

COUNTY #

SOIL PROFILE

0' (464)  
 Micaceous  
 SCLm  
 Rd Brn  
 tan  
 Rock Frag  
 10-15%

5' 7'  
 Rock Frag  
 5-10%  
 SLm  
 org brn  
 tan  
 mica present  
 Bottom

(461)

8"  
 Topsoil  
 strong  
 org brn  
 CLm  
 Rock 5-10%

6'  
 lt beige  
 org brn  
 Lm  
 Rock  
 5-10%

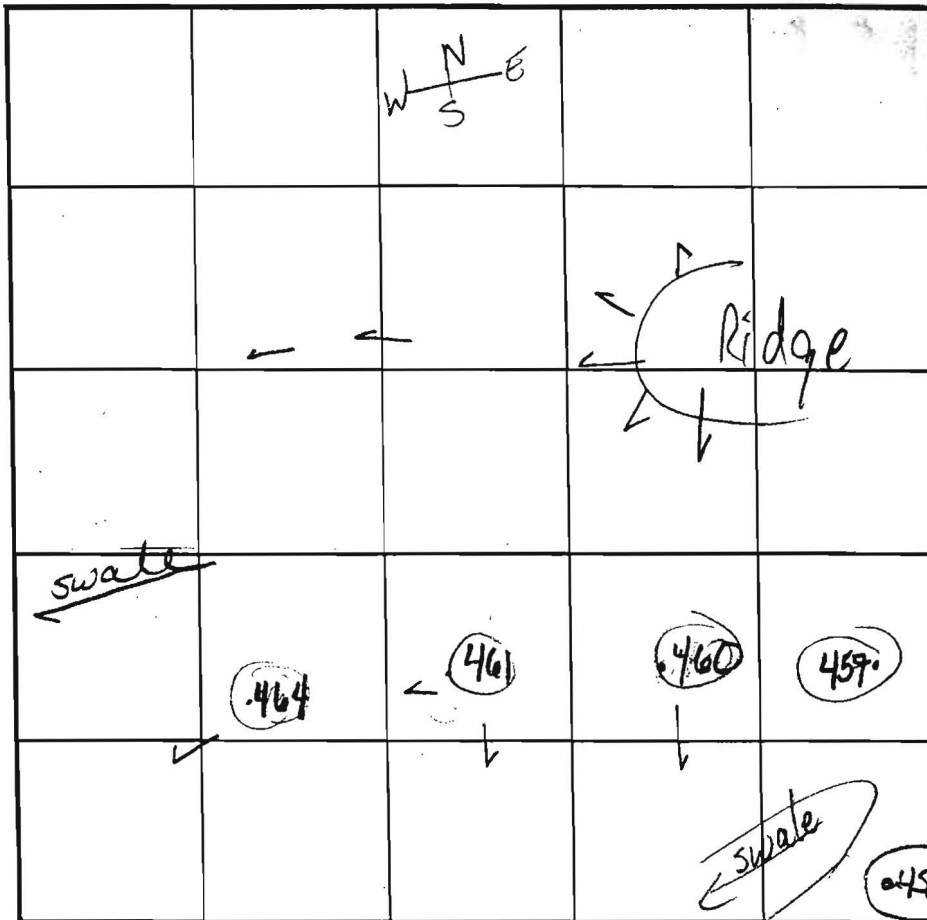
12'  
 Bottom

(460)

6"  
 Topsoil  
 Granular  
 SLm  
 micaceous  
 10-15%  
 Rock Frag

6'  
 lt brn  
 white  
 org brn (lt)  
 micaceous  
 small rock  
 frags - pink  
 quartzite  
 15-20%

13'  
 Bottom



SOIL PROFILE

0' (457)  
 Strong  
 red brn  
 CLm  
 Mn aggregates

5 1/2'  
 org brn  
 SiCLm

TRACE  
 Rock  
 Frag

13 1/2'  
 Bottom

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET START	PRE-WET STOP	TEST - 1" DROP START	TEST - 1" DROP STOP	TIME
10-16-01	(464)	5'5"	12:31 <sup>30</sup>	12:32	12:32 <sup>00</sup>	12:33 <sup>45</sup>	1 min 45 sec
		13' Bottom					Pass
	(461)	5 1/2' S	12:45	12:54	12:54	1:24	30 min
		12' Bottom					OK @ 6'
	(460)	5'3" S	12:50 <sup>30</sup>	12:54	12:54	1:00	6 min
		13' Bottom					PASS
	(457)	5'3" S	1:02	1:02	Pulled		
		13 1/2' Bottom					OK @ 7'
	(457)	7'5"	1:31 <sup>30</sup>	1:41	1:41	2:07	26 min
							PASS

REMARKS Per Plan Trace Rock Frag < 2% # 461 bottom @ 6' - much better soil

TYPE OF SOIL \_\_\_\_\_ HOLES PER PLAN \_\_\_\_\_

TESTED BY Goedeking ALSO PRESENT Chuck C. Mike J crew

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

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SO FT/BEDROOM \_\_\_\_\_

COUNTY #

SOIL PROFILE

SOIL PROFILE

0' 4/23 462 458

orange  
brn  
sac lm  
10-20%  
frags

5

beige  
tan wh.  
sand lm  
10-15%  
frags

14

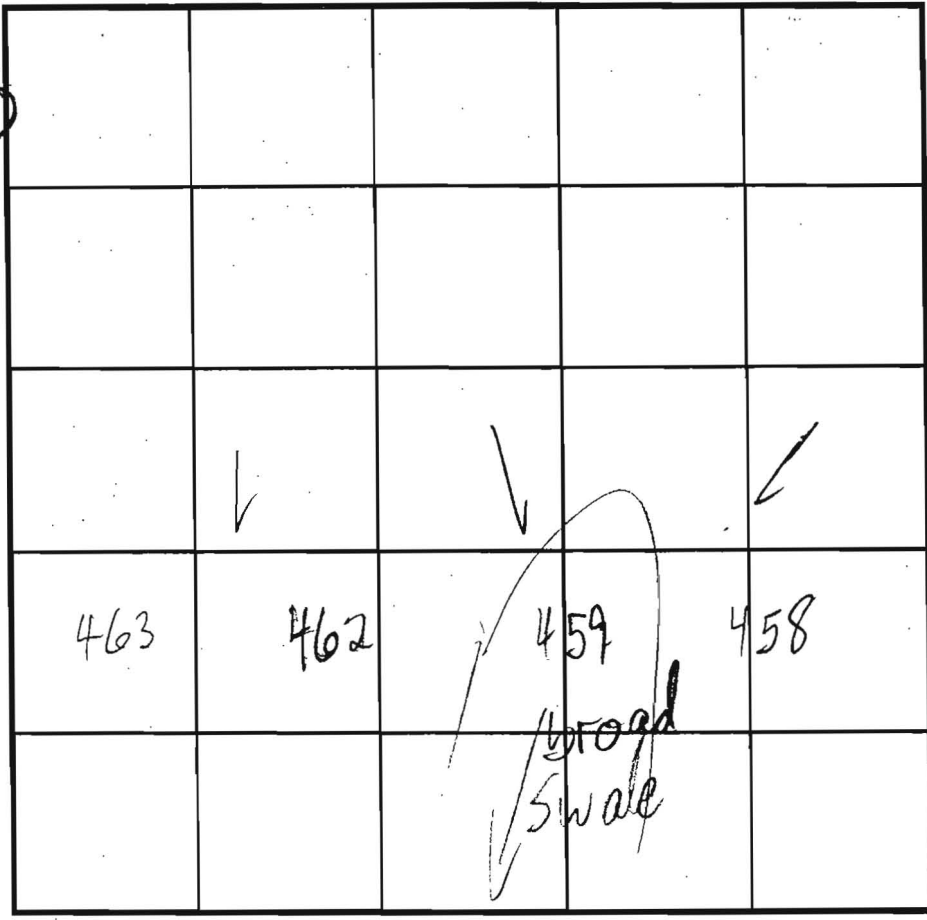
459

brn  
orange red  
cl lm  
10% frags

4 1/2

orange brn  
sac lm  
10%  
frags

13 1/2



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/16/51	463	5'9" / 14	2:07	2:09	2:09	2:11	2
	462	5'2" / 14	2:12	2:14	2:14	2:21	7
	459	5'9" / 13 1/2	2:20	2:22	2:22	2:26	4
	458	4 1/2' / 5 1/2	2:25 2:41	2:32 2:51	2:41 2:51	SLOW SLOW	
	458	5'2"	2:59	3:02	3:02	3:12	10

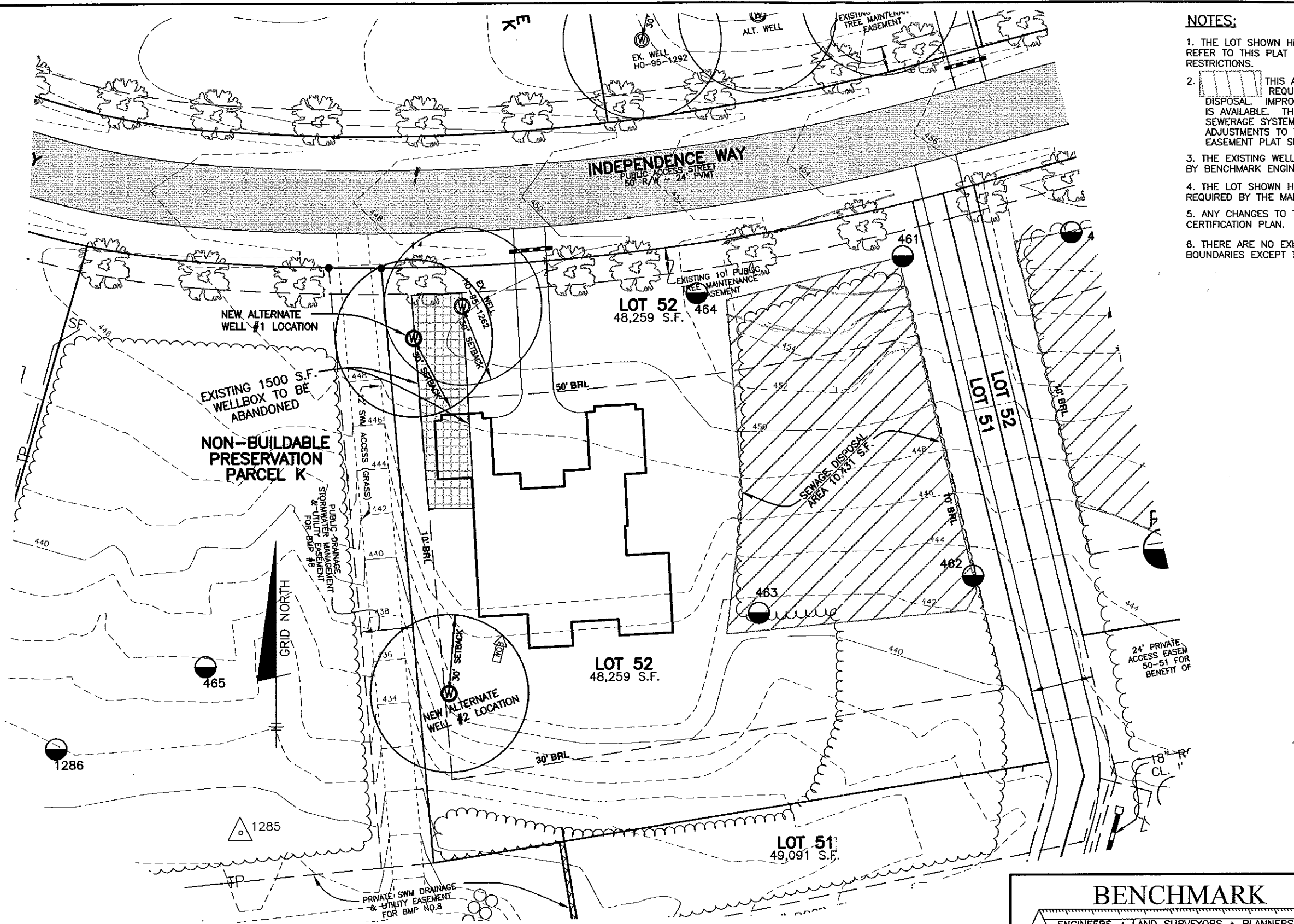
REMARKS ALL HOLES PER PLAN

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

TESTED BY Mark RIFKIN ALSO PRESENT Chuck Crow  
Mike Sacrew

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 18245. 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-95-1262) SHOWN ON THIS PLAN HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. ON 4-18-2008 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
- 507 PASSED PERC HOLE PER SP-02-013
- 513 FAILED PERC HOLE PER SP-02-013

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*  
 DAVID THOMPSON  
 PLAN PREPARER

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

*For [Signature]*  
 COUNTY HEALTH OFFICER  
 6/27/08  
 DATE

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

8480 BALTIMORE NATIONAL PIKE ▲ SUITE 418  
 ELLICOTT CITY, MARYLAND 21043  
 PHONE: 410-465-6105 FAX: 410-465-6644  
 www.bei-civilengineering.com

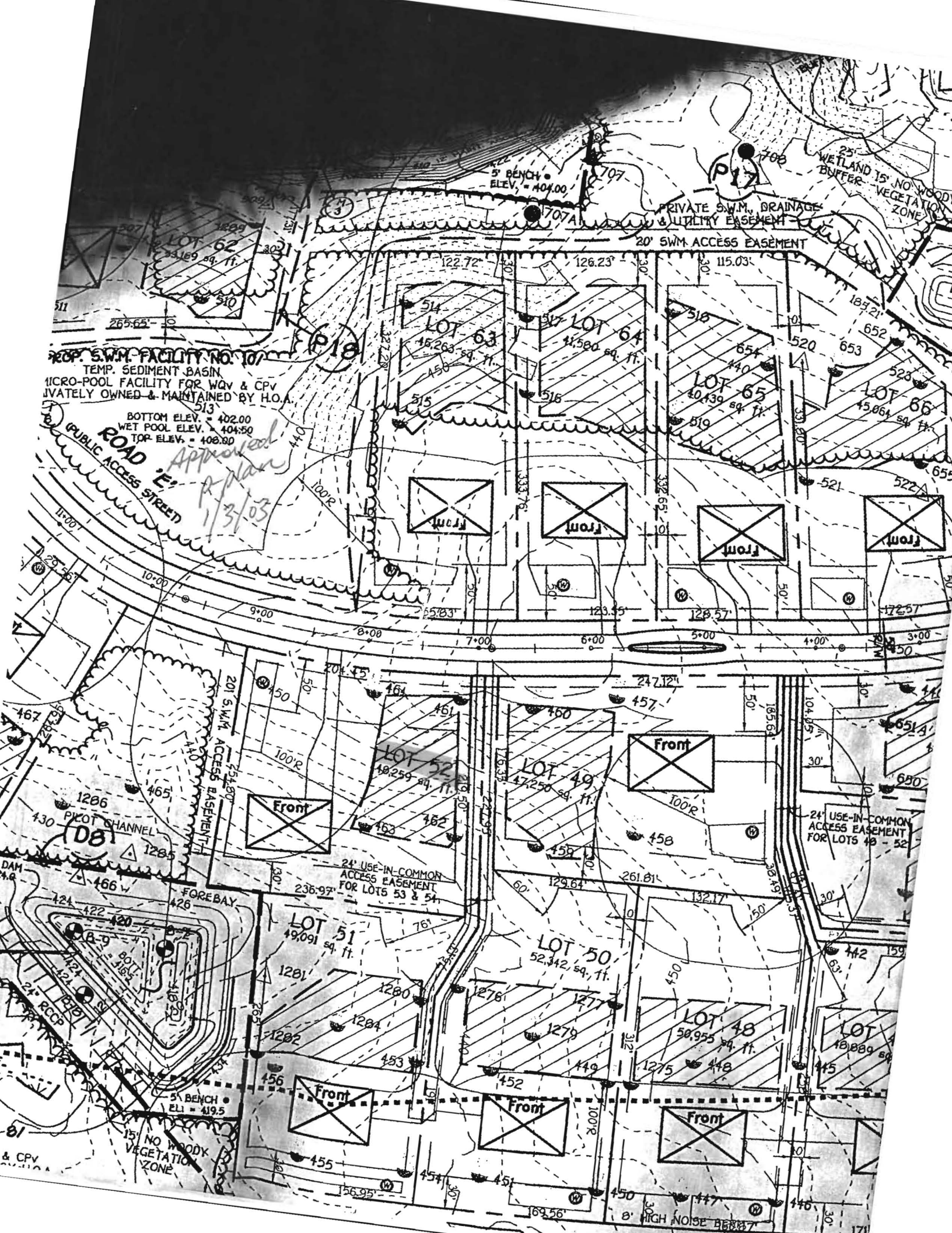
BUILDER: TOLL MD III LIMITED PARTNERSHIP  
 7164 COLUMBIA GATEWAY DRIVE  
 SUITE 230  
 COLUMBIA, MARYLAND 21046  
 410-872-9105

**HOMEWOOD CROSSING**  
**LOT 52**

11235 INDEPENDENCE WAY  
 TAX MAP 29, GRID 9 - PARCEL 28  
 3rd ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

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

DATE:	JUNE 18, 2008	PROJECT NO.	1913
SCALE:	1" = 40'	DRAWING	1 OF 1



TEMP. SEDIMENT BASIN  
MICRO-POOL FACILITY FOR WQV & CPV  
PRIVATELY OWNED & MAINTAINED BY H.O.A.  
BOTTOM ELEV. = 402.00  
WET POOL ELEV. = 404.50  
TOP ELEV. = 408.00

Approved  
11/3/03

PRIVATE SWM, DRAINAGE  
& UTILITY EASEMENT  
20' SWM ACCESS EASEMENT

25' WETLAND 15' NO WOODY  
VEGETATION BUFFER

24' USE-IN-COMMON  
ACCESS EASEMENT  
FOR LOTS 53 & 54

24' USE-IN-COMMON  
ACCESS EASEMENT  
FOR LOTS 49 - 52

15' NO WOODY  
VEGETATION  
ZONE

8' HIGH NOISE BARRIER