



# APPLICATION

## FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) 4-18-06 TEST TIME 9am A/P 523834  
 AGENCY REVIEW: ADDITIONAL TESTING DATE 4-18-06

DO NOT WRITE ABOVE THIS LINE

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S) TO:

CHECK AS NEEDED:

- CONSTRUCT NEW SEPTIC SYSTEM(S)
- REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
- REPLACE AN EXISTING SEPTIC SYSTEM

CHECK AS NEEDED:

- NEW STRUCTURE(S)
- ADDITION TO AN EXISTING STRUCTURE
- REPLACE AN EXISTING STRUCTURE

CHECK ONE:

- CREATE NEW LOT(S)
- BUILD ON AN EXISTING LOT IN A SUBDIVISION
- BUILD ON AN EXISTING PARCEL OF RECORD

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- YES
- NO

THE TYPE OF STRUCTURE IS:

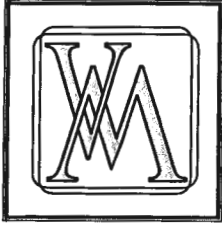
- RESIDENTIAL WITH \_\_\_\_\_ PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE *UNKNOWN* IF APPROPRIATE)
- COMMERCIAL (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/ CUSTOMERS ON ACCOMPANYING PLAN)
- INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) Qtz Hill LLC - John Congedo  
 DAYTIME PHONE 410-880-3006 CELL 443-463-2717 FAX \_\_\_\_\_  
 MAILING ADDRESS 885 Rt 97 Cooksville 21723  
STREET CITY/TOWN STATE ZIP  
 APPLICANT SAME  
 DAYTIME PHONE: \_\_\_\_\_ CELL \_\_\_\_\_ FAX \_\_\_\_\_  
 MAILING ADDRESS \_\_\_\_\_  
STREET CITY/TOWN STATE ZIP  
 APPLICANT'S ROLE: DEVELOPER BUILDER BUYER RELATIVE/FRIEND REALTOR CONSULTANT  
 PROPERTY LOCATION Qtz Hill II LOT NO. 5  
SUBDIVISION/PROPERTY NAME  
 PROPERTY ADDRESS Northwest Corner of Rt 97 & 99 Behind Parcel  
STREET TOWN/POST OFFICE 33  
 TAX MAP PAGE(S) 8 GRID \_\_\_\_\_ PARCEL(S) \_\_\_\_\_ PROPOSED LOT SIZE \_\_\_\_\_

AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN.

TEST RESULTS WILL BE MAILED TO APPLICANT. \_\_\_\_\_  
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM  
 7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648  
 TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH



VANMAR  
ASSOCIATES, INC.

Engineers • Surveyors • Planners

310 South Main Street, P.O. Box 328, Mount Airy, Maryland 21771

(301) 829-2890  
(301) 695-0600

(301) 831-5015

(410) 549-2751  
Fax (301) 831-5603

May 1, 2020

Mr. Jeff Williams  
Howard County Health Department  
Bureau of Environmental Health  
8930 Stanford Blvd.  
Columbia, MD 21045

ATTN: Robert Bricker

RE: 14550 Old Frederick Road  
Quartz Hill Lot 5  
Percolation Certification Plan Revision  
OSDS Plan

Dear Mr. Williams:

We are submitting a Revised Percolation Certification Plan for 14550 Old Frederick Road / Lot 5 Quartz Hill III Subdivision. We are proposing to locate the SWM Landscape Infiltration Facility in the northwest corner of Lot 5. To maintain the 25' setback from the SWM facility, we have modified the approved septic area.

I look forward to your expeditious review and approval of the Revised Percolation Certification Plan.

Thank you,  
VANMAR ASSOCIATES



Ronald E. Thompson, P.E.

Lot 5

AP 523834

Proposed LOT 1

(304)  
 wK rdbrn  
 huyL  
 Swall  
 1pl@4  
 ybrn, wK rdbrn  
 L ON North wall  
 SbK  
 Gtz @ 5%  
 5'  
 Hbrn  
 brn  
 L  
 wks aprite 5%  
 West wall @ 9'  
 1-2 pl

(303)

(304)

High elev.

