

PAID #225 for new.



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) 6/3/04 TEST TIME 1:00 APP # 520342

AGENCY REVIEW: _____ DATE 5/7/2004

TAX ID 05-381479

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 5 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) Mary Booye

DAYTIME PHONE 301-854-0941 CELL N/A FAX N/A

MAILING ADDRESS 6611 Isle of Skye Highland MD
STREET CITY/TOWN STATE ZIP

APPLICANT Ronald + Susan Stup

DAYTIME PHONE 410-531-0941 CELL 410-908-5581 FAX 410-531-0941

MAILING ADDRESS 6610 Trotter Ridge Court Columbia, MD 21044
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME Highland Lake LOT NO. 7

PROPERTY ADDRESS 6611 Isle of Skye Highland, Maryland
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 34 GRID 22 PARCEL(S) 370 PROPOSED LOT SIZE 3.7 acres

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 SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN.

TEST RESULTS WILL BE MAILED TO APPLICANT. Susan R. Stup
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MARYLAND 21043-4544 (410) 313-1771 FAX (410) 313-2648



AP ①

No true
cl layer
brn
dk
or ge
brn
sa lm
5% frags
few pockets
@ 15%

12 1/2

②

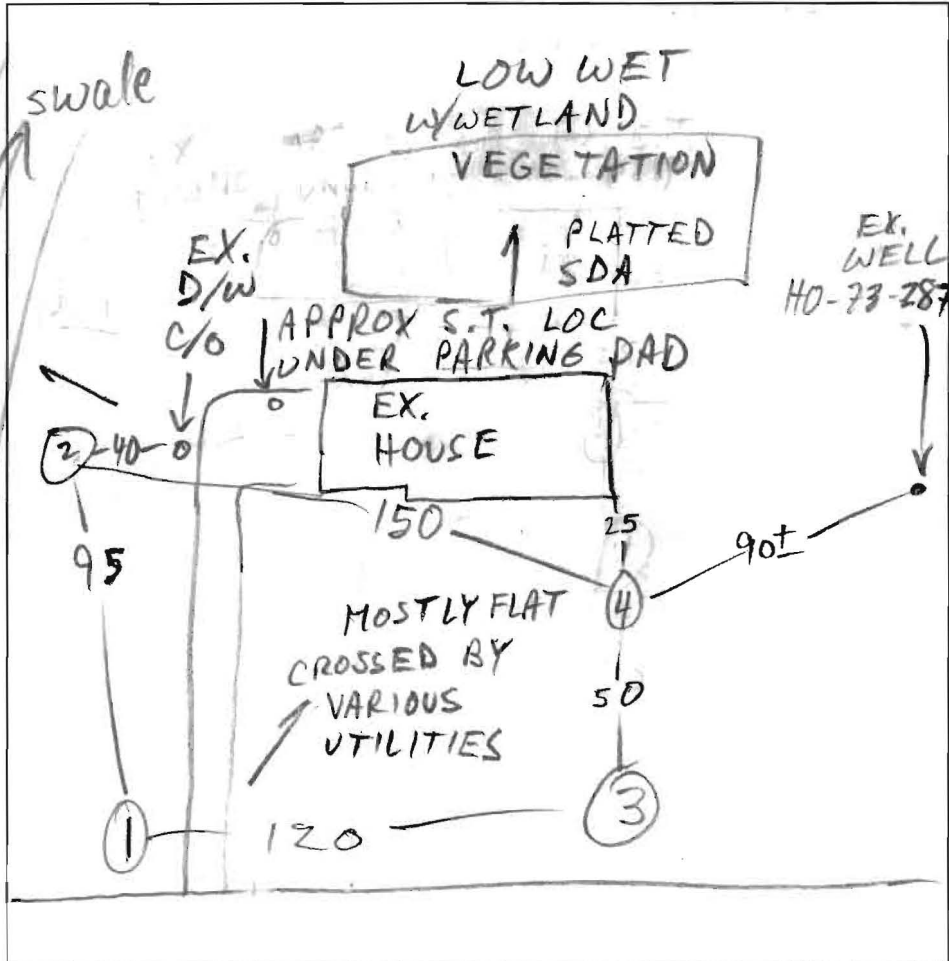
brn
hvy lm
tan beige
lt. brn
sa lm
5-10%
frags
H₂O

3
9
13

③

or ge
hvy lm
tan
beige
sa lm
10%
frags

12 1/2



④

FILL
DIRT
or ge
brn
hvy lm
tan
gray or ge
sa lm
10-15%
frags

13 1/2

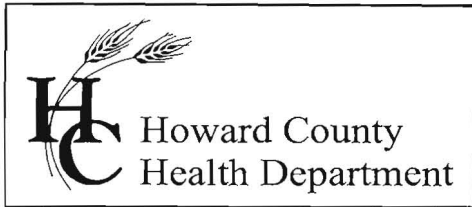
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
6/3/04	1 ✓	5 1/2	2:16	2:19	2:22	3	P
	2 ✓	13	MOTTLED AT 10'				P
	3 ✓	12 1/2					P
	4 ✓	13 1/2					P

REMARKS _____

SANITARIAN M. Ritkin BACKHOE Hartfield's OTHERS M/M stop

TEST HOLES USED IN SDA ALL AVG. PERC TIME < 7 SQ. FT/BR 180

TRENCH WIDTH 2 INLET DEPTH 4 MAX. BOT DEPTH 8 EFFECTIVE S/W 4



3525 H Ellicott Mills Drive, Ellicott City, MD 21043
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

June 14, 2004

Ronald and Susan Stup
6110 Trotter Ridge Court
Columbia, MD 21044

RE: Percolation Test Results – A 520342
Highland Lake, Lot 7, 6611 Isle of Skye
Confirm/Adjust SDA for Future House Expansion

Dear Mr. & Mrs. Stup:

Percolation testing conducted June 3, 2004 on the referenced property indicated generally satisfactory soil conditions, although one test hole near the existing septic drywell indicated shallow water table. It is believed that the shallow water table compromises the required treatment zone under the existing drywell. Copies of the test results are enclosed.

Further review is contingent upon submission by a registered engineer/surveyor of a percolation certification plan showing the following:

- 1) actual locations of all excavated test holes with field-verified topography
- 2) the existing house, well and septic system
- 3) existing platted sewage easement to be abandoned and proposed sewage reserve area
- 4) a note must be included certifying that all existing wells and septic systems within 100 feet of property boundaries have been shown
- 5) a note indicating that depicted topography reflects field-verified information
- 6) the plan identification number (PC 520342) in the title block
- 7) purpose statement indicating confirmation of an SDA to support future house expansion
- 8) schedule of proper septic system abandonment and replacement
- 9) proposed house addition with new septic system design/layout (similar to BP plot plan)

The percolation certification plat should be submitted within 60 days to allow field verification if necessary. If you have any questions regarding this matter, please contact me at the above address or by calling (410) 313-2691.

*Invert elevations on
all piping.*

Very truly yours,

Mark E. Rifkin

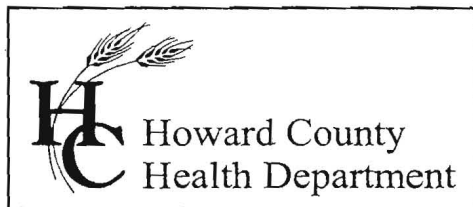
Mark E. Rifkin, R.S.

Well and Septic Program

MR
Enclosures
cc: File

*Health Off
Suz Bloch*

perc certification plan



3525 H Ellicott Mills Drive, Ellicott City, MD 21043
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer
June 14, 2004

Ronald and Susan Stup
6110 Trotter Ridge Court
Columbia, MD 21044

RE: Percolation Test Results – A 520342
Highland Lake, Lot 7, 6611 Isle of Skye
Confirm/Adjust SDA for Future House Expansion

Dear Mr. & Mrs. Stup:

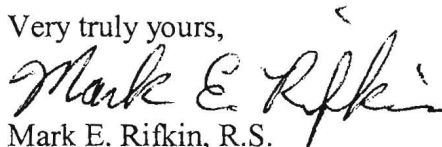
Percolation testing conducted June 3, 2004 on the referenced property indicated generally satisfactory soil conditions, although one test hole near the existing septic drywell indicated shallow water table. It is believed that the shallow water table compromises the required treatment zone under the existing drywell. Copies of the test results are enclosed.

