



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____ AP 527284
 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 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) TROY D. OSTEN

DAYTIME PHONE 301-633-6709 CELL 301-633-6709 FAX _____

MAILING ADDRESS 2141 GRANT FARM COURT MARIOTTSVILLE MD 21104
STREET CITY/TOWN STATE ZIP

APPLICANT TROY D OSTEN

DAYTIME PHONE _____ CELL 301-633-6709 FAX _____

MAILING ADDRESS 2141 Grant Farm Court Marriottsville MD 21104
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME 1435 MARIOTTSVILLE RD LOT NO. 4

PROPERTY ADDRESS 1435 MARIOTTSVILLE RD MARIOTTSVILLE, MO 21104
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 10 GRID 10 PARCEL(S) 277 PROPOSED LOT SIZE 3.20 Acres

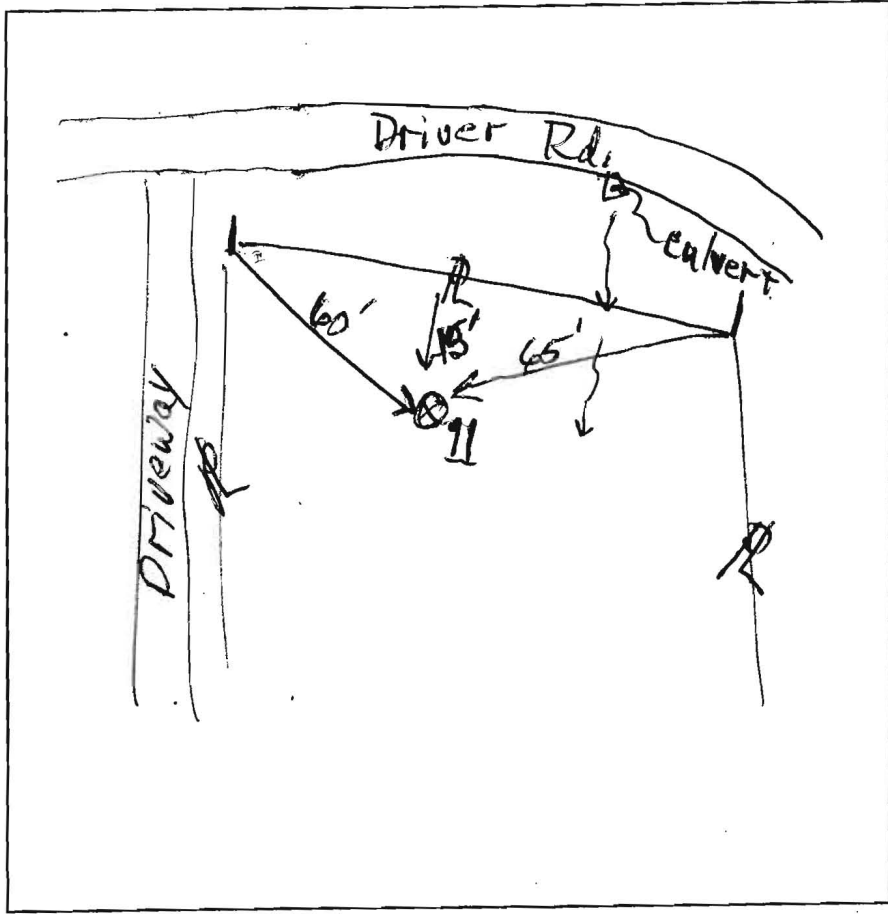
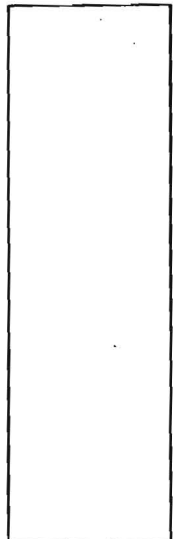
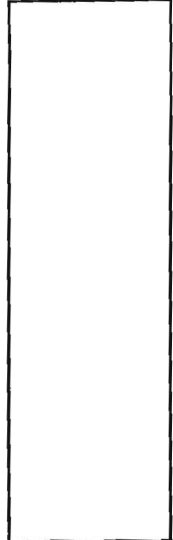
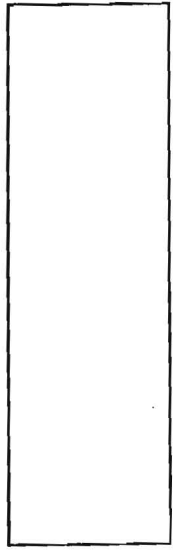
AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A.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

TEST RESULTS WILL BE MAILED TO APPLICANT.

[Signature]
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 _____



11

Ak brn
Sandy loam

0.5' - 1' lg

3' - 1msbk
few boulders

lt. brn
scl

5' - xfirm
red-brn
sl (heavy)
dense

6.5' - vft sl
brown

40% flags
& stone

9.5' - R

| DATE | TEST # | DEPTH | START | BREAK 1" DROP | STOP 2" DROP | TIME OF 2ND INCH | P/F/H |
|---------|--------|--------|-------|------------------|-----------------|---------------------|-------|
| 11/2/07 | 11 | 6' 45" | 0 | ~ 1/2" | | 25min | F |
| | | | | | | | |
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| | | | | | | | |

REMARKS _____

SANITARIAN RB BACKHOE Penny OTHERS Troy Osten

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

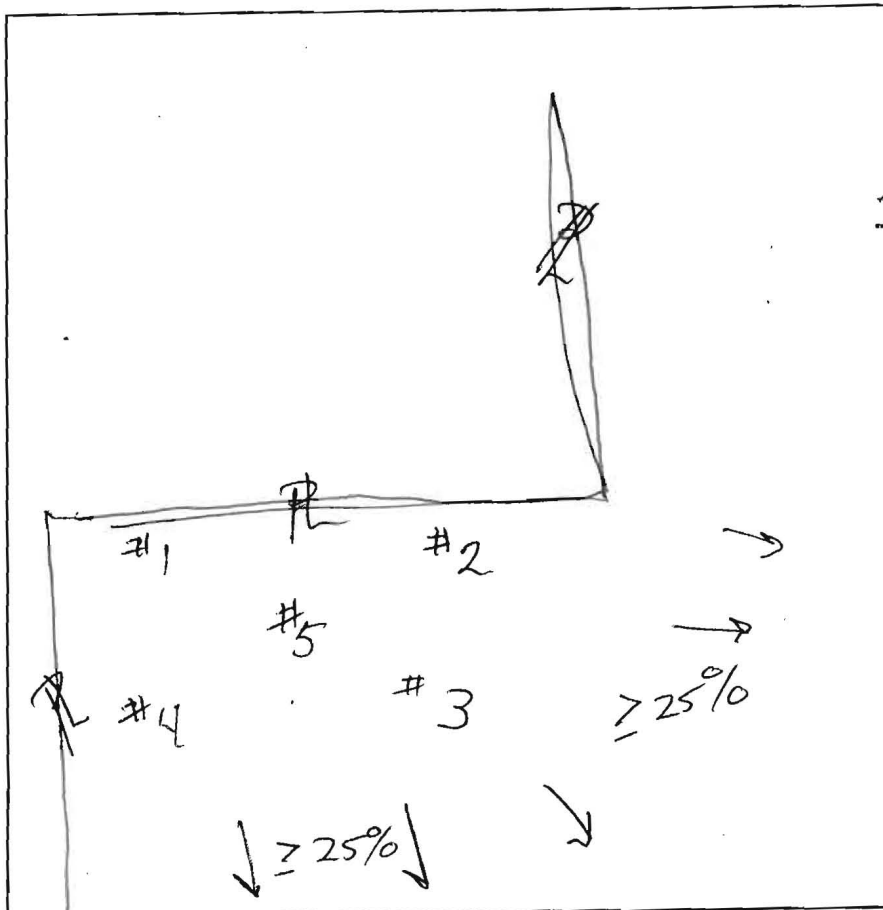
TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