? N

13 BOTTOM

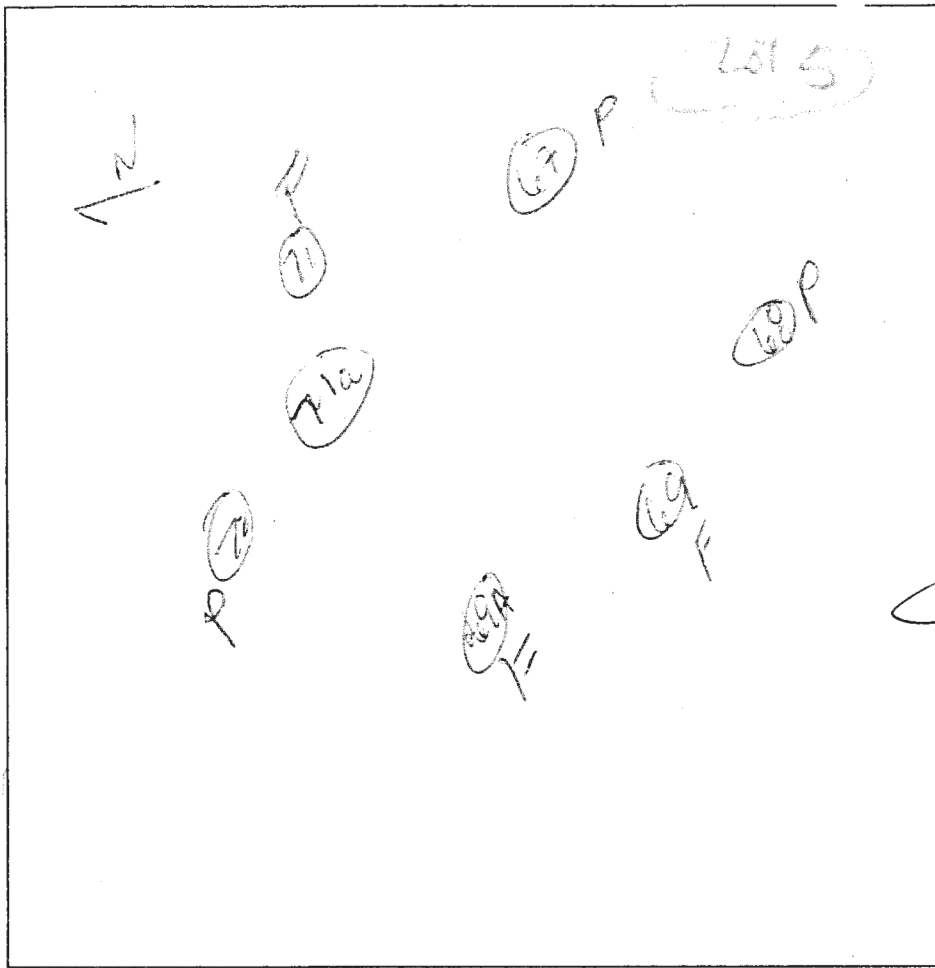
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
4-18-06	(304)	5'	8:55	8:57	8:59	2	P
				Perched in Gtz lens			
East wall	303	11'	9:03	9:09	5t gall	6min	M
				water poured on SE side of hole			
			MAINTAIN 10-15' from hole 303				

(303)

Bnn huyL/  
 S.L 2'  
 cobbles  
 & stones  
 ybrn west  
 rdbrn wall  
 Lwrm Aug stone  
 Snpdlt pocket  
 150% > 500%  
 pl e  
 MASS  
 struct  
 BOTTOM 11

REMARKS Holes dug @ Stake  
 SANITARIAN Peace BACKHOE Hot fields OTHERS Angedo  
 TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_  
 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_

71  
 Soil  
 64'  
 67  
 >50%  
 Refused  
 @  
 7'



70  
 Red  
 CL  
 Dense  
 to 6'  
 Abrupt  
 change  
 to SL  
 Rate  
 1/2  
 5%  
 Bottom

67  
 Soil red  
 heavy L  
 (pale  
 soil)  
 3'  
 # brown  
 w/ organic  
 Lamm  
 Rate %  
 ≤5%  
 Bottom

13'  
 71a  
 Acc. zone  
 on top  
 3'  
 w/ rd  
 SL  
 Bottom

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
2/22/60	71	7MLS	—	—	—	—	F
	67	5 1/2'S	2:26	2:30	2:38	8	P
	68	6'	2:38	2:39	2:43	4 min	P
	69	7'	2:49	2:50	2:50	—	F
	70	6 1/2'	2:47	2:51	2:55	4	P
	71a	6'	2:58	3:02	3:07	5	P
	71a	Refused @	7' depth	Refused	Refused	—	F

3'  
 69  
 org brn  
 heavy L  
 w/ pockets  
 of CL  
 silty  
 Transition  
 into SL  
 Lamm  
 Rat  
 10-15%  
 Bottom