Further review is contingent upon submission by a registered engineer/surveyor of a percolation certification plan showing the following:

- 1) actual locations of all excavated test holes with field-verified topography
- 2) the existing house, well and septic system
- 3) existing platted sewage easement to be abandoned and proposed sewage reserve area
- 4) a note must be included certifying that all existing wells and septic systems within 100 feet of property boundaries have been shown
- 5) a note indicating that depicted topography reflects field-verified information
- 6) the plan identification number (PC 520342) in the title block
- 7) purpose statement indicating confirmation of an SDA to support future house expansion
- 8) schedule of proper septic system abandonment and replacement
- 9) proposed house addition with new septic system design/layout (similar to BP plot plan)

The percolation certification plat should be submitted within 60 days to allow field verification if necessary. If you have any questions regarding this matter, please contact me at the above address or by calling (410) 313-2691.

Very truly yours,


Mark E. Rifkin, R.S.
Well and Septic Program

MR
Enclosures
cc: File

LEGEND

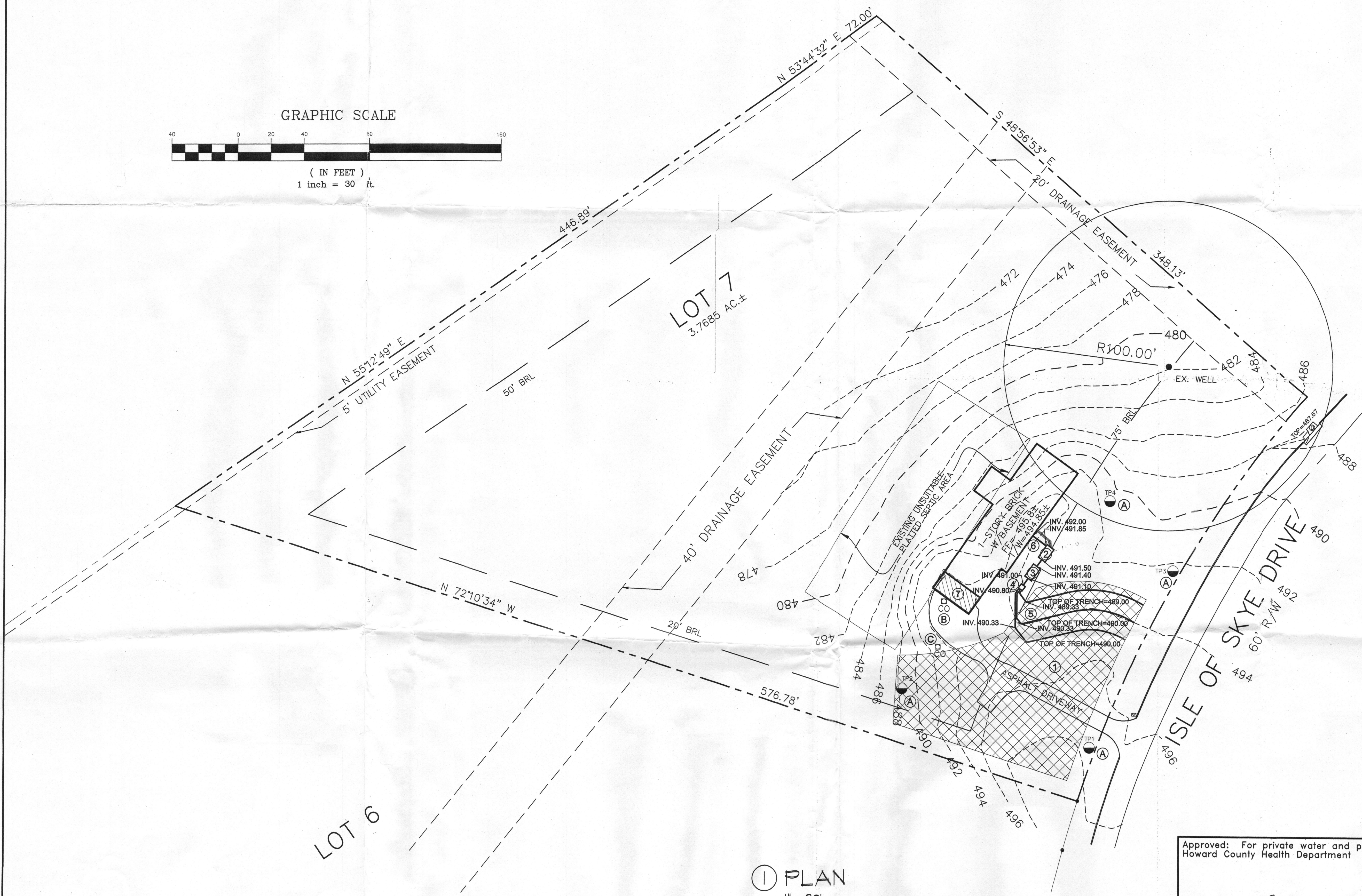
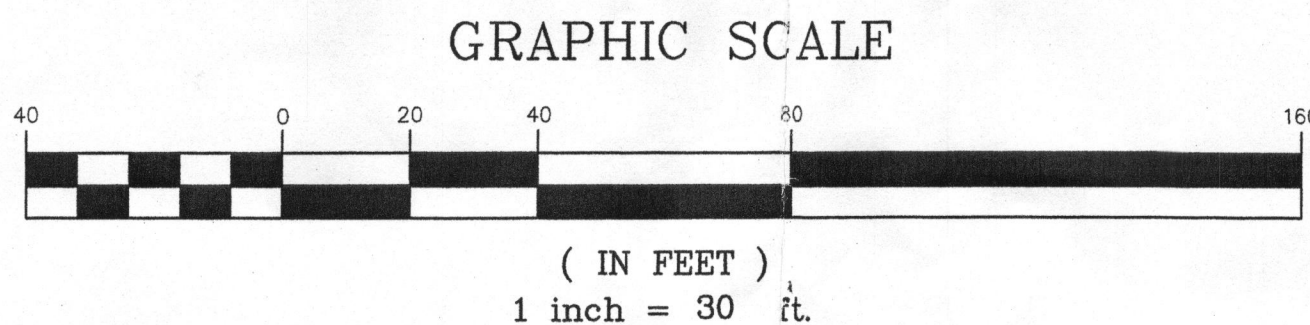
- ① NEW SEPTIC RESERVE AREA, 10552 SF SHOWN
- ② NEW 1250 GAL. CONCRETE SEPTIC TANK
- ③ NEW 1250 GAL. CONC. SEPTIC TANK FOR FUTURE PUMP
- ④ NEW DISTRIBUTION BOX
- ⑤ NEW SEPTIC DRAINAGE LINES (FOLLOW EXIST. CONTOURS)
- ⑥ NEW 4" DIA. PVC SEWER LINE FROM HOUSE
- ⑦ PROPOSED GARAGE ADDITION
- ⓐ SURVEYED SEPTIC TEST PIT LOCATIONS
- ⓑ SURVEYED EXIST. SEPTIC TANK C.O. LOCATION
- ⓒ SURVEYED EXIST. DRY WELL C.O. LOCATION

