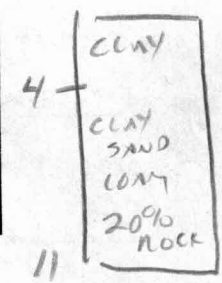
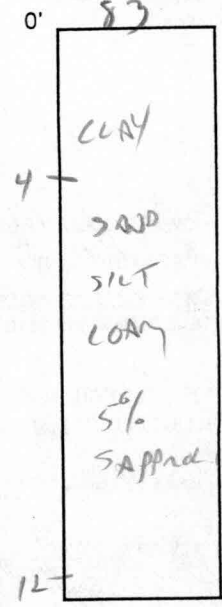
KNAPP SUBD.

COUNTY #

SOIL PROFILE



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/21/98	82	4	3:02	3:06	3:06	3:11	5 MIN
	80	3 1/2	2:58	3:00	3:00	3:02	2 MIN
	86	4 1/2	3:40	3:42	3:42	3:45	3 MIN ✓
		12" - 20" QUARTZITE BOULDERS IN UPPER 2'					
	83	4 1/2	3:44	3:47	3:47	3:50	3 MIN ✓
	81	4	3:53	3:56	3:56	4:01	5 MIN

REMARKS _____

TYPE OF SOIL _____

TESTED BY C. Willh ALSO PRESENT SPERRY

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

4/21/98 - 4/28
&
5/19/98 - 5/22

APPLICATION

PERCOLATION TESTING

A 59914

P _____

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

5-6 LOTS
EXISTING HOUSE(S) - W6603-5607165
TO BE ELIMINATED
4 DAYS FOR PERMITS
WET SEASON TESTING
4 DAY 150A
FOLLOW-UP TESTING
DATE 4/3/98
will provide submit
FEES &
improved plan/
APPLICATION (CW)

DISTRICT _____

DATE 4/3/98

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 ALFRED KNAPP

ADDRESS MONTICELLO AVE. / SYKESVILLE PHONE 410-465-4242

AGENT OR PROSPECTIVE BUYER CLARK SPERRY / SOC GROUP

ADDRESS 8480 BALLHORN NOT. PIKE PHONE 410-465-4244

PROPERTY LOCATION:

SUBDIVISION Knapp Prop. LOT NO. _____

ROAD AND DESCRIPTION M

TAX MAP _____ PARCEL # _____

SIZE OF LOT _____ TYPE BLDG. _____
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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[Signature] SECURITY DIV.
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR STEVE SHIPLE - TSA 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

