

# APPLICATION

max  
6/18/01  
10.00

PERCOLATION TESTING

A 515221

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH

3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

Establish SPA  
for ex lot of record  
DICO

DISTRICT \_\_\_\_\_

DATE 4/30/2001

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 ESTATE OF ELISE SPICKARD

ADDRESS LOT UPTON RD PHONE \_\_\_\_\_

AGENT OR PROSPECTIVE BUYER KRIS TURNER CATON REALTY

ADDRESS 9339 BALTO. NAT PIKE PHONE 410-465-8300

PROPERTY LOCATION:

SUBDIVISION ~~UPTON RD~~ Spickard Prop LOT NO. \_\_\_\_\_

ROAD AND DESCRIPTION UPTON RD, ELLICOTT CITY, MD 21042  
MACADAM TAEN PAPER RD

TAX MAP 24 PARCEL # 455

SIZE OF LOT 1.2092 Acres TYPE BLDG. SINGLE FAMILY Dwelling  
(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.

Kristine Turner  
(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

21/27

0'

topsoil

1'

duill  
arg brn  
cl lm

2'

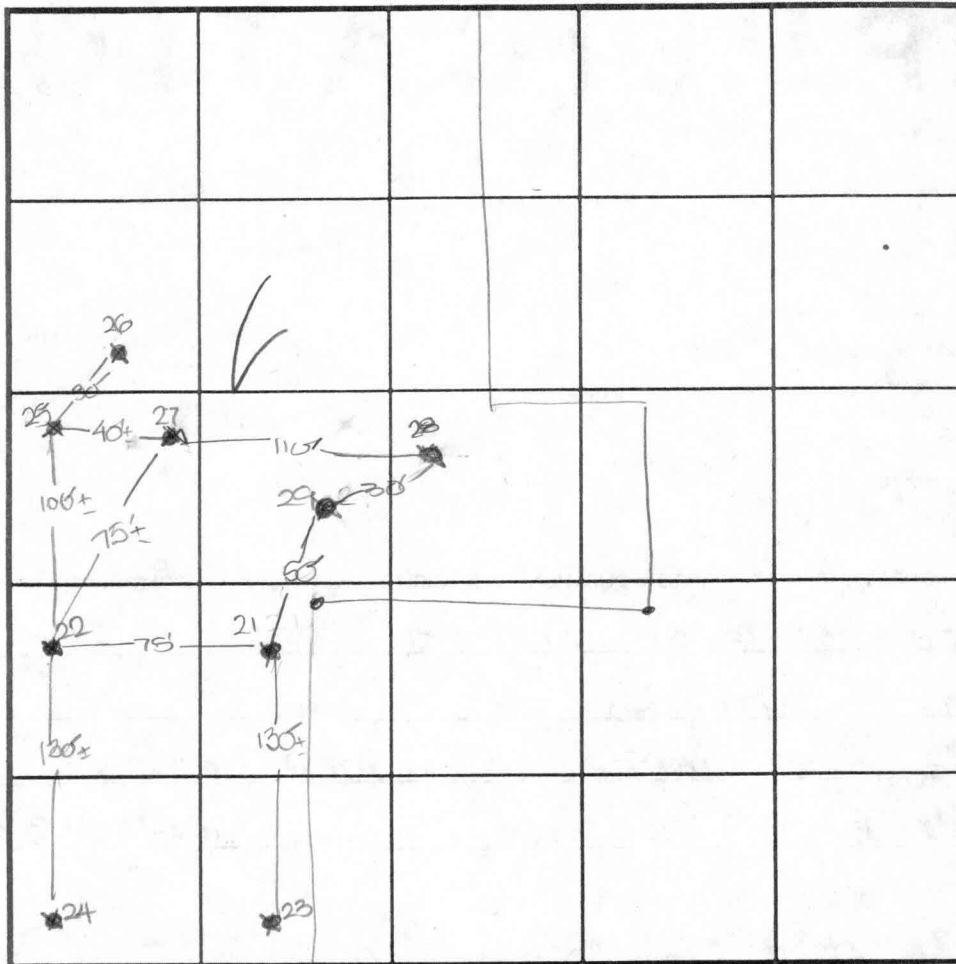
org  
lt brn  
sa mica  
lm

5-10%  
rock

15'

