

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AVP 529499

AGENCY REVIEW: _____

DATE 7/29/08

DO NOT WRITE ABOVE THIS LINE

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S) TO:

CHECK AS NEEDED:

- CONSTRUCT NEW SEPTIC SYSTEM(S)
- REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
- REPLACE AN EXISTING SEPTIC SYSTEM

CHECK AS NEEDED:

- NEW STRUCTURE(S)
- ADDITION TO AN EXISTING STRUCTURE
- REPLACE AN EXISTING STRUCTURE

CHECK ONE:

- CREATE NEW LOT(S)
- BUILD ON AN EXISTING LOT IN A SUBDIVISION
- BUILD ON AN EXISTING PARCEL OF RECORD

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- YES
- NO

THE TYPE OF STRUCTURE IS:

- RESIDENTIAL WITH 15 PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE UNKNOWN IF APPROPRIATE)
- COMMERCIAL (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/ CUSTOMERS ON ACCOMPANYING PLAN)
- INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) Martin & Julie Madden

DAYTIME PHONE 3015969788 CELL 3017063216 FAX N/A

MAILING ADDRESS 11524 Crows Nest Rd Clarksville Md 21029
STREET CITY/TOWN STATE ZIP

APPLICANT Ellen James

DAYTIME PHONE 4103817883 CELL same FAX 4104421271

MAILING ADDRESS 1816 Daisy Rd Woodbine Md 21797
STREET CITY/TOWN STATE ZIP

APPLICANT'S ROLE: DEVELOPER BUILDER BUYER RELATIVE/FRIEND REALTOR CONSULTANT

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME Clarksville Ridge (meadows) LOT NO. _____

PROPERTY ADDRESS 11524 Crows Nest Rd Clarksville 21029
STREET TOWN/POST OFFICE

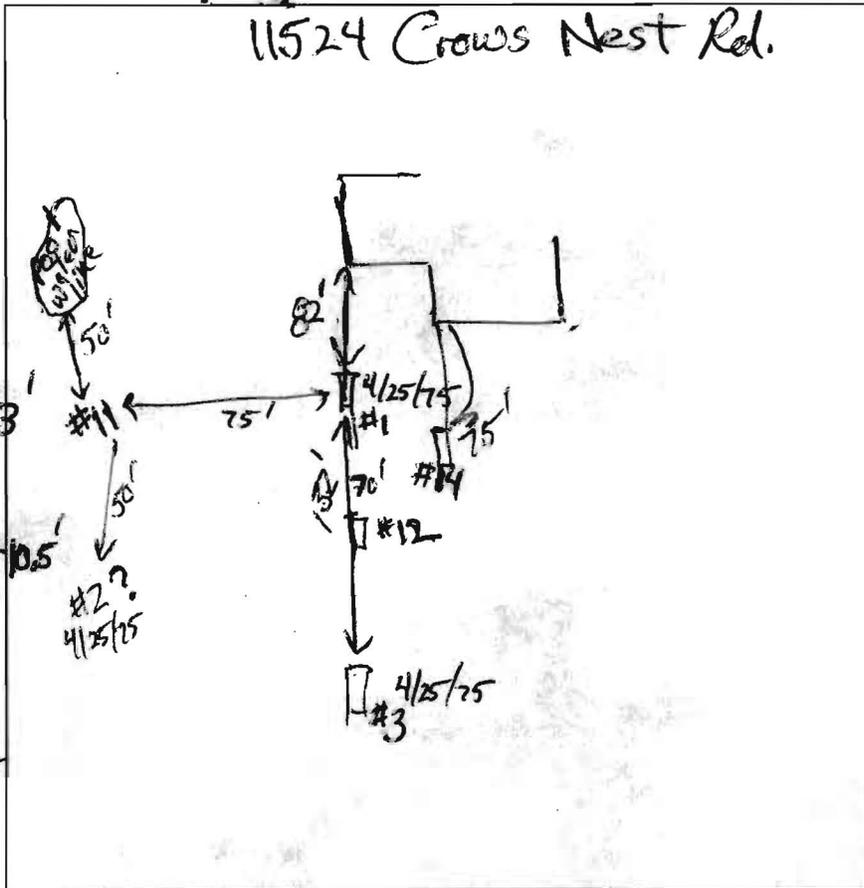
AX MAP PAGE(S) _____ GRID _____ PARCEL(S) _____ PROPOSED LOT SIZE _____

AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A DETAILED SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "UNASSURED UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN. TEST RESULTS WILL BE MAILED TO APPLICANT.

Ellen James
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-1771 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

11524 Crows Nest Rd.



AP
#11
0.3' brns l
red-brn scl
2' 2 msbk
brns l
sapro lite
common mica
3' black, tan
& brn sl
common mica
Variegated
pk red, white
black, tan
fst saprolite
14'

#12
0.3' dk brns l
brn sl
1.5' 2 fsbk
brn to
red-brn scl
7' many mica
black, tan
& brown sl
many mica
12' black & brown ls
muscovite
13' schist

#74
0.8' brn gsl
red-brn
2.5' sel 3msbk
common mica
brn sl
3.5' red-brn sl
many mica
7' brn sl
many mica
few
channels
10' brn chl
1' micaceous
12' ↓

#13
0.3' brns l
red-brn scl
3msbk
to 2msbk
3' red-brn sl
many mica
6' blk, tan, brn
fst, many mica
R.5' blk, grey
& red
chls
13' ↓

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8/8/08	12	3.5' 13'	11:46	11:48	11:51	3	P
8/8/08	B	12.5'	Visual 3' to 8'	side wall OK 2min - 5min perc			P
8/8/08	14	12'+	Visual	side wall OK 3' to 8'			P

REMARKS _____
 SANITARIAN RB BACKHOE Todd OTHERS Ellen James
Martin Madden
 TEST HOLES USED IN SDA 11-14 & AVG. PERC TIME 3 min SQ. FT/BR 125
 TRENCH WIDTH 203 INLET DEPTH 203 MAX. BOT DEPTH 6 to 8 EFFECTIVE S/W AS
needed



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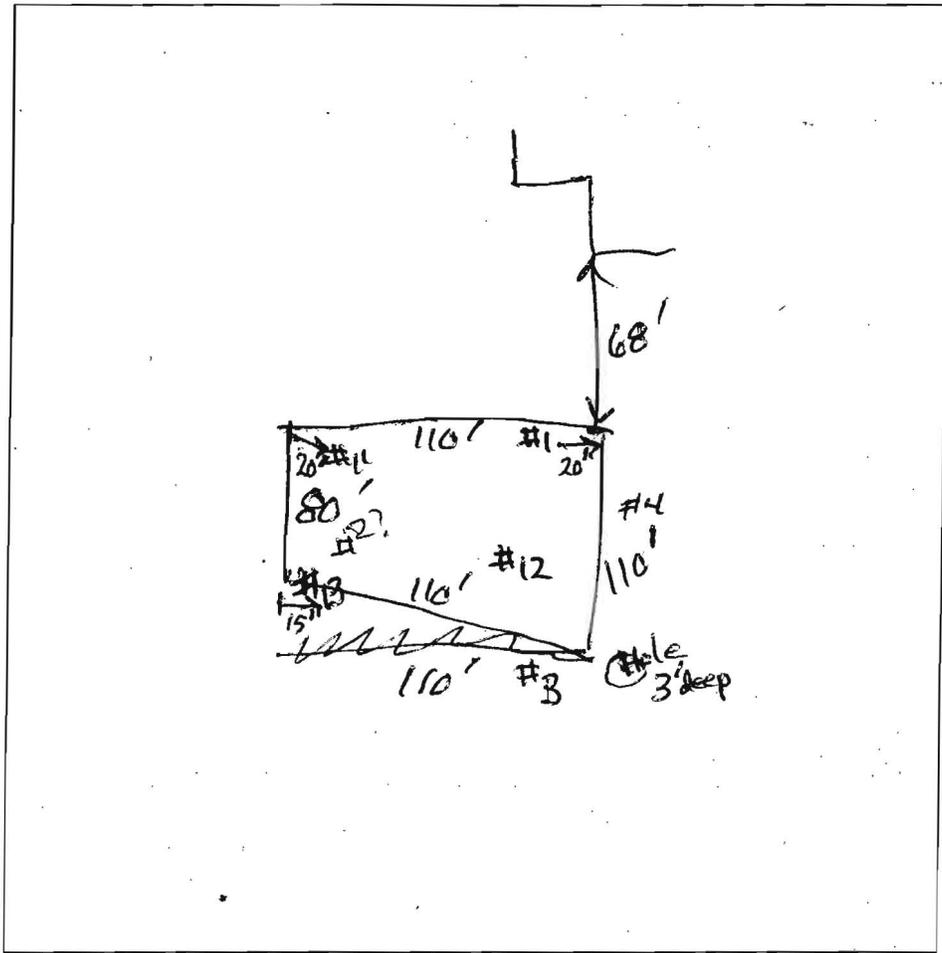
PROPERTY ADDRESS 11524 Crows Nest Rd Clarksville 21029
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) _____ GRID _____ PARCEL(S) _____ PROPOSED LOT SIZE _____