311

0'
or/br
clay
loam
3.0'
tan/
orange
sandy
clay
loam
mica
11.0'
↓

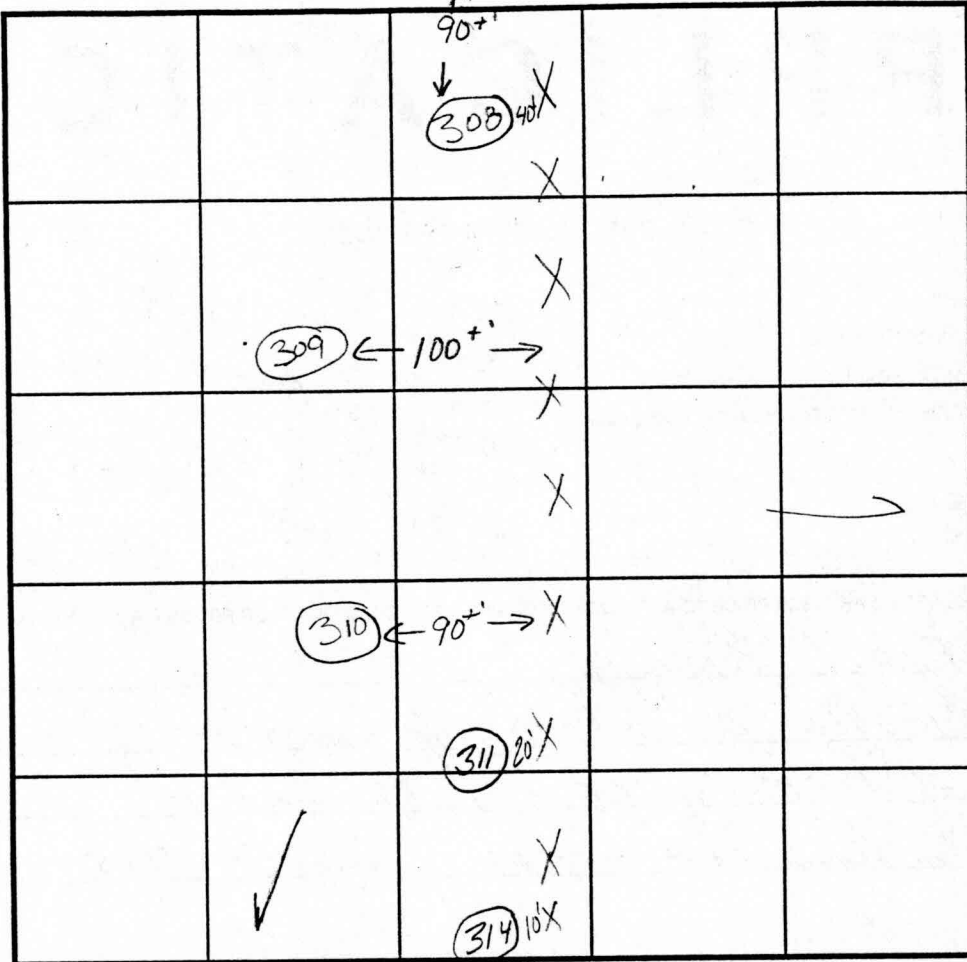
310

3.5'
or/br
cl m
tan/or
sandy
clay
loam
mica
10-15%
shale frags
11.0'
↓

309

4.0'
or/br
cl m
tan
pink
silty
clay
loam
mica
(powdery)
11.5'
↓

↑
90'



SOIL PROFILE

300

0'
or/br
clay
loam
3.0'
tan/
pink
silt m
15%
rock
frags
11.0'
↓

314

3.0'
or/red
cl m
tan/or
sandy
clay
loam
12.0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5.19.98	311	3.5'S	11:34 ⁴⁵	11:36 ⁴⁵	11:39 ⁴⁵	11:39 ¹⁵	2:30
		11.0'D	visual	ok - see profile			
	310	11.0'D	visual	ok - see profile			
	309	3.5'S	11:45 ²⁰	11:50	11:50	11:57	7 min
		11.5'D	visual	ok - see profile			
	308	11.0'D	visual	only - ok see profile			
	314	3.0'S	11:28 ³⁰	11:29 ³⁰	11:29 ³⁰	11:32 ³⁰	3 min
		12.0'D	visual	ok - see profile			