NOTES

- 1. PLAN BASED ON SURVEY BY MILDENBERG BOENDER JULY 30, 2004
- 2. EXIST. THREE BEDROOM, ONE-STORY W/BASEMENT HOUSE
- 3. PROPOSED FIVE BEDROOM TWO-STORY HOUSE

New septic system installation sequence:

1. Remove existing basement plumbing fixtures and cap exposed sewer lines.
2. Connect new 4" diameter PVC drain sewer from existing first floor plumbing fixtures through existing house front basement wall. Cap end of new sewer line at exterior.
3. Pump existing septic tank.
4. Fill existing septic tank with gravel (existing septic tank is below existing asphalt paved driveway).
5. Pump existing drywell.
6. Fill existing drywell with compacted soil.
7. Install new septic tanks, distribution box and drainage lines for gravity-feed as shown on plan.
8. Connect new septic system to the new house sewer line at front wall.
9. Backfill all excavations, fine-grade, seed and mulch with tacked straw.



No.	Date	Submissions/Revisions

Stup Residence Addition
 6611 Isle of Skye Drive
 Highland, MD 20777
 Highland Lake, Lot 7
 Howard County, Maryland
 Zone: RR
 Tax Map: 34, Grid: 22
 Parcel: 370

Ron Stup Associates
 Architecture, Environmental Planning, Landscape Architecture
 13780 Burntwoods Road
 Glenelg, Maryland 21737
 Telephone: (410) 489-2928
 E-Mail: archlarch@comcast.net

PERC CERTIFICATION PLAT
 PLAN ID # PC520342

I certify that these documents were prepared or approved by me, and that I am a duly licensed architect under the laws of the State of Maryland, License Number 3493-A, Expiration Date: December 19, 2005.

AS SHOWN Scale SEPTEMBER 28, 2004 Date

① PLAN
 1" = 30'

Approved: For private water and private sewage
 Howard County Health Department

 Howard County Health Officer Date 12/4/04

A-①

Seal