REMARKS \_\_\_\_\_

SANITARIAN \_\_\_\_\_ BACKHOE \_\_\_\_\_ OTHERS \_\_\_\_\_

TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_

TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_

Follow-up Percs

Lot 5

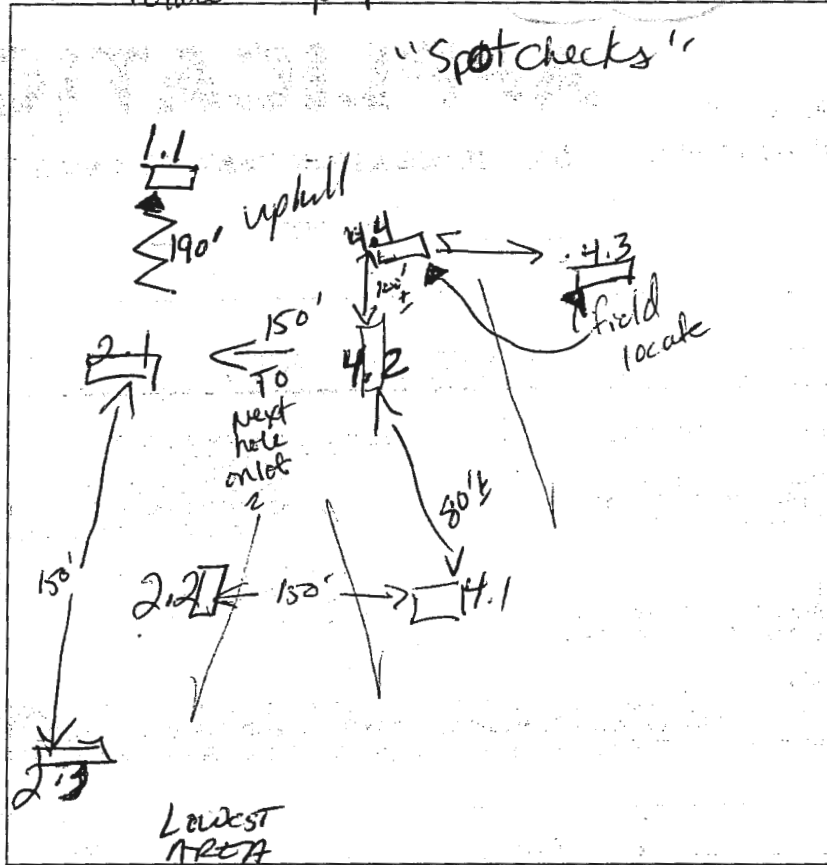
AVP

4.1  
 fails  
 excessive  
 rx starts  
 @ 3 1/2'  
 refusal  
 @ 5'

4.2  
 org brn  
 SL/L

10' chart  
 frags @ 30'  
 Bottom

2.3  
 org brn  
 brn  
 hvyl  
 Ribbons  
 1-1 1/4"  
 1 1/2'  
 4 1/2'  
 4 1/2'  
 1 1/2' brn  
 SL  
 Saprolite  
 10-15%  
 Bottom 14'