AP

(5)
 0.2' dk brn sl
 brn scl
 2.5' 80%+ shale gritty
 3' R

(1)
 0.3' dk brn sl
 brn sl to yel brn sl
 3.5' 60% to 75% weathered shale bedded gritty
 5.8' R

(4)
 0.3' dk brn sl
 brn to dk brn ch scl
 2.6' thin flaggy bedded shale 70%+ rock
 3.1' R



(3)
 0.5' dk brn sl 1' g
 brn scl
 1' msbk
 few mica
 2.2' 80%+ gray platy shale micaceous gritty
 3.5' R

(2)
 0.4' dk brn sl
 lt. brn scl
 1' msbk
 10% channels
 2.2' 60% shale platy, gritty micaceous
 4' R

| DATE | TEST # | DEPTH | START | BREAK 1" DROP | STOP 2" DROP | TIME OF 2ND INCH | P/F/H |
|---------|--------|-------|---------|---------------|--------------|------------------|-------|
| 11/2/07 | 5 | 2.5 | Visual, | | 80%+ shale | | F |
| 11/2/07 | 1 | 3.5 | Visual, | | >60% shale | | F |
| 11/2/07 | 4 | 2.6 | Visual, | | 70%+ shale | | F |
| 11/2/07 | 3 | 2.2 | Visual, | | 80%+ shale | | F |
| 11/2/07 | 2 | 2.2 | Visual, | | 60%+ shale | | F |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

REMARKS _____
 SANITARIAN RB BACKHOE Donny OTHERS Troy Sten
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____

AST Consultants Inc.

7885 Cloudleap Court, Suite # 231
Columbia, Maryland 21045

443.325.7633 (P) 410.456.2402 (P) 301.560.8848 (Fax)
E-Mail: astconsultant@gmail.com

VARIANCE LETTER

(A52784) 1435 Marriottsville Road

Wednesday, September 05, 2007

To: Howard County Health Department
7178 Columbia Gateway Drive, Columbia Maryland 21046
Mr. Robert Bricker, Environmental Sanitarian
Attn: Mr. Mike Davis

From: Amrish Patel, P.E. AST Consultants Inc.

Subject: Variance letter request for 1435 Marriottsville Road – Lot 4, A52784,

RE: Variance letter based on Howard County Health Dept. Letter dated August 15, 2007 with request of variance.

This variance request is made for 1435 Marriottsville Road, Tax Map No.10, Parcel /274, Lot # 4 to allow location of septic easement with in 25' setback of upland swale and with in 25'± of slopes of 25% or more.

The site is 3.20 Acres located between Marriottsville Road and Driver Road and comprises of mostly wooded area. The topography of site is generally on steep slopes draining towards Marriottsville road. The slopes ranges between 10% to 25% or greater. There is an existing old abandoned house on the property.

We have submitted a percolation plan application for the subject property. We have tried to limit the disturbance and locate the proposed energy efficient house and septic fields in areas where the slopes are the most gentle. The site is severely constrained in unusable area because of steep slopes and alternative locations were not feasible.

The septic field is located more than 200' away from existing and proposed wells. The proposed septic easement is approx. 600' away and 30' uphill from the proposed house. There is a dry swale near the proposed septic field; however the drainage area to the swale is so small that no runoff flows through it. We have as the best possible maintained distance of 25'± from the 25% slopes. Further the property downhill from the proposed easement is a vacant wooded parcel and does not impact any adjoining owners.

Variance Letter for 1435 Marriottsville Road

We are requesting a variance for the 25' setback and adjacent to steep slopes due to the design constraints of the site and the fact that there will be no negative impact to the adjoining properties.

We appreciate the consideration in this regards. Please feel free to call us, if any further clarification is required.

Sincerely,

Amrish Patel, P.E.
410-456-2402

Attachments:

Perc. Plat

ORIGINAL COMMENTS FROM
H.C. HEALTH DEPT.

AST Consultants Inc.

7885 Cloudleap Court, Suite # 231
Columbia, Maryland 21045

443.325.7633 (P) 410.456.2402 (P) 301.560.8848 (Fax)
E-Mail: astconsultant@gmail.com

To: Mr. Robert Bricker, Environmental Sanitarian
Well and Septic Program

From: Amrish Patel, P.E. AST Consultants Inc.

Subject: Resubmission of Percolation Application Plan for
1435 Marriottsville Road – Lot 4, A52784,

RE: Howard County Health Dept. Letter dated August 15, 2007

The Percolation Application Plan with comments and responses has been resubmitted for approval herewith this letter.

1.0 *Propose 10,000 sq. ft. of area that does not occur on slopes exceeding 25 percent.*

Response: Variance Letter to allow location of septic easement within 25 ft.

2.0 Also the easement proposed on the plan drawn by AST consultant, Inc is impacted by:

a. *25-foot setback to centerline of an upland drain.*

Response: Upland drain is greater than 25' due to reconfiguration of proposed septic field..

b. *It is up gradient and within 200 feet of a proposed or existing well.*

Response: wells are moved to satisfy 200 ft setback of proposed or existing well.

c. *A structural footprint is drawn within the boundaries of the easement that is not labeled, and neither is indication give for the type of foundation.*

Response: The structural footprint has been deleted within the boundaries of the proposed septic easement.

d. The proposed septic easement appears to span a broad swale; there is a better location on the property where 10,000 sq. ft. of suitable soil may be found.

Response: The location shown is the most ideal for energy efficient house. The other property location not possible due to lot layout. The site for the proposed house is restricted due to bounds of site topography and setbacks control factors.

3.0 The existing or proposed well near the existing house is down gradient and within 200 feet of the septic easement on lot 6.

Response: The proposed well locations moved to satisfy the 200 feet of septic easement.

4.0 Wells need to be labeled "existing" or "proposed".

Response: The wells are labeled as existing or proposed.