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TEST RESULTS WILL BE MAILED TO APPLICANT. Ellen James
SIGNATURE OF APPLICANT

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DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H

REMARKS _____

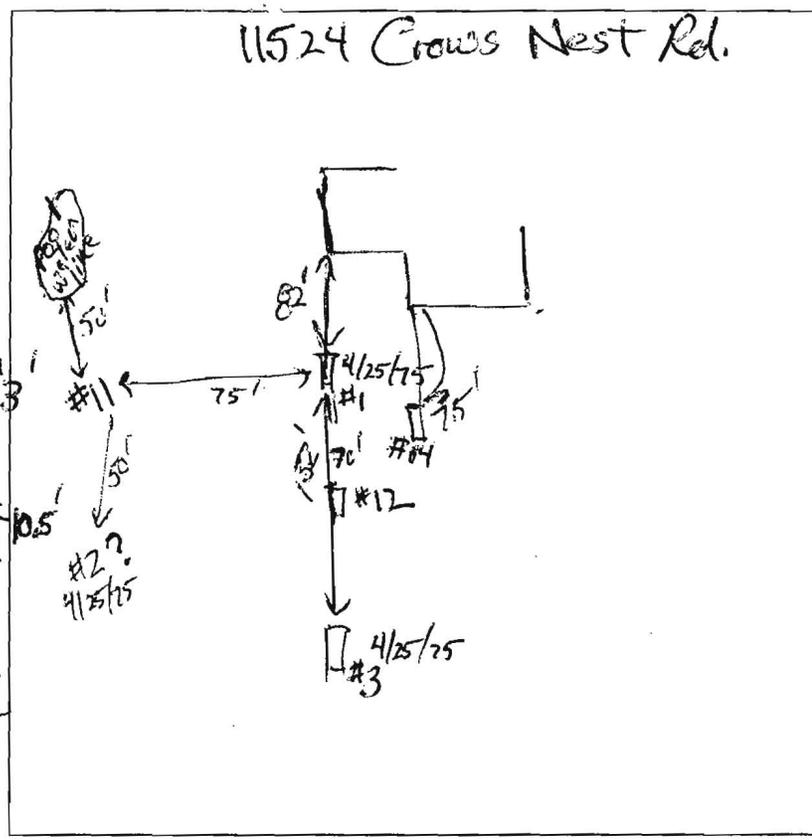
SANITARIAN _____ BACKHOE _____ OTHERS _____

TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

11524 Crows Nest Rd.

AP
#11
 0.3' brnsl
 red-brnsl
 2' 2msbk
 2' brnsl
 saprolite,
 common mica
 3' black, tan
 & brnsl
 common mica
 Variegated
 pale red, white
 black, tan
 fs! saprolite
 14'
 ↓
#14
 0.8' brn gisl
 red-brn
 sel. 3msbk
 common mica
 2.5' brnsl
 3.5' red-brnsl
 many mica
 7' brnsl
 many mica
 few
 channels
 10' brnchlsl
 micaceous
 12' ↓



#12
 0.3' dk brnsl
 brnsl
 2fsbk
 1.5' brn to
 red-brnsl
 many mica
 7' black, tan
 & brownsl
 many mica
 12' black & brownsl
 muscovite
 13' schist
 ↓
#13
 0.3' brnsl
 red-brnsl
 3msbk
 to 2msbk
 3' red-brnsl
 many mica
 6' blk, tan, brn
 fs!, many mica
 10.5' blk, grey
 & red
 chls
 13' ↓

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 TRENCH WIDTH 2013 INLET DEPTH 2 to 3 MAX. BOT DEPTH 6 to 8 EFFECTIVE SWW AS
needed



Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046-2147
(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

August 19, 2008

Martin Madden
11524 Crows Nest Road
Clarksville, Maryland 21029

RE: PERCOLATION TEST RESULTS, A-529499

Dear Mr. Madden,

Percolation testing was conducted on the referenced property on August 8, 2008. Four locations (11, 12, 13, 14) were described and two were percolation tested. These four locations are interspersed among four locations that were tested in the same general area on April 25, 1975. Field data collected are shown on the Percolation Test Worksheet enclosed with this letter. The Percolation Test Results indicate soils' conditions that are satisfactory for onsite wastewater disposal.

Recommended Inlet and Trench Bottom depths, and Usable Sidewall all are based on observed soil properties and characteristics at respective test locations as well as the particular soils materials tested. The values for these parameters will be maintained in the Health Department file for the subject property. Drainfield Trench Bottoms may be as deep as 6 feet for the initial system in the proposed septic easement. The Inlet should be at about 2 feet to 3 feet depth, and Effective Sidewall begins at 3.5 feet deep. The two percolation times were recorded at 3.5 feet and 4.8 feet were 3 minutes per inch of fall.

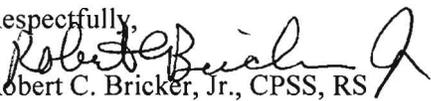
After completion of the planned addition, the residence will have about 3580 sq. ft of living area, requiring a 2000-gallon septic tank. The existing dry well is to be abandoned, and the septic tank capacity will need to be increased. The existing septic tank is 84 feet from the existing well. The existing septic tank (1250-gallon capacity) may remain, and to increase the tank capacity a second septic tank may be added. Alternatively, the existing septic tank may be properly abandoned and the replacement septic tank installed in accordance with code requirements. Trenches will need to be installed in the septic easement defined on the Percolation Certification Plan. The septic system upgrade will be required prior to approval of the building permit application.

The existing well was observed. The well has a steel casing about 16 to 18 inches above soil surface, and it is located about 42 feet from the northeast corner of the existing residence. The metal well cap is one-piece with a conduit snugly fitted into the cap port.

The well is to be protected during all phases of property redevelopment. Similarly the integrity of the septic easement is not to be compromised at any time; installation of drainfield trenches is the only acceptable excavation activity that should occur in that area designated as the 'Septic Easement'.

Your contractor, Ellen James, has submitted a Percolation Certification Plan which is currently under review. If you have any questions regarding this evaluation or requirements for the Percolation Certification Plan, please contact me at the above address or by calling (410) 313-2691.