SOIL PROFILE

0'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Upper Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6-18-01	21	4.5'S	10:37 <sub>3</sub>	10:54	10:54	11:30	OK below
		15.0'D	visual	-see profile			OK
	22	4.5'S	10:46	slow	→		OK below
		15.0'D	visual	-see profile			OK
	23	12.5'D	water	(seepage @ 9.5')			FAIL
	24	14.0'D	water	(seepage @ 12.0')			FAIL
	29	5.5'S	2:01 <sub>3</sub>	2:04 <sub>3</sub>	2:04 <sub>3</sub>	2:09	5
		13.5'D	visual	-see profile			OK
	27	5.5'S	12:54	12:56 <sub>2</sub>	12:56 <sub>2</sub>	1:01	5
		15.0'D	visual	-see profile			OK

REMARKS lot heavily wooded - test holes not staked

TYPE OF SOIL (use holes 21, 22, 27, 29)

TESTED BY DKC ALSO PRESENT Mr. Goodman Ms. Turner

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 5 TRENCH WIDTH 3

INLET DEPTH 4.5 MAXIMUM BOTTOM DEPTH 6.5 SQ. FT./BEDROOM 180

22

like

(21)

4/5%  
rock

15'

29

like 21

0/

30%+  
rock

13.5'

COUNTY #

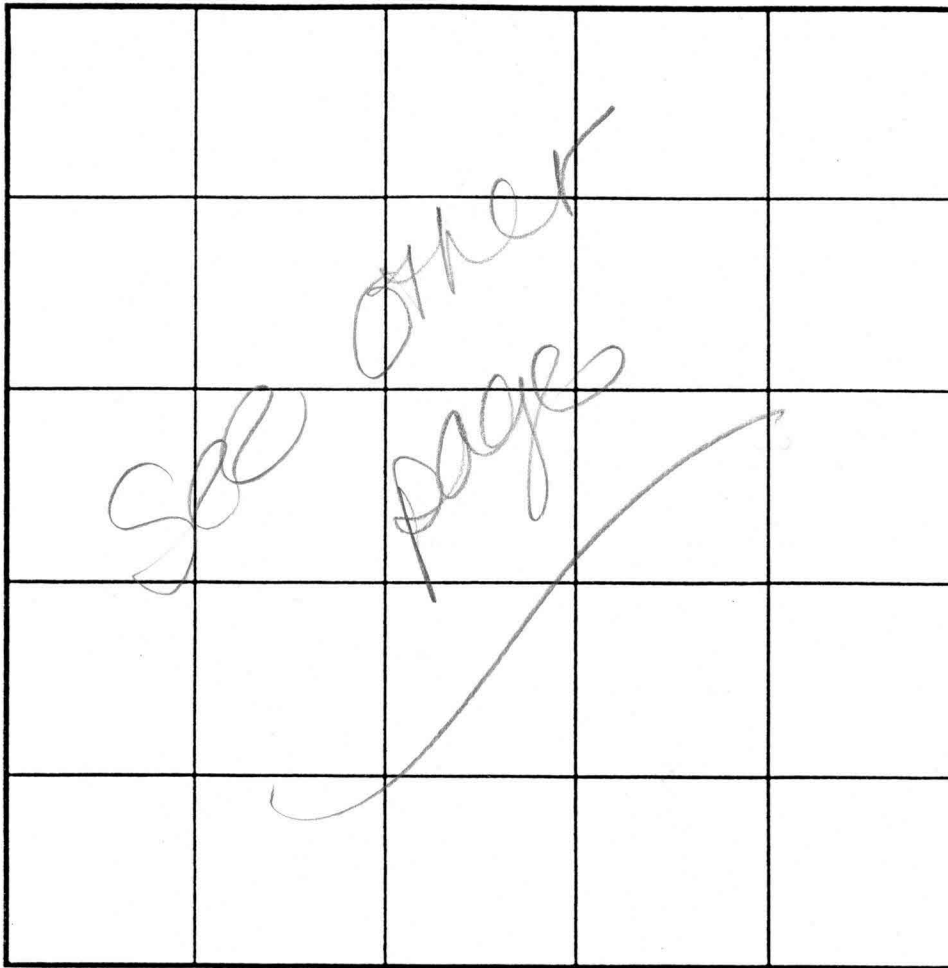
SOIL PROFILE

0'

Empty vertical box for soil profile data.

Empty vertical box for soil profile data.

Empty vertical box for soil profile data.



SOIL PROFILE

0'

Empty vertical box for soil profile data.

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6-18-01	25	7.0'D	Refusal				FAIL
	26	6.0'D	Refusal				FAIL
	28	4.0'D	Refusal				FAIL

REMARKS \_\_\_\_\_

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

TESTED BY DKC ALSO PRESENT Mr. Goodman, Ms. Turner

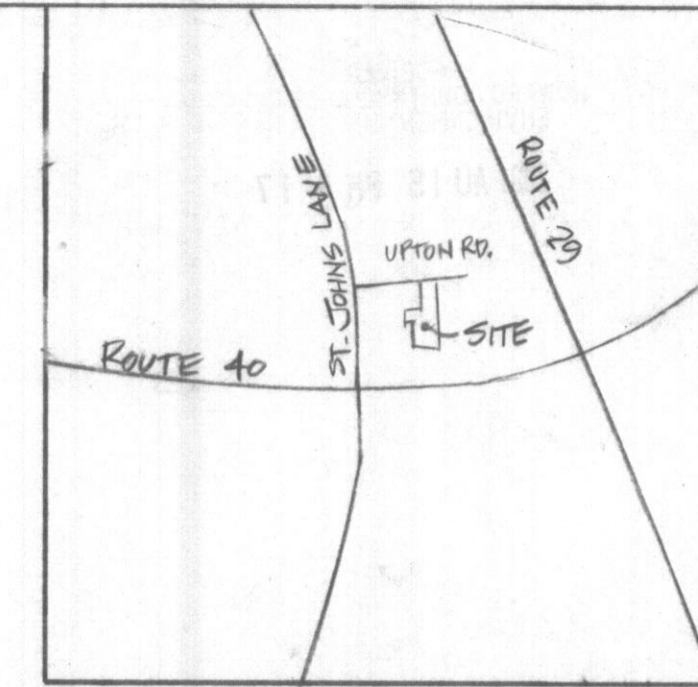
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

