

# APPLICATION

PERCOLATION TESTING

A 515042

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

DISTRICT \_\_\_\_\_

DATE 4-13-01

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 Natalie Ziegler

ADDRESS 11352 Homewood Rd. PHONE 410 740-6880

AGENT OR PROSPECTIVE BUYER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION Benedict Farm LOT NO. \_\_\_\_\_

ROAD AND DESCRIPTION Rt 108 + Homewood Rd.

TAX MAP 29 PARCEL # 93/229

SIZE OF LOT 3.10 acres +/- 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.

Natalie Ziegler  
(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

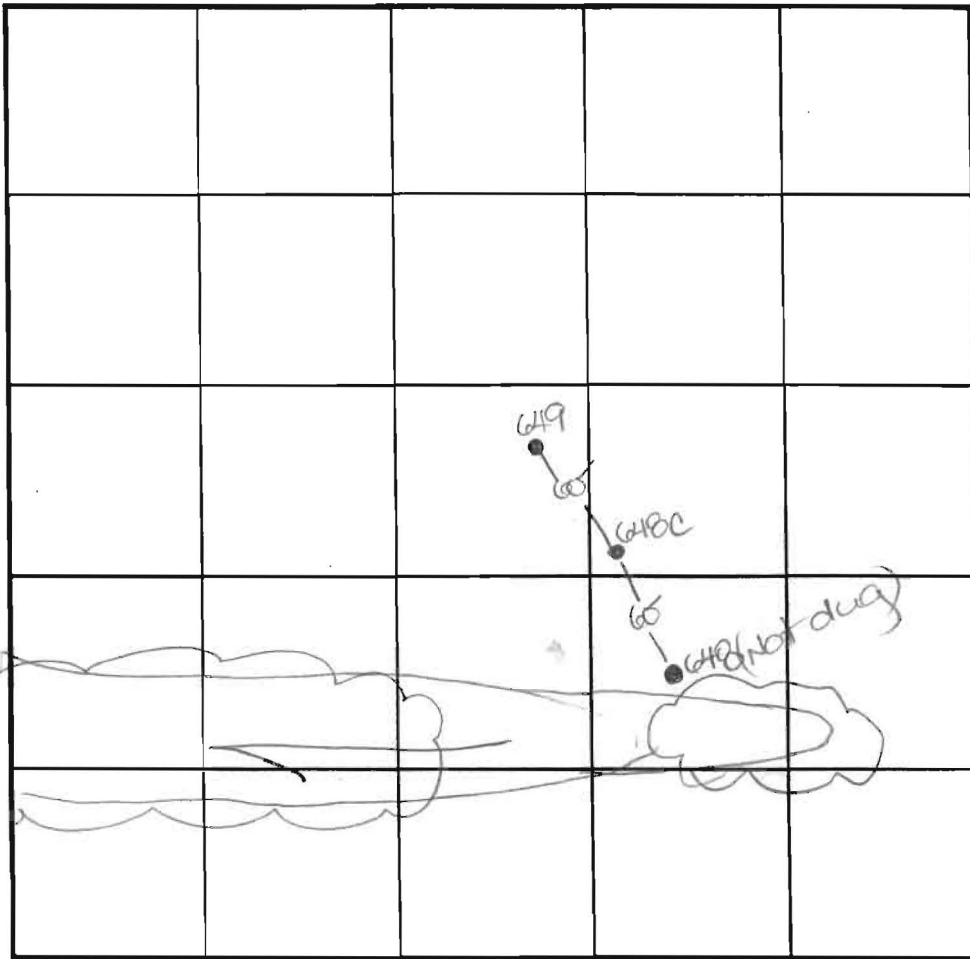
COUNTY #

SOIL PROFILE

0' 648C  
 1' topsoil  
 red brn cl lrh  
 4' med br si mica  
 lm  
 10% rock  
 13.5'

SOIL PROFILE

0'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6-14-0	648C	5.5' S	10:46	10:48	10:48	10:51	3
		13.5' D	visual	-sec	profile		OK

REMARKS

TYPE OF SOIL D/C DUE TO DROUGHT CONDITIONS,  
 TESTED BY D/C APPROVABLE HOLES MUST HAVE 8  
 TRENCH DESIGN DATA: FEET FROM OBSERVED  
 INLET DEPTH \_\_\_\_\_ GROUNDWATER TO BOTTOM OF  
 PROPOSED SEPTIC SYSTEM

SO PRESENT M. Johnson & crew  
Owners  
 TRENCH WIDTH \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_ FT/BEDROOM

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PROPERTY OWNER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

AGENT OR PROSPECTIVE BUYER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION Benedict Farm LOT NO. \_\_\_\_\_

