



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____ A/P _____

AGENCY REVIEW: _____ DATE _____

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 3 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) JOHN HANLON (HANLON CONSTRUCTION) CONTRACT PURCHASER GAIANE MKRRTTCHIAN

DAYTIME PHONE 410-865-9056 CELL _____ FAX _____

MAILING ADDRESS 200 TOWSON TOWN COURT, #512 TOWSON MD 21204
STREET CITY/TOWN STATE ZIP

APPLICANT SILL ENGINEERING GROUP, LLC

DAYTIME PHONE 443-325-5076 CELL _____ FAX 410-696-2022

MAILING ADDRESS 11130 DOVEDALE COURT, SUITE 200 MARRIOTTSVILLE MD 21104
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME DAISY HILL ESTATES, LOT 13, BL A 1.451 A, MEADOW WALK ROAD LOT NO. 13

PROPERTY ADDRESS 15892 MEADOW WALK WOODBINE, 21797
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 13 GRID 18 PARCEL(S) 226 PROPOSED LOT SIZE 1.45 AC+/-

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.

SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

A/P _____

Empty rectangular box for notes or signature.

Empty rectangular box for notes or signature.

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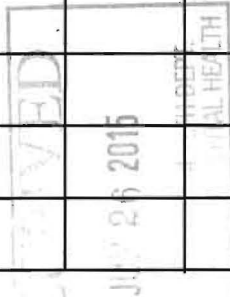
Large empty rectangular box for drawing or notes.

Empty rectangular box for notes or signature.

Empty rectangular box for notes or signature.

Empty rectangular box for notes or signature.

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 S/W _____

Daisy Hill, Lot #13

A/P _____

Hole # 600

Hole # 606

0.2' - dk brn L
 3' - yel-brn cl
 4' - yel SL
 5' - yel tan SL
 12.6' - water seepage

0.2' - dk brn L
 3' - or scl
 9' - or sl
 or tan sl
 12' - dry

Hole # 604

0.2' - dk brn L
 3' - yel scl
 5' - pale red sl
 7' - or sl w/ pockets of ls
 12' - dry

Hole # 602

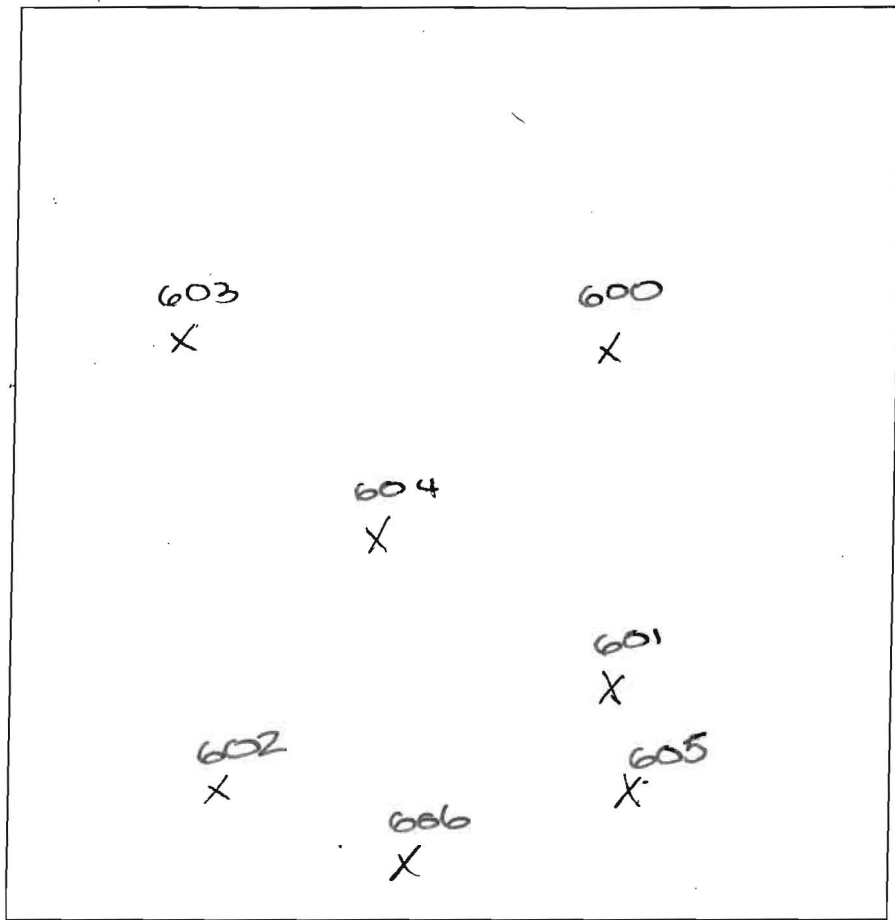
0.1' - dk brn L
 4' - or scl
 7.7' - or, tan sl
 9' - L. tan ls
 12' - or, tan sl
 dry

Hole # 605

0.1' - dk brn L
 3.5' - or, scl
 10' - or sl
 11' - L. tan ls
 12.5' - dry

Hole # 603

0.1' - dk brn L
 3.5' - or, scl
 10' - or sl
 11' - L. tan ls
 12' - dry



Meadow Walk

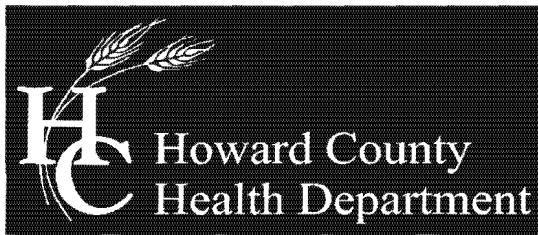
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	PIFIH
7/15/15	606	4 1/2' / 12.6'	9:17	9:28	9:45	17	P
7/15/15	602	5' / 12'	9:19	9:29	9:52	23	P
7/15/15	603	4.5' / 12'	9:49	9:53	10:09	16	P
7/15/15	600	3.5' / 12'	9:56	10:23	10:50	27	P
7/15/15	605	3.5' / 12.5'	10:19	Too Slow			
	↳ reshelf	5' / 12.5'	10:57	11:05	11:17	12	P
7/15/15	604	4' / 12'	10:51	11:06	11:34	28	P

REMARKS: Hole # 601 did not test due to 605 perc rate & profile
 Justin Brandel

SANITARIAN H. Oswald BACKHOE Level Land OTHERS _____

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

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



Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

Maura J. Rossman, M.D., Health Officer

July 15, 2015

To: John Hanlon (Owner); Sill Engineering Group, LLC

Percolation Test Report; Daisy Road, Lot 13, Woodbine, MD 21797

Percolation tests were conducted at Meadow Walk (Tax Map 13, Parcel 226, Lot 13) on July 15, 2015. Tests and profile descriptions were documented for 6 locations (600, 602, 603, 604, 605, and 606).