5.0 Show the existing septic system for the 2- story frame residence on the subject property.

Response: No information found for existing septic system for 2-story frame residence on the subject property. To verify with previous owners.

6.0 Please submit a request of variance with the next proposed percolation test drawing. The specific request is to allow location of septic easement within the 25-foot setback above and beside slopes that exceed 25 percent. Address request to Mike Davis, Bureau of Environmental Health.

Response: The request of variance for location of septic easement within the 25 foot setback above and beside slopes that exceed 25 percent has been submitted to Mike Davis, Bureau of Environmental Health.

7.0 Place the well and septic program "A number" (A427284) in or near the title box.

Response: A427284 number added to drawing attached herewith.

8.0 Show the soil map units, preferably from the most recent NRCS survey (2002-03, available at <http://solidatamart.nrcs.usda.gov/>).

Response: Soil map units has been added to the drawing.

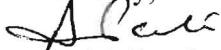
9.0 Show Howard County 2-foot contour intervals on the proposal for percolation testing.

Response: 2' field run survey topography has been shown.

Attachments:

Percolation test application form *Comments dated Aug. 15, 07*
Variance letter-Mike Davis
Drawings

Sincerely,



Amrish Patel, P.E.

410-456-2402

AST Consultants Inc.

7885 Cloudleap Court, Suite # 231

Columbia, Maryland 21045

443.325.7633 (P) 410.456.2402 (P) 301.560.8848 (Fax)

E-Mail: astconsultant@gmail.com

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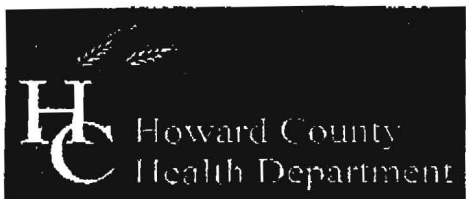
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Attachments:

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Variance letter-Mike Davis
Drawings

Sincerely,


Amrish Patel, P.E.
410-456-2402



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

To: Troy D. Osten, Applicant

From: Robert Bricker, Environmental Sanitarian Well and Septic Program

RE: 1435 Marriottsville Road -Lot 4, A527284; Percolation Application Plan

Date: August 15, 2007

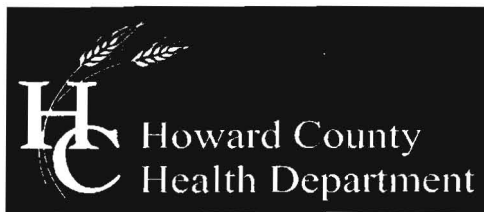
The Percolation Application Plan submitted for the subject property is rejected at this time. The plan is deficient in that the area defined as a proposed septic easement is impacted by several environmental conditions:

- 1. Propose 10,000 sq. ft. of area that does not occur on slopes exceeding 25 percent.
2. Also, the easement proposed on the plan drawn by AST Consultant, Inc. is impacted by:
a. 25-foot setback to centerline of an upland drain
b. It is upgradient, and within 200 feet, of a proposed or existing well.
c. a structural footprint is drawn within the boundaries of the easement that is not labeled, and neither is indication given for the type of foundation.
d. the proposed septic easement appears to span a broad swale, there is a better location on the property where 10,00 sq.ft. of suitable soils may be found.
3. The existing or proposed well near the existing house is downgradient and within 200 feet of the septic easement on Lot 6.
4. Wells need to be labeled 'Existing' or 'Proposed'.
5. Show the existing septic system for the 2-story frame residence on the subject property.
6. Please submit a Request of Variance with the next proposed perc test drawing. The specific request is to allow location of septic easement within the 25-foot setback above and beside slopes that exceed 25 percent. Address request to Mike Davis, Bureau of Environmental Health.
7. Place the well and septic program 'A number' (A527284) in or near the title box.
8. Show the Soil Map Units, preferably from the most recent NRCS survey (2002-03, available online at http://soildatamart.nrcs.usda.gov/).
9. Show Howard County 2-foot contour intervals on the proposal for percolation testing.

I am enclosing a document listing the Percolation Certification Plan requirements for Howard County. I am also enclosing a list of regulated setbacks.

If you have any questions regarding these requirements please call 410-313-1771.

Enclosures
Copy: AST Consultant, Inc. (facsimile)
file



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

To: Troy D. Osten,
 Applicant

From: Robert Bricker, Environmental Sanitarian
 Well and Septic Program

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Date: August 15, 2007

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2. Also, the easement proposed on the plan drawn by AST Consultant, Inc. is impacted by:
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 - b. It is upgradient, and within 200 feet, of a proposed or existing well.
 - c. a structural footprint is drawn within the boundaries of the easement that is not labeled, and neither is indication given for the type of foundation.
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9. Show Howard County 2-foot contour intervals on the proposal for percolation testing.

has been reviewed and the following must be addressed prior to submittal.

10,000

I am enclosing a document listing the Percolation Certification Plan requirements for Howard County. I am also enclosing a list of regulated setbacks.
 If you have any questions regarding these requirements please call 410-313-1771.

Enclosures
 Copy: AST Consultant, Inc. (facsimile)
 file

Troy@clean-homes.com



Howard County
Health Department

Bureau of Environmental Health
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Peter L. Beilenson, M.D., M.P.H., Health Officer

November 27, 2007

Mr. Troy D. Osten
2141 Grant Farm Court
Marriottsville, MD 21104-1468

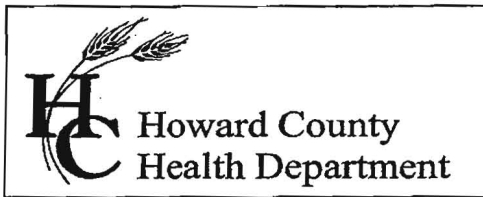
Re: Proposed new house construction
State Tax account Identifier: 03-285804
1435 N Marriottsville Road
Marriottsville, MD 21104

Dear Mr. Osten:

The Department of Health witnessed percolation testing under application number A527284 for the above referenced property on November 2, 2007. Due to slopes greater than twenty-five percent and a swale with a spring there was only one area in the northern back corner of the property suitable for percolation testing to determine if the soils are suitable for on-site sewage disposal. The testing revealed soils that are not suitable for subsurface disposal due to shale between 2.2 and 3.5 feet below the ground surface and slopes that exceed twelve percent (not suitable for a mound system).

The *Code of Maryland Regulations (COMAR), Title 26 Department of the Environment, Subtitle 4 Regulation of Water Supply, Sewage Disposal, and Solid Waste* dictates on-site sewage disposal system requirements for the construction of a septic system and subsequent approval of a building permit for the construction of a single family residence. Specifically, COMAR 26.04.02.04 C.(1) does not allow for the approval of a conventional on-site sewage disposal if the required four foot treatment zone contains rock fragments which exceed fifty percent by volume if percolation testing in the four foot zone is not faster than one inch in two minutes. Shale is by nature fractured and will not provide a four foot treatment zone. COMAR 26.04.02.04 I does not allow the on-site sewage disposal system and recovery area to be located in slopes of twenty-five percent or greater. COMAR 26.04.02.05 Q 1.(d) does not allow a mound system in slopes greater than twelve percent.