REMARKS test holes staked

TYPE OF SOIL Kim Maiste

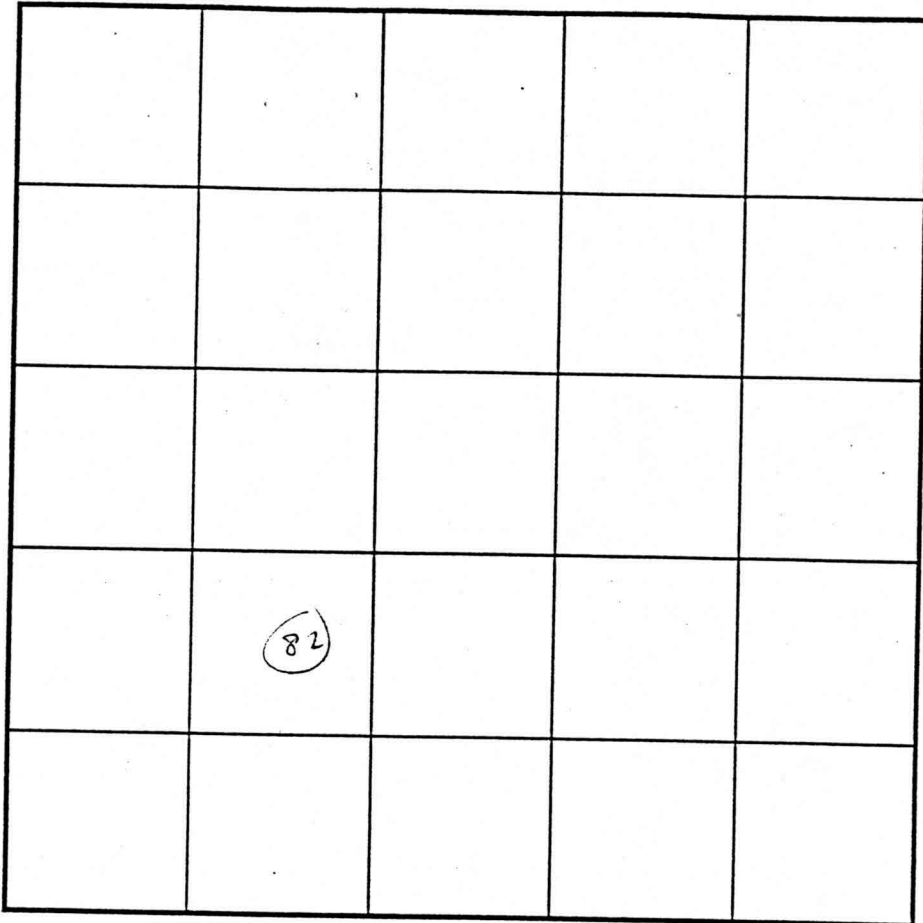
TESTED BY Kim Maiste ALSO PRESENT Clark Sperry

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

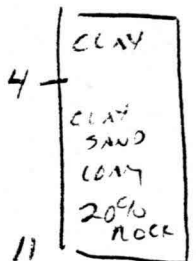
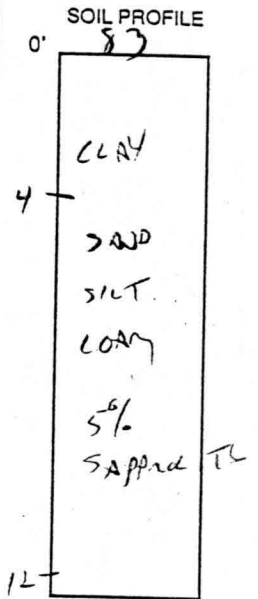
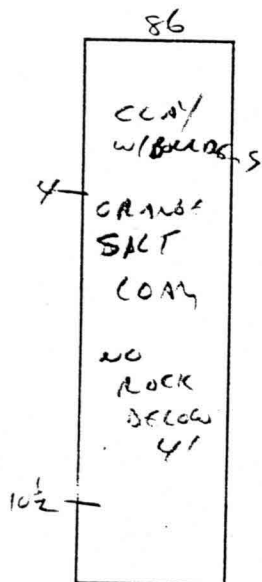
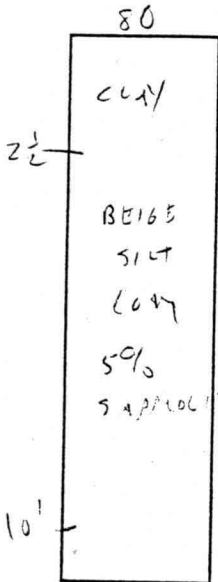
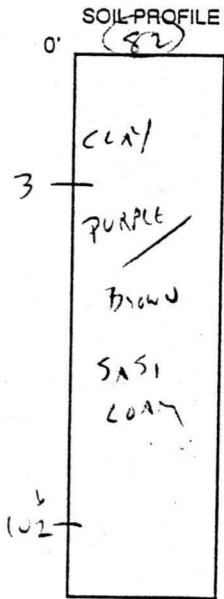
INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

A599.14/5
COUNTY #

KNAPP SUBD.



