



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) 4-18-06 TEST TIME 9am A/P 523834
 AGENCY REVIEW: ADDITIONAL TESTING DATE 4-18-06

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 _____ 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) Qtz Hill LLC - John Congedo
 DAYTIME PHONE 410-880-3006 CELL 443-463-2717 FAX _____
 MAILING ADDRESS 885 Rt 97 Cooksville 21723
STREET CITY/TOWN STATE ZIP

APPLICANT SAME
 DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS _____
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
 SUBDIVISION/PROPERTY NAME Qtz Hill II LOT NO. 3
 PROPERTY ADDRESS Northwest Corner of Rt 97 & 99 Behind Parcel
STREET TOWN/POST OFFICE ZIP

TAX MAP PAGE(S) 8 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 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

AVP 523834

Proposed Lot 73

331
Brn
hug L

(342)
Str red brn
hug L - CL
ABZ upr
Δ 3 1/2 -
5'
White
L + brn
LS
Med gr
w/ Saprolite
compact
↓
BOTTOM 12'

(343)

NEED
Field
Run top
due to
severe
swell

(5')
11 brn SL
west
wall
BOULDER
@ Grade
to 6'
deep
Bottom

(342)

(341)
→ 25'

12'

(341)
Str org.
brn
L
3 sbk
5m peels
4'

N?

11 brn
LS
Rx < 10%
↓
BOTTOM 12'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H	
4-18-06	342							
	(342)	5'	12:06	12:08	12:12	4	P ✓	
	(341)	5'	12:14	12:16	12:18	2	P ✓	
	(343)	9'	5 gallons into bottom				7 min	
			1:38	1:45			Manual	
	331	5 1/2'	1:47	1:49	1:53	4	P	

(343)
Hvy Brn
L
2'
11 brn
Med gr
SAND
lg frags
of flagstone
9' Refusal

REMARKS _____
 SANITARIAN Race BACKHOE Hatfield OTHERS Angedo
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

Lot 3

COUNTY #

SOIL PROFILE

0' (344)

Red Br Clay Loam

3.5'

Red Br Sa Cl Loam

4.0'

> 50% Rock

6.0'

Hard Bottom

(347)

Red Br Clay Loam

3.0'

Light Red Br Si Sa Loam

10-15% Rock

11'

(345)

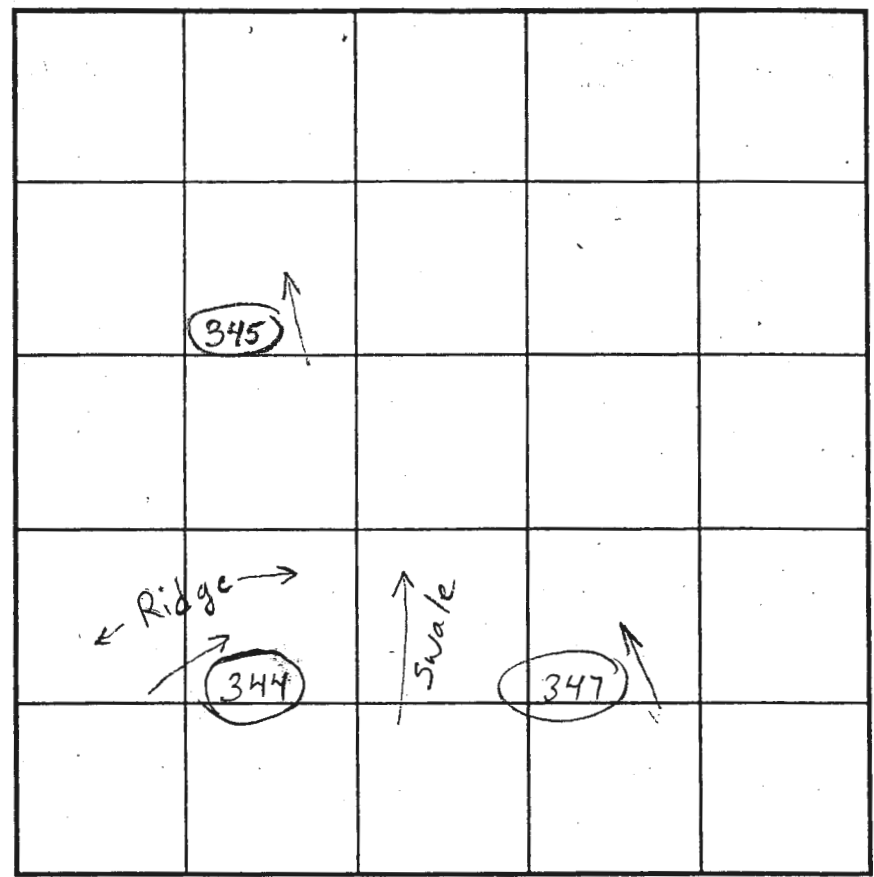
Red Br Cl Loam Rocky

3.5'