Respectfully,


Robert C. Bricker, Jr., CPSS, RS
Well and Septic Program
Development Coordination Section

Enclosures (2): Percolation Test Results Worksheets
Copy: Ellen James
File

11524 Grows West Road
 Clarksville, Maryland 21031

Owner: Martin & Julie Waddell

Contractor's

Allen James

410 381 7883

410 442-1271 FAX

X proposed 2008 per test

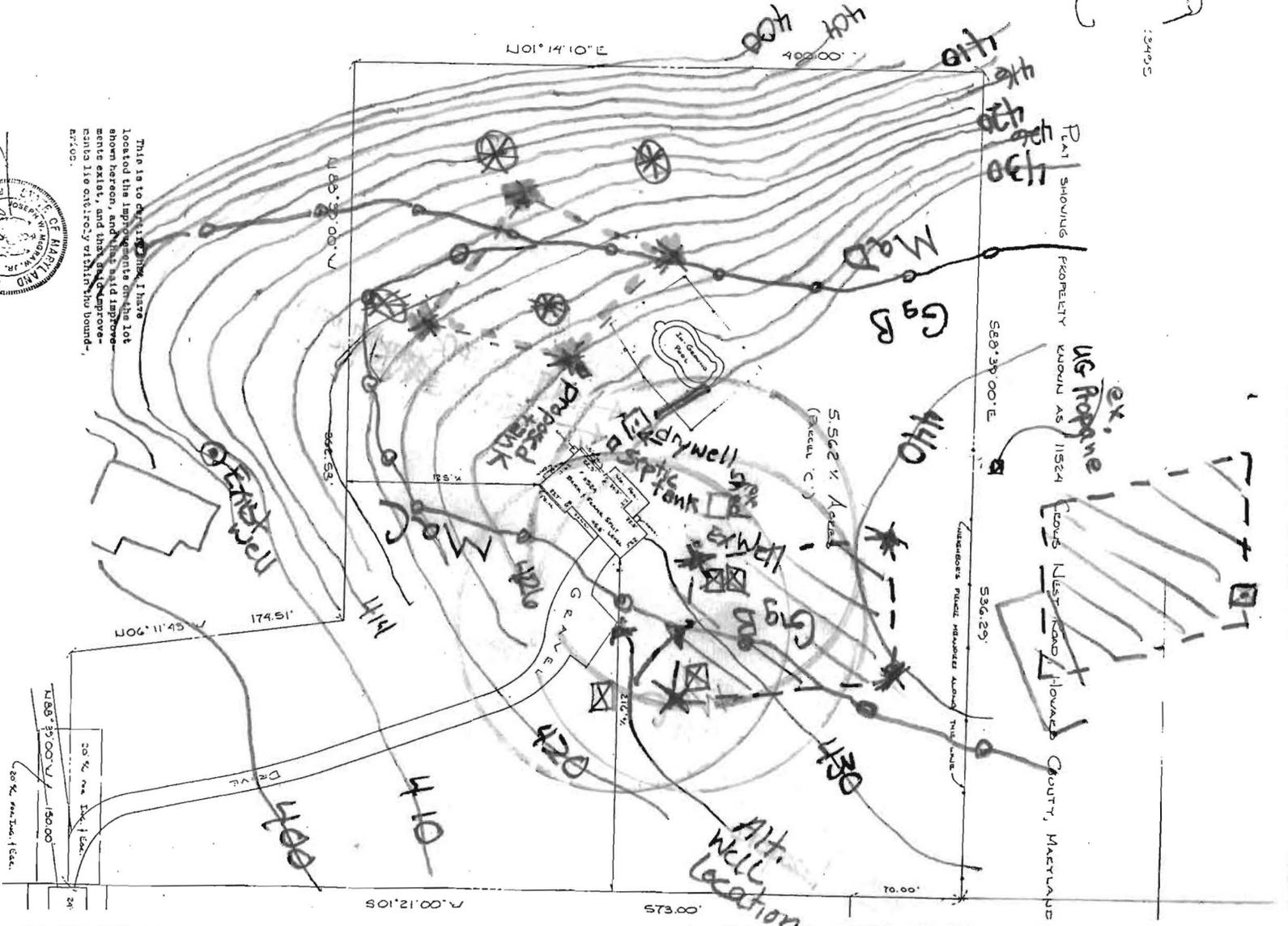
Septic easement

Perce test pass 1972 4/15
 Perce test pass 1975 4/15
 Perce test pass 1975 4/15

Existing well

drywell

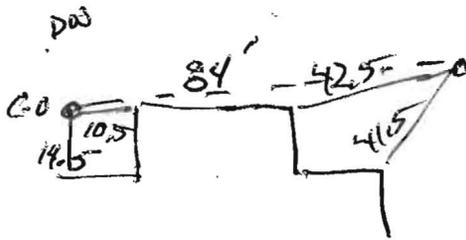
Soil lines



This is to certify that I have located the improvements on the lot shown hereon, and that said improvements extend, and that the improvements are entirely within the boundaries.

Well HO-73-1041

1pc cap; Top is 16" from soil surface
(See Memo)



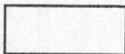
black pipe as conduit,
fits snug into cap port
though not fastened
and may not be 18" into ground

27 paces to approx outside dia.
dry well

Notes 8/08

- 1974 Easement to be abandoned
- Existing septic tank, drywell, and trench to be abandoned. (Tank to be filled, drywell to be filled) As shown, between pool & SFD
- Proposed 2008 to be new easement with septic system to be relocated
- Any change to this private sewage easement shall require a revised percolation certification plan

1. ALL EXISTING WELLS ON THE SUBJECT PROPERTY AND WITHIN 100 FEET OF SUBJECT PROPERTY BOUNDARIES ARE REPRESENTED TO THE BEST OF MY KNOWLEDGE AND BELIEF.
2. TOPOGRAPHY ON THIS PLAT IS FROM HOWARD COUNTY GIS (2006) AND IS VERIFIED TO ACCURATELY REPRESENT THE RELATIVE ELEVATION CHANGES ON AND NEAR THE SUBJECT PROPERTY.
3. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.
4. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.



5. THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS EASEMENT ARE RESTRICTED. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A REVISED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
6. THE PURPOSE FOR THIS PERCOLATION CERTIFICATION PLAN IS TO CONFIRM PERCOLATION TESTS AND DEFINE THE BOUNDARIES FOR A RELOCATED SEPTIC EASEMENT IN SUPPORT OF A BUILDING PERMIT APPLICATION FOR AN ADDITION.
7. THESE SHALL REMAIN: THE EXISTING RESIDENCE, POOL, MOVABLE SHED, SEPTIC TANK, AND WELL.
8. SEPTIC TANK CAPACITY WILL BE UPGRADED AND NEW DRAINFIELD WILL BE INSTALLED, AND THE EXISTING DRY WELL AND TRENCH WILL BE ABANDONED, PRIOR TO HEALTH DEPARTMENT APPROVAL OF THE BUILDING PERMIT APPLICATION.

I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON WORK PERFORMED IN MY PRESENCE OR BY MY DIRECTION, AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