ROAD AND DESCRIPTION \_\_\_\_\_

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 \_\_\_\_\_

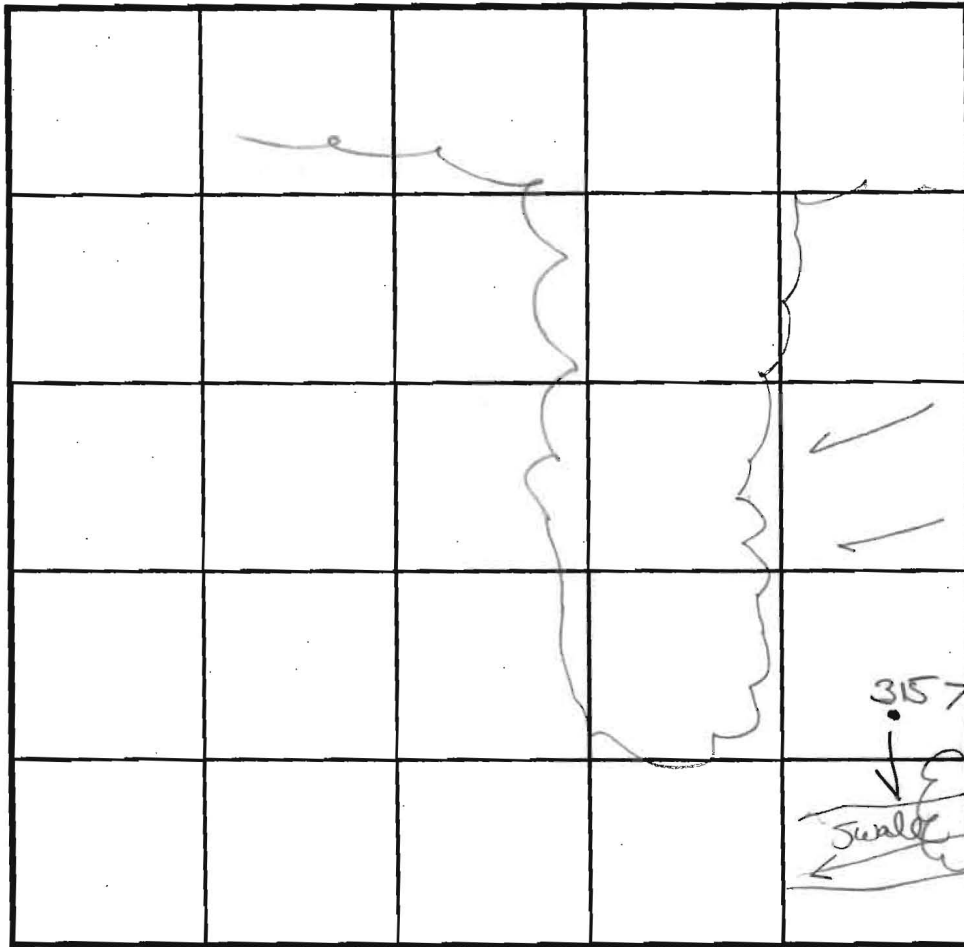
PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

# THIS IS NOT A PERMIT

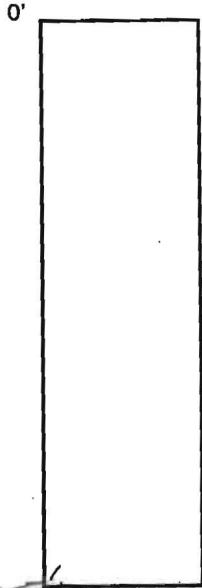
COUNTY #

SOIL PROFILE



SOIL PROFILE

0' 315  
 4 1/2' J.S.  
 org  
 DK brn  
 CLM  
 6'  
 brn  
 tan  
 Sa Lm  
 Rock 15-25%  
 14' Bottom



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8-31-01	<del>315</del>	6 1/2' S	11:10	11:15	11:15	11:23	8 min
	P	14' D	—————→				Pass

