

COUNTY#

SOIL PROFILE

508

Red Br Heavy Loam

5'

Red Br Si c/Loam Very Little Rock

6'-7'

Beige Sa Loam

15-20% Saprolite

Water

12.5'

507

Br Heavy Loam

4.5'

Red Br Si c/Loam Very Little Rock

5'-5.5'

Very Dense Red Br and Tan Sa Loam

35-45% Rock

Hard Bottom

12.5'

SOIL PROFILE

Empty vertical box for soil profile.

Large empty grid for soil profile data.

See Other Sheet For Locations

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
1/8/04	508	6'10" / 12.5'	2:17	2:29	2:29	2:48	19	O.K.
		7.5	2:21	2:24:30	2:24:30	2:31:30	7	
	507	7'4" / 12.5'	2:40:30	2:52:30	2:52:30	3:20:30	28	O.K.

REMARKS Bucket Poured In Bottom of 507 - Not Fast

TYPE OF SOIL Don't Move Any Closer to Swale With 507

TESTED BY B. Baker ALSO PRESENT _____

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

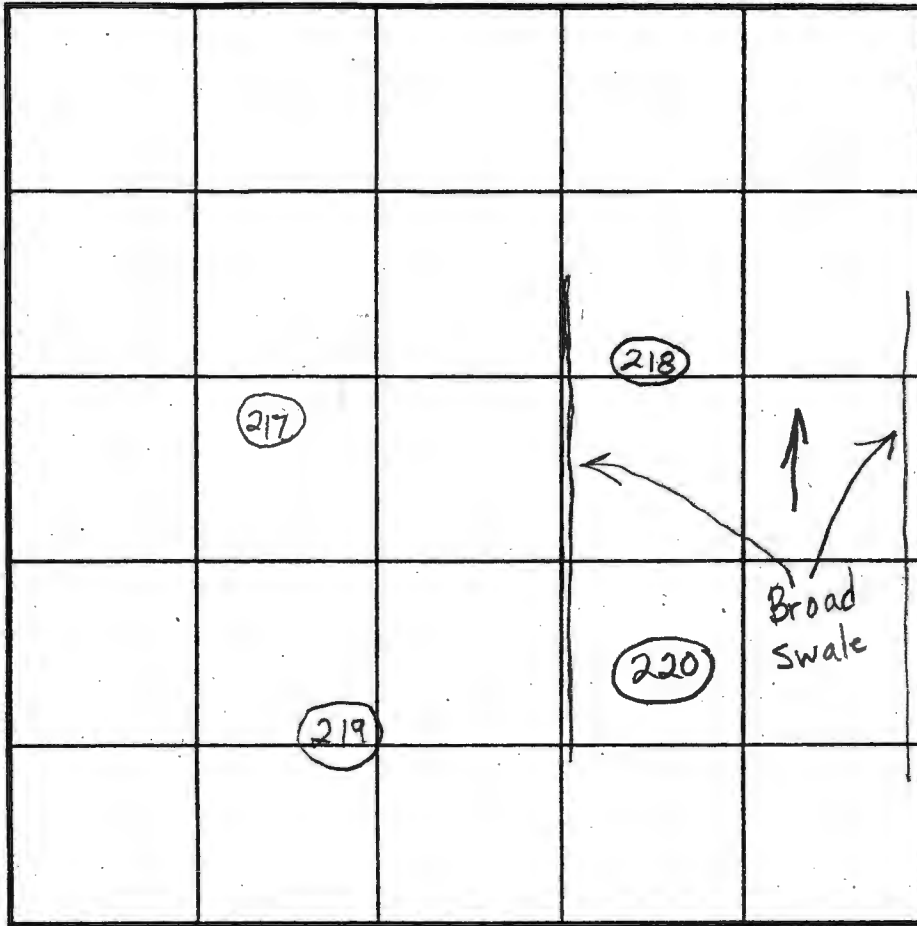
COUNTY #

SOIL PROFILE

0' (220)
 Red Br
 Cl Loam
 3.5' Red Br Sa
 Cl Loam
 Varying
 Amounts of
 clay
 7' Light Br
 Si Loam
 ~15% Rock

(218)
 Red Br
 Cl Loam
 3' Red Or Br
 Sa Cl Loam
 6.5' Light Br
 Sa Loam
 ~10%
 Rock

(219)
 Red Br
 Cl Loam
 2-5' Med Or
 Brown
 Sa Loam
 ~10%
 Rock



SOIL PROFILE

0' (217)
 Red Br
 Cl Loam
 5.5' Or Br Si
 Loam
 7' Med Or
 Br Si
 Loam
 ~10%
 Rock