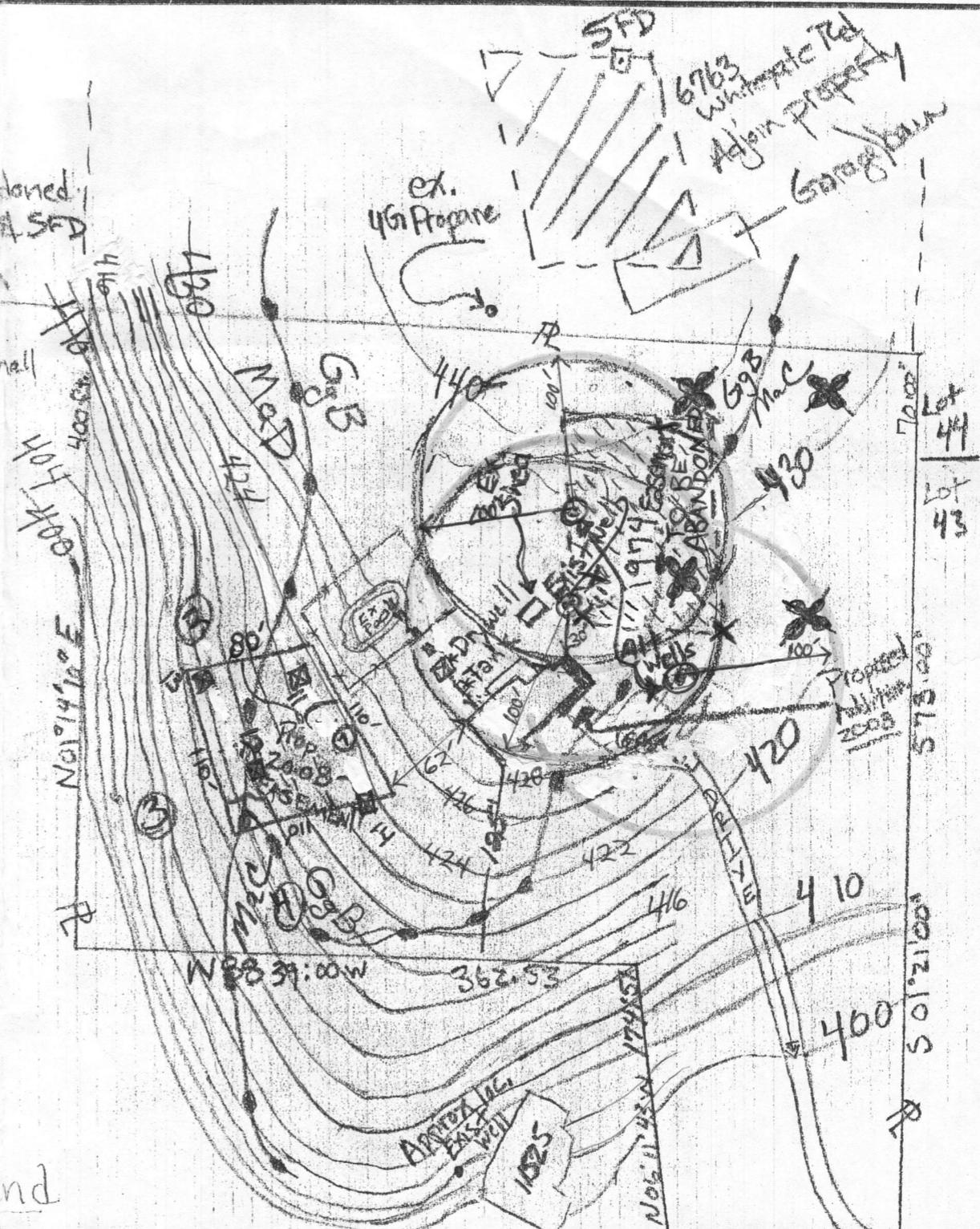
E. James
(SIGNATURE)

8/20/08
(DATE)

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.

B. Nixon for Peter Beilenson
(SIGNATURE)

9/12/2008
(DATE)



Legend

- X 10/7/72 Pass
- 4/15/75 Pass
- ⊙ 4/25/75 Pass
- ⊠ 8/8/08 Pass
- 8' to cont
- 10' to side
- Proposed Addition 2008

PERC Certification Plan		APPROVED BY: owner	DRAWN BY: E. James
SCALE: 1" = 100'	DATE: 8-8-08		REVISED
11524 Crow's Nest Rd			DRAWING NUMBER
PC 529499			