The property has been reviewed by this Department and the Residential Sanitarian's Regional Consultant of the Department of the Environment and considered for conventional and innovative and alternative technology or experimental design, but due to the slopes greater than twenty-five percent, shallow rock conditions, and the swale with a water seepage it has been determined to be unsuitable for on-site sewage disposal. The only options for development of the property is connection to public sewer if it



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Peter L. Beilenson, M.D., M.P.H., Health Officer

November 27, 2007

Mr. Troy D. Osten
2141 Grant Farm Court
Marriottsville, MD 21104-1468

Re: Proposed new house construction
State Tax account Identifier: 03-285804
1435 N Marriottsville Road
Marriottsville, MD 21104

Dear Mr. Osten:

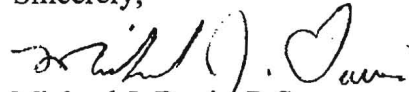
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becomes available to the property or identifying an off site sewage disposal area on an adjacent property for the existing lot of record.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael J. Davis". The signature is fluid and cursive, with the first name "Michael" being the most prominent.

Michael J. Davis, R.S.

Well & Septic Program Manager

C: Hollimon Roberta Inez L/E
Barry Glotfelty, MDE

1435 Marriottsville Road

photos

11/20/07 Met w/ Barry concave
w/ Turn-down.

MSJ



Driveway 'easement' to subject property;
house and cess pit on left, spring to right.



House, South side



House, south and east



House, east and north sides



House, west side



Structures at east side and view of house inside open door



Drinking water is collected in brick 'spring box' (see hose). Spring and box are not on subject property.



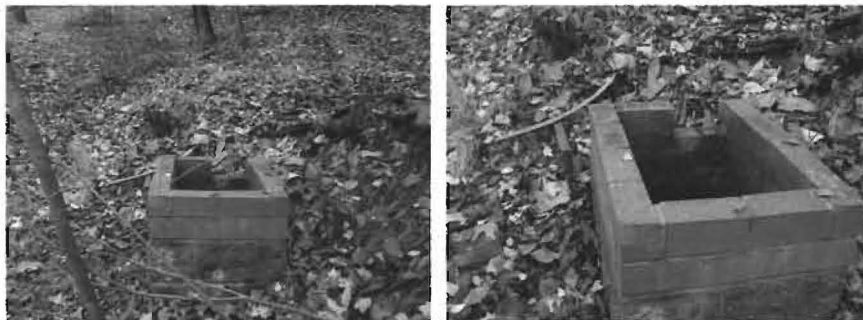
Cess pit west of house.



Structures at east side and view of house inside open door



Drinking water is collected in brick 'spring box' (see hose). Spring and box are not on subject property.



House, east and north sides



House, west side



1435 Marriottsville Road

photos

Driveway 'easement' to subject property;
house and cess pit on left, spring to right.



House, South side



House, south and east



A "MDE SEWAGE EASEMENT FOR LOTS CREATED AFTER MARCH 1, 1974"

THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICERS SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THIS PRIVATE SEWAGE EASEMENT. RECORDATION OF A REVISED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

STREET ADDRESS : 1435 MARRIOTT'S VILL ROAD, MD 21104

DATE : JULY, 2007

LEGEND:

LOT : 4
 TAX MAP : 10
 PARCEL : 277
 OWNER : TROY D. OSTEN
 ADDRESS : 2141 GRANT FARM COURT
 MARRIOTT'SVILLE, MD 21104

ENGINEERS: **AST CONSULTANT INC.**
 8775 CLOUDLEAP CT.
 SUITE # 231
 COLUMBIA, MD 21045
 PH: (410) 456-2402
 FAX: (301) 560-8848
 E-mail: astconsultant@gmail.com

- ⊕ PASSED
- ⊖ FAILED
- ⊕ HELD FOR REVIEW
- ▨ SLOPE > 25%

PROPOSED LOT SIZE : 3.20 ACRES

SURVEY BY : **NJR & ASSOCIATES.LLC.**
 8015 DORSEY POND
 MD 20794
 (410) 799-9089

REVISIONS

PROPOSED
 XXXXXX
 XXX XXXX XX
 XXXXXX
 XXXXXXXXXXXX
 XXXXXXX XXXXX

ADC GRID: 6R/D10
 TAX MAP: 10
 ACCT: XX-XXXXXXXXX
 PARCEL #277
 DEED#: XXXXX/XXX
 ELECTION DISTRICT: XX

OWNER'S CONTACT INFO
 1435
 MARRIOTT'S VILL ROAD,
 MD 21104
 PHONE: (XXX) XXX-XXXX

LEGEND:

- ⊕ PASSED
- ⊖ FAILED
- ⊕ HELD FOR REVIEW
- ▨ SLOPE > 25%

ENGINEERS:

AST CONSULTANT INC.
 8775 CLOUDLEAP CT.
 SUITE # 231
 COLUMBIA, MD 21045
 PH: (410) 456-2402
 FAX: (301) 560-8848
 E-mail: astconsultant@gmail.com

SURVEY BY:

NJR & ASSOCIATES.LLC.
 8015 DORSEY POND
 MD 20794
 (410) 799-9089

DRAWN BY

XXX

CHECKED BY

XXX

DATE

XX/07/07

Scale: 1" = 30'