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

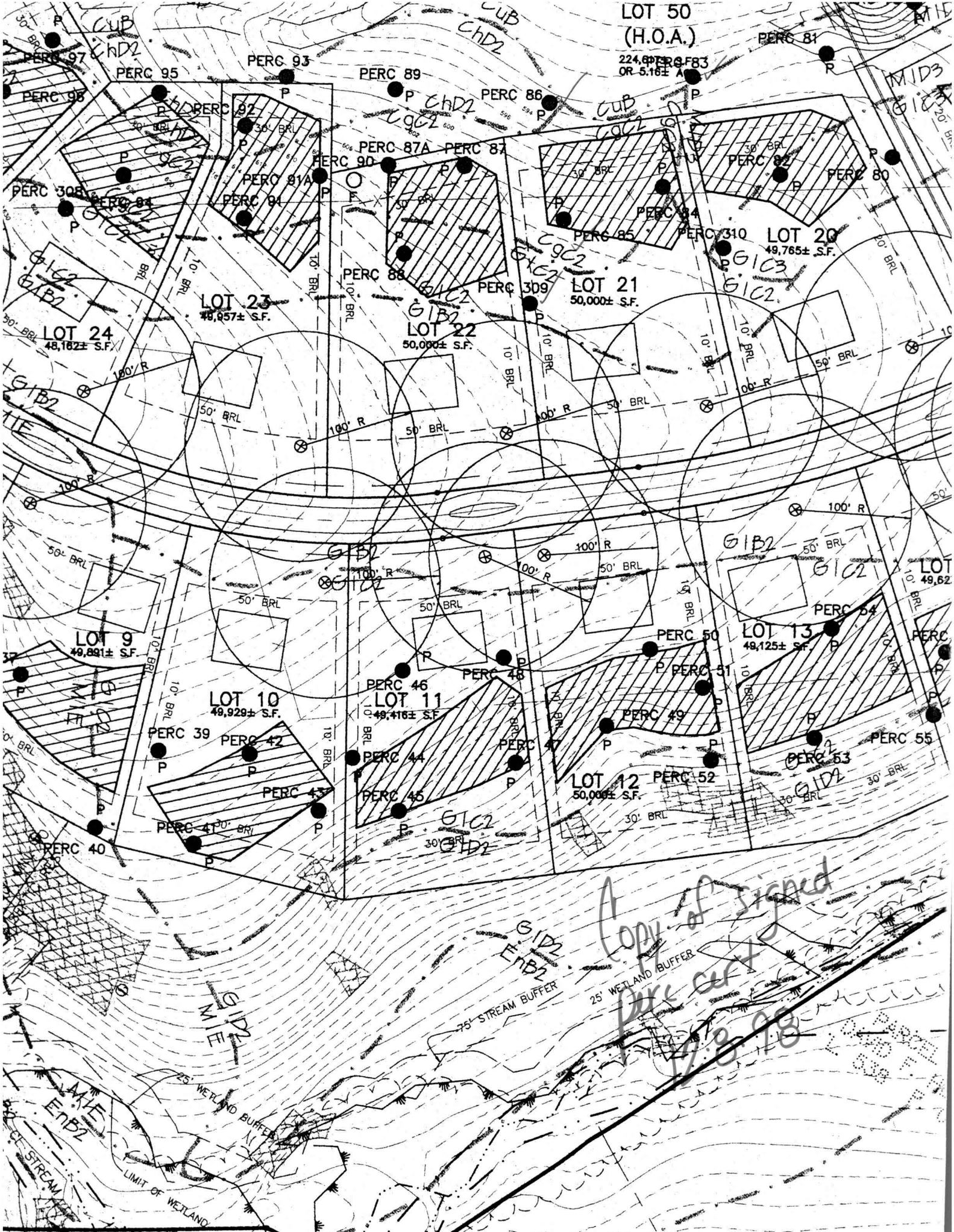


DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
4/21/98	82	4	3:02	3:06	3:06	3:11	5 MIN	
	80	3	2:58	3:00	3:00	3:02	2 MIN	
	86	4 1/2	3:40	3:42	3:42	3:45	3 MIN	
		12" - 20" GRANITE Boulders in upper 2'						
	83	4 1/2	3:44	3:47	3:47	3:50	3 MIN	
	81	4	3:53	3:56	3:56	4:01	5 MIN	