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Ten Oaks Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
11/28/01	220	6.5'/15'V	11:16	11:23	11:23	11:36	13	OK
	218	5-5.5'/15.5'V	11:18:30	11:19	11:19	11:19:30	30sec	
	219	5.5'/15'V	10:41	10:42:10	10:42:10	10:47	~5	OK
	217	6'/14'V	10:46	10:56	10:56	11:14	18	OK
	218	Repour	11:20:20	11:20:50	11:20:50	11:21:50	1	(F)
		Repour	11:25	11:25:30	11:25:50	11:27	1/min 10sec	
		Repour	11:28:10	11:29:10	11:29:10	11:30:25	1/min 15sec	

REMARKS Holes dug per plan
 TYPE OF SOIL _____
 TESTED BY Brian Baker ALSO PRESENT HATFIELDS
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____
 INI FT DEPTH _____

COUNTY #

SOIL PROFILE

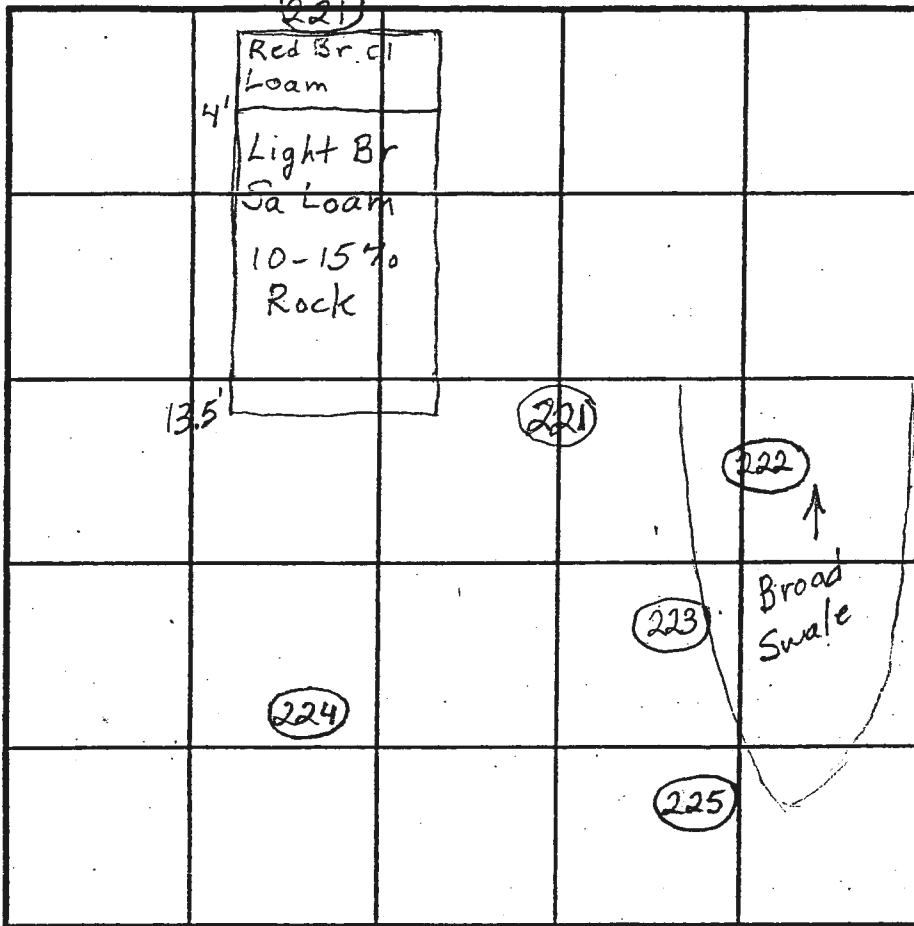
0' (224)
 Brown Cl Loam
 2.5' Br Sa Cl Loam
 5.5' Light Or Br Sa Loam
 20-30% Rock
 6.5' Pockets of > 50% Rock To Bottom w/ lateral structure
 12' Hard Bottom

SOIL PROFILE

4' (225)
 Red Br Cl Loam
 Rocky to 5'
 Red Br and Light Br Si Cl Loam
 Varying Amounts of Clay
 8' Light Tan Sa Loam
 ~20-30% Rock
 15'

SOIL PROFILE

2.5' (223)
 Red Br Cl Loam
 Red Br Sa Cl Loam
 3.5' Light Br Sa Loam
 ~25% Rock



SOIL PROFILE

0' (222)
 Red Or Br Cl Loam
 3.5' Or Br Si Cl Loam
 5.5' Light Br Si Loam
 10-15% Rock
 14.5'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Ten Oaks Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
11/28/01	224	4.5'/12'v	2:36	2:49	2:49	3:14	25	(F)
	225	6'/15'v	2:52	3:00:30	3:00:30	3:17:30	17	OK
	223	4.5'/15'v	3:03	(Failed)		3:04	1min	Total (F)
		Repour	3:04:30			3:05:45	1 1/4 min	Total
		Repour	3:08			3:09:30	1 1/2	Total
		Repour	3:11:35			3:13:45	2min 10sec	Total
	222	5.5'/14.5'v	3:44	3:51	3:51	4:04	13	OK
11/29/01	221	6'/13.5'v	10:33:30	10:34	10:34	10:35	1	OK

REMARKS Holes per Pbn Repour 10:35:45 10:36:50 10:36:50 10:38:20 1 1/2

TYPE OF SOIL _____

TESTED BY Brian Baker

ALSO PRESENT HATFIELDS - Donny

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____

TRENCH WIDTH _____

COUNTY #

SOIL PROFILE
 0' (504)

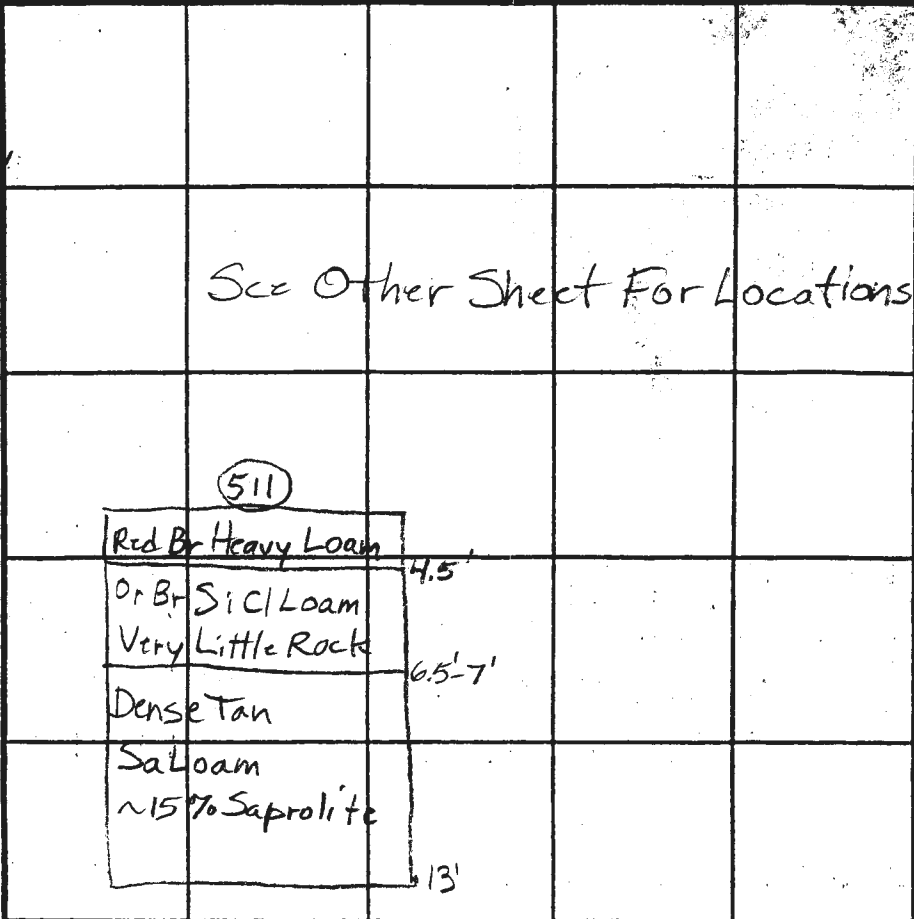
Red Br Loam 2'-4'
 Red Br and Beige Sa Loam ~20% Rock 8'
 ~40% Rock 10'
 Hard Bottom

(506)

Red Br Gravelly Cl Loam 4'
 Red Brand Or Br Si, Si Cl and Sa Loams ~10% Rock 5'-8'
 Beige Sa Loam 15-20% Saprolite 14'

(509)

Red Br Loam 3'
 Dense Or Br Sa Loam 4'
 Beige Sa Loam ~15% Rock 8.5'
 30-35% Rock 12.5'
 Hard Bottom



SOIL PROFILE
 0' (510)

Br Heavy Loam 2'
 Red Br Si Cl Loam 3.5'
 Or Br Sa Loam and Red Br Si Loam Very Little Rock 5.5'
 Beige Sa Loam 10-15% Saprolite Water 13'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
1/8/04	504	3' / 10' V	11:57	11:58:45	11:58:45	12:01:40	3	(F)
		7'	11:57:45	12:01:45	12:01:45	12:11:45	10	
	506	5' / 14' V	12:17:30	12:23:45	12:23:45	12:35:45	12	O.K.
		6' 9"	12:18	Not 1st 2nd Peg after 25				(Slow)
		6'	12:52	12:55:30	12:55:30	1:03:30	8	
	509	4' / 12.5' V	1:14:30	1:19:15	1:19:15	1:25:30	6 1/2	O.K.
		7'	1:14:30	1:16:30	1:16:30	1:19:30	3	
	510	4.5' / 13' V	1:34:30	1:40:15	1:40:15	1:51	11	O.K.
		6.5'	1:34:45	1:35:45	1:35:45	1:37:15	1 1/2	
	511	6' 8" / 13' V	1:58	~7/8" in 25 minutes				Slow O.K.

REMARKS 7' 4" 1:59 2:08 2:08 2:26 18

TYPE OF SOIL 504 Fails Unless Trenches Can Be Installed No Deeper


TESTED BY B. Baker ALSO PRESENT Than 6'

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH

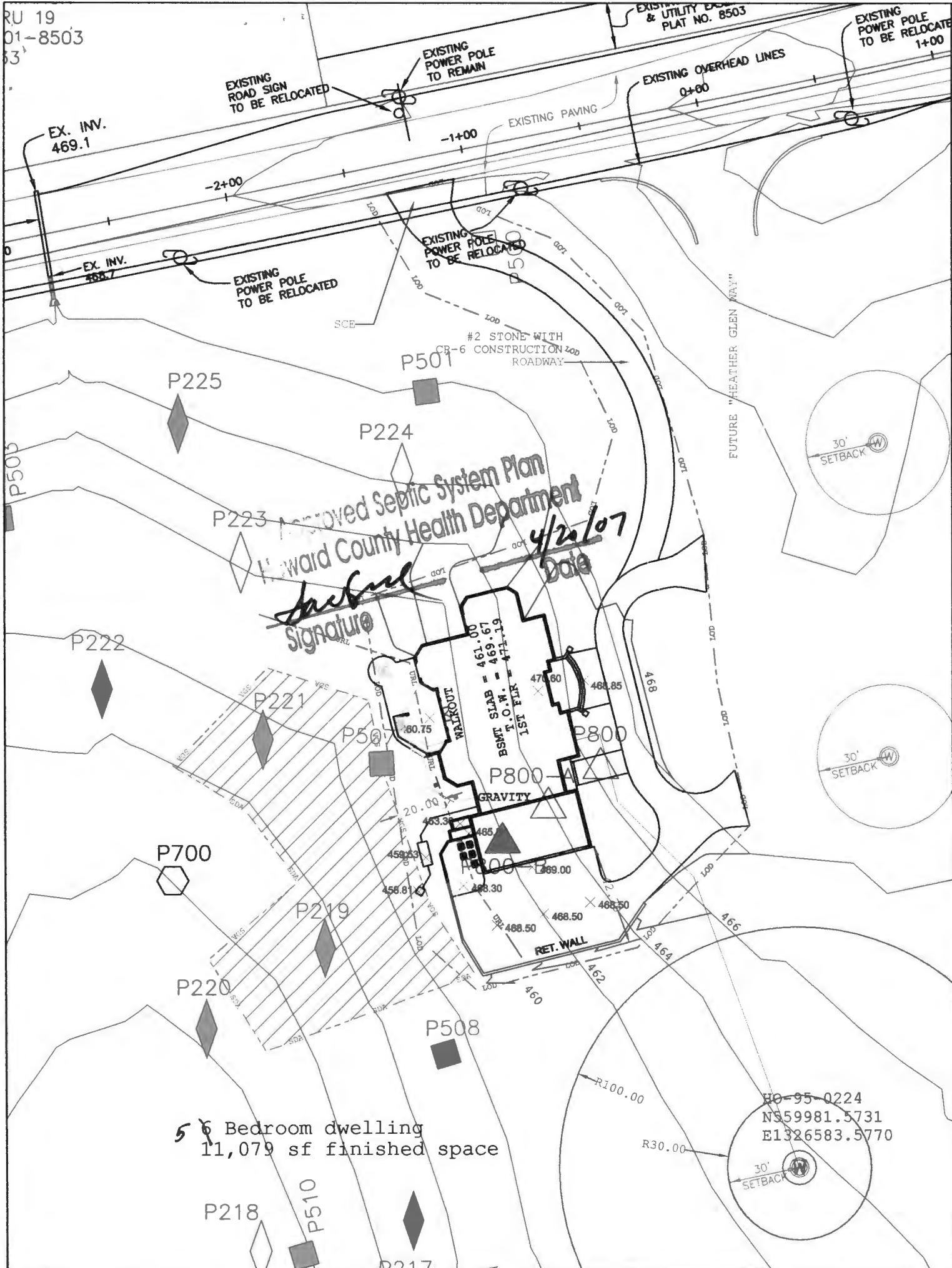
INLET DEPTH MAXIMUM BOTTOM DEPTH SQ. FT./BEDROOM

SEE INSET
SHT 2 OF 2



<p>TITLE PERCOLATION PLAT PLOT PLAN</p>	<p>N </p>	<p>OWNER/ BUILDER: Dale Thompson Builders, Inc. 6300 Woodside Court Suite A Columbia, MD 21046</p>
<p>DATE 03-12-07 REV: 4.19.07 SCALE: 1: 400 SHT 1 OF 2</p>		<p>APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN CONFORMANCE WITH THE MASTER PLAN OF HOWARD COUNTY.</p> <p>_____ Peter Beilenson, M.D., M.P.H., HOWARD COUNTY HEALTH OFFICER</p> <p>DATE _____</p>
<p>PROJECT NAME SINGLE-FAMILY DWELLING STRATFORD 2</p> <p>CLARKSVILLE, HOWARD COUNTY MARYLAND</p>		

RU 19
01-8503
63'



Approved Septic System Plan
Howard County Health Department
Signature
Date 4/20/07

5 Bedroom dwelling
11,079 sf finished space

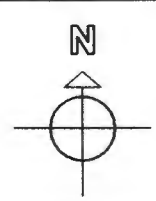
The existing well(s) shown on this plan have been field located by a Benchmark Engineering, and is (are) accurately shown. All drilled wells and SDA's within the boundaries of this property are shown.

TAGGED WELL DATA
TAG NUMBER: HO-95-0224
NORTHING: 559981.5731
EASTING: 1326583.5770

PERCOLATION TEST PASSED
PERCOLATION TEST FAILED

TITLE:
**PERCOLATION PLAT
INSET PLOT PLAN**

DATE: 03-12-07 REV: 4.19.07
SCALE: 1:50 SHT 2 OF 2



OWNER/ BUILDER:
Dale Thompson Builders, Inc.
6300 Woodside Court
Suite A
Columbia, MD 21046

PROPOSED ELEVATIONS:	
TOP OF BASEMENT SLAB:	461.00
TOP OF FOUNDATION WALL:	469.67
TOP OF FIRST SUBFLOOR:	471.19
INVERT OUT OF HOUSE:	457.30
INVERT INTO TANK:	456.67
INVERT INTO PUMP:	456.17
INVERT OUT OF PUMP:	N/A
INVERT @ SEC:	N/A
INVERT INTO DISTRIBUTION BOX:	455.80
INVERT INTO TRENCHES:	455.00
GRADE AT HOUSE INVERT:	461.80
GRADE AT SEPTIC TANK:	459.53
GRADE AT PUMP:	N/A
GRADE AT DISTRIBUTION BOX:	458.81
GRADE AT TRENCHES:	458.00

PROJECT NAME:
SINGLE-FAMILY DWELLING
STRATFORD 2

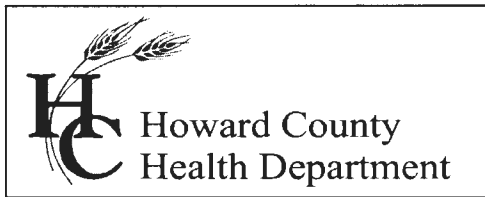
CLARKSVILLE, HOWARD COUNTY
MARYLAND

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN CONFORMANCE WITH THE MASTER PLAN OF HOWARD COUNTY.

Peter Beilenson, M.D., M.P.H., HOWARD COUNTY HEALTH OFFICER

DATE _____

PAVING SPECIFICATIONS: 2" ASPHALT OVER 4" CR-6 OR 2.5" ASPHALT OVER 1.5" OVERLAY



Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia MD 21046
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Peter L. Beilenson, M.D., M.P.H., Health Officer

Friday, June 15, 2007

MEMORANDUM

IMPORTANT

To: DPZ

From: Sara Fegel, R.S. *SF*
Well and Septic Program

Re: Lot 1, The Preserve at Clarksville

The SDA on Lot 1 can not be altered due to restrictive soil profiles and landscape position. Improvements on this lot may be limited.