SHEET TITLE

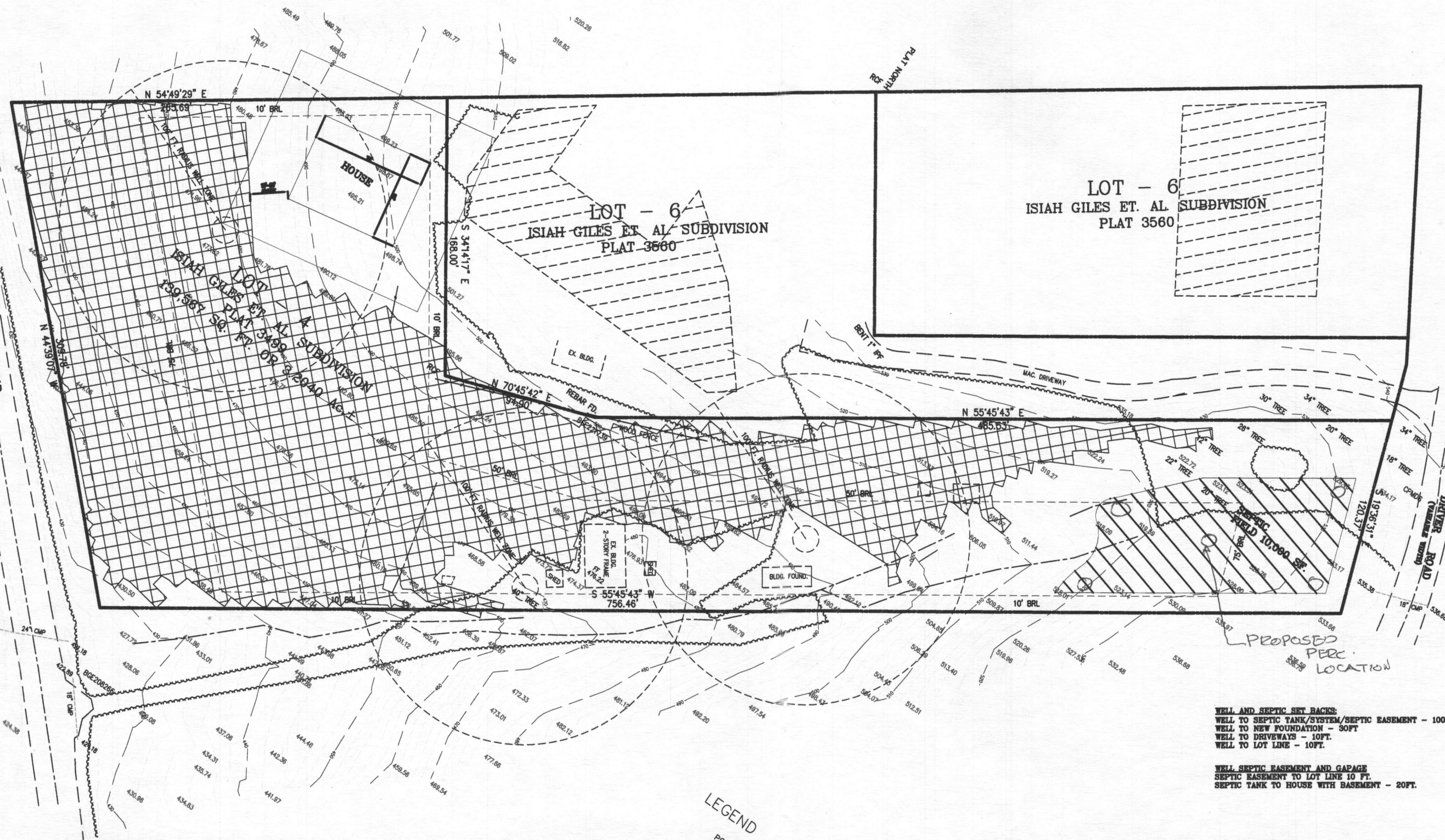
PLAN

Phase:

PRELIMINARY

DRAWING NO. X OF X

C-0

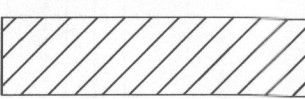


WELL AND SEPTIC SET BACKS:
 WELL TO SEPTIC TANK/SYSTEM/SEPTIC EASEMENT - 100FT.
 WELL TO NEW FOUNDATION - 30FT.
 WELL TO DRIVEWAYS - 10FT.
 WELL TO LOT LINE - 10FT.

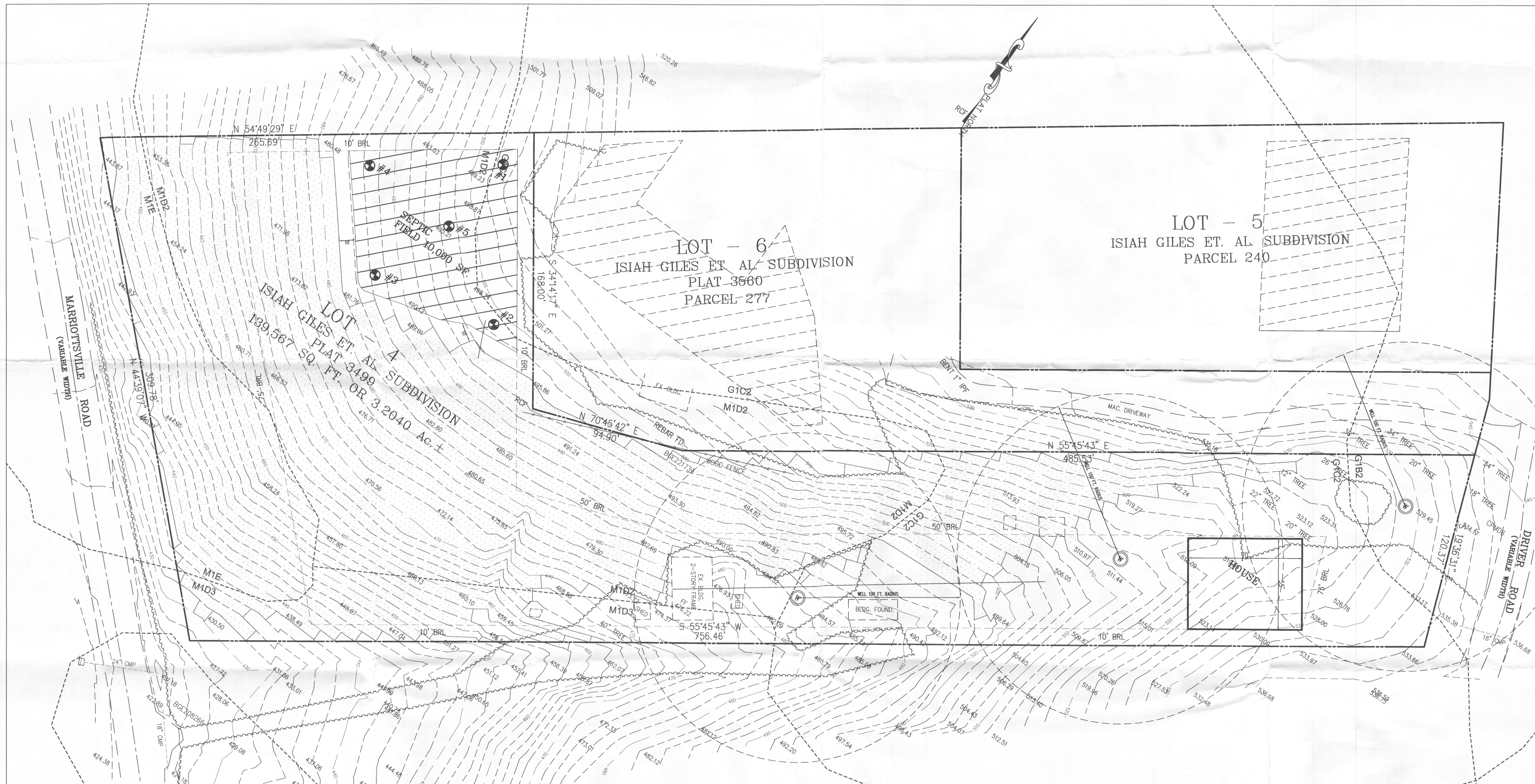
WELL, SEPTIC EASEMENT AND GAPAGE
 SEPTIC EASEMENT TO LOT LINE 10 FT.
 SEPTIC TANK TO HOUSE WITH BASEMENT - 20FT.