Percolation test hole # 601 *was not tested* due to a passing test hole in close proximity to its location. All remaining test holes passed.

All percolation tests conducted were standard tests, measuring rate of fall for a pre-wet period followed by measurement and recordation of the time required for the water level to drop 1 inch. Areas that may be included in the septic reserve area are represented by test locations having satisfactory soil condition. The area must be at least 10,000 square feet and large enough to accommodate 3 systems for the planned residence.

The next step in the process is to have an engineer/consultant submit a percolation certification plan to confirm the design of the septic reserve area.

Should you have any questions regarding this evaluation, please contact me. I may be reached at (410) 313-1786 or by email hoswald@howardcountymd.gov

Respectfully,

Hank Oswald

Hank Oswald, L.E.H.S
Bureau of Environmental Health
Well & Septic Program

Attachment: Percolation Field Notes

Oswald, Hank

From: Oswald, Hank
Sent: Wednesday, July 15, 2015 2:25 PM
To: 'Paul'
Subject: Daisy Hill Lot 13_Perc Test Results
Attachments: Perc Test Report_Daisy Hill Lot 13_7.15.15.pdf; Perc Test Field Notes_Daisy Hill Lot 13_2015.pdf

Hi Paul:

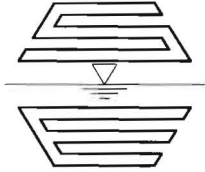
Attached, you will find the percolation test results from today. Please forward a copy of this onto the homeowner.

Thanks,

Hank

Hank Oswald, L.E.H.S.
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
410.313.1786

Letter of Transmittal



11130 Dovedale Court, Suite 200
 Marriottsville, MD 21104
 Website: www.sillengineering.com

Office: 443-325-5076
 Fax: 410-696-2022
 Email: info@sillengineering.com
 Civil Engineering for Land Development

SILL ENGINEERING GROUP, LLC

To: Mr. Hank Oswald
 Howard County Health Department
 Bureau of Environmental Health
 8930 Stanford Boulevard
 Columbia, MD 21045

Date:	Aug. 06, 2015 <i>Aug. 07, 2015</i>
Attention:	Hank Oswald
Re:	15892 Meadow Walk, Woodbine 21797 Percolation Certification Plan
Project #:	15-018

We are sending you

<input checked="" type="checkbox"/> Attached	Under Separate Cover Via Mail the following:	
Letter	Originals	Other:
<input checked="" type="checkbox"/> Plans	Computations	

Quantity	Description	Quantity	Description
3	Percolation Certification Plan		

These are transmitted as checked below

<input checked="" type="checkbox"/> For Approval	As Requested	Please Return After Using
<input checked="" type="checkbox"/> For Review	For Your Use	As Approved

Comments:

Copy To:

Signed:

Kate Szallo

Kate Szallo

Received by:

Date Received:

TO: FILE

RE-TEST

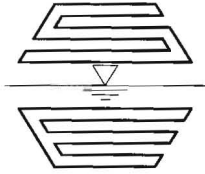
REQ'D FOR SEPTIC

DESIGN

DISCUSSED

w/CHUCK
ZEPP

MR 8/19/02



11130 Dovedale Court, Suite 200
 Marriottsville, MD 21104
 Website: www.sillengineering.com
 Civil Engineering for Land Development

Office: 443-325-5076
 Fax: 410-696-2022
 Email: info@sillengineering.com

SILL ENGINEERING GROUP, LLC

To: Mr. Jeff Williams
 Howard County Health Department
 Bureau of Environmental Health
 8930 Stanford Boulevard
 Columbia, MD 21045

Date:	June 25, 2015
Attention:	Jeff Williams
Re:	15892 Meadow Walk, Woodbine 21797 Percolation Application Plan
Project #:	15-018

We are sending you

<input checked="" type="checkbox"/> Attached	Under Separate Cover Via Mail the following:	
Letter	Originals	Other:
<input checked="" type="checkbox"/> Plans	Computations	

Quantity	Description	Quantity	Description
2	Percolation Application Plan		
1	Percolation Application		

These are transmitted as checked below

<input checked="" type="checkbox"/> For Approval	As Requested	Please Return After Using
<input checked="" type="checkbox"/> For Review	For Your Use	As Approved

Comments:

Copy To:

Signed:

Kate Szallo
 Kate Szallo

Received by:

Date Received:

APPLICATION

A 16696

P _____

SEWAGE DISPOSAL TESTING

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

ELLICOTT CITY

DISTRICT 4

DATE 1/26/72

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TESTS IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Daisy Hill, Joint Venture

ADDRESS 1131 Univ. Blvd. W., Silver Spring, Md. PHONE 649-1500

PROPERTY LOCATION:

SUBDIVISION Daisy Hill Estates LOT NO. Lot 13, Block A., Sec. Two

ROAD AND DESCRIPTION South side of Union Chapel Road, 350' east of Daisy Road

OCCUPANT none PHONE _____

PERSON TO CONSTRUCT SYSTEM _____

ADDRESS _____ PHONE _____

SIZE OF LOT 63,213 sq. ft. TYPE BLDG. three
NUMBER OF BEDROOMS _____

IF NOT SINGLE RESIDENCE DESCRIBE _____

SIGNATURE OF APPLICANT Daisy Hill, Joint Venture, By Simon Rosulek Partner

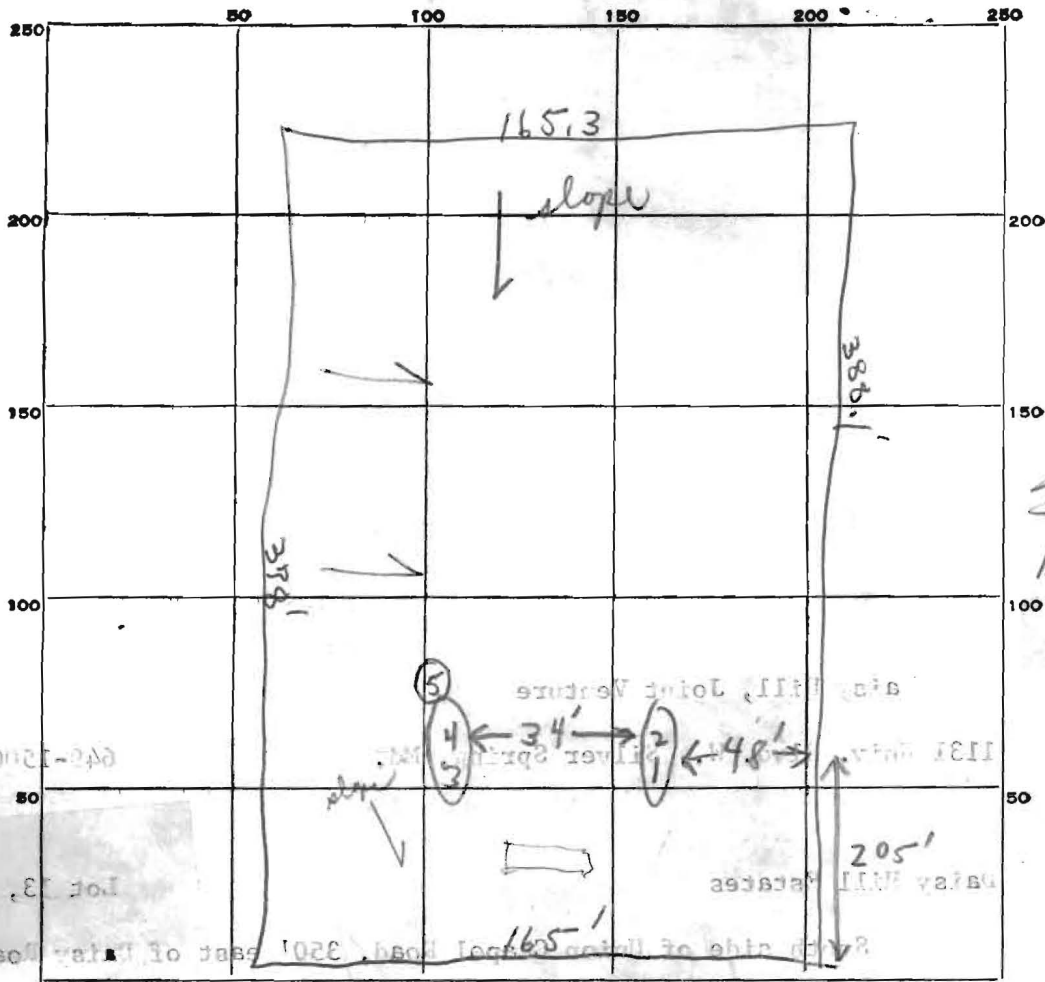
APPROVED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

REJECTED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT



300 A BK
In 5 1/2
Bot 9 1/2

Street 13 Block A

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
2/10/72	1	6 1/2'	11:46	12:04	12:04	12:33	29 min	
	2	11'	11:46	12:00	12:00	12:25	25 min	
	3	6'	12:31	Top little pers.				
	4	11 1/2'	11:50	12:08	12:08	12:30	22 min	
	5	6 1/2'	13:35	13:41	13:41	13:55	14 min	
						4/90	22 min avg	
						1050	unless 42	
(4/10/72)	Visual	12 1/2' - dry					good for 6 1/2'	
							220 yd	

Hold
see above
unless 42
good for 6 1/2'
220 yd

SOIL AUGER FINDING

TESTED BY

B. S.

REMARKS

Use holes 3 + 45

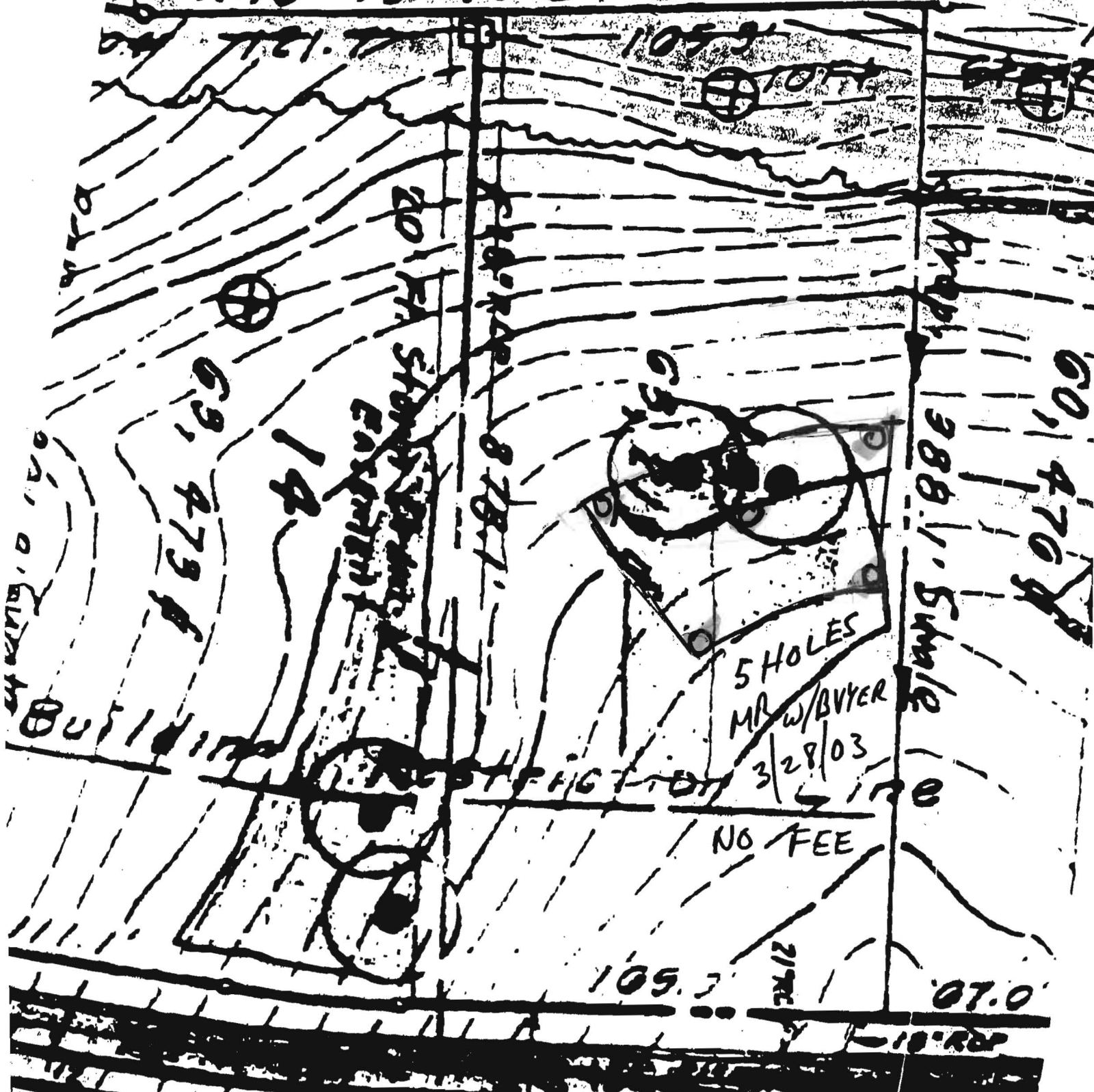
ASHLEYHOMES

1:50

- 1 75 ft
- 2 end of section 190 ft
- 3 front of house 220 ft
- 4 back of house 260 ft