Or Br Sa Cl Loam

~ 20% Rock

12.0'



SOIL PROFILE

0'

INDICATE NORTH NAME ADJOINING ROADWAY AS BASE LINE.
Route 97

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11/13/00	(344)	6.0' V	—	See Profile	→	(F)	
11/15/00	347	4.5'/11' V	10:45	10:48	10:48	10:55	7
12/21/00	345	5'/12' V	3:18	3:21	3:21	3:31	10

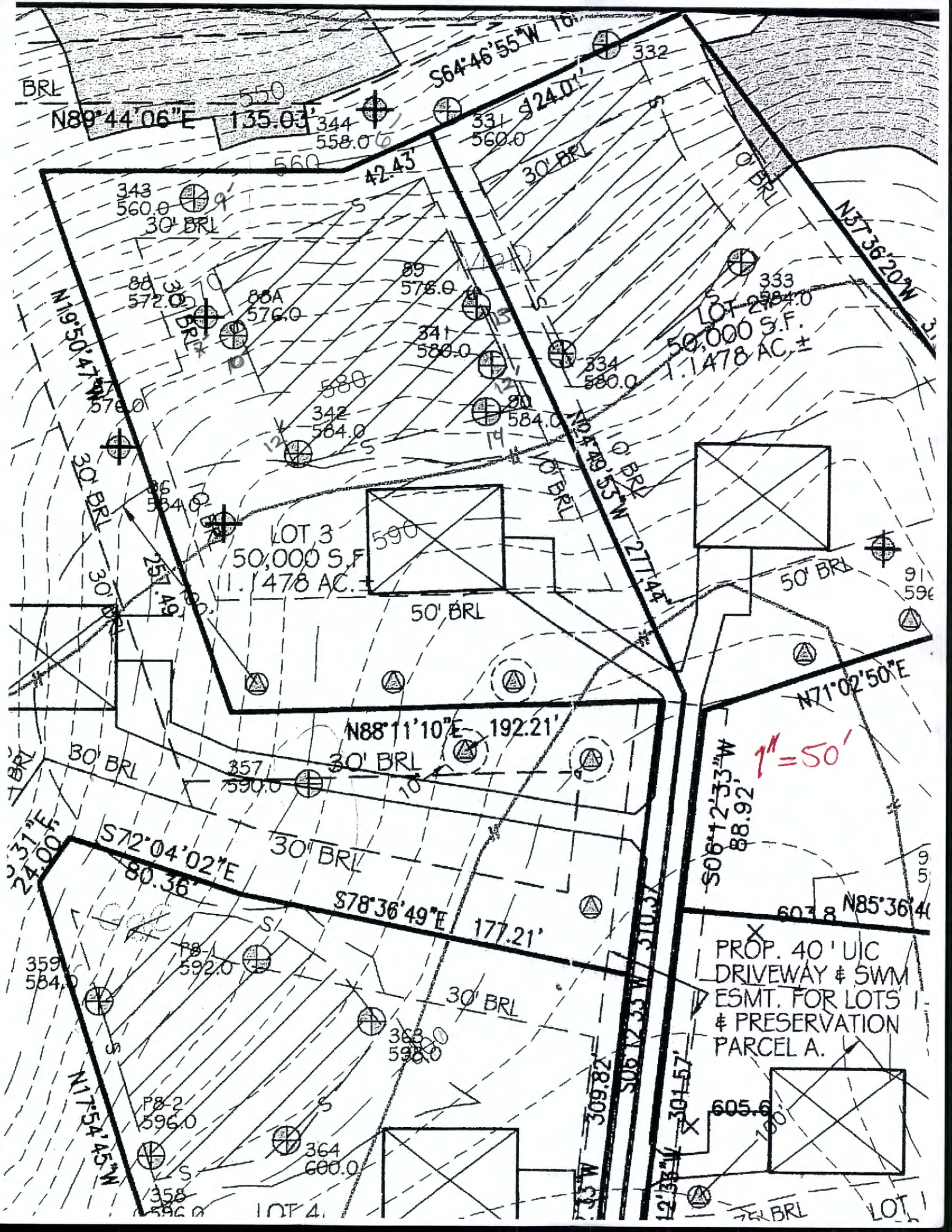
REMARKS 344 → Failed, Insufficient Depth to Bedrock

TYPE OF SOIL 345 + 347 are O.K, Beware of Swale

TESTED BY B. Baker ALSO PRESENT Mike Johnson,

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH John Conrado

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT/BEDROOM _____



LOT 3
50,000 S.F.
1.1478 AC.