LEGEND

1. SITE ADDRESS: 1435 MARRIOTTSTVILLE ROAD--LOT 4, A527284
2. THE EXISTING ZONING IS RR-DEO
3. BOUNDARY LINES SHOWN HEREON ARE BASED ON BOUNDARY EVIDENCE AND DEED PLOTS PERFORMED BY NJR ASSOCIATES INC., APRIL 2007.
4. THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
5. AREA OF PROPOSED SEPTIC EASEMENT 10,110 SQUARE FEET.

6.  THIS AREA DESIGNATES A MINIMUM 10,000 SQUARE FOOT PRIVATE SEWAGE EASEMENT REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BE NULL AND VOID UPON CONNECTION TO A PUBLIC SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENT INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

7. TOPOGRAPHY SHOWN HEREON IS FIELD RUN AND VERIFIED BY ON APRIL 11, 2007.
8. TO THE BEST OF MY KNOWLEDGE AND BELIEF ALL SEPTIC SYSTEMS, WELLS AND SEWAGE DISPOSAL EASEMENTS WITHIN 100 FEET OF BOUNDARY LINES HAVE BEEN LOCATED.
9. Variance request submitted to Howard county, Bureau of Environmental Health to all placement of septic easement within 25' of 25% slopes.



- LEGEND:
-  PASSED
 -  FAILED
 -  HELD FOR REVIEW
 -  SLOPE >25%
 -  PROPOSED WELL

SURVEY BY : NJR & ASSOCIATES,LLC.
8015 DORSEY POND
MD 20794
(410) 799-9089

APPROVED FOR PRIVATE WATER & PRIVATE SEWAGE SYSTEM IN CONFORMANCE WITH THE MASTER PLAN OF HOWARD COUNTY

CERTIFY THAT THE INFORMATION 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.

HEALTH OFFICER _____ DATE _____

REVISIONS

PROPOSED
OSTEN RESIDENCE

TAX MAP: 10
TAX ACCT: 03-285804
PARCEL #277
DEED#: 2236/668
ELECTION DISTRICT: 3

OWNER'S CONTACT INFO
ROY D. OSTEN
1435 MARRIOTTSTVILLE ROAD,
MARRIOTTSTVILLE, MD 21044
PHONE: (301) 655-6709

ENGINEERS:
AST CONSULTANT INC.
8775 CLONLEAP CT.
SUITE #251
COLUMBIA, MD 21045
PH: (410) 456-2402
FAX: (301) 560-8848
E-mail: astconsultant@gmail.com

SURVEY BY:
NJR & ASSOCIATES,LLC.
8015 DORSEY POND
MD 20794
(410) 799-9089

DRAWN BY
CAD

CHECKED BY
AP

DATE
10/15/07

Scale: 1" = 30'

SHEET TITLE

PLAN

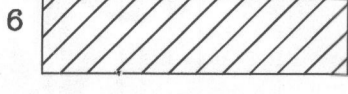
Phase:
PERCOLATION PLAT

DRAWING NO. 1 OF 1

C-1

? Filling Spring?

1. SITE ADDRESS: 1435 MARRIOTTVILLE ROAD-LOT 4, A527284
2. THE EXISTING ZONING IS RR-DEO
3. BOUNDARY LINES SHOWN HEREON ARE BASED ON BOUNDARY EVIDENCE AND DEED PLOTS PERFORMED BY NJR ASSOCIATES INC., APRIL 2007.
4. THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
5. AREA OF PROPOSED SEPTIC EASEMENT 10,173 SQUARE FEET.

6.  THIS AREA DESIGNATES A MINIMUM 10,000 SQUARE FOOT PRIVATE SEWAGE BASEMENT REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BE NULL AND VOID UPON CONNECTION TO A PUBLIC SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENT INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
7. TOPOGRAPHY SHOWN HEREON IS FIELD RUN AND VERIFIED BY ON DECEMBER 11, 2006
 8. TO THE BEST OF MY KNOWLEDGE AND BELIEF ALL SEPTIC SYSTEMS, WELLS AND SEWAGE DISPOSAL EASEMENTS WITHIN 100 FEET OF BOUNDARY LINES HAVE BEEN LOCATED

REVISIONS

PROPOSED

OSTEN RESIDENCE

TAX MAP: 10
TAX ACCT: 03-285804
PARCEL #277
DEED#: 2236/668
ELECTION DISTRICT: 3

OWNER'S CONTACT INFO
TROY D. OSTEN
1435 MARRIOTTVILLE ROAD
MD 21104
PHONE: (301) 633-6709

ENGINEERS:
AST CONSULTANT INC.
8775 CLODL EAP CT.
SUITE # 231
COLUMBIA, MD 21045
PH: (410) 456-2402
FAX: (301) 560-8848
E-mail: astconsultant@gmail.com

