

# APPLICATION

14

## 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 Smith Property LOT NO. \_\_\_\_\_

ROAD AND DESCRIPTION Rt. 94

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

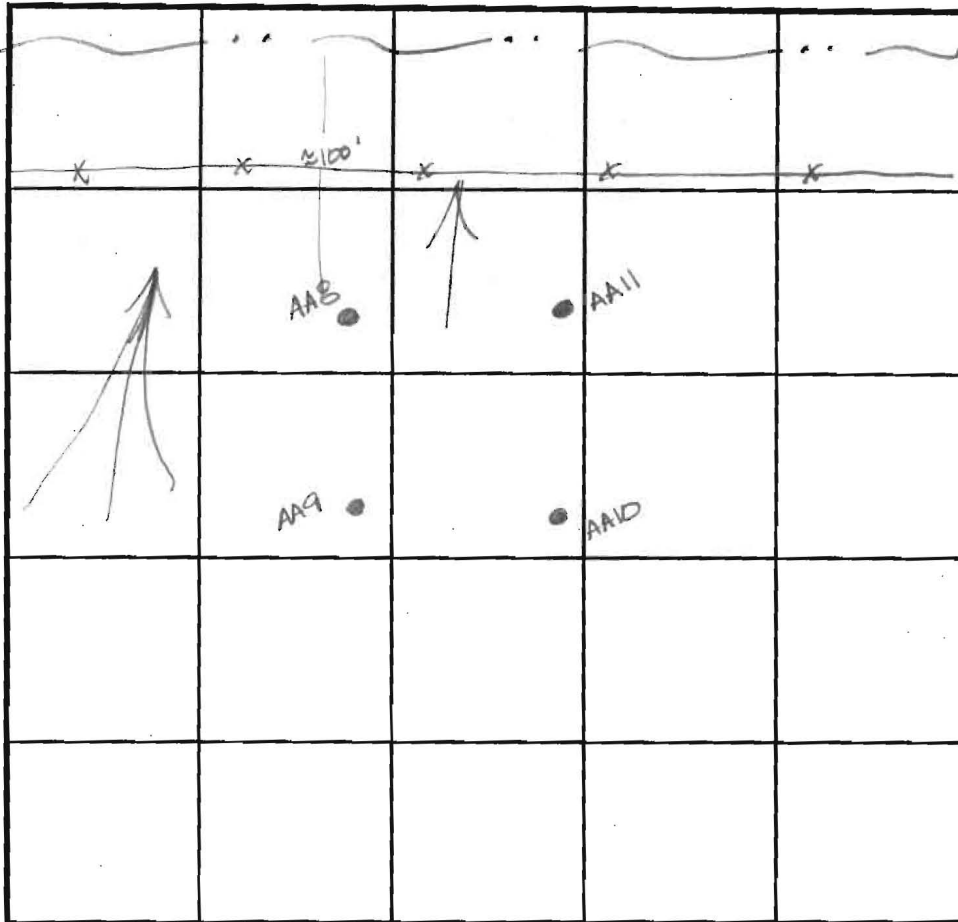
AA9  
no distinct clay layer  
lgt or matrix  
Salm  
strong saprolite structure but very weathered banded colors

AA8

face of fractured rock throughout hole 70%

AA11

no distinct clay layer  
40-50% Rx  
60-70% fract. rock



SOIL PROFILE-

AA10  
red brown silclm  
4.0  
dark red brn silm  
40-50% Rx  
7.0  
40% rock  
12.0

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
11-9-99	AA9	3.0 V120	2:27	2:40	2:40	3:52	12min	
	AA10	7.0 V120	2:43	2:44 <sup>30</sup>	2:44 <sup>30</sup>	2:46 <sup>15</sup>	2 1/4 min	
	AA11	insufficient depth to bedrock - see profile				_____	_____	F
	AA8	insufficient depth to bedrock - see profile				_____	_____	F

REMARKS Wet season would be needed for further eval - topo limits sand mound possibilities.  
 TYPE OF SOIL \_\_\_\_\_  
 TESTED BY Dave Kerr / Amy McMillan ALSO PRESENT Greg Filan  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_  
 INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

COUNTY #

SOIL PROFILE

600

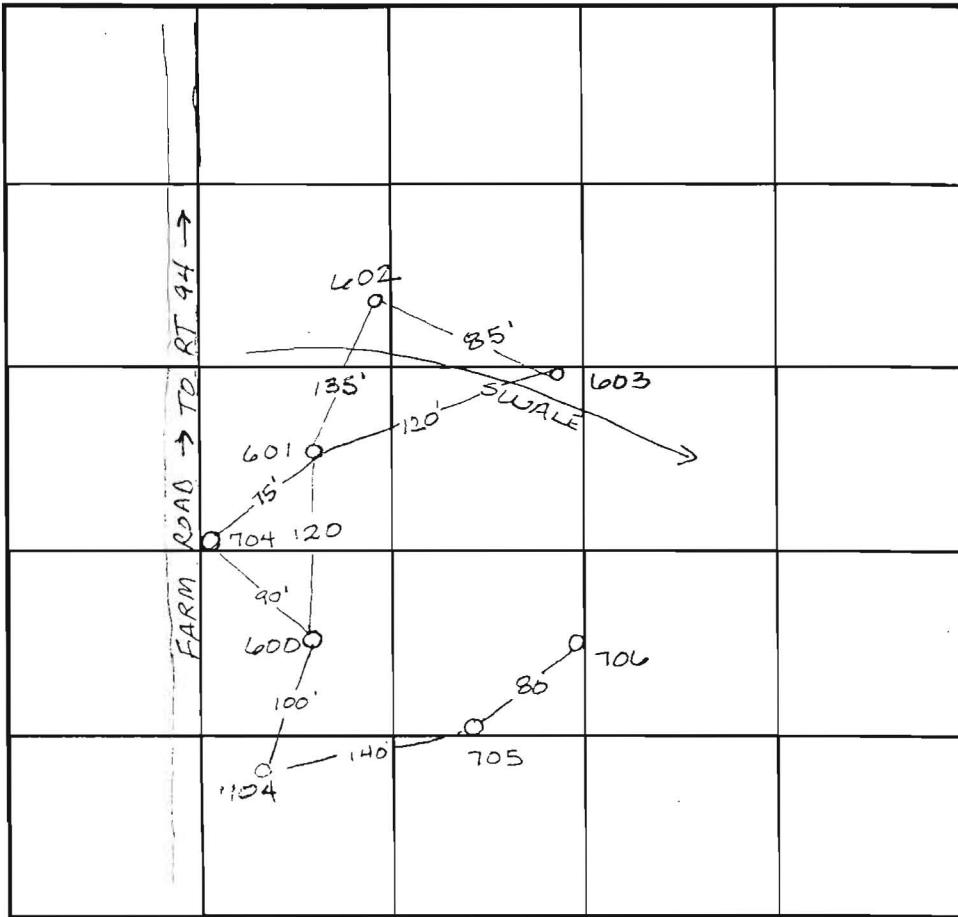
red brown silclm  
 tan silm  
 micaceous  
 20% Rx

601 706

red brown silclm  
 20% Rx  
 lgt pink to orange silclm  
 25% small shale frags  
 micaceous

603

lgt tan silclm  
 micaceous  
 lgt yellow tan silclm  
 30% small shale frags  
 micaceous



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

602

orange brown silclm  
 heavy red silm  
 some very decayed shale

704

red brn silclm  
 dark pink silm  
 lgt yellow tan silclm

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8-3-93	600	4.5 / 11.0	10:19	10:21	10:21	10:25	4 min
	601	6.0 / 12.0	10:26 <sup>30</sup>	10:35	10:35	10:41	6 min
	603	4.5 / 10.0	10:35	10:45	10:45	11:30	slow
	602	5.0 / 11.5	10:43	no movement			slow
8-4-98	704	5.5 / 10.0	12:34	12:39	12:39	12:45	6 min
	703	70-80% rock	beginning @ 3.0 - insufficient depth to bedrock				F
	705	Refusal @ 6.0	Insufficient depth to bedrock				F
	706	5.0 / 11.0	12:44	12:47	12:47	12:54	7 min

REMARKS

TYPE OF SOIL

TESTED BY Amy McMillen

ALSO PRESENT

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

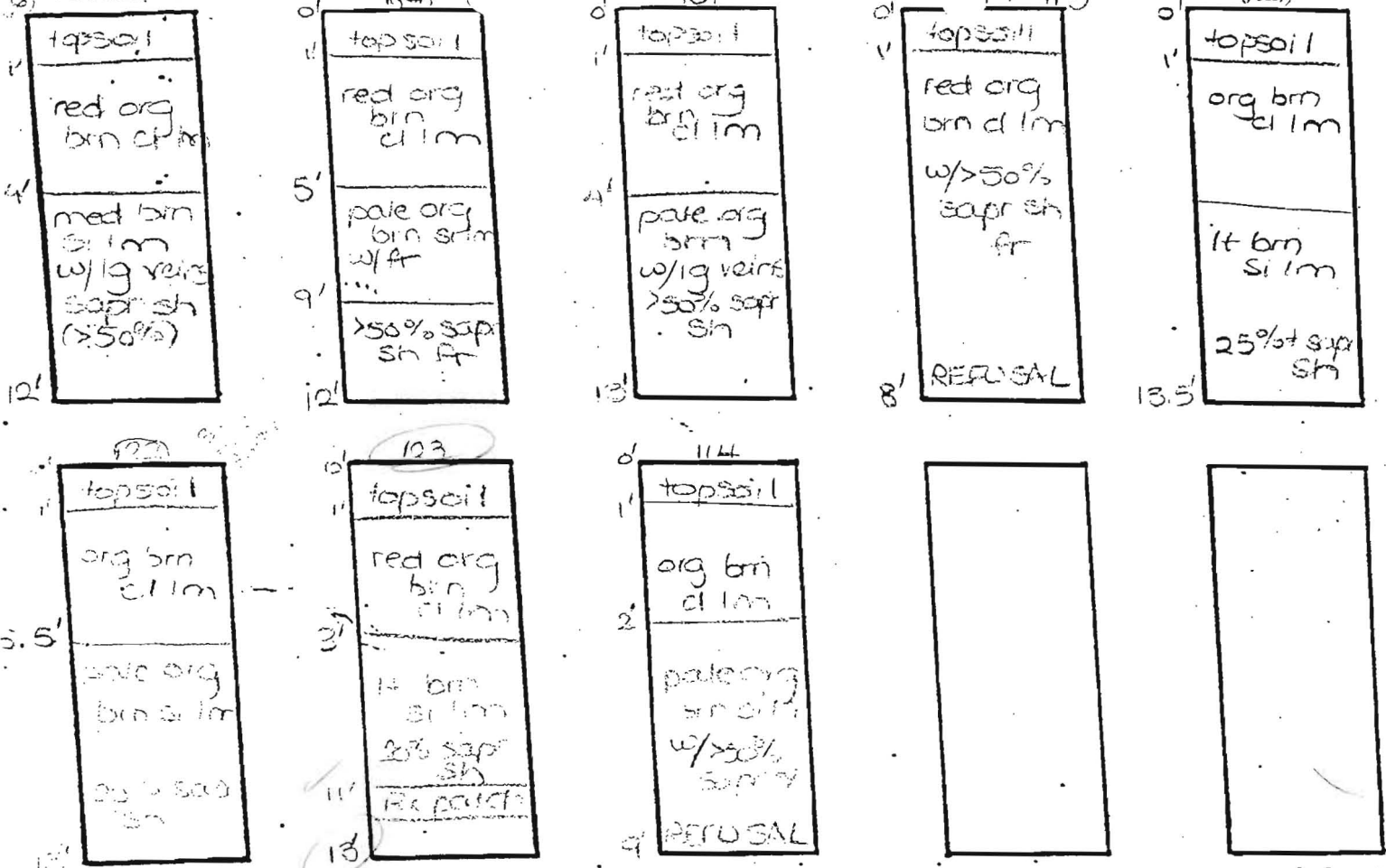
TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM

SOIL PROFILE

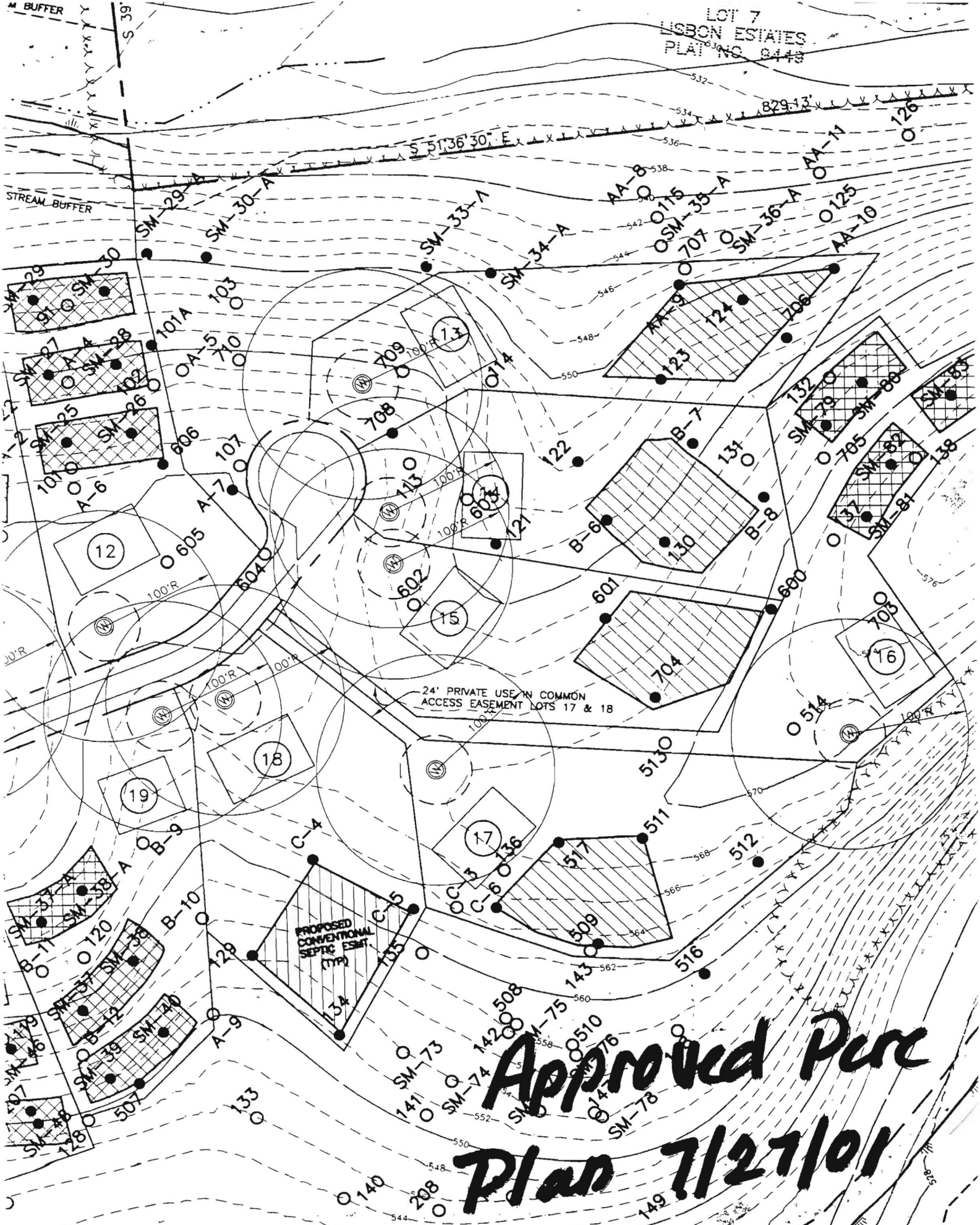


DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11-19-97	76	12.0'D	—	—	—	—*	FAIL
	89	5.5'S	10:15	10:23	10:23	10:37	16
		12.0'D	—	—	—	—	FAIL
	101	4.0'S	10:20	10:27	10:27	10:38	11
		13.0'D	—	—	—	—	FAIL
	107	8.0'S	REFUSAL	—	—	—	FAIL
	113	10.0'S	REFUSAL	—	—	—	FAIL
	121	6.5'S	11:11	11:45	11:45	little slow	OK below
		13.5'D	—	—	—	—	OK
	122	5.5'S	11:15	11:26	11:26	11:41	15
		13.0'D	—	—	—	—	OK
	123	3.0'S	11:20	11:21 <sub>2</sub>	11:21 <sub>2</sub>	11:26	5 ✓
		13.0'D	—	—	—	—	OK
	114	9.0'D	REFUSAL	—	—	—	FAIL

\*Test hole 124 not located (all original notes lost after initial percing in 97 by DKC) Marked as failed by engineer, but decision reversed on appeal to MDE  
 All

STREAM BUFFER

BUFFER



**Approved Perc**  
**Plan 7/27/01**