LOT 2
50,000 S.F.
1.1478 AC.

PROP. 40' UIC
DRIVEWAY & SWM
ESMT. FOR LOTS
& PRESERVATION
PARCEL A.

1" = 50'

LOT 4

LOT 1

N89°44'06"E 135.03'

S64°46'55"W 101.00'

42.43'

S24°01' 332

N57°36'20"W 311.00'

N19°50'47"W 576.00'

88A 576.0

89 576.0

341 586.0

334 580.0

342 584.0

340 584.0

336 584.0

335 584.0

350 590.0

N88°11'10"E 192.21'

357 590.0

S72°04'02"E 80.36'

358 596.0

S78°36'49"E 177.21'

363 596.0

P8-2 596.0

364 600.0

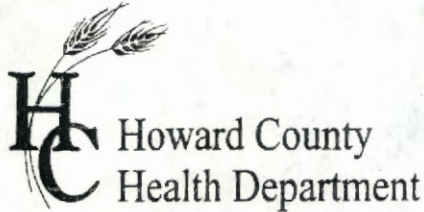
S06°12'33"W 88.92'

N85°36'40" 603.8

S06°12'33"W 309.82'

S06°12'33"W 301.57'

605.6



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP # 523834

AGENCY REVIEW: _____

DATE 12/20/05

DO NOT WRITE ABOVE THIS LINE

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- INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) Quartz Hill, LLC - John Congedo

DAYTIME PHONE (410) 880-3006 CELL (443) 463-2717 FAX (301) 604-3143

MAILING ADDRESS 885 Rt 97 (Hoods Mill Rd.) Cooksville MD 21723
STREET CITY/TOWN STATE ZIP

APPLICANT Quartz Hill, Section 2

DAYTIME PHONE (410) 880-3006 CELL (443) 463-2717 FAX (301) 604-3143

MAILING ADDRESS 885 Rt 97 (Hoods Mill Rd.) Cooksville MD 21723
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME Northwest corner of Rt 97 & Rt 99 LOT NO. 5

PROPERTY ADDRESS Behind Parcel 33, 2 of 4
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 8 GRID _____ PARCEL(S) _____ PROPOSED LOT SIZE _____

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John Congedo
SIGNATURE OF APPLICANT

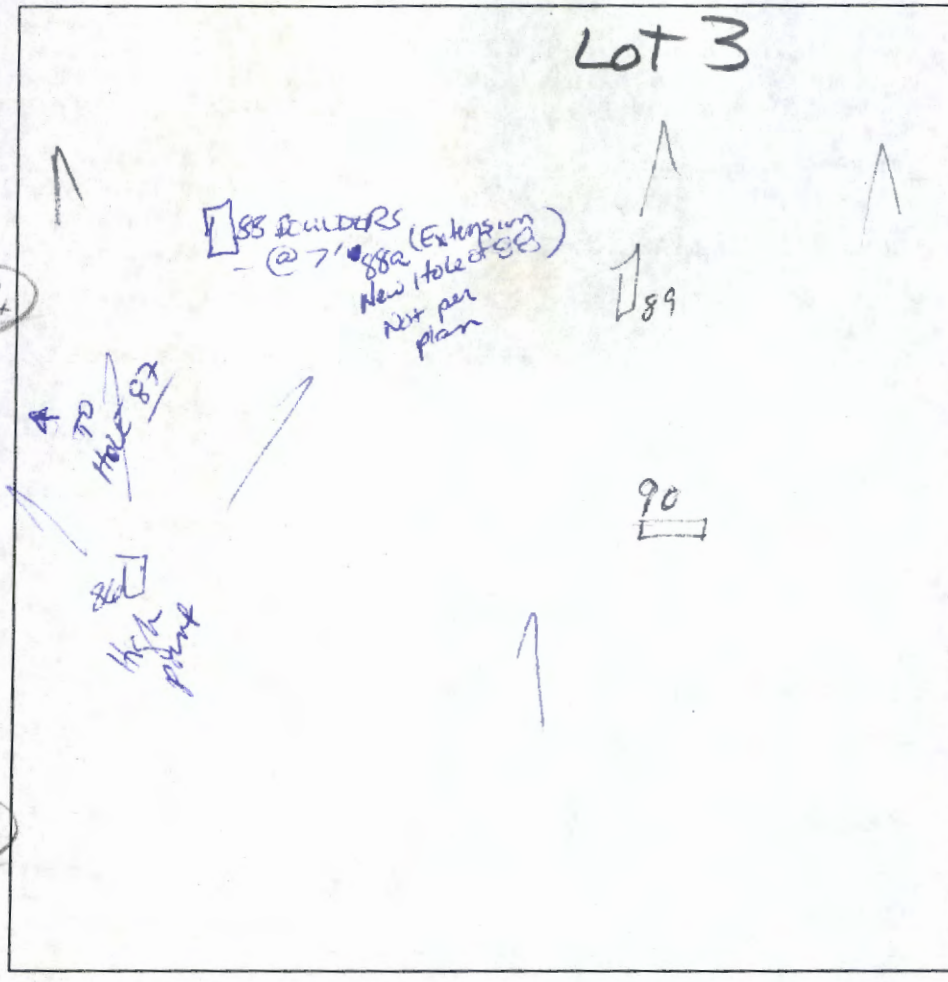
HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MARYLAND 21043-4544 (410) 313-1771 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