SURVEY BY:
NJR & ASSOCIATES, LLC.
8015 DORSEY POND
MD 20794
(410) 799-9089

DRAWN BY CAD
CHECKED BY AP
DATE 9/5/07

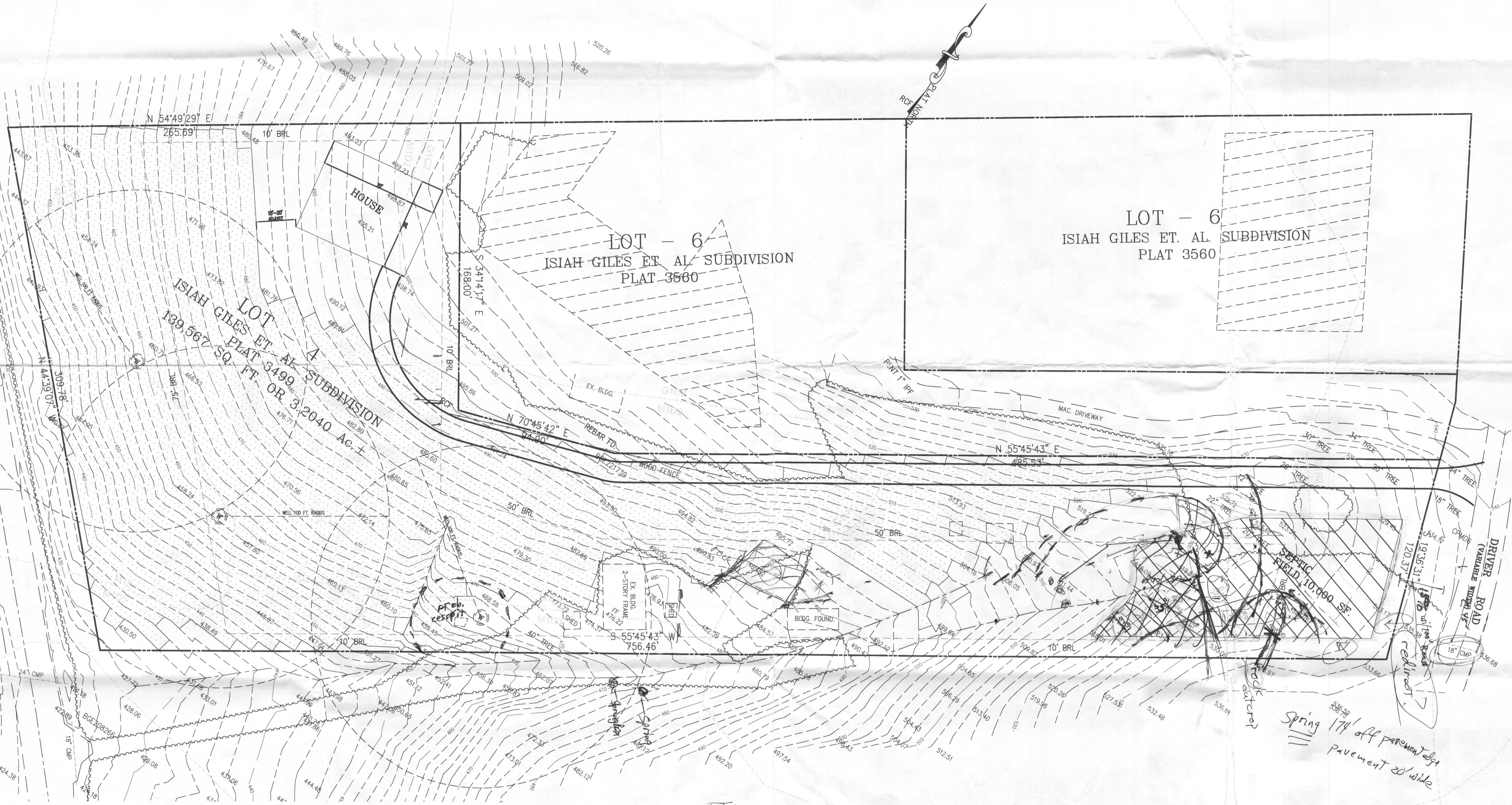
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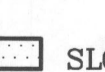

SHEET TITLE

PLAN

Phase:
PERCOLATION PLAT

DRAWING NO. 1 OF 1
C-1



- LEGEND:
-  PASSED
 -  FAILED
 -  HELD FOR REVIEW
 -  SLOPE >25%
 -  PROPOSED WELL

SURVEY BY : NJR & ASSOCIATES, LLC.
8015 DORSEY POND
MD 20794
(410) 799-9089

APPROVED FOR PRIVATE WATER & PRIVATE SEWAGE SYSTEM HEREON IS BASED ON FIELD WORK IN CONFORMANCE WITH THE MASTER PLAN OF HOWARD COUNTY

CERTIFY THAT THE INFORMATION 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.

HEALTH OFFICER _____ DATE _____

A "MDE SEWAGE EASEMENT FOR LOTS CREATED AFTER MARCH 01-01-1972"

THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA 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 THIS PRIVATE SEWAGE EASEMENT. RECORDATION OF A REVISED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

STREET ADDRESS : 1455 MARRIOTT'S VILL ROAD, MD 21104

LOT : 4

TAX MAP : 10

PARCEL : 277

OWNER : TROY D. OSTEN

ADDRESS : 2141 GRANT FARM COURT
MARRIOTTVILLE, MD 21104

PROPOSED LOT SIZE : 3.20 ACRES

DATE : JULY, 2007

ENGINEERS: AST CONSULTANT INC.

8775 CLOUDLEAP CT.
SUITE # 251
COLUMBIA, MD 21045
PH: (410) 456-2402
FAX: (301) 560-8848
E-mail: astconsultant@gmail.com

SURVEY BY: NJR & ASSOCIATES.LLC.

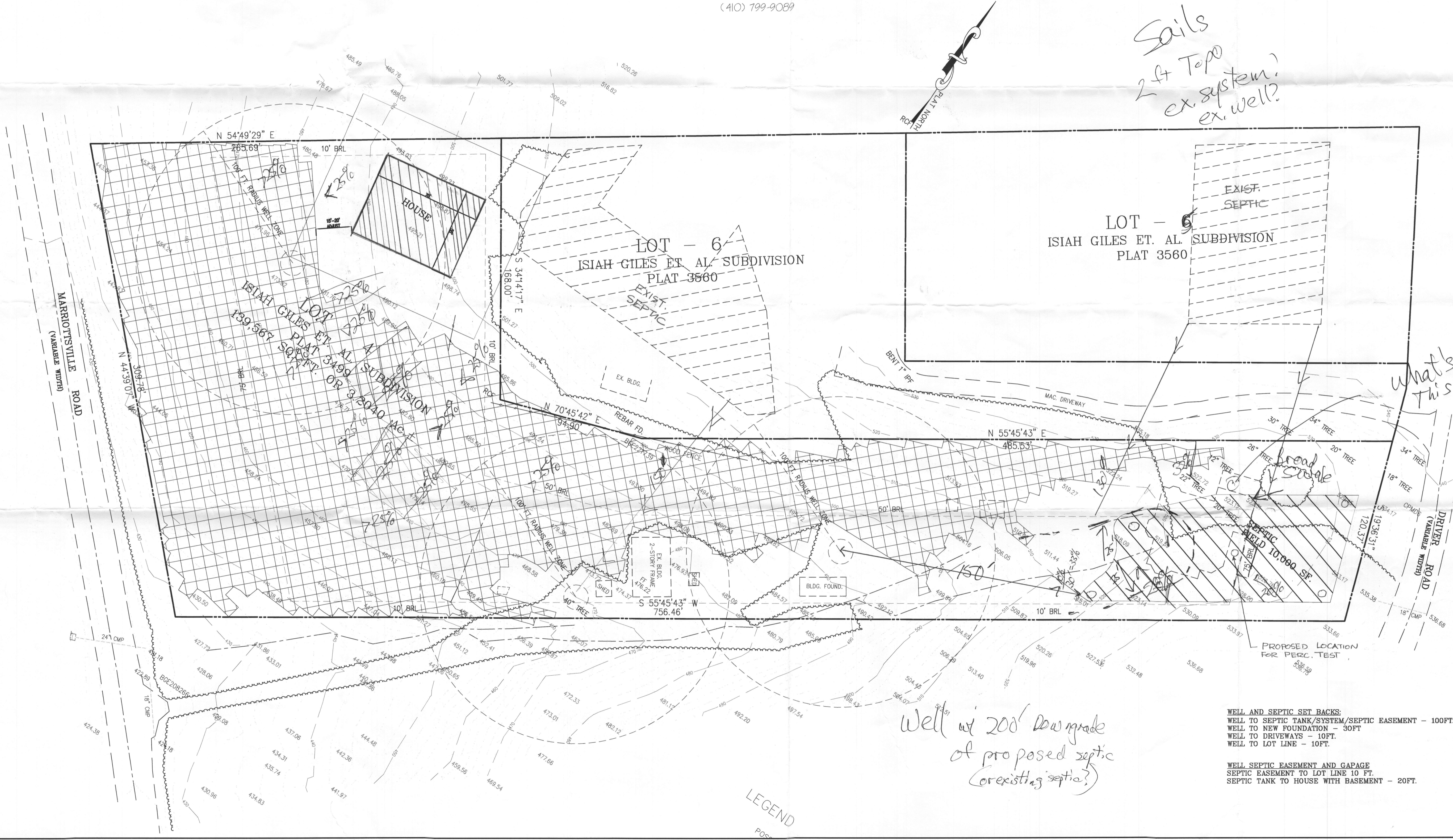
8015 DORSEY POND
MD 20794
(410) 799-9089