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

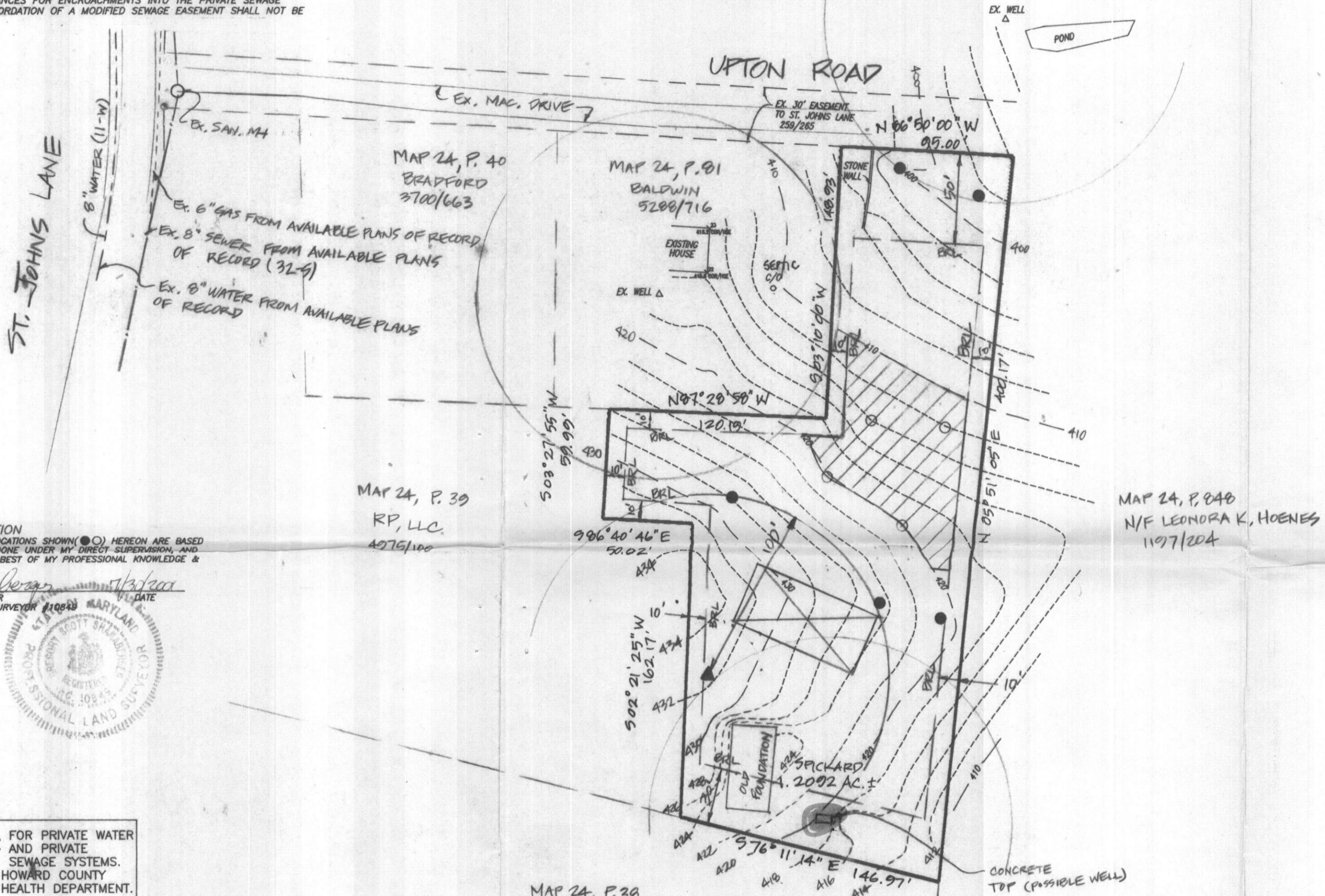
NOTES:

1. THE TOPOGRAPHY SHOWN HEREON WAS FIELD RUN BY SHANABERGER & LANE ON JULY 20, 2001.
2. B.R.L. DESIGNATES BUILDING RESTRICTION LINE  
 ● DESIGNATES FAILED PERC TEST  
 ○ DESIGNATES APPROVED PERC TEST  
 ☒ DESIGNATES PROPOSED HOUSE
3. THIS AREA DESIGNATES A PROPOSED PRIVATE SEWAGE EASEMENT AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

4. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP AND LOT AREA AS REQUIRED BY THE MD STATE DEPARTMENT OF THE ENVIRONMENT.
5. SUBJECT PROPERTY ZONED: R-20
6. ALL VISIBLE WELLS AND SEPTIC SYSTEMS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN HEREON.
7. BEARINGS AND DISTANCES SHOWN HEREON ARE FROM A BOUNDARY SURVEY PERFORMED BY SHANABERGER & LANE IN FEB., 2001
8. ▲ DESIGNATES PROPOSED WELL



VICINITY MAP  
SCALE: 1" = 1200'



2/4/02 Driller reported that concrete slab has nothing to do with a well. (BB)

PERC CERTIFICATION  
I CERTIFY THAT THE LOCATIONS SHOWN (●○) HEREON ARE BASED ON FIELD LOCATIONS DONE UNDER MY DIRECT SUPERVISION, AND ARE CORRECT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE & BELIEF.