Lot 3

AP
 89
 Str org
 Loam,
 hvy L/
 pebbles
 & SL
 6' ±
 Str org
 Loam
 wcs.g.
 pebbles 40%
 Bottom 13'

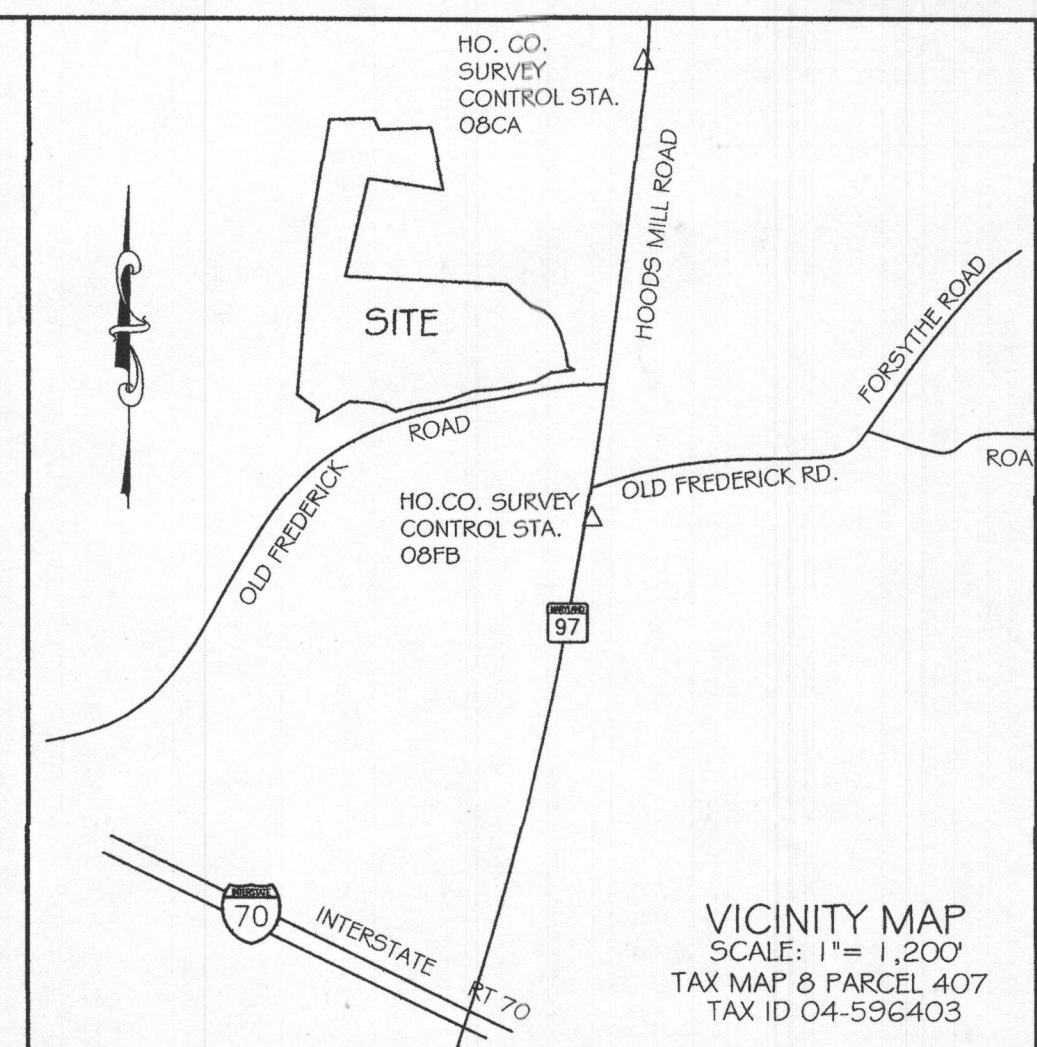
90
 Brn
 CL
 5'
 Lt brn
 w Kong
 storm
 Rock 40%
 14' Bottom

88a
 org brn
 med gr
 SAND
 West wall
 Lt brn
 y brn
 pebbles
 v of
 SL
 Bottom
 10'