LOT 13

N 16° 13' 40" E 296.0 ft



5 HOLES
 MR W/BUYER
 3/28/03

NO FEE

105.3

279E

07.0

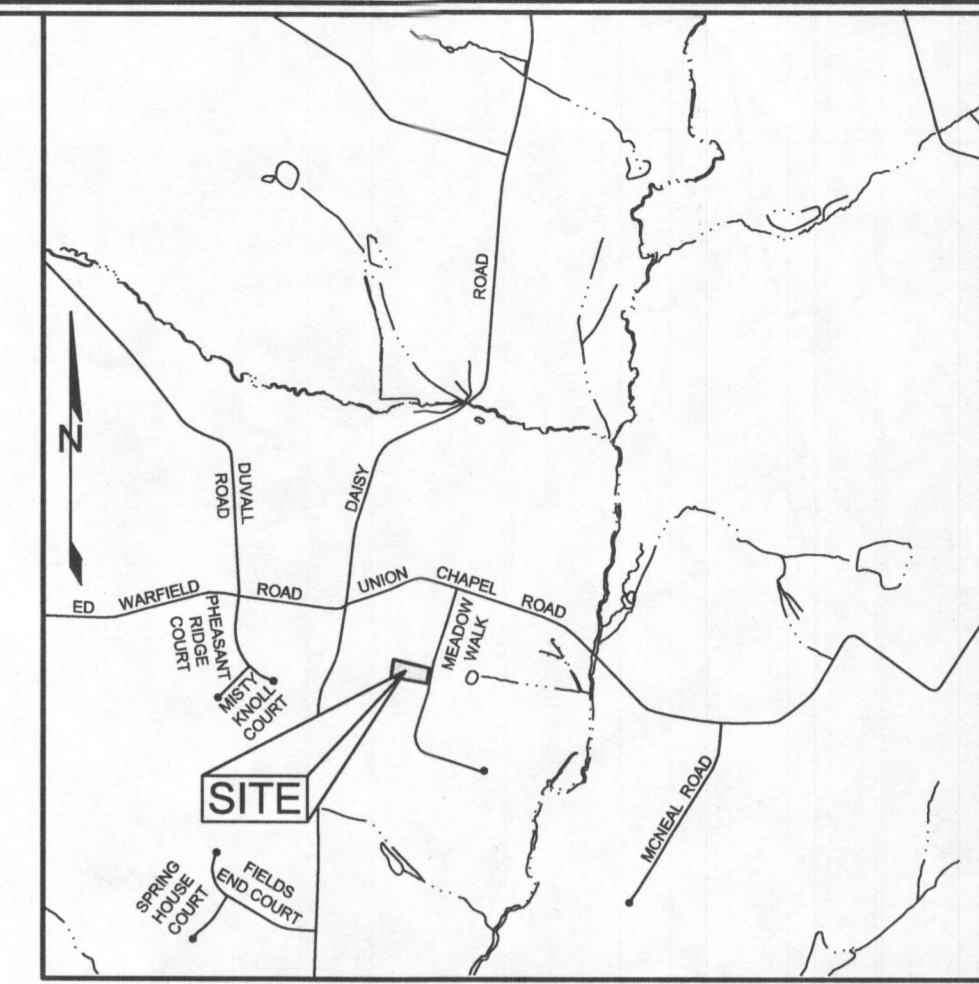
18' ROP

SOILS LEGEND			
SYMBOL	NAME / DESCRIPTION	GROUP	'K' FACTOR
MaD	MANOR LOAM, 15 TO 25 PERCENT SLOPES	B	0.28
GgC	GLENELG LOAM, 8 TO 15 PERCENT SLOPES	B	0.28
GmB	GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES	C	0.43

NOTES:
 1) SOIL INFORMATION HAS BEEN TAKEN FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE; NATURAL RESOURCES CONSERVATION SERVICE; WEBB SOIL SURVEY; SOIL GRID 7, SUB-GRID 282.
 2) HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15 PERCENT OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR 'K' GREATER THAN 0.35 AND WITH A SLOPE GREATER THAN 5 PERCENT.

LEGEND

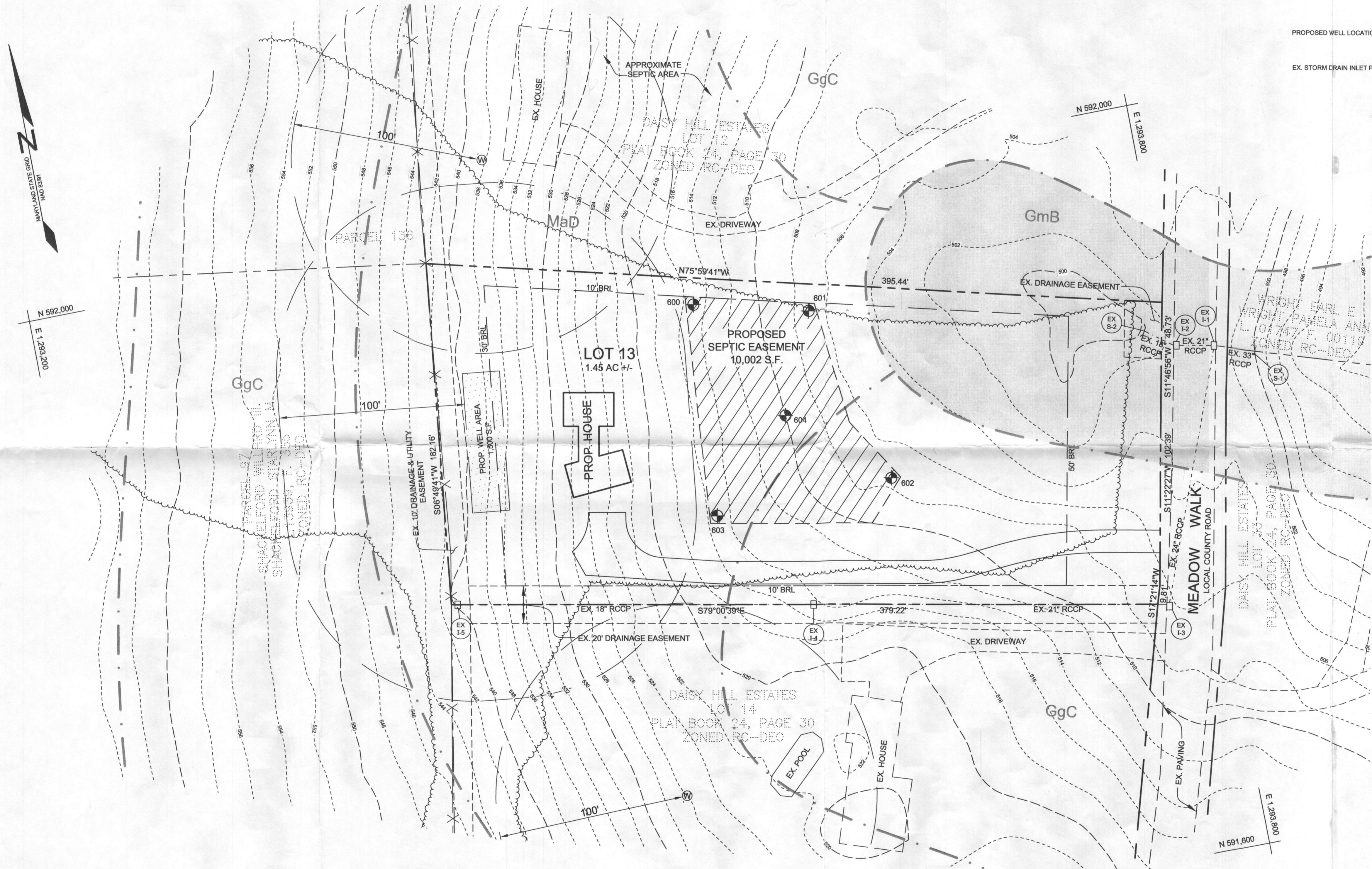
- EXISTING CONTOUR
- EXISTING TREELINE
- PROPOSED SPOT ELEVATION
- PROP. PERCOLATION TEST HOLE STANDARD, PASSED
- EX. APPROXIMATE WELL LOCATION
- SOIL BOUNDARY
- HYDROLOGIC SOIL GROUP 'C'
- PROPOSED WELL LOCATION
- EX. STORM DRAIN INLET PER F-73-024



HOWARD COUNTY ADC MAP 4811 GRID K4
VICINITY MAP
 SCALE: 1"=2000'

GENERAL NOTES

1. SUBJECT PROPERTY ZONED RC-DEO PER 02/02/04 COMPREHENSIVE ZONING PLAN.
2. TOTAL AREA OF PROPERTY = 1.45 AC.
3. PRIVATE WATER AND PRIVATE SEWER WILL BE USED WITHIN THIS SITE.
4. ZZZZ THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT, OF AT LEAST 10,000 SF AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (COMAR 26.04.03). IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS 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 SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
5. THE BOUNDARY SHOWN HEREON IS BASED ON HOWARD COUNTY TAX MAP INFORMATION.
6. THE TOPOGRAPHY SHOWN HEREON IS HOWARD COUNTY AERIAL TOPOGRAPHY FLOWN IN 2004.
7. PROPERTY ADDRESS: 15892 MEADOW WALK, WOODBINE 21797
8. REFERENCES: LIBER 00814, FOLIO 016
9. THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP, WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
10. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
11. ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS WITHIN 100 FEET OF THE PROPERTY BOUNDARIES AND ALL EXISTING AND PROPOSED WELLS THAT ARE LOCATED WITHIN 200 FEET DOWN-GRADE OF EXISTING OR PROPOSED SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS HAVE BEEN LOCATED USING AVAILABLE RECORD DRAWINGS OR HAVE BEEN FIELD LOCATED.



PLAN VIEW
 SCALE: 1"=30'

CONTRACT PURCHASER

GAIANE MKRRTCHIAN
 200 TOWSON TOWN COURT, #512
 TOWSON, MD 21284

OWNER

HANLON CONSTRUCTION
 JOHN HANLON
 100 BRINKWOOD ROAD
 BROOKELVILLE, MD 20833

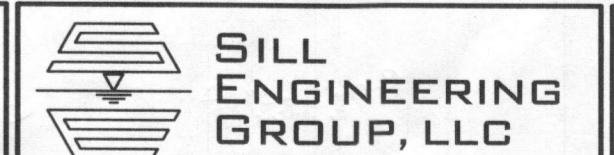
PERCOLATION APPLICATION PLAN

DAISY HILL

LOT 13

TAX MAP 13 GRID 18
 4TH ELECTION DISTRICT

PARCEL 226
 HOWARD COUNTY, MARYLAND



11130 Dovedale Court, Suite 200
 Marriottsville, Maryland 21104
 Phone: 443.325.5076
 Fax: 410.696.2022
 Email: info@sillengineering.com
 Civil Engineering for Land Development

DESIGN BY: PS
 DRAWN BY: KSZ
 CHECKED BY: PS
 SCALE: AS SHOWN
 DATE: JUNE 25, 2015
 PROJECT #: 15-018
 SHEET #: 1 of 1

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. 32025, EXPIRATION DATE: JUNE 20, 2017

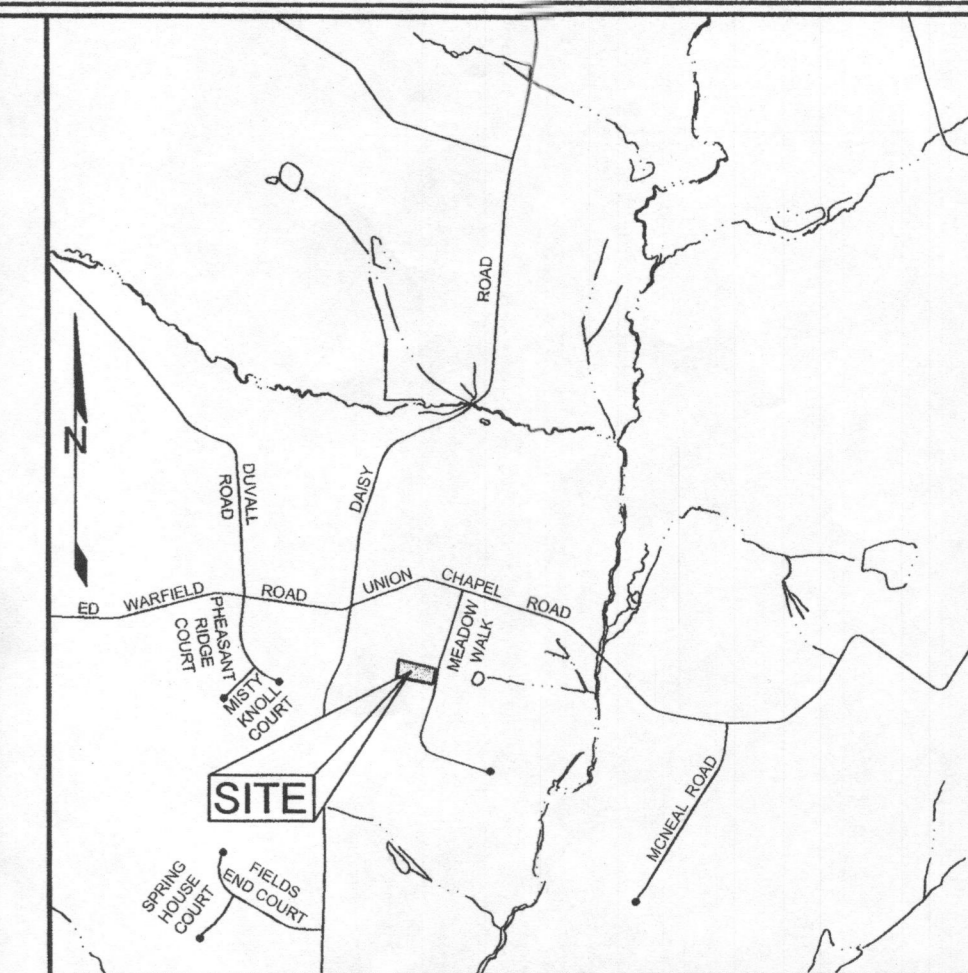
TEST NUMBER	ELEVATION
600	513.99
601	NOT TESTED
602	505.88
603	514.14
604	508.35
605	505.18
606	504.07

SOILS LEGEND			
SYMBOL	NAME / DESCRIPTION	GROUP	'K' FACTOR
MmD	MANOR LOAM, 15 TO 25 PERCENT SLOPES	B	0.28
GgC	GLENELG LOAM, 8 TO 15 PERCENT SLOPES	B	0.28
GmB	GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES	C	0.43

NOTES:
 1) SOIL INFORMATION HAS BEEN TAKEN FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE, WEB SOIL SURVEY, SOIL GRID 7, SUB-GRID 292.
 2) HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15 PERCENT OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR 'K' GREATER THAN 0.35 AND WITH A SLOPE GREATER THAN 5 PERCENT.

LEGEND

- EXISTING CONTOUR
- EXISTING TREELINE
- PROPOSED SPOT ELEVATION
- PERCOLATION TEST HOLE, PASSED
- EX. APPROXIMATE WELL LOCATION
- SOIL BOUNDARY
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- EX. STORM DRAIN INLET PER F-73-024



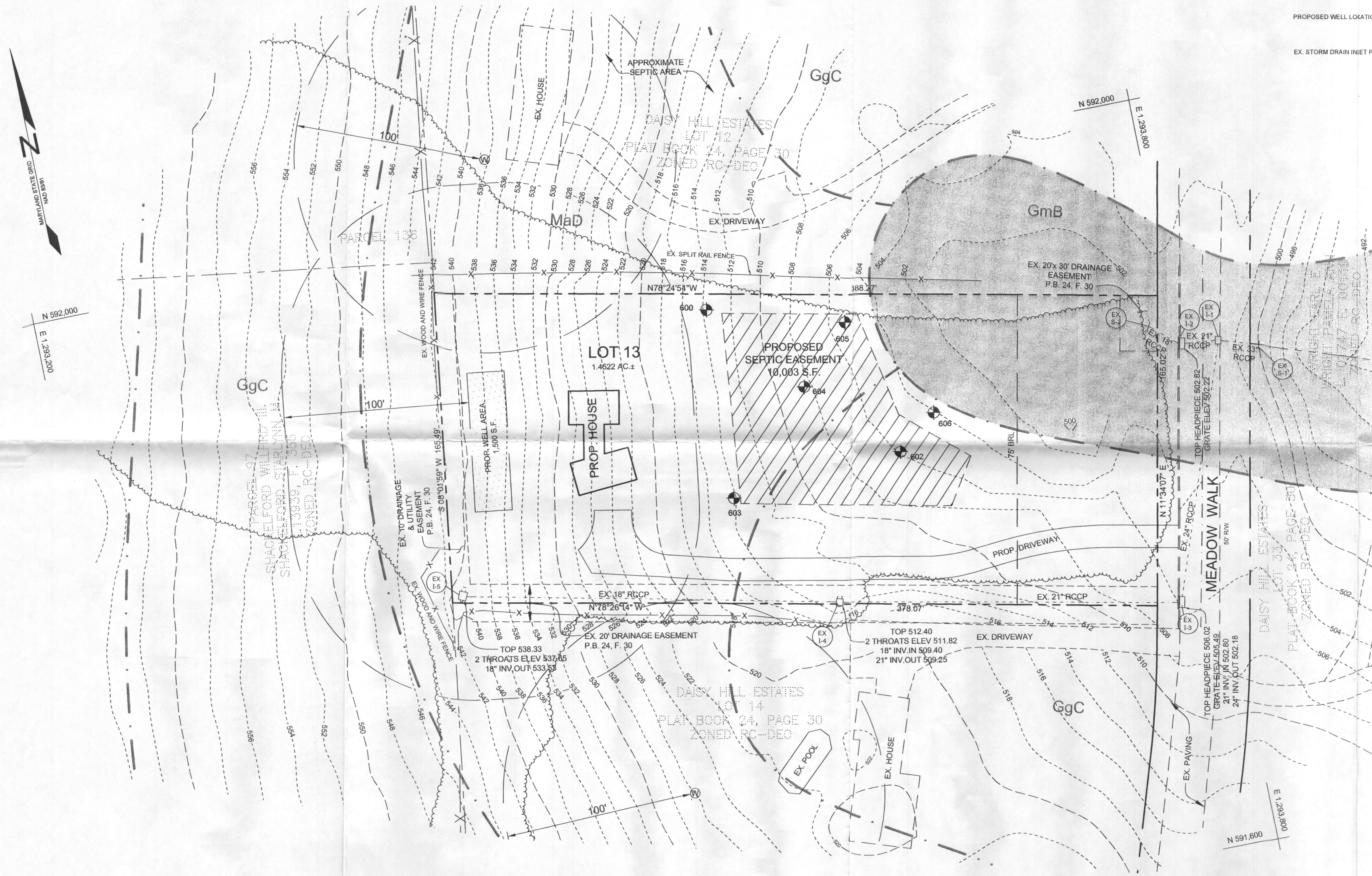
HOWARD COUNTY ADC MAP #511 GRID K4

VICINITY MAP

SCALE: 1"=2000'

