

# APPLICATION

PERCOLATION TESTING

A 516057

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

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

DISTRICT \_\_\_\_\_

DATE 10/5/01

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 \_\_\_\_\_

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

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

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

PROPERTY LOCATION:

SUBDIVISION Bewley Property LOT NO. Open Space Lot 48

ROAD AND DESCRIPTION Union Chapel Rd R/O Lot 4 also

TAX MAP 14 PARCEL # 66

SIZE OF LOT ± 1 AC 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

516057

NOT TO SCALE

COUNTY #

SOIL PROFILE

115B

orange-brn  
cl-1morange-brn  
fine  
sandy  
im5-10%  
ROCK  
FRAGS

14'

115E

red-brn  
clay  
1m

6'6"

red-brn  
channeery  
1m  
40-50%  
ROCK  
FRAGS

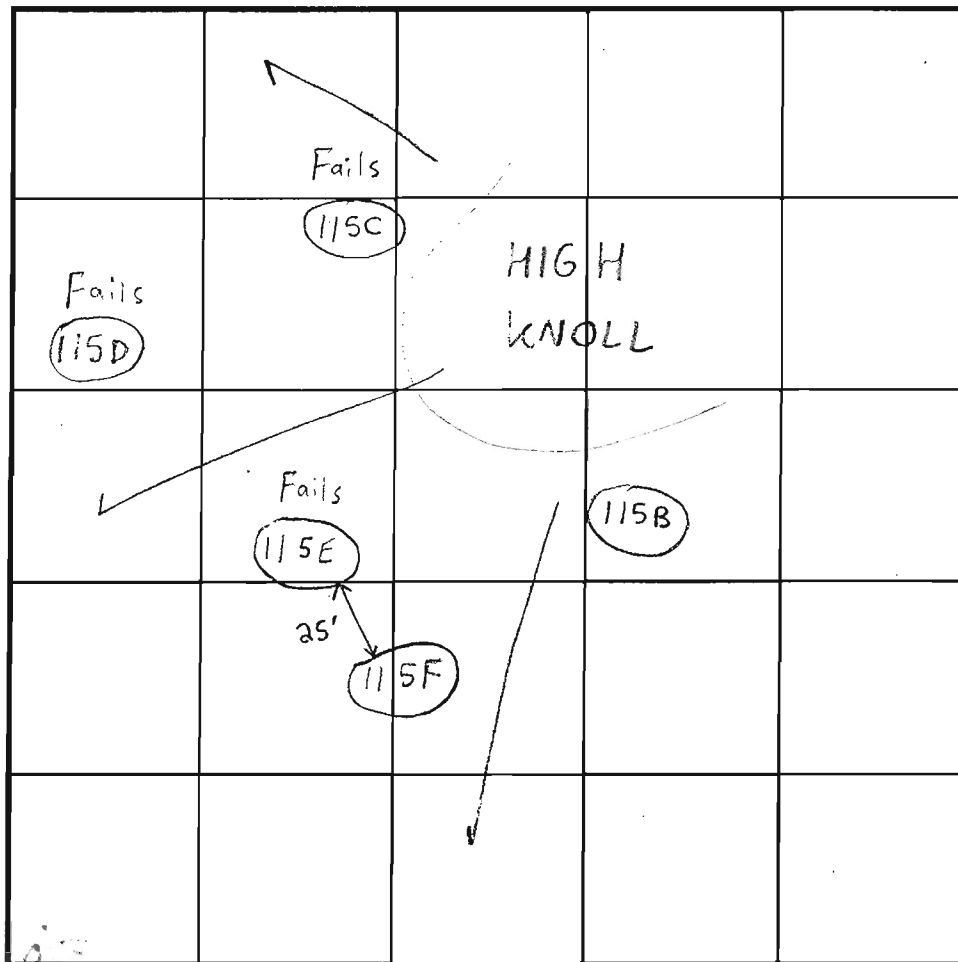
13'

HARD

115D

↑  
750%  
CHANNERY  
ROCK

11' HARD



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

115F

red-brn  
silty  
clay  
1mred-brn  
loam20-30%  
ROCK  
FRAGS

14'

115C

> 50%  
ROCK  
FRAGS

4' REFUSAL

| DATE    | TEST NO.                                        | DEPTH          | PRE-WET            |        | TEST - 1" DROP |                  | TIME  |       |
|---------|-------------------------------------------------|----------------|--------------------|--------|----------------|------------------|-------|-------|
|         |                                                 |                | START              | STOP   | START          | STOP             |       |       |
| 3/14/02 | 115B                                            | 4'6" T / 14' V | 2:23pm             | 2:30pm | 2:30pm         | 2:35pm           | 5 min | OK    |
|         | 115E                                            | 4'6" T / 13' V | 3:01pm             | 3:15pm | 3:15pm         | pulled at 3:15pm | NA    | Fails |
|         | (NEEDS DEEPER TEST FOR FURTHER EVAL. IF NEEDED) |                |                    |        |                |                  |       |       |
|         | 115D                                            | 11' V          | (> 50% ROCK FRAGS) |        |                |                  | NA    | Fails |
|         | 115C                                            | 4' V           | (> 50% "           |        | "              | )                | NA    | Fails |
|         | 115F                                            | 7' T / 14' V   | 3:17pm             | 3:20pm | 3:20pm         | 3:24pm           | 4 min | OK    |

REMARKS: Suggested to use holes 115F &amp; 115B along w/ revised proposal to salvage lot 4. Holes not shown on original prop. Wayne Caples

TYPE OF SOIL: Glenclo

TESTED BY: SRK

Jeff Allen = Backhoe

ALSO PRESENT: Mike Peranzetti, Mark Wedemeyer

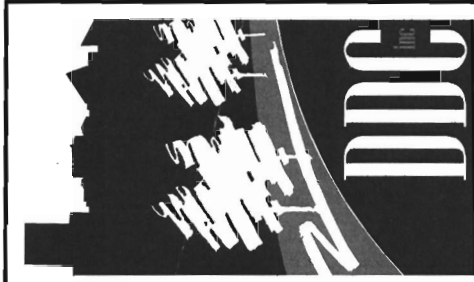
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT/BEDROOM



Planners  
Surveyors  
Engineers  
Landscape Architects

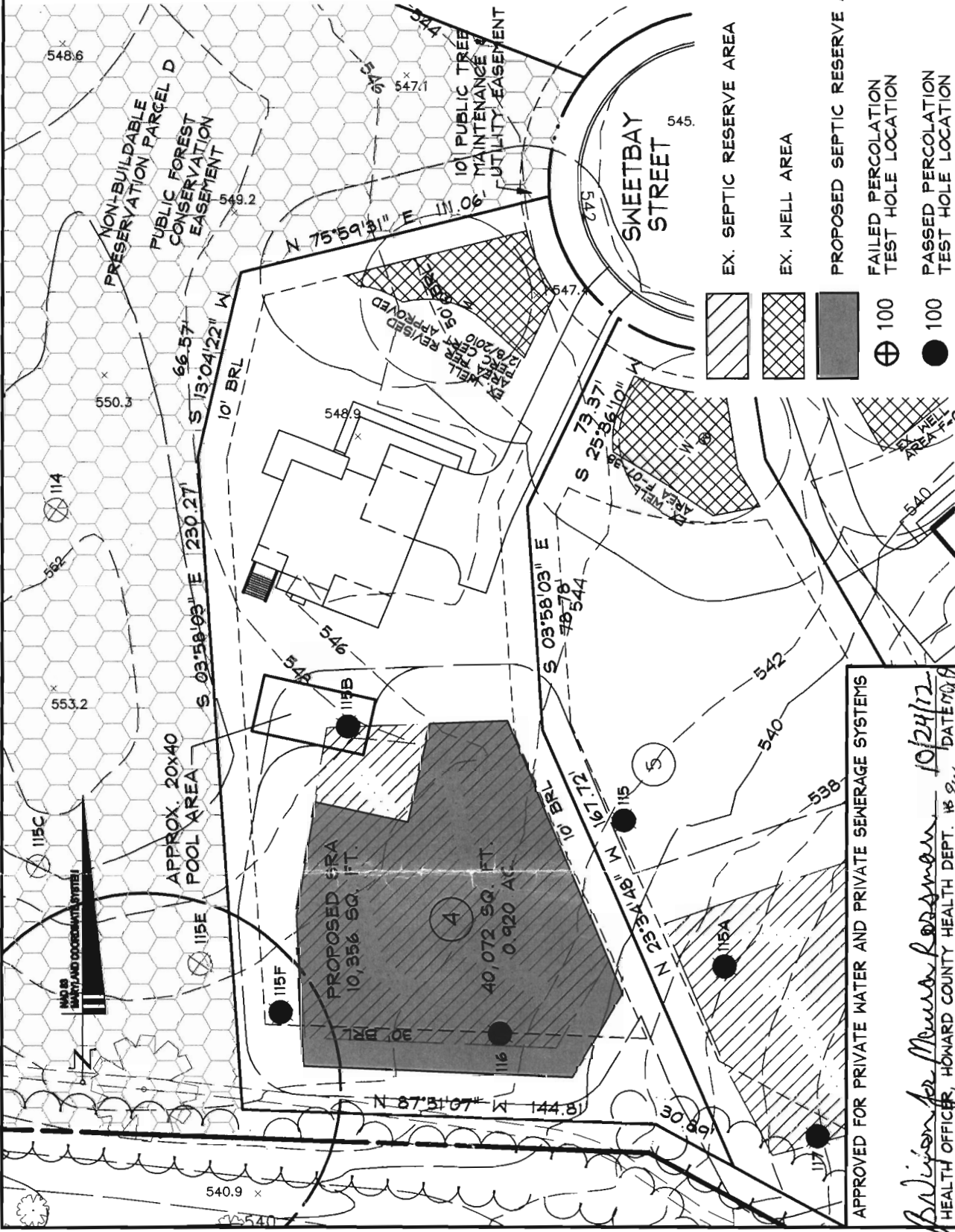
192 East Main Street  
Westminster, MD 21157  
410.386.0560  
410.386.0564 (Fax)  
DDC@DDCincus  
www.DDCincus

|           |          |
|-----------|----------|
| DDC JOB#: | 06116.5  |
| DATE:     | 10/10/12 |
| SCALE:    | 1" = 50' |
| DES. BY:  | BKC      |
| DRN. BY:  | BKC      |
| CHK. BY:  | JLM      |

- GENERAL NOTES**
- ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
  - THE TOPOGRAPHY OF THIS PLAN IS BASED ON GRADING PERFORMED IN ACCORDANCE WITH A GRADING PLAN PREPARED BY DEMARIO DESIGN CONSULTANTS DATES 7/9/07.
  - ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.
  - THE PURPOSE OF THIS PLAN IS TO REVISE THE SEPTIC RESERVE AREA TO ACCOMMODATE A FUTURE POOL.
  - THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT ARE AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
  - THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA OF AT LEAST 10,000 SQ.FT. AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA 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.

**Professional Certification**  
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 27020, Expiration 06/30/2018.

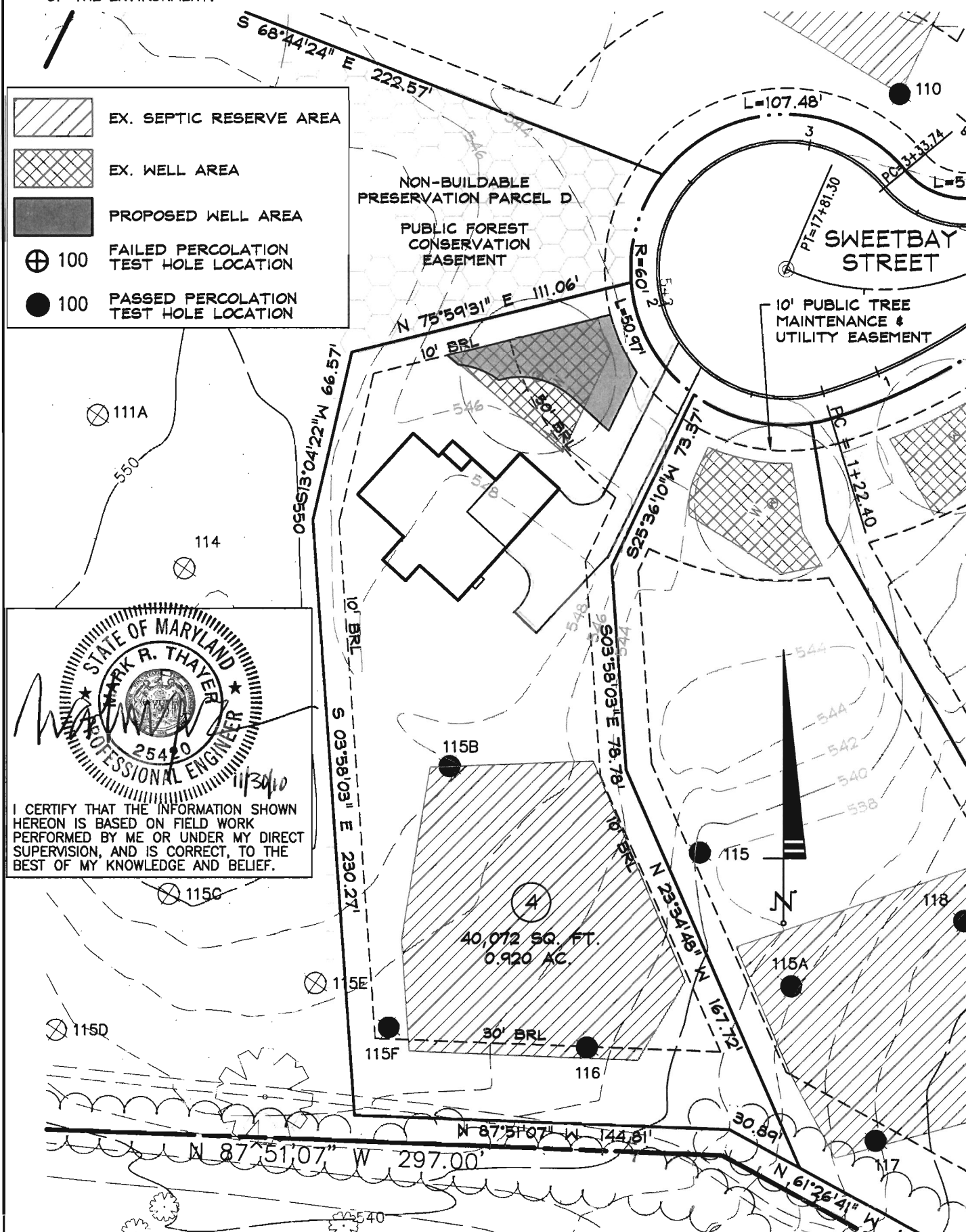
**PAUL G. CUNYNAUGH**  
P.E. 27020



|                                 |                                                                                         |
|---------------------------------|-----------------------------------------------------------------------------------------|
| OWNER/BUILDER:                  | K. HOVNANIAN HOMES<br>1802 Brightseat Road<br>Landover, Maryland 20785<br>(301)683-6268 |
| REVISED PERC CERTIFICATION PLAN | LOT 4<br>15339 SWEETBAY STREET<br>WOODBINE, MD 21797                                    |
| BELLE HAVEN ESTATES             | 3rd ELECTION DISTRICT HOWARD COUNTY, MD<br>TAX MAP 14, PARCEL 66                        |

1. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
2. THE TOPOGRAPHY OF THIS PLAT IS BASED ON GRADING PERFORMED IN ACCORDANCE WITH A GRADING PLAN PREPARED BY DEMARIO DESIGN CONSULTANTS DATES 7/9/07.
3. ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.
4. THE PURPOSE OF THIS PLAN IS TO REVISE THE WELL AREA ON LOT 4
5. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT ARE AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.

6.  THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA OF AT LEAST 10,000 SQ.FT. AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA 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.



By Nylon for Peter Brulewson R/S/2015  
HEALTH OFFICER, HOWARD COUNTY HEALTH DEPT. HS 20 DATE 2/8/15

UNION CHAPEL ROAD, LLC  
9025 CHEVROLET DRIVE, SUITE K  
ELLCOTT CITY, MD 21042  
(410)461-5900

GRAYSON HOMES  
25 CHEVROLET DRIVE, SUITE K  
ELLCOTT CITY, MD 21042  
(410)461-5900

3rd ELECTION DISTRICT    HOWARD COUNTY, MD

# DeMario

**DESIGN CONSULTANTS**  
ENGINEERS, PLANNERS, SURVEYORS, LANDSCAPE ARCHITECTS

192 East Main Street  
Westminster, MD 21157  
<http://www.demariodesign.us>  
Phone: (410) 386-0560  
Fax: (410) 386-0564

DATE: 11/30/10

CHK'D. BY: JLM

DRAWN BY: LJC

SCALE: 1" = 50'

TAX MAP 14 PARCEL 66

DDC JOB#: 96116.1



516057

NOT TO SCALE

COUNTY #

SOIL PROFILE

115/117

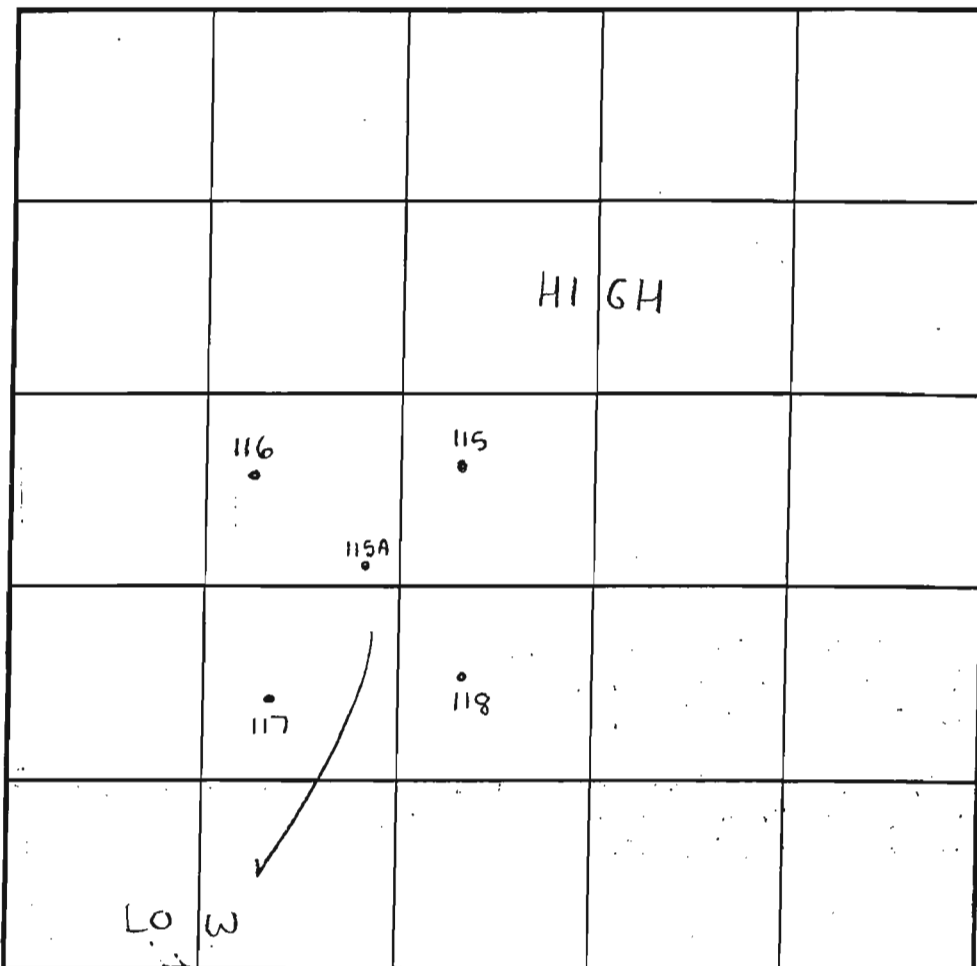
0' brown topsoil  
4'-1' orange-brn silty clay 1m  
3'5" orange-brn fine sandy 1m  
0-5% SAPROLITE  
14'2"

118

6" brown topsoil  
orange-brown clay 1m (heavy)  
5" red-arg fine sandy 1m  
15-25% HARD SAPROLITE  
14'4"

115A

SEE  
HOLE  
115



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

116

0' brown topsoil  
4' orange-brown silty 1m  
2' tan-brn fine sandy 1m  
20-30% SAPROLITE  
13'

| DATE    | TEST NO. | DEPTH             | PRE-WET |         | TEST - 1" DROP |         | TIME  |    |
|---------|----------|-------------------|---------|---------|----------------|---------|-------|----|
|         |          |                   | START   | STOP    | START          | STOP    |       |    |
| 3/12/02 | 115      | 4'5" T / 14'2" V  | 11:27am | 11:29am | 11:29am        | 11:33am | 4min  | OK |
|         | 118      | 6' T / 14'9" V    | 11:48am | 12:13pm | 12:13pm        | 12:23pm | 10min | OK |
|         | 115A     | 4'9" T / 13'10" V | 12:26pm | 12:28pm | 12:28pm        | 12:30pm | 2min  | OK |
|         | 116      | 5' T / 13' V      | 12:39pm | 12:40pm | 12:40pm        | 12:42pm | 2min  | OK |
|         |          | 7' T / 13' V      | 12:42pm | 12:44pm | 12:44pm        | 12:46pm | 2min  | OK |
|         | 117      | 4'9" T / 13'8" V  | 12:18pm | 12:20pm | 12:20pm        | 12:23   | 3min  | OK |

REMARKS

TYPE OF SOIL GlenelgTESTED BY SRW & FAJill Allen = Backhoe  
Dennis Brown = HelperALSO PRESENT Mark Wedemeyer = Koren DevelopmentTRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 4minTRENCH WIDTH 3'INLET DEPTH 3' MAXIMUM BOTTOM DEPTH 5' SQ. FT/BEDROOM 180