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
2/22/06	87	4'	12:47	12:48	12:51	3+	P ✓
	90	SEE Note for 87				3+	P ✓
	88	Excessive Rock begins @ 7' (on west wall) MED-LG GRAIN SAND ABN					F
	86	FAILS EXCESSIVE ROCK					F
	88a	5 1/2'	1:20	1:27	1:29	2min	M/MP ✓
	87	SHALLOW STONE FRAGS TO 5' Refused					F

REMARKS _____
 SANITARIAN Kaci BACKHOE Hatfield OTHERS owner
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____



GENERAL NOTES:

- OWNER: QUARTZ HILL II, LLC
DEED REFERENCE: LIBER 9801 FOLIO 502 & LIBER 11072 FOLIO 664
DATE: DECEMBER 23, 2005 & FEBRUARY 1, 2008
GRANTOR: MARYLAND STATE HIGHWAY ADMINISTRATION & QUARTZ HILL III, LLC
- TAX MAP: 8 GRID: 11 PARCEL: 401
- NEAREST POTABLE WATER SUPPLY: SYKESVILLE DISTANCE: 3.0 MILES ±
- THE SUBJECT PROPERTY IS LOCATED IN ZONE C (AREA OF MINIMAL FLOODING) AS PLOTTED BY SCALE ON NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 240044 0008B, DATED 12/4/86.
- TOPOGRAPHY: FROM AERIAL PHOTOGRAMMETRY COMPILED BY POTOMAC AERIAL SURVEYS IN JANUARY 2001. CONTOUR INTERVAL 15' 2 FEET. VERTICAL DATUM IS NGVD29.
- THE BASIS OF BEARINGS FOR THIS PLAN IS THE MARYLAND COORDINATE SYSTEM (NAD83) PER HOWARD COUNTY SURVEY CONTROL STATIONS 08PB & 08CA.
- THERE ARE NO WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THE PROPERTY BOUNDARY UNLESS OTHERWISE SHOWN HEREON.
- THE EXISTING WELLS SHOWN ON THIS PLAN HAVE BEEN FIELD LOCATED BY VANMAR ASSOCIATES AND ACCURATELY SHOWN.
- SOIL TYPES: BAILE (BA), CODORUS & HATBORO (Co), GLENELG (GgC, GgC), GLENVILLE (GmB), GLENVILLE-BAILE (GhB), MANOR (MaB, MaC, MaD), MANOR-BRINKLOW (MmF), HOWARD COUNTY SOILS MAP GRID NO. 270 & 271.
- ZONING DISTRICT: RCDEO
- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREAS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
- ANY CHANGES TO A PRIVATE SEPTIC AREA WILL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.

THIS AREA DESIGNATES A PRIVATE SEWERAGE AREA OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE AREAS SHALL BECOME NULL AND VOID UPON CONNECTION TO PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS. RECORDATION OF A MODIFIED SEWERAGE AREA SHALL NOT BE NECESSARY.

(PASSED) PERCOLATION TEST SITE:

(FAILED) PERCOLATION TEST SITE:

PROPOSED WELL:

PROPOSED HOUSE SITE:

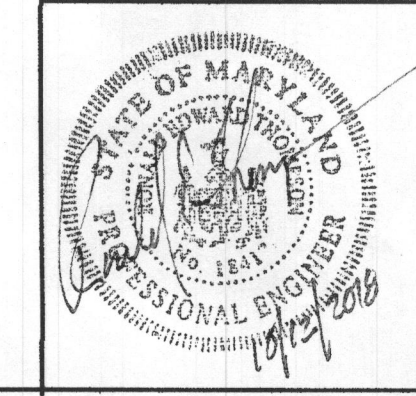
25% OR GREATER SLOPES:

THE PURPOSE OF THIS PLAN IS TO SHOW A REVISED SEWAGE DISPOSAL AREA FOR LOT 3

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. 18417, Expiration Date: 9-18-18.