2.2  
 N well  
 org brn  
 str brn  
 hvyl few stones  
 (Swall - 3pt sil  
 w/L packets  
 to 4')

5 1/2'  
 brn, w/ k org brn  
 LS-S  
 12' Bottom

2.1  
 Str brn  
 sil  
 5'  
 H brn  
 SL  
 Rock < 10%

14' Bottom

1.1  
 org brn  
 SL  
 5' bk

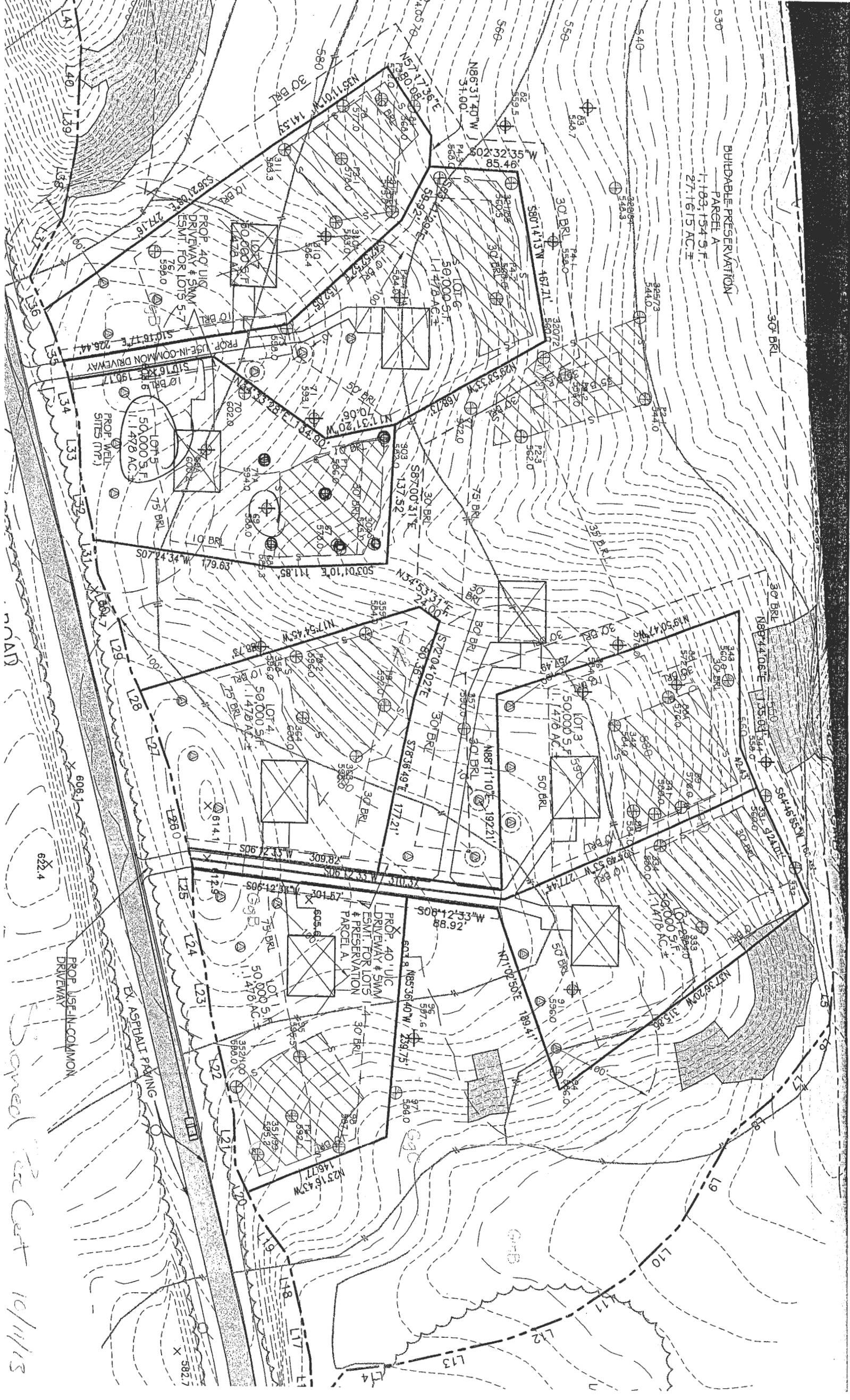
6'  
 LS with  
 flagstone  
 saprolite  
 230%

10'  
 H brn  
 sil/L  
 compact

12' Bottom

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
7-3-06	4.2	4 1/2'	9:31	9:34	9:37	4	P
	2.3	5'3"	10:31	10:35	10:40	5	P
	2.2	5 1/2'	10:46	10:50	10:55	5	P
	2.1	Visual	definite A -> B hor. z change ESTS				P
	1.1	12'	10 gallons 11:17/11:28/11:42		14 min		P
	4.4	fails	excessive rx in sand > 50%				F
		12'	10 gallons 30 sec				
	4.3	Visual	SL/L @ 3' down		trace rx		P

REMARKS: Holes dug per stake except 4.3 & 4.4  
 SANITARIAN: Kace BACKHOE: Hatfields OTHERS:  
 TEST HOLES USED IN SDA: \_\_\_\_\_ AVG. PERC TIME: \_\_\_\_\_ SQ. FT/BR: \_\_\_\_\_  
 TRENCH WIDTH: \_\_\_\_\_ INLET DEPTH: \_\_\_\_\_ MAX. BOT DEPTH: \_\_\_\_\_ EFFECTIVE SW: \_\_\_\_\_



BUILDABLE PRESERVATION  
PARCEL A  
1-103, 154 S.F.  
27.1615 AC. ±

PROP. 40' UIC  
DRIVEWAY & SWM  
ESMT FOR LOTS 5-7  
11,478 AC. ±

PROP. WELLS  
SITES (M.F.)  
50,000 S.F.  
11,478 AC. ±

PROP. 40' UIC  
DRIVEWAY & SWM  
ESMT FOR LOTS  
& PRESERVATION  
PARCEL A  
11,478 AC. ±

Proposed Site Cont  
10/11/13