G. SCOTT SHANABERGER  
PROFESSIONAL LAND SURVEYOR #10048



APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS.  
HOWARD COUNTY HEALTH DEPARTMENT.

Dianna Mastal 8/14/01  
COUNTY HEALTH OFFICER DATE

SHANABERGER & LANE  
8726 TOWN & COUNTRY BLVD.  
SUITE 201  
ELLCOTT CITY, MD. 21043  
PHONE: 410-461-9563  
FAX: 410-461-9693

*Signed*  
FIELD-LOCATED PERC TEST PLAT  
SPICKARD PROPERTY  
L.259/265  
TAX MAP 24 BLOCK 5 PARCEL 455  
2ND ELECTION DIST. HOWARD CO.,MD.  
SCALE: 1"=50' JULY 27, 2001 REV. 8/14/01

NOTES:

1. THE TOPOGRAPHY SHOWN HEREON WAS FIELD RUN BY SHANABERGER & LANE ON JULY 20, 2001
  2. B.R.L. DESIGNATES BUILDING RESTRICTION LINE
  - DESIGNATES FAILED PERC TEST  
○ DESIGNATES APPROVED PERC TEST
  3. THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY. THERE IS A 10,000 S.F. MINIMUM RESTRICTION ON THE SEWAGE EASEMENT.
  4. SUBJECT PROPERTY ZONED: R-20
  5. BEARINGS AND DISTANCES SHOWN HEREON ARE FROM TITLE DEED L.259, F. 265
  6. TOTAL AREA DISTURBED: 16,035 sq ft
  7. ■■■■■ DESIGNATES LIMIT OF DISTURBANCE  
▨ DESIGNATES APPROVED SEPTIC AREA
  - SF—SF— DESIGNATES PROPOSED SILT FENCE
  - DESIGNATES LINE SHORTENED FOR DRAFTING PURPOSES
  - ~ DESIGNATES WOODS LINE
8. GRAVITY SEWER SERVICE TO BASEMENT IS AVAILABLE.