GENERAL NOTES

- SUBJECT PROPERTY ZONED RC-DEO PER 020204 COMPREHENSIVE ZONING PLAN.
- TOTAL AREA OF PROPERTY = 1.45 AC ±
- PRIVATE WATER AND PRIVATE SEWER WILL BE USED WITHIN THIS SITE.
- CCZ21 THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT, OF AT LEAST 10,000 SF AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (COMAR 26.04.03). IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS 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 SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
- THE BOUNDARY SHOWN HEREON IS BASED ON A FIELD RUN BOUNDARY SURVEY PREPARED BY SHANBERGER & LANE, LLC, DATED JULY 29, 2015.
- THE TOPOGRAPHY SHOWN HEREON HAS BEEN FIELD RUN BY SHANBERGER & LANE, LLC, DATED JULY 29, 2015. THE EXISTING TOPOGRAPHY SHOWN OUTSIDE THE SITE IS BASED ON HOWARD COUNTY AERIAL TOPOGRAPHY FLOWN IN 2004.
- PROPERTY ADDRESS: 15892 MEADOW WALK, WOODBINE 21797
- REFERENCES: LIBER 00814, FOLIO 016
- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP, WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
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SCALE: 1"=30'

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 TOWSON, MD 21284

OWNER

HANLON CONSTRUCTION
 JOHN HANLON
 100 BRINKWOOD ROAD
 BROOKWILLE, MD 20833

PERCOLATION CERTIFICATION PLAN
DAISY HILL ESTATES

LOT 13

TAX MAP 13 GRID 18
4TH ELECTION DISTRICT

PARCEL 226
HOWARD COUNTY, MARYLAND

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Paul M. Sill
 PAUL M. SILL, PE, LEED AP
 LICENSED PROFESSIONAL ENGINEER #32025

8/12/2015
 DATE

8/15
 DATE

STATE OF MARYLAND
 PAUL M. SILL
 PROFESSIONAL ENGINEER
 No. 32025

SILL ENGINEERING, LLC
 11130 Dovedale Court, Suite 200
 Manassasville, Maryland 21104
 Phone: 443.325.5076
 Fax: 410.696.2022
 Email: info@sillengineering.com
 Civil Engineering for Land Development

DESIGN BY: PS
 DRAWN BY: KSZ
 CHECKED BY: PS
 SCALE: AS SHOWN
 DATE: AUGUST 6, 2015
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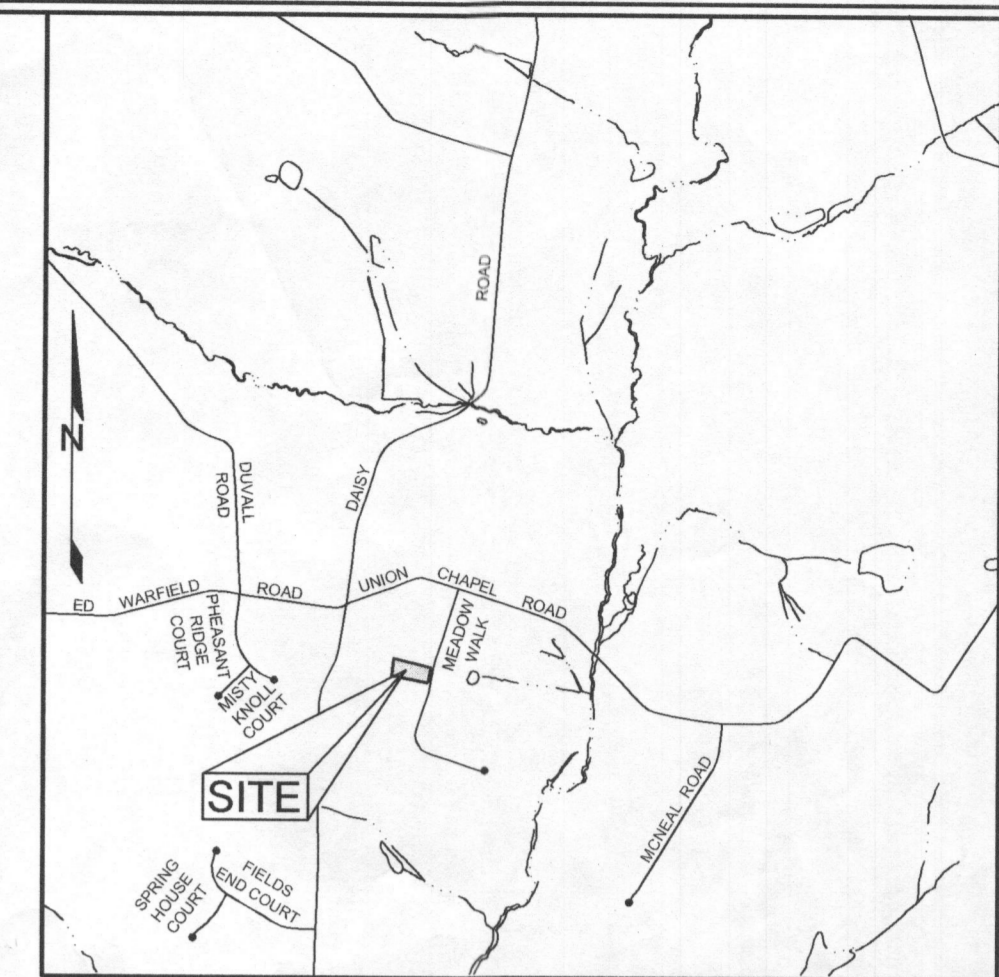
TEST NUMBER	ELEVATION
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SOILS LEGEND			
SYMBOL	NAME / DESCRIPTION	GROUP	'K' FACTOR
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GmB	GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES	C	0.43

NOTES:
 1) SOIL INFORMATION HAS BEEN TAKEN FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE, WEB SOIL SURVEY, SOIL GRID 7, SUB-GRID 292.
 2) HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15 PERCENT OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR 'K' GREATER THAN 0.35 AND WITH A SLOPE GREATER THAN 5 PERCENT.