- LEGEND:
- PASSED
 - ⊗ FAILED
 - ⊕ HELD FOR REVIEW
 - ▨ SLOPE > 25%

650' Effluent Line
-40' Head

Sails
2ft Topo
ex. system?
ex. well?

what's this?



| REVISIONS |
|-----------|
| |
| |
| |

PROPOSED
SINGLE
FAMILY
HOUSE

ADC GRID: 6R/D10
TAX MAP: 10
TAX ACCT: XX-XXXXXXXXX
PARCEL #277
DEED#: XXXXX/XXX
ELECTION DISTRICT: XX

OWNER'S CONTACT INFO
1455
MARRIOTT'S VILL ROAD,
MD 21104
PHONE: _____

- LEGEND:
- PASSED
 - ⊗ FAILED
 - ⊕ HELD FOR REVIEW
 - ▨ SLOPE > 25%

ENGINEERS:
AST CONSULTANT INC.
8775 CLOUDLEAP CT.
SUITE # 251
COLUMBIA, MD 21045
PH: (410) 456-2402
FAX: (301) 560-8848
E-mail: astconsultant@gmail.com

SURVEY BY:
NJR & ASSOCIATES.LLC.
8015 DORSEY POND
MD 20794
(410) 799-9089

DRAWN BY ASP.

CHECKED BY _____

DATE
08 / 02 / 07

Scale : 1" = 30'

SHEET TITLE

PLAN

Phase :
PRELIMINARY

DRAWING NO. X OF X
C-0


WELL AND SEPTIC SET BACKS:
WELL TO SEPTIC TANK/SYSTEM/SEPTIC EASEMENT - 100FT.
WELL TO NEW FOUNDATION - 30FT
WELL TO DRIVEWAYS - 10FT.
WELL TO LOT LINE - 10FT.

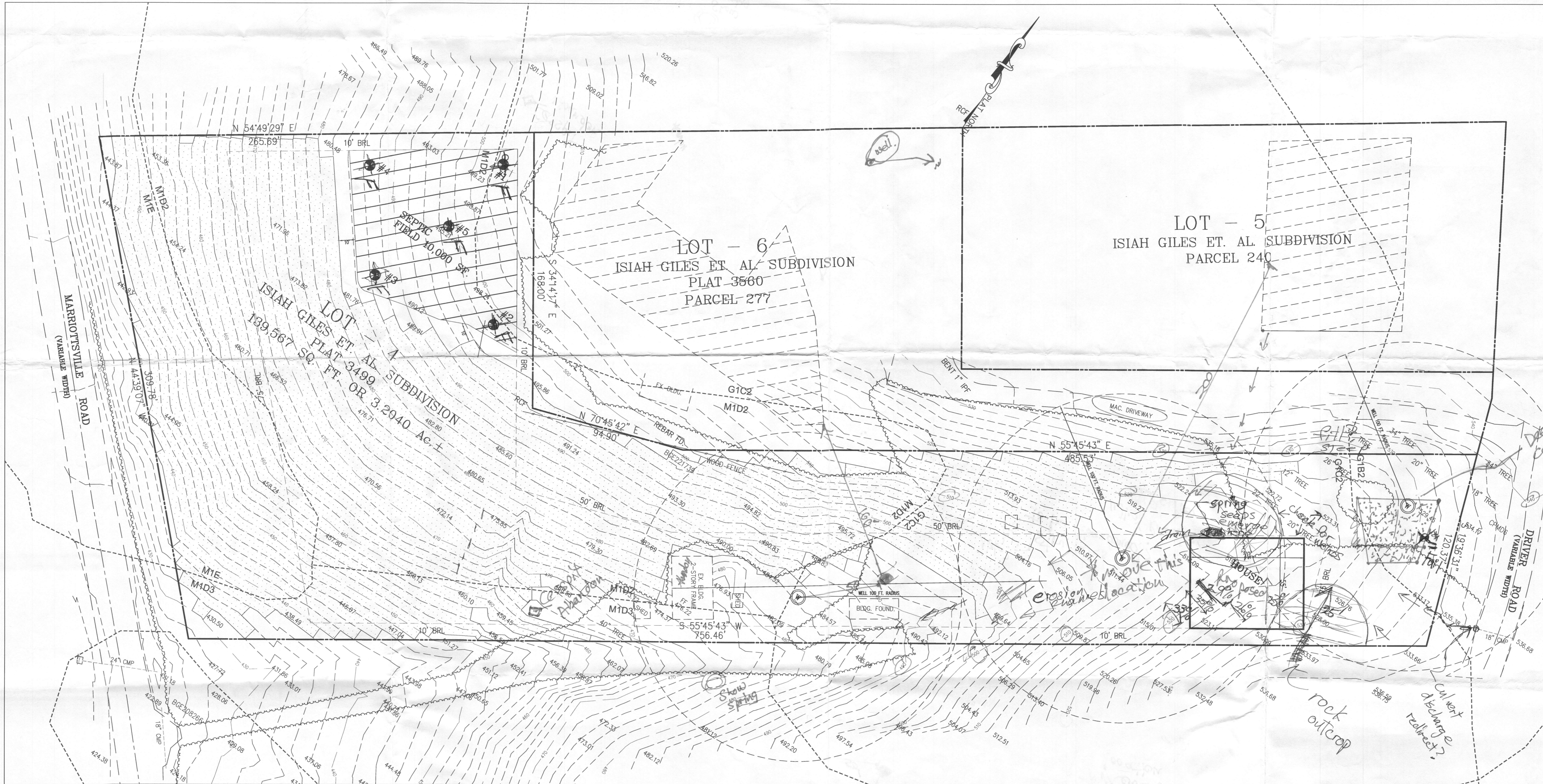
WELL SEPTIC EASEMENT AND GAPAGE
SEPTIC EASEMENT TO LOT LINE 10 FT.
SEPTIC TANK TO HOUSE WITH BASEMENT - 20FT.






Well at 200' Downgrade
of proposed septic
(existing septic)

LEGEND
POS

1. SITE ADDRESS: 1435 MARRIOTTSTVILLE ROAD-LOT 4, A527284
2. THE EXISTING ZONING IS RR-DEO
3. BOUNDARY LINES SHOWN HEREