

COUNTY #

SOIL PROFILE  
**500**

0' Topsoil  
4" 1+ arg brn  
Sandy CL Lm  
Rock ~ 5-10%  
5:52' micaceous SAND  
Rock ~ 10-15%  
1+ brn  
1+ tan  
1+ arg brn  
14' Bottom

**499**

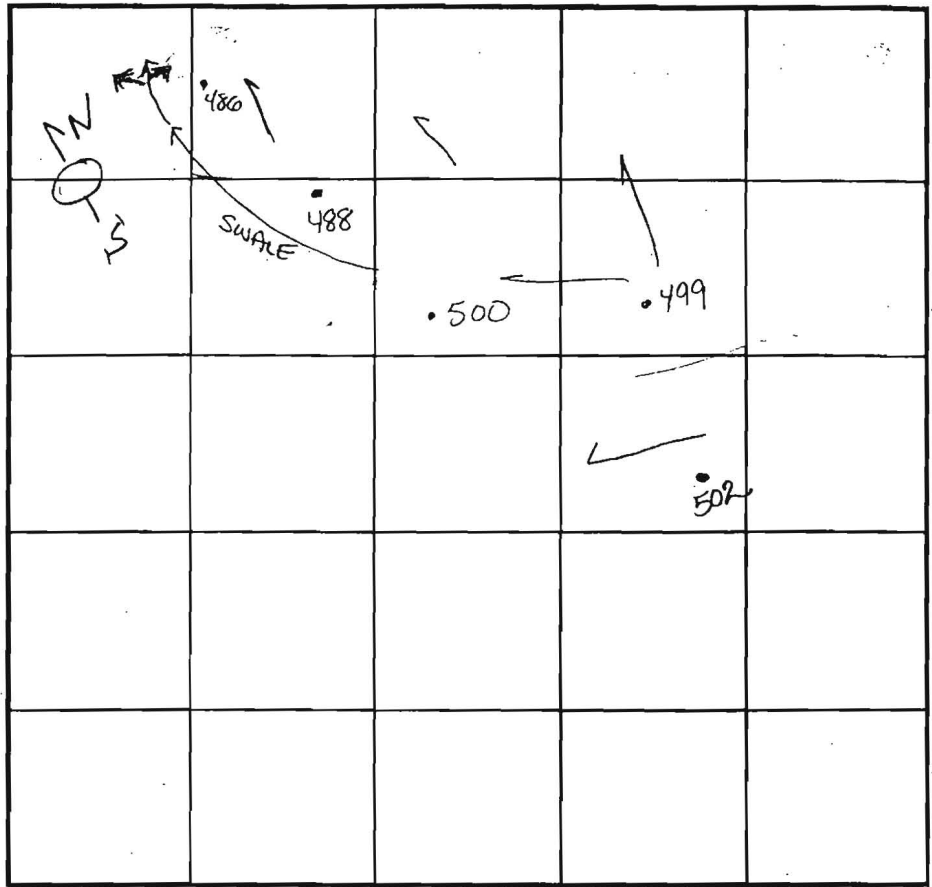
TOPSOIL

Derise  
RED  
CLAY  
Mn aggr 2-3%  
Rock ~ 5%  
4 1/2' 1+ beige brn  
1+ brn  
1+ tan  
SAND  
8' Rock frag  
20-25%  
13' Bottom

**488**

TOPSOIL

Micaceous  
SANDY  
CLAY LAM.  
5 1/2' white  
1+ beige  
SAND  
8' Rock frag  
~ 5%  
14' Bottom



SOIL PROFILE  
**489 / 490**

0' Topsoil  
3-4' Strong tan brn  
SCL Lm trace rock  
1+ beige  
fine SAND  
Rock trace  
for bot h holes  
14' Bottom

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

6 1/2 - 7' East Wall

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11/15/01	500	5 1/2' S	11:23 <sup>02</sup>	11:31	11:31	11:48	~17min
		14' B	—————		—————		→ PASS
	499	5 1/2' S	11:36 <sup>40</sup>	11:39 <sup>50</sup>	11:39 <sup>50</sup>	11:44	~4min
		13' B	—————		—————		→ PASS
	488	6 1/2' S	11:51 <sup>04</sup>	11:58	11:58	12:11	13min
		14' B	—————		—————		→ PASS
	486	5 1/2' S	12:11 <sup>12</sup>	12:11 <sup>38</sup>	12:11 <sup>38</sup>	12:12 <sup>42</sup>	1min OK
		repair	12:14 <sup>28</sup>	12:15 <sup>38</sup>	12:15 <sup>38</sup>	12:16 <sup>40</sup>	1min
			12:17 <sup>16</sup>	12:18 <sup>47</sup>	12:18 <sup>47</sup>	12:20 <sup>00</sup>	2 <sup>47</sup>
	490	5 1/2' S / 14' D	12:25 <sup>36</sup>	12:26 <sup>21</sup>	12:26 <sup>21</sup>	12:30 <sup>10</sup>	~4:10 OK

REMARKS 486 Nice soils ~75' up from footslope of hill (also above opening of swale)

TYPE OF SOIL HOLES PER PLAN

TESTED BY Goedeking ALSO PRESENT Chuck Croo

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH Mike & crew

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT/BEDROOM \_\_\_\_\_

COUNTY #

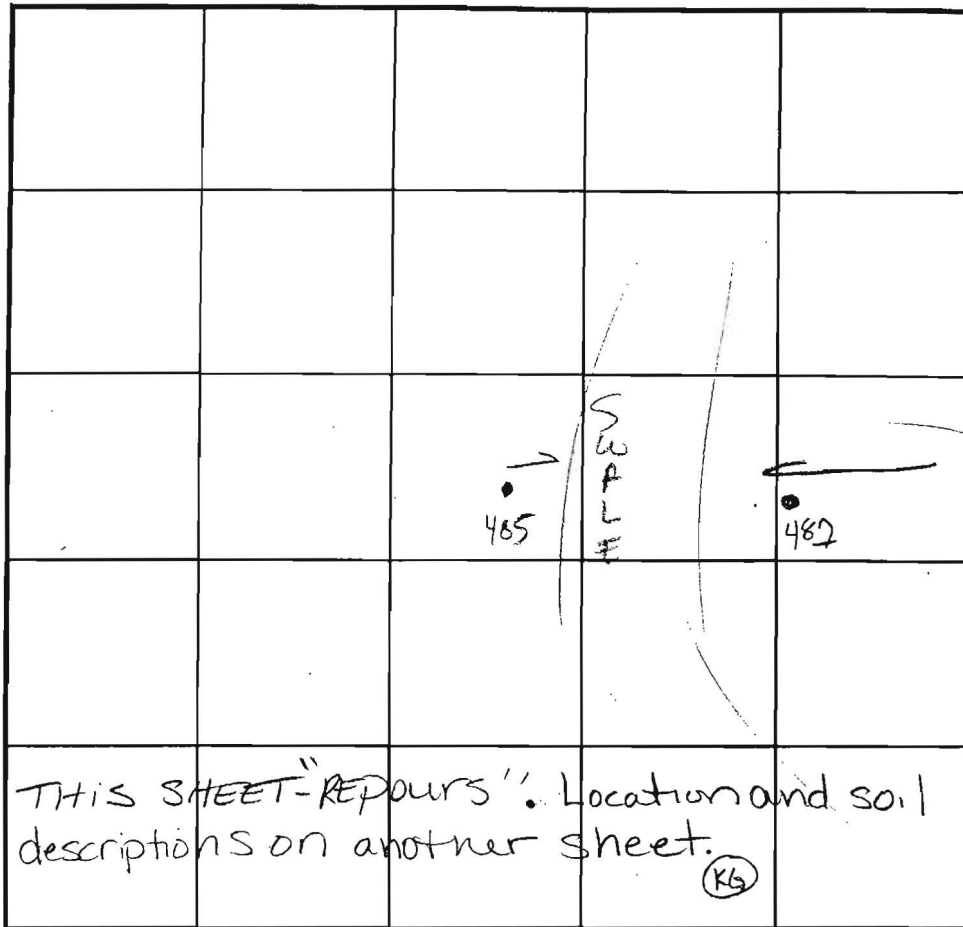
SOIL PROFILE

0'

Empty vertical box for soil profile notes.

Empty vertical box for soil profile notes.

Empty vertical box for soil profile notes.



SOIL PROFILE

0'

Empty vertical box for soil profile notes.

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11/20/01	513						
Repour	513						
		No Perc Redug another side of shelf and still DEEP CLAY pocket 28-8 1/2". FAIL					
A Repour	485	5 1/2'	2:42	2:47	2:47	2:54	7 min
	487	5 1/2'	2:47	2:48 <sup>30</sup>	2:48 <sup>30</sup>	2:51 <sup>11</sup>	3:15 min
	484	6'	2:56 <sup>30</sup>	2:57 <sup>43</sup>	2:57 <sup>43</sup>	3:00 <sup>15</sup>	3:15 min

REMARKS #513 NOT PASSED HOLES PER PLAN

TYPE OF SOIL \_\_\_\_\_

TESTED BY Goedeking ALSO PRESENT Mike J & Crew

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

COUNTY #

SOIL PROFILE

483

Deep Rd  
Dense  
CLM  
Mottles  
grey, red, blk  
Trace Rx  
granular  
Loam  
to  
SLM  
orgbrn  
beige  
Trace Rx  
Bottom

2'

3'

7-8'

14'

501

orgbrn  
tan  
micaceous  
LM  
pink  
Quartzite  
~10%

3'

8-8 1/2'

orgbrn  
brn  
Loam  
(Some  
Mica)  
Bottom

13'

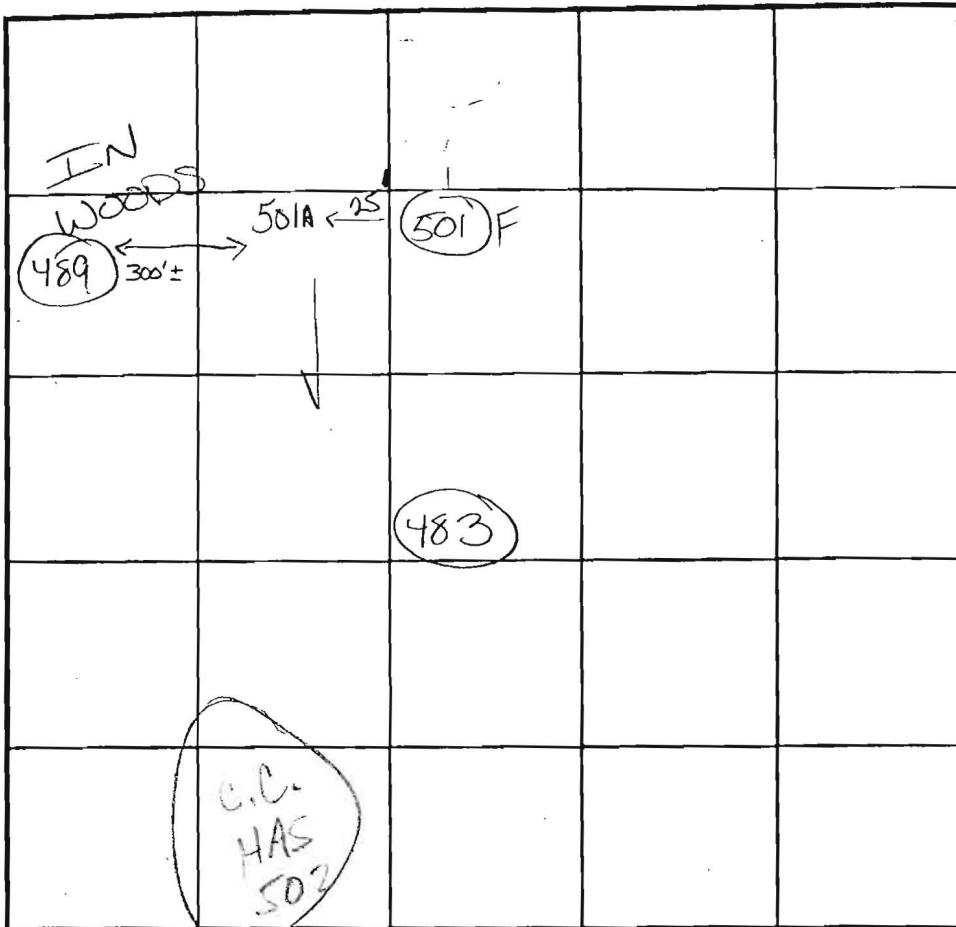
489

wk rdbrn  
10-15% Rx  
granular  
hwy SLM  
loose structured  
platy  
micaceous  
LM  
Rx 5-10%

7'

massive struc.  
lt brn  
micaceous  
fine  
SLM  
5-10% Rx

14'



SOIL PROFILE

501A

like  
501  
but clay  
a little  
less deep

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
2-22-02	483	7' S	11:12:48	11:30:44	11:30:44	11:59:00	~30 min
		14' D					OK
	501	7' S	12:10:44	Fail - Deep clay			
		13' D		less than 1/8" in 1/2 hour			(F)
	489	7' S	12:24:35	12:32	12:32	12:41	9 min
		14' D					OK
	501A	7 1/2' S	1:05:30	1:20:15	1:20:15	1:41:00	21
		12' D					OK

REMARKS

Hole 501A NOT PER PLAN

TYPE OF SOIL

TESTED BY Goedeking

ALSO PRESENT Chuck Crovo, Mike & Willie Johnson

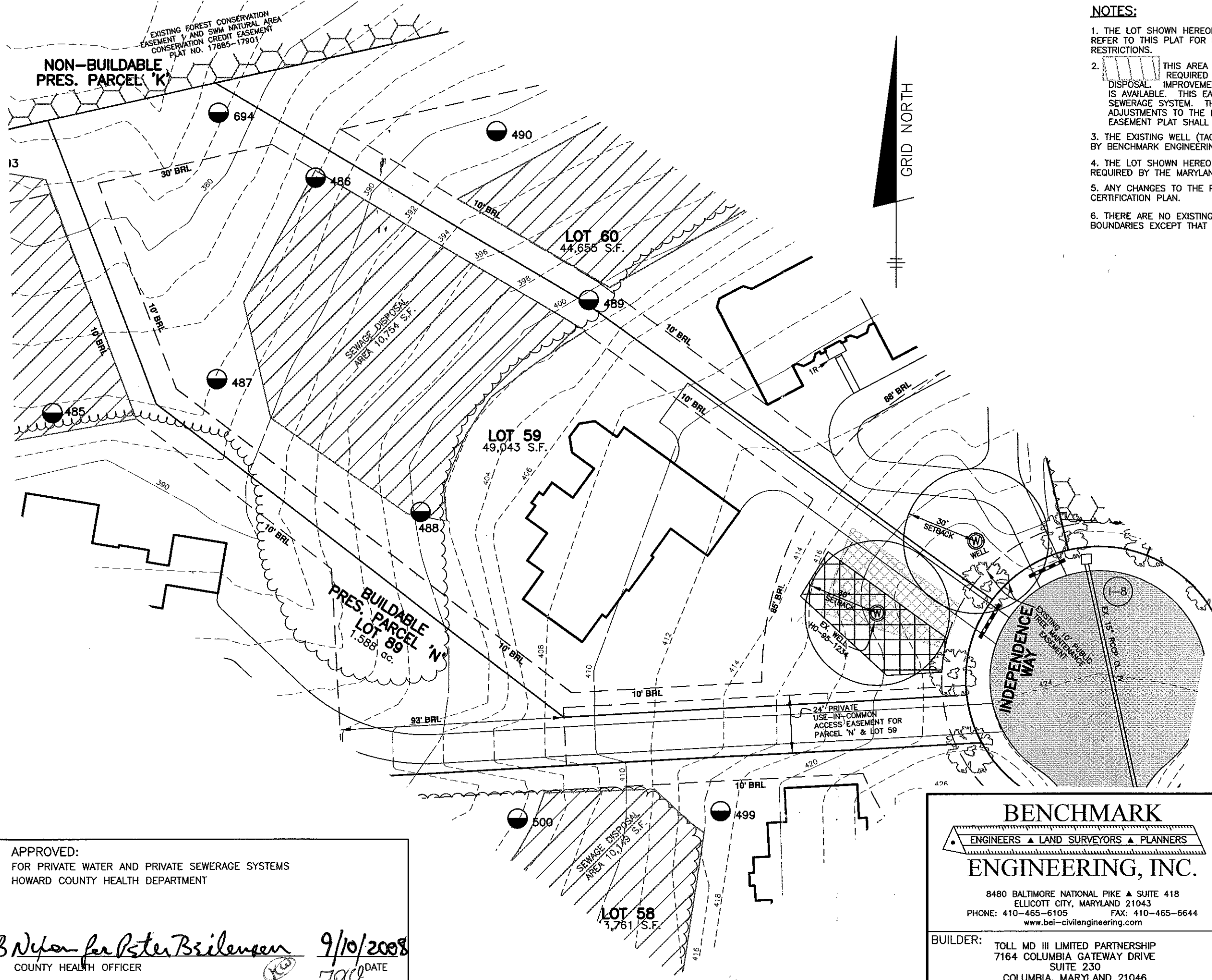
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM



**NOTES:**

1. THE LOT SHOWN HEREON WAS RECORDED ON MAY 2, 2006 AS PLAT NUMBER 18244. REFER TO THIS PLAT FOR LOT DIMENSIONS, LOT AREAS, ALL EASEMENTS AND BUILDING RESTRICTIONS.
2. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA IS RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE NECESSARY.
3. THE EXISTING WELL (TAG NO. HO-95-1234) SHOWN ON THIS PLAN HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. ON 8-22-2008 AND IS ACCURATELY SHOWN.
4. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
5. ANY CHANGES TO THE PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
6. THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THE PROPERTY'S BOUNDARIES EXCEPT THAT WHICH IS SHOWN.

**LEGEND**

- EXISTING CONTOURS ESTABLISHED UNDER F-05-031
- FIELD SURVEYED WELL LOCATION
- PASSED PERC HOLE PER SP-02-013
- EXISTING 1500 S.F. WELLBOX TO BE ABANDONED
- NEW 1500 S.F. WELLBOX LOCATION

I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DAVID THOMPSON  
PLAN PREPARER

APPROVED:  
FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

*B. Nylan for Peter Brilensen* 9/10/2008  
COUNTY HEALTH OFFICER DATE

**BENCHMARK**  
ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS  
**ENGINEERING, INC.**

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ELLCOTT CITY, MARYLAND 21043  
PHONE: 410-465-6105 FAX: 410-465-6644  
www.bei-civilengineering.com

BUILDER: TOLL MD III LIMITED PARTNERSHIP  
7164 COLUMBIA GATEWAY DRIVE  
SUITE 230  
COLUMBIA, MARYLAND 21046  
410-872-9105

**HOMEWOOD CROSSING**  
**LOT 59**

11275 INDEPENDENCE WAY  
TAX MAP 29, GRID 9 - PARCEL 28  
3rd ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

**REVISED**  
**PERCOLATION CERTIFICATION PLAN**

DATE:	AUGUST 22, 2008	PROJECT NO.	1913
SCALE:	1" = 40'	DRAWING	1 OF 1