DATE	REVISIONS

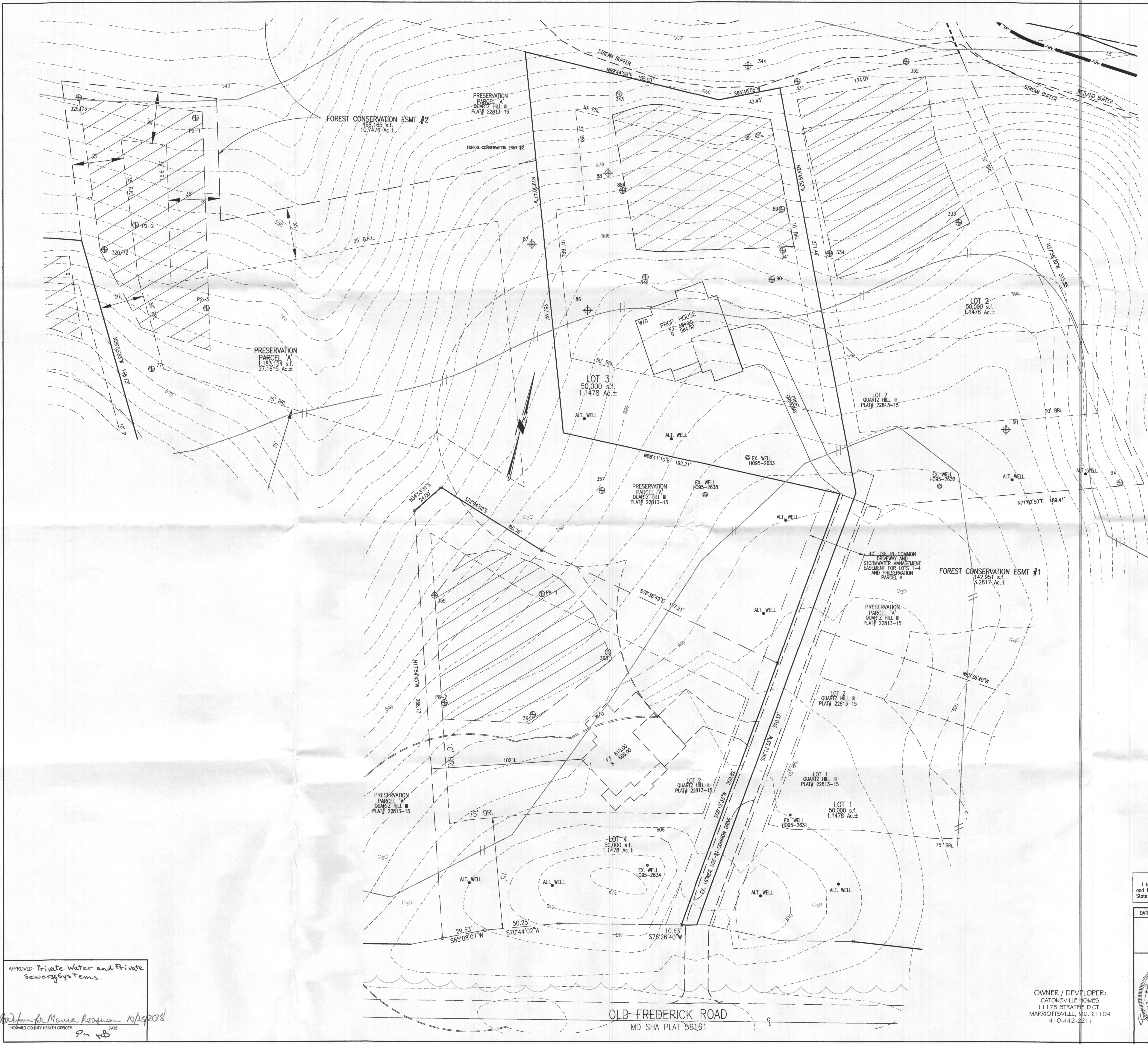
REVISED PERCOLATION CERTIFICATION PLAN
14522 OLD FREDERICK ROAD
LOT 3
QUARTZ HILL III
PLAT No. 22813-228125



14534 OLD FREDERICK ROAD
FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE: 1" = 30' OCTOBER 2018

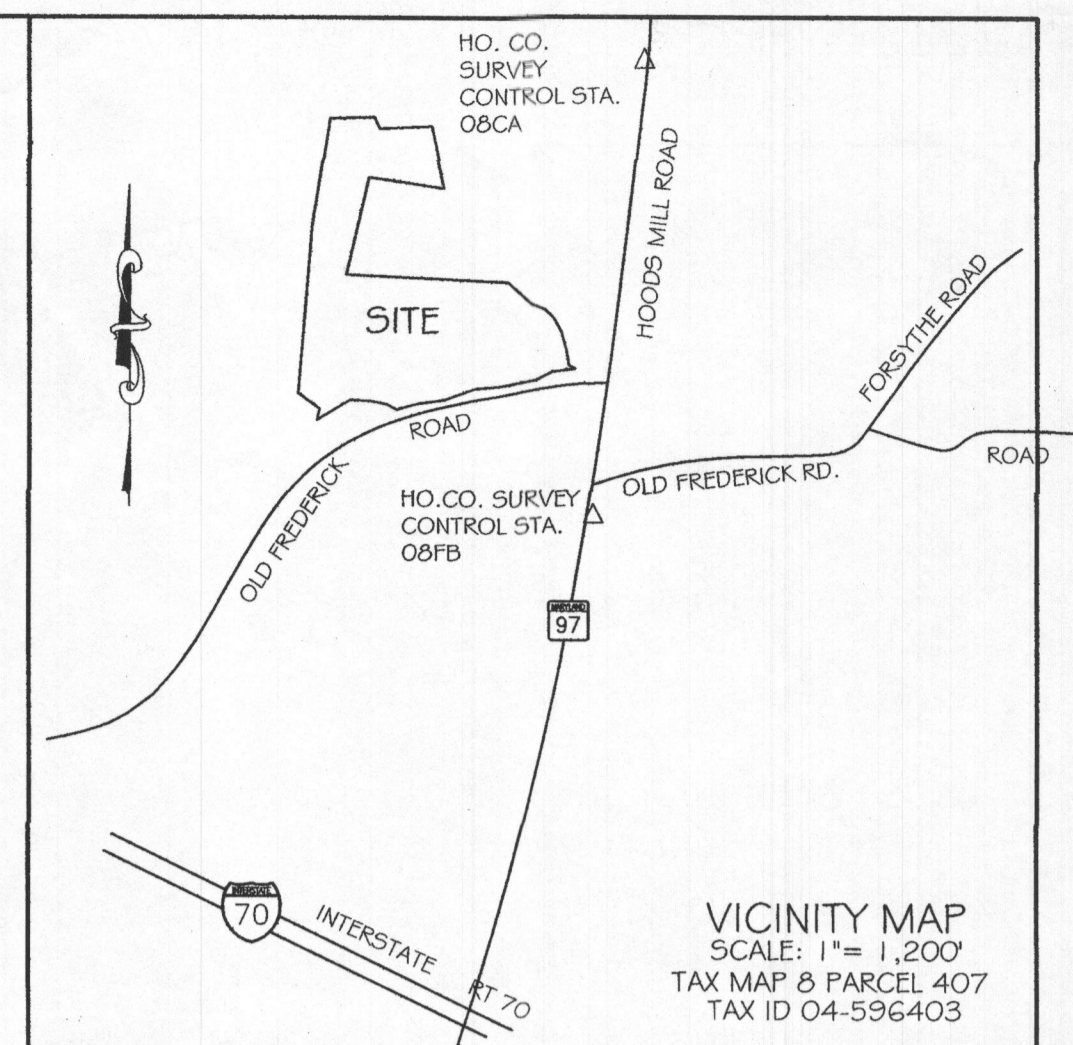
VANMAR ASSOCIATES, INC.
Engineers Surveyors Planners
310 South Main Street Mount Airy, Maryland 21771
(301) 829-2890 (301) 831-5015 (410) 549-2751
Fax (301) 831-5603 ©Copyright, Latest Date Shown

OWNER / DEVELOPER:
CATONVILLE HOMES
11175 STRATFIELD CT.
MARRIOTTVILLE, MD. 21104
410-442-2211



APPROVED: Private Water and Private Sewerage Systems.
Maria Rosman 10/30/2018
HOWARD COUNTY HEALTH OFFICER DATE

OLD FREDERICK ROAD
MD SHA PLAT 36161



GENERAL NOTES:

- OWNER: QUARTZ HILL II, LLC
DEED REFERENCE: LIBER 5601 FOLIO 502 & LIBER 11072 FOLIO 664
DATE: DECEMBER 23, 2005 & FEBRUARY 1, 2008
GRANTOR: MARYLAND STATE HIGHWAY ADMINISTRATION & QUARTZ HILL III, LLC
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- NEAREST POTABLE WATER SUPPLY: SYKESVILLE DISTANCE: 3.0 MILES ±
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- SOIL TYPES: BAILE (BA), CODORUS (# HATBORO (C)), GLENELG (GaB, GgC), GLENVILLE (GhB), GLENVILLE-BAILE (GhB), MANOR (MaB, MaC, MaD), MANOR-BRINKLOW (MhF), HOWARD COUNTY SOILS MAP GRID NO. 270 & 271.
- ZONING DISTRICT: RCDEO
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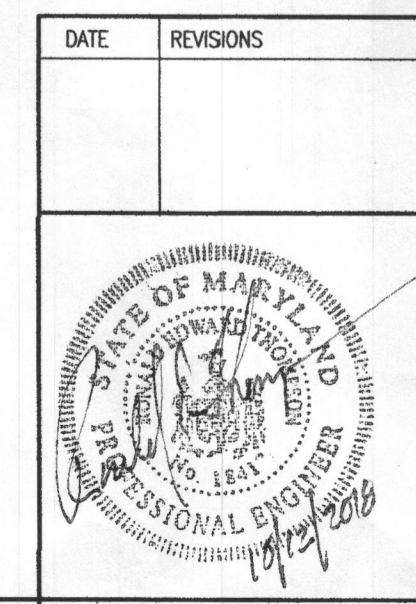
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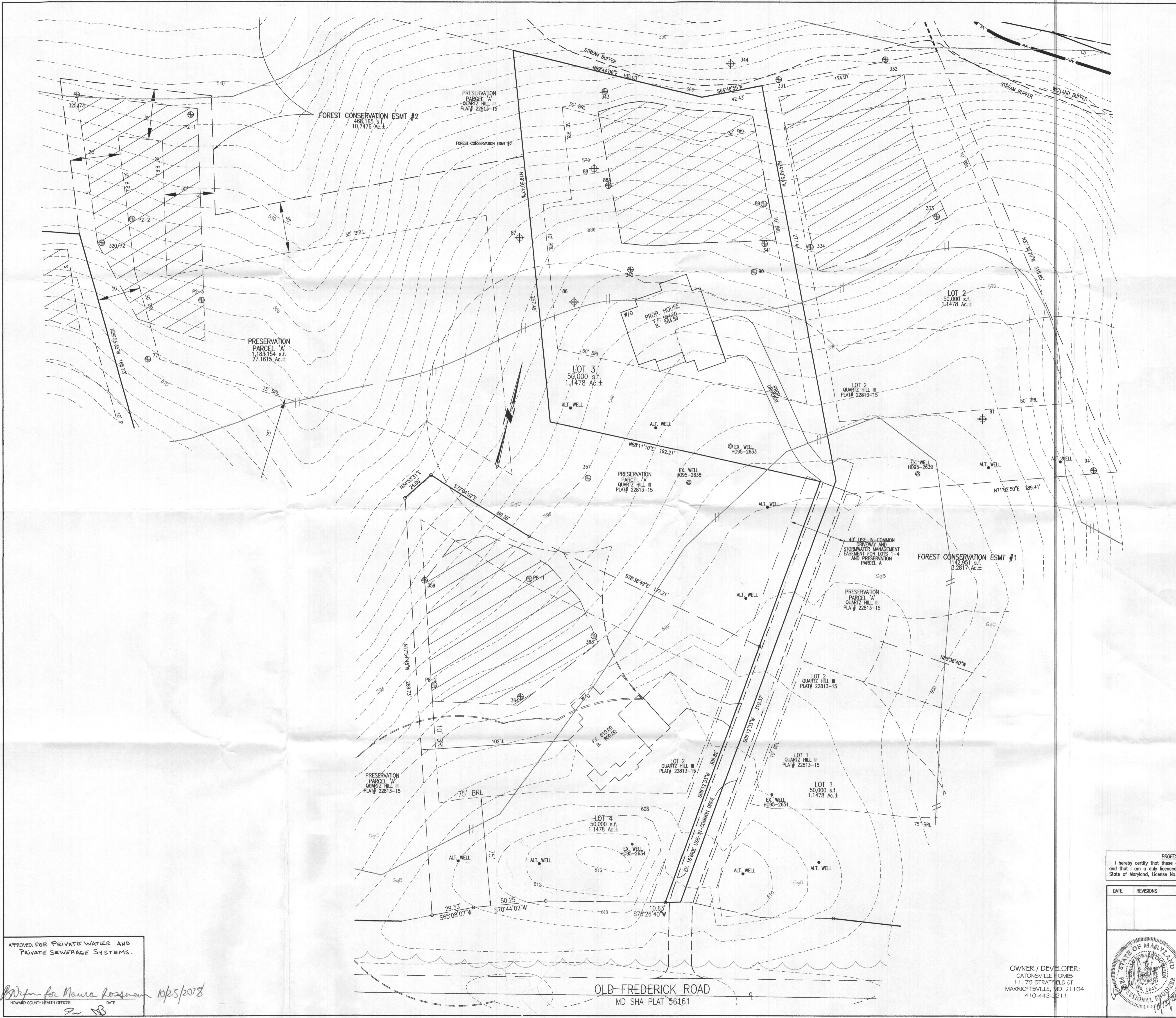


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LOT 3
QUARTZ HILL III
PLAT No. 22813-22815

14534 OLD FREDERICK ROAD
FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE: 1" = 30' OCTOBER 2018

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11175 STRATFIELD CT.
MARRIOTTVILLE, MD. 21104
410-442-2211

VANMAR ASSOCIATES, INC.
Engineers Surveyors Planners
310 South Main Street Mount Airy, Maryland 21771
(301) 828-2890 (301) 831-5015 (410) 549-2751
Fax (301) 831-5603 ©Copyright, Latest Date Shown



APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.

Signature for Mauro Rossano 10/25/2018
DATE

HOWARD COUNTY HEALTH OFFICER