LEGEND

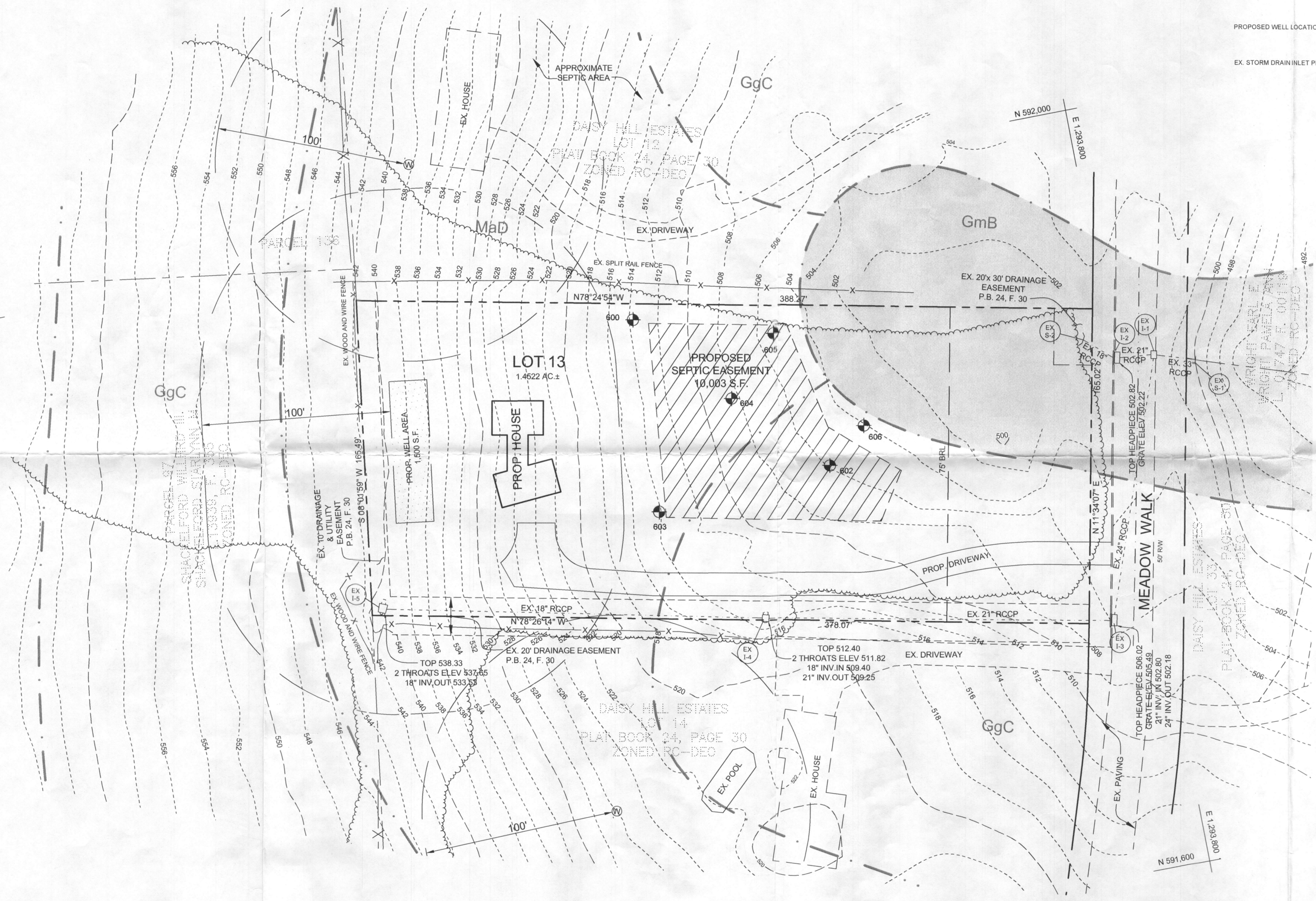
- EXISTING CONTOUR
- EXISTING TREELINE
- PROPOSED SPOT ELEVATION
- PERCOLATION TEST HOLE, PASSED
- EX. APPROXIMATE WELL LOCATION
- SOIL BOUNDARY
- HYDROLOGIC SOIL GROUP 'C'
- PROPOSED WELL LOCATION
- EX. STORM DRAIN INLET PER F-73-024



HOWARD COUNTY ADC MAP 4811 GRID K4
VICINITY MAP
 SCALE: 1"=200'

GENERAL NOTES

1. SUBJECT PROPERTY ZONED RC-DEO PER 02/02/04 COMPREHENSIVE ZONING PLAN.
2. TOTAL AREA OF PROPERTY = 1.45 AC±.
3. PRIVATE WATER AND PRIVATE SEWER WILL BE USED WITHIN THIS SITE.
4. THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT, OF AT LEAST 10,000 SF AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (COMAR 26.04.05). IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS 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 SEWAGE EASEMENT RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
5. THE BOUNDARY SHOWN HEREON IS BASED ON A FIELD RUN BOUNDARY SURVEY PREPARED BY SHANBERGER & LANE, LLC, DATED JULY 29, 2015.
6. THE TOPOGRAPHY SHOWN HEREON HAS BEEN FIELD RUN BY SHANBERGER & LANE, LLC, DATED JULY 29, 2015. THE EXISTING TOPOGRAPHY SHOWN OUTSIDE THE SITE IS BASED ON HOWARD COUNTY AERIAL TOPOGRAPHY FLOWN IN 2004.
7. PROPERTY ADDRESS: 15892 MEADOW WALK, WOODBINE 21797.
8. REFERENCES: LIBER 00814, FOLIO 016.
9. THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP, WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
10. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
11. ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS WITHIN 100 FEET OF THE PROPERTY BOUNDARIES AND ALL EXISTING AND PROPOSED WELLS THAT ARE LOCATED WITHIN 200 FEET DOWN-GRADE OF EXISTING OR PROPOSED SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS HAVE BEEN LOCATED USING AVAILABLE RECORD DRAWINGS OR HAVE BEEN FIELD LOCATED.



PLAN VIEW
 SCALE: 1"=30'

CONTRACT PURCHASER

GAIANE MKRTHCHIAN
 200 TOWSON TOWN COURT, #512
 TOWSON, MD 21284

OWNER

HANLON CONSTRUCTION
 JOHN HANLON
 100 BRINKWOOD ROAD
 BROOKVILLE, MD 20833

PERCOLATION CERTIFICATION PLAN
DAISY HILL ESTATES

LOT 13

TAX MAP 13 GRID 18
 4TH ELECTION DISTRICT

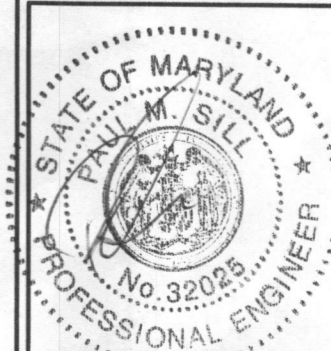
PARCEL 226
 HOWARD COUNTY, MARYLAND

APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

MAURA ROSEMAN 8/12/2015
 COUNTY HEALTH OFFICER H.C. DATE
 HOWARD COUNTY HEALTH DEPARTMENT

PAUL M. SILL, PE, LEED AP
 LICENSED PROFESSIONAL ENGINEER #32025
 DATE 8/6/15



SILL ENGINEERING GROUP, LLC
 11130 Dovedale Court, Suite 200
 Marriottsville, Maryland 21104
 Phone: 443.325.5076
 Fax: 410.696.2022
 Email: info@sillengineering.com
 Civil Engineering for Land Development

DESIGN BY: PS
 DRAWN BY: KSZ
 CHECKED BY: PS
 SCALE: AS SHOWN
 DATE: AUGUST 6, 2015
 PROJECT #: 15-018
 SHEET #: 1 of 1

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 32025, EXPIRATION DATE: JUNE 30, 2017.