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

Perc Holes that correspond to Different
Lots For Knapp Property - (Lots 1-28)

<u>Lot # -</u>	<u>Perc Hole Numbers for Lot -</u>
1	1, 2, 2A, 3, 4, 5, 7C, 302
2	6, 7B, 7C, 8, 303
3	6, 8, 9, 10, 304
4	10, 11, 12, 13, 14, 305
5	13, 14, 15, 16, 17
6	15, 16, 18, 19, 306
7	18, 19, 20, 21, 22, 23
8	23, 24, 25, 26, 27
9	37, 38, 39, 40
10	39, 40, 41, 42, 43, 44
11	43, 44, 45, 46, 47, 48
12	47, 48, 49, 50, 51, 52
13	51, 52, 53, 54, 55, 56
14	55, 56, 57, 58
15	59, 60, 61, 62
16	62, 63, 64, 65, 317
17	69, 70, 71, 72, 314, 315, 315A, 316
18	72, 73A, 74, 312, 313, 314
19	78, 78A, 80, 311, 311A, 312, 313
20	80, 81, 82, 83, 84, 310
21	83, 84, 85, 86, 87, 309, 310
22	85, 86, 87, 87A, 88, 89, 90, 91A, 309
23	90, 91, 91A, 92, 93
24	91, 92, 94, 95, 96, 308
25	95, 96, 97, 101, 103, 308
26	100, 101, 102, 103, 105, 320
27	102, 318, 320
28	103, 104, 105, 106, 107, 108, 109



LOT 50
(H.O.A.)

224,800± S.F.
OR 5.16± A

PERC 81

PERC 89

PERC 86

PERC 87A PERC 87

PERC 82

PERC 80

LOT 23
48,957± S.F.

LOT 21
50,000± S.F.

LOT 20
49,765± S.F.

LOT 22
50,000± S.F.

LOT 24
48,182± S.F.

LOT 9
49,891± S.F.

LOT 10
49,929± S.F.

LOT 11
49,416± S.F.

LOT 13
49,125± S.F.

LOT 12
50,000± S.F.

PERC 39

PERC 42

PERC 44

PERC 45

PERC 46

PERC 48

PERC 50

PERC 51

PERC 49

PERC 52

PERC 55

PERC 53

PERC 54

PERC 40

PERC 41

PERC 43

GIB2

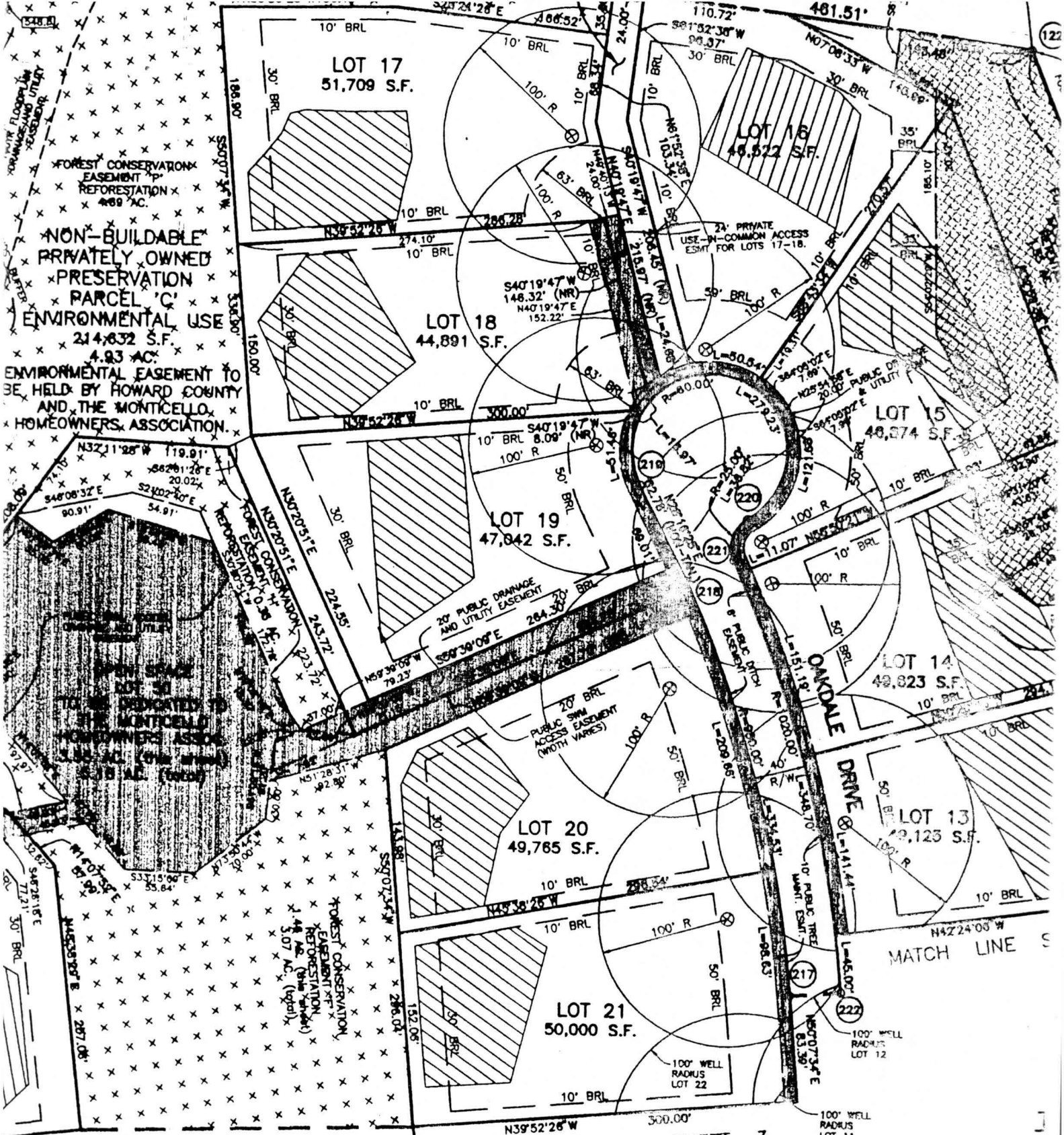
EMB2

75' STREAM BUFFER

25' WETLAND BUFFER

A copy of signed
perc cert
1/29/98

WETLAND BUFFER
LIMIT OF WETLAND



NON-BUILDABLE
PRIVATELY OWNED
PRESERVATION
PARCEL 'C'
ENVIRONMENTAL USE
214,632 S.F.
4.93 AC.
ENVIRONMENTAL EASEMENT TO
BE HELD BY HOWARD COUNTY
AND THE MONTICELLO
HOMEOWNERS ASSOCIATION.

FOREST CONSERVATION
EASEMENT FOR
REFORESTATION
4.93 AC.

FOREST CONSERVATION
EASEMENT FOR
REFORESTATION
4.93 AC. (Total Area)

MATCH LINE SEE SHEET 2

MATCH LINE SEE SHEET 3

LINE	BEARING	LENGTH	LINE	BEARING	LENGTH
FP1	S80°09'59"W	117.96'	FP7	N24°45'43"E	23.02'
FP2	S89°55'47"W	196.13'	FP8	N68°05'06"E	213.90'
FP3	S37°44'04"W	25.56'	FP9	N72°33'34"E	189.33'
FP4	N75°08'55"W	18.73'	FP10	N30°58'47"E	83.51'
FP5	S89°38'00"W	181.45'	FP11	N31°43'13"E	86.13'
FP6	N80°18'07"W	24.65'			

OWNER/DEVELOPER:

D. R. HORTON, INC.
SUITE 230
1370 PICCARD DRIVE
ROCKVILLE, MARYLAND 20850
410-465-4244

ENGINEER:

BENCHMARK ENGINEERING, INC.
8480 BALT. NATL. PIKE, SUITE 418
ELLCOTT CITY, MARYLAND 21043
410-485-8105