REMARKS LOT 32 HOLES PER PLAN

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

TESTED BY Goedeking ALSO PRESENT Chuck C  
Mike Sa crew

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

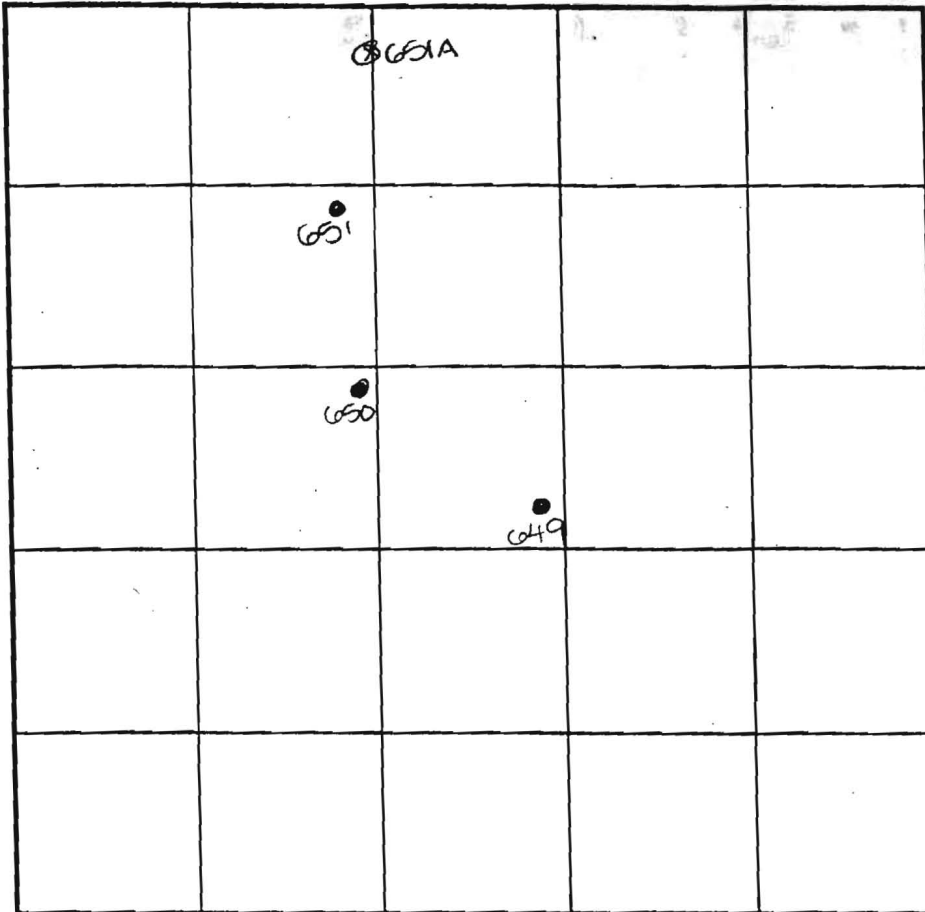
INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

COUNTY #

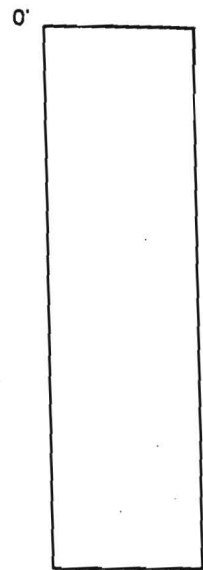
SOIL PROFILE

649 / 650

0' topsoil  
 1' med org  
 brn  
 cl lm  
 4.5' org beig  
 sa mica  
 lm  
 10-15%  
 rock  
 14'4"



SOIL PROFILE



0' 651  
 1' topsoil  
 4' org brn  
 cl lm  
 4.5' lt brn  
 sa mica  
 lm  
 14'5' 10% rock

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

0' 651A  
 1' topsoil  
 4' brn  
 cl lm  
 15' med  
 org brn  
 sa mica  
 lm  
 10-15%  
 rock

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5-30-01	649	4.5' S	2:04	2:07	2:07	2:10	4
		14'4" D	Visual - see profile				OK
	650	4'8" S	2:06	2:30	2:30	little slow	OK
		14.0' D	Visual - see profile				OK
	651	4.5' S	2:10	2:13	2:13	2:17	4
		14.5' D	Visual - see profile				OK
	651A	4.5' S	2:20	2:20	2:20	2:22	2
		15.0' D	Visual - see profile				OK

REMARKS

TYPE OF SOIL \_\_\_\_\_ DUE TO DROUGHT CONDITIONS,  
 TESTED BY D/C APPROVABLE HOLES MUST HAVE 8  
 TRENCH DESIGN DA FEET FROM OBSERVED  
 INLET DEPTH \_\_\_\_\_ GROUNDWATER TO BOTTOM OF  
 PROPOSED SEPTIC SYSTEM

ALSO PRESENT M. Johnson & crew  
 Owners  
 TRENCH WIDTH \_\_\_\_\_  
 SQ. FT./BEDROOM \_\_\_\_\_