SEPTIC SYSTEM DATA

INV. AT HOUSE 418.5

SEPTIC TANK

EX. GRADE 421.0  
FIN. GRADE 421.2  
INV. IN 418.1  
INV. OUT 417.8

DISTRIBUTION BOX

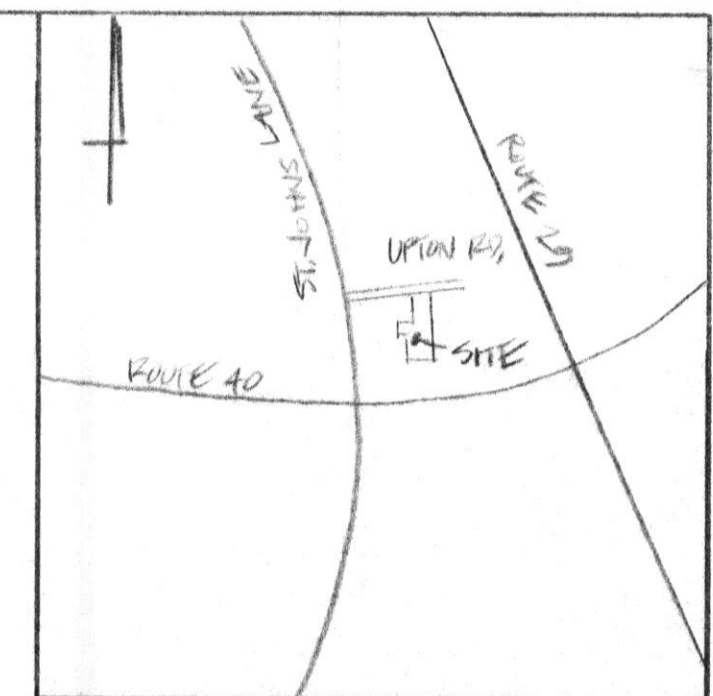
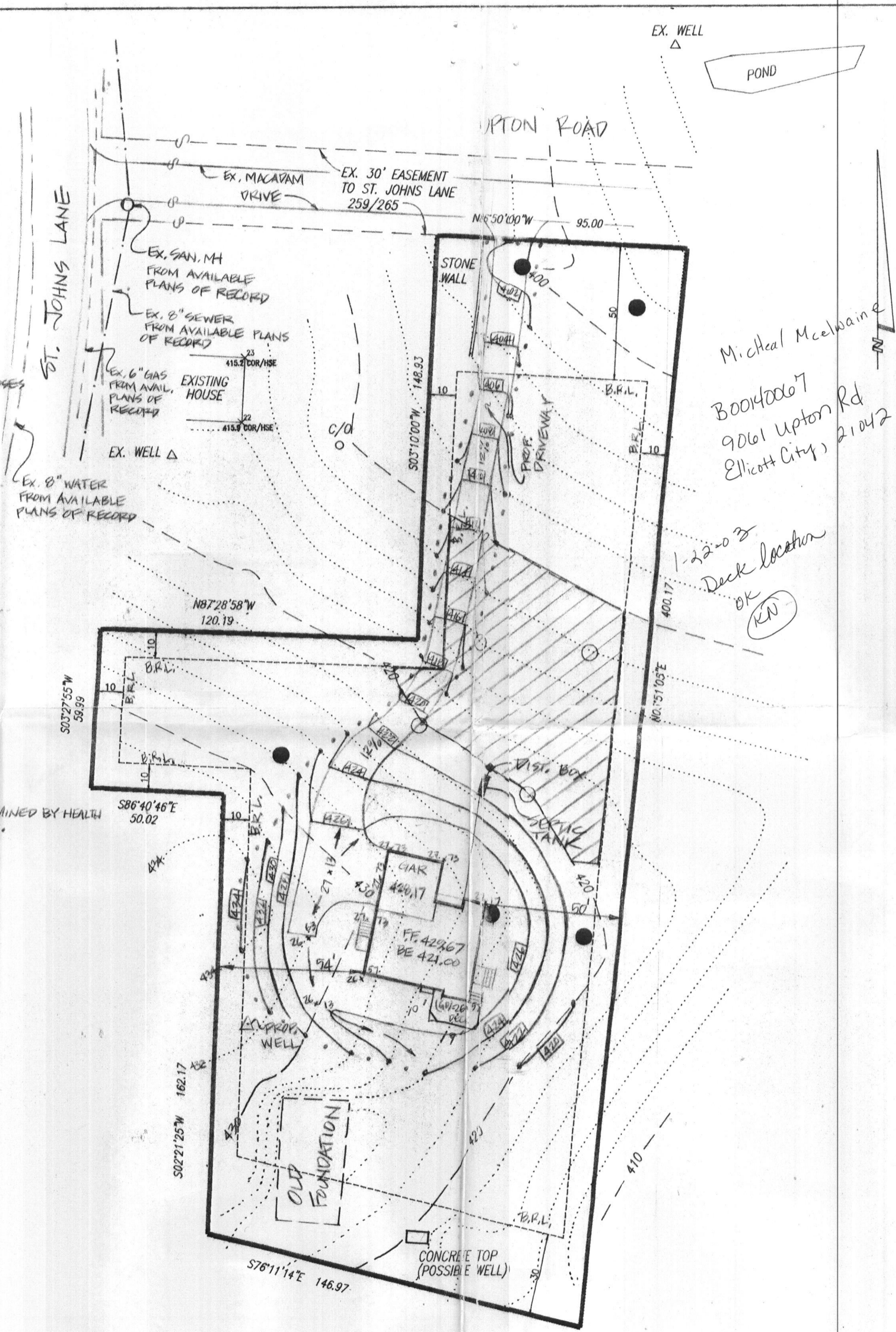
EX. GRADE 420.0  
FIN. GRADE 420.0  
INV. IN 417.5  
INV. OUT 417.3

TRENCHES

INLET DEPTH: 4.5'  
BOTTOM DEPTH: 6.5'  
WIDTH: 3'

NOTE: TRENCH LENGTH AND ORIENTATION TO BE DETERMINED BY HEALTH DEPT. @ TIME OF SEPTIC SYSTEM LAYOUT INSPECTION.

NOTE: TRENCHES TO BE INSTALLED PRIOR TO FILL \* IN SEPTIC AREA.



VICINITY MAP  
SCALE: 1"=1200'



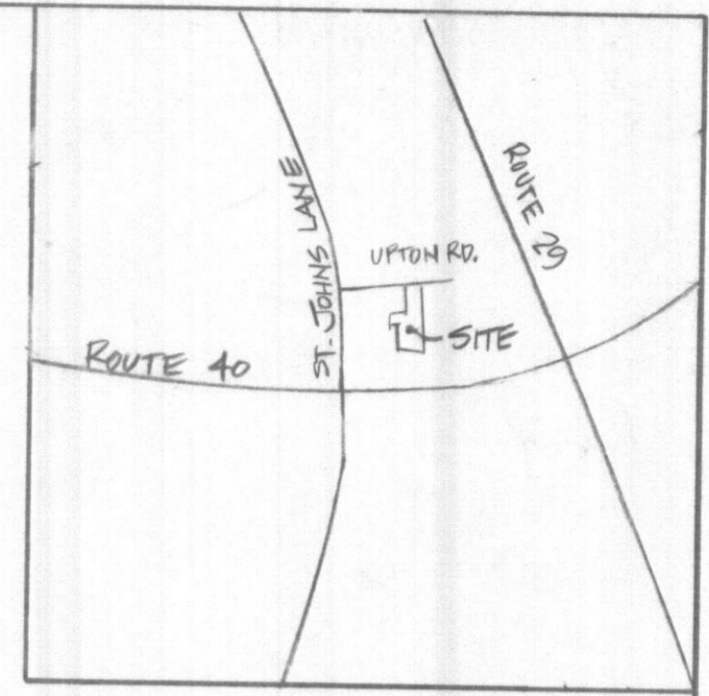
Shanaberger & Lane  
8726 TOWN & COUNTRY BLVD.  
SUITE 201  
ELLCOTT CITY, MD. 21043  
PHONE: 410-461-9563  
FAX: 410-461-9693

SITE PLAN  
SPICKARD PROPERTY  
L.259/265  
TAX MAP 24 BLOCK 5 PARCEL 455  
2ND ELECTION DIST. HOWARD CO.,MD.  
SCALE: 1"=30' OCTOBER 16, 2001

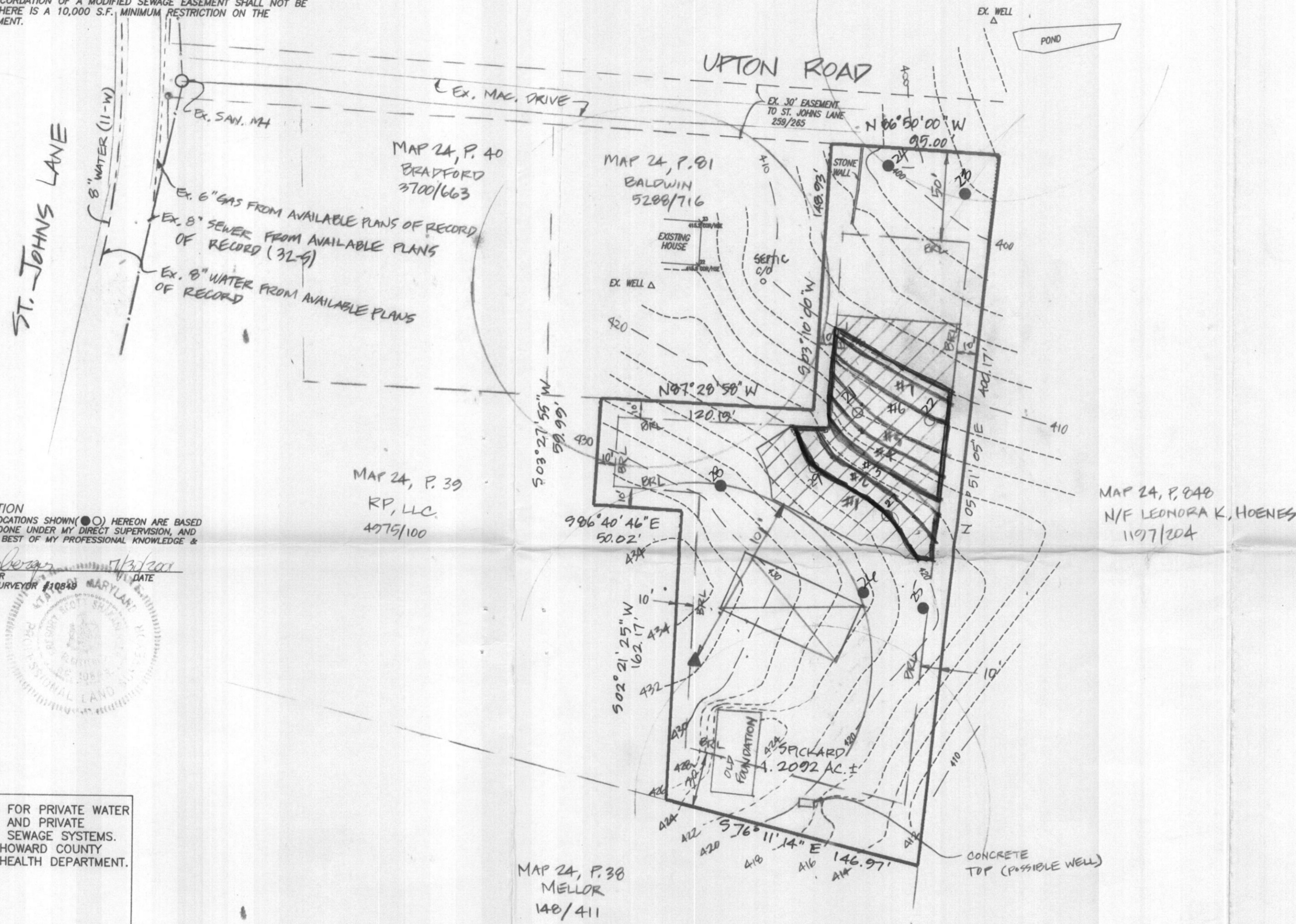
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8. ▲ DESIGNATES PROPOSED WELL



VICINITY MAP  
SCALE: 1" = 1200'



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I CERTIFY THAT THE LOCATIONS SHOWN (●) HEREON ARE BASED ON FIELD-LOCATIONS DONE UNDER MY DIRECT SUPERVISION, AND ARE CORRECT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE & SKILL.  
G. SCOTT SHANABERGER  
PROFESSIONAL LAND SURVEYOR #10848  
DATE 7/23/01



APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS.  
HOWARD COUNTY HEALTH DEPARTMENT.

COUNTY HEALTH OFFICER DATE

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8726 TOWN & COUNTRY BLVD.  
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ELLCOTT CITY, MD. 21043  
PHONE: 410-461-9563  
FAX: 410-461-9693

TRENCHES

#1	100'
#2	90'
#3	75'
#4	75'
#5	76'
#6	74'
#7	73'

503' (4) TOTAL

FIELD-LOCATED PERC TEST PLAT  
SPICKARD PROPERTY  
L.259/265  
TAX MAP 24 BLOCK 5 PARCEL 455  
2ND ELECTION DIST. HOWARD CO.,MD.  
SCALE: 1" = 50' JULY 27, 2001