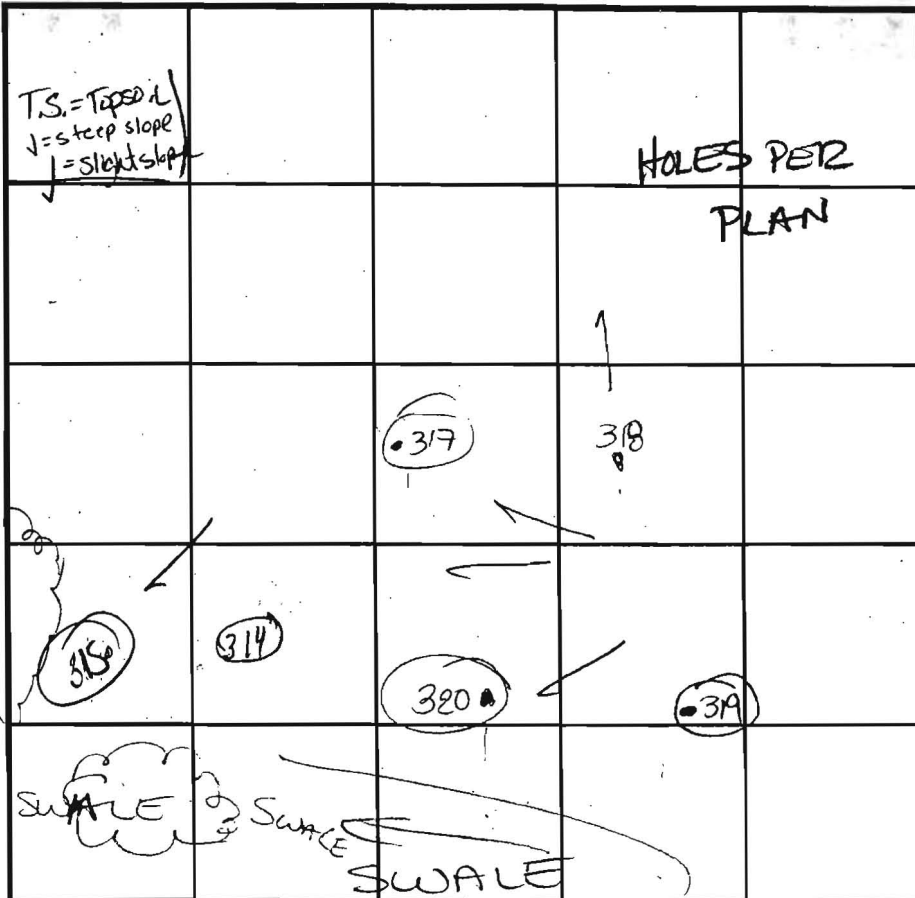
COUNTY #

SOIL PROFILE

0' (319)  
 Topsoil  
 Brn tan CLLM  
 4 1/2' SAP pocket  
 Micaeous SA LM  
 7' Lt brn beige  
 SAP @ 25-35%  
 13 1/2' Bottom

T.S. = Topsoil  
 ↓ = steep slope  
 ↘ = slight slope

HOLES PER PLAN



SOIL PROFILE

0' (317)  
 T.S.  
 4-6' Dk brn brn tan CLLM  
 5' Dk brn tan beige brn  
 Si LM  
 R. Frag ≤ 10%  
 14' Bottom

(318)  
 4-6" Topsoil  
 brn tan CLLM  
 3' beige brn off-white  
 Loam Rock Frag ≤ 10%  
 Bottom

W N E  
 S

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

(314)  
 4-6" Topsoil  
 Rd Dense clay Loam  
 4-4 1/2" tan lb brn  
 Si LM Frag 5%  
 Bottom

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8-31-01	P 319	5' 8" S	10:28	10:35	10:35	11:05	30 min OK
		6.5' / 13 1/2"	11:19	1:30 min			2 min
		7.5' / 15"	1:50	1:52	1:52	1:57	1 min repair OK
	<del>318</del>	5 S	10:32	10:33	10:33	10:34	1 min OK
		5 S	10:36 <sup>30</sup>	10:37 <sup>40</sup>	10:37 <sup>40</sup>	10:38 <sup>45</sup>	1:15 OK
		13 D					PASS
	P 320	5 S	10:45 <sup>00</sup>	10:46 <sup>30</sup>	10:46 <sup>30</sup>	10:49 <sup>30</sup>	3 min
		13 1/2" D					PASS
	P 317	6.5'	10:48	10:49	10:49	10:52 <sup>30</sup>	2 1/2 min
		14 D					PASS
	P 314	5' 4" S	10:58	11:02	11:02	11:07	5 min
		13 1/2" D					PASS

(320)  
 4-6" Topsoil  
 rd brn dk beige dk brn CLLM  
 3 1/2" micaeous Si LM  
 Rock & Sap 20-30%  
 Bottom

REMARKS: \*319 - Percs on SAP SIDE intermittent layering of clay  
 TYPE OF SOIL: Goedeeking  
 TESTED BY: Goedeeking ALSO PRESENT: Chuck C, Mike Sacrew  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME: \_\_\_\_\_ TRENCH WIDTH: \_\_\_\_\_  
 INLET DEPTH: \_\_\_\_\_ MAXIMUM BOTTOM DEPTH: \_\_\_\_\_ SQ. FT./BEDROOM: \_\_\_\_\_

COUNTY #

SOIL PROFILE

649A

topsoil

red brn  
cl loam

3.5'

4'

lt brn  
si mica  
lm

15%+  
rock

15'

650A

topsoil

org red  
brn  
cl lm

4'

bdge  
si mica  
lm

15-20%  
rock

14 1/2"

650B

topsoil

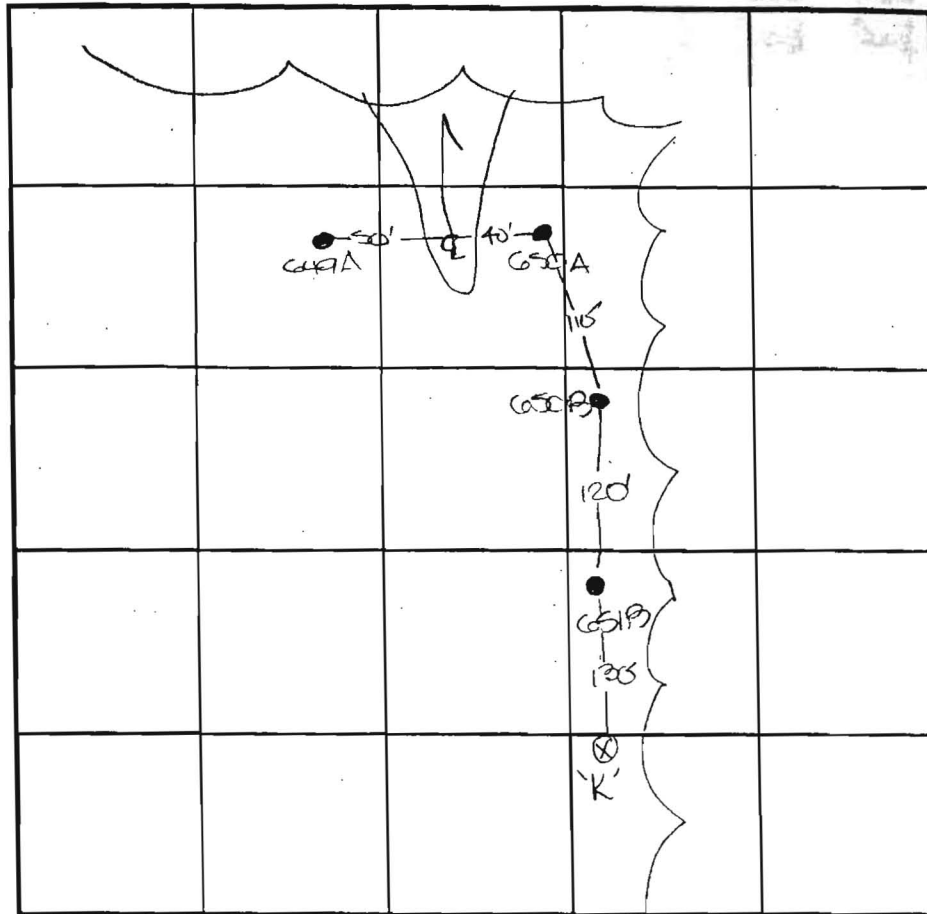
dk  
red brn  
cl lm

4'

org brn  
si mica  
lm

15%  
rock

13'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

651B

topsoil

red org  
brn  
cl lm

4'

org brn  
si mica  
lm

20%  
rock

13'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6-12-01	649A	5.0'S	2:58 <sub>2</sub>	3:01 <sub>2</sub>	3:01 <sub>2</sub>	3:04 <sub>2</sub>	3
		15.0'D	visual	-see	profile		OK
	650A	5.0'S	3:02 <sub>2</sub>	3:04 <sub>2</sub>	3:04 <sub>2</sub>	3:06 <sub>2</sub>	2
		14 1/2'D	visual	-see	profile		OK
	650B	5.5'S	3:06 <sub>3</sub>	3:07 <sub>3</sub>	3:07 <sub>3</sub>	3:12 <sub>3</sub>	5
		13.0'D	visual	-see	profile		OK
	651B	5.0'S	3:16 <sub>3</sub>	3:18 <sub>3</sub>	3:18 <sub>3</sub>	3:25 <sub>3</sub>	7
		13.0'D	visual	-see	profile		OK

REMARKS NOT STARTED BY ENG

TYPE OF SOIL \_\_\_\_\_ DUE TO DROUGHT CONDITIONS,  
 TESTED BY DJC APPROVABLE HOLES MUST HAVE 8  
 TRENCH DESIGN DATA: A FEET FROM OBSERVED  
 INLET DEPTH \_\_\_\_\_ GROUNDWATER TO BOTTOM OF  
 PROPOSED SEPTIC SYSTEM

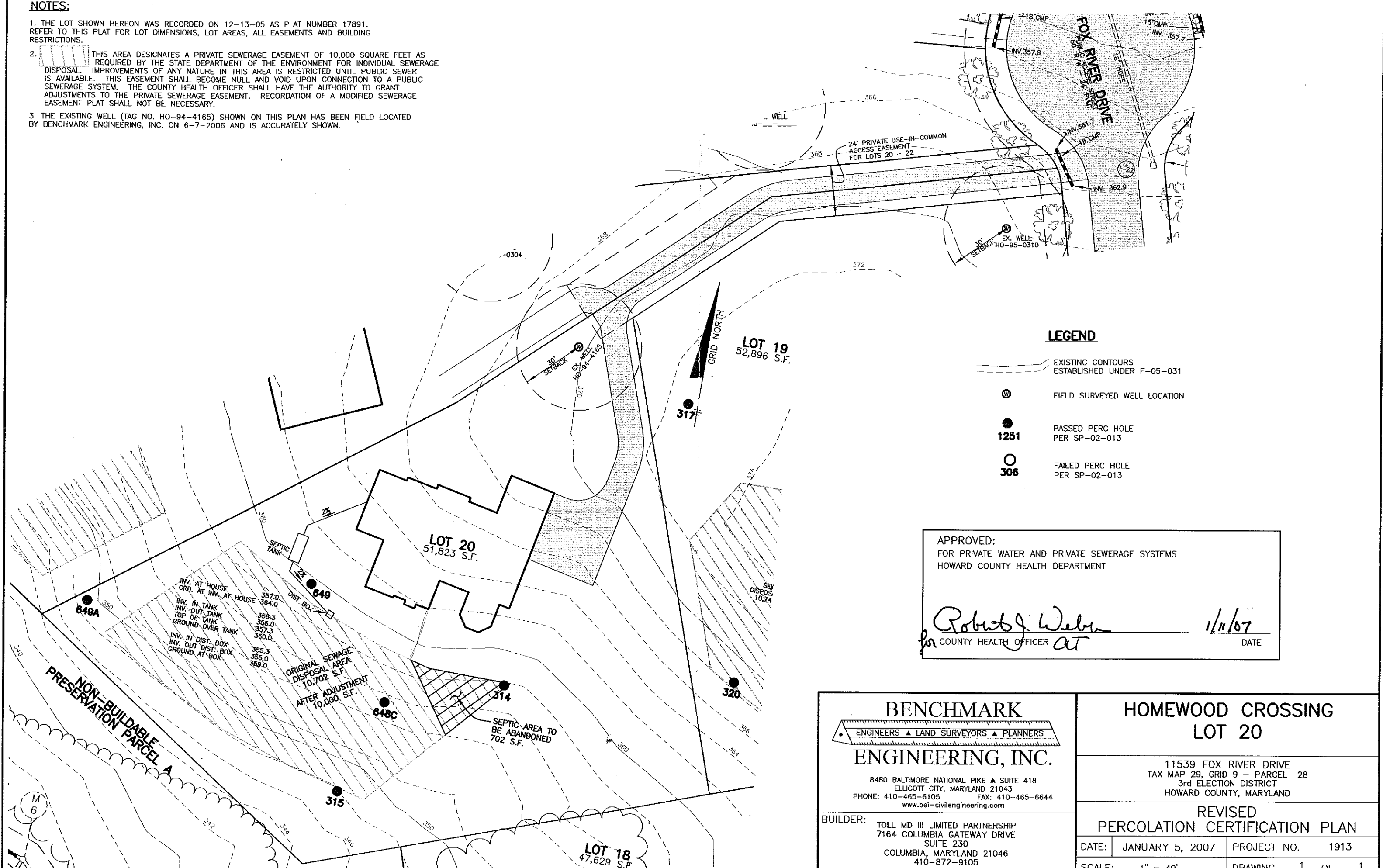
PRESENT M. Johnson & cre  
owners  
 TRENCH WIDTH \_\_\_\_\_  
 ) FT/BEDROOM \_\_\_\_\_

**NOTES:**

1. THE LOT SHOWN HEREON WAS RECORDED ON 12-13-05 AS PLAT NUMBER 17891. 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-94-4165) SHOWN ON THIS PLAN HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. ON 6-7-2006 AND IS ACCURATELY SHOWN.



**LEGEND**

- EXISTING CONTOURS ESTABLISHED UNDER F-05-031
- FIELD SURVEYED WELL LOCATION
- PASSED PERC HOLE PER SP-02-013  
**1251**
- FAILED PERC HOLE PER SP-02-013  
**308**

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

*Robert J. Weber*  
for COUNTY HEALTH OFFICER *at*

*1/11/07*  
DATE

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

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

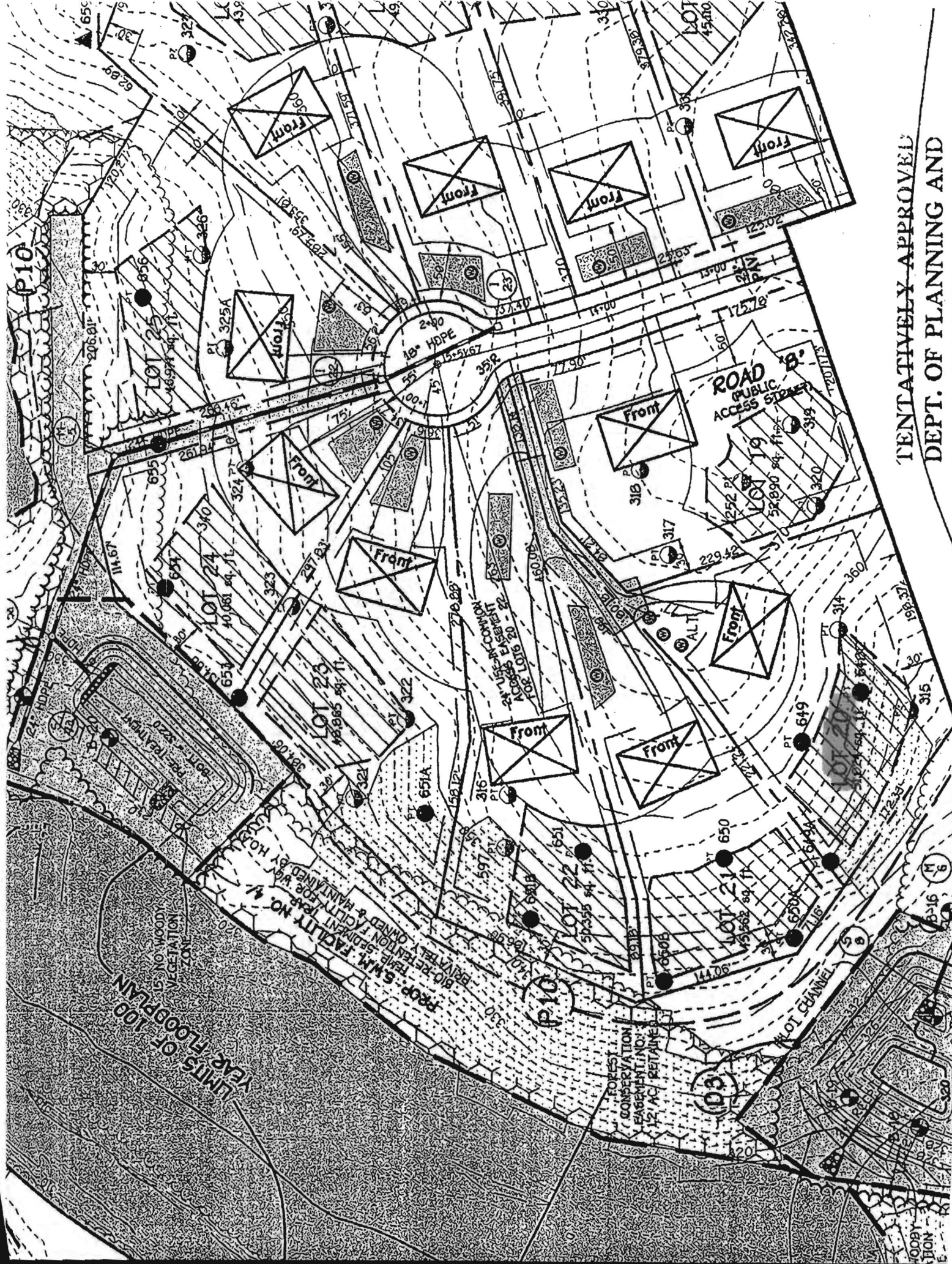
BUILDER: TOLL MD III LIMITED PARTNERSHIP  
7164 COLUMBIA GATEWAY DRIVE  
SUITE 230  
COLUMBIA, MARYLAND 21046  
410-872-9105

**HOMEWOOD CROSSING  
LOT 20**

11539 FOX RIVER DRIVE  
TAX MAP 29, GRID 9 - PARCEL 28  
3rd ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

**REVISED  
PERCOLATION CERTIFICATION PLAN**

DATE:	JANUARY 5, 2007	PROJECT NO.	1913
SCALE:	1" = 40'	DRAWING	<u>1</u> OF <u>1</u>



TENTATIVELY APPROVED  
 DEPT. OF PLANNING AND  
 ZONING OF

LIMITS OF 100  
 YEAR FLOODPLAIN

PROP. S.M. FACILITY NO. 4  
 BIO-RETENTION FACILITY FOR  
 RETAINMENT OF WATER  
 MAINTAINED BY HOSEA

FOREST  
 CONSERVATION  
 EASEMENT NO. 1  
 12 AC RETAINED

ROAD  
 PUBLIC  
 ACCESS STRAIGHT

Front

Front

Front

Front

Front

Front

Front

Front

Front

Front

65°

LOT 25

LOT 24

LOT 23

LOT 22

LOT 21

327°

325A

324

322

320

318

319

317

316

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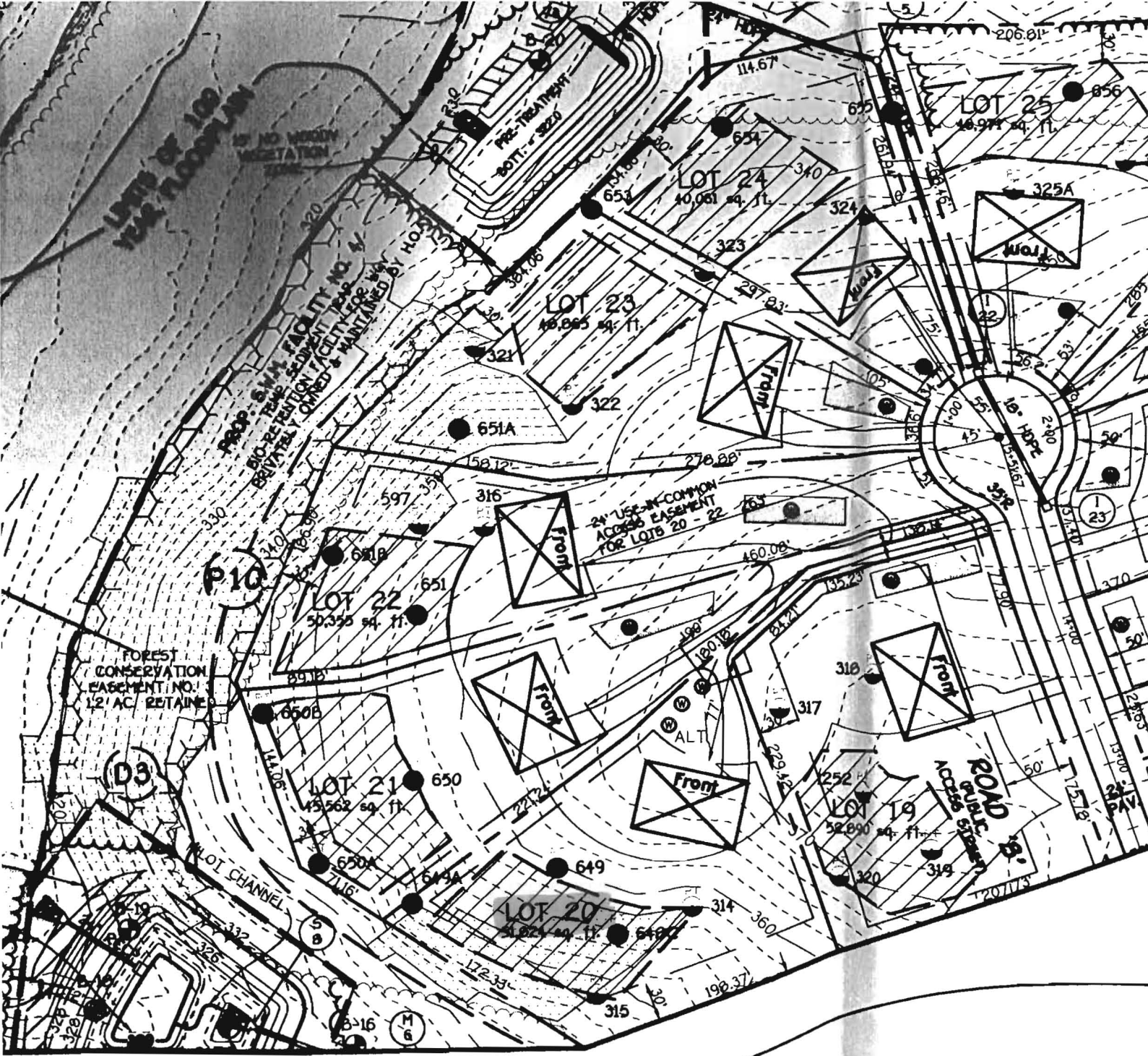
5

4

3

2

1



MATCH LINE SEE SHEET 3

PRIVATE SEWERAGE SYSTEMS.

1/3/03

DATE

(KN)

**OWNER**

CARTER, CARROLL, ZIGLER ET.AL  
 C/O NATALIE ZIGLER  
 11352 HOMEWOOD ROAD  
 ELLICOTT CITY, MARYLAND 21042

**DEVELOPER**

TOLL  
 ATTN:  
 7164 COLUMBIA  
 COLUMBI

SP02-13  
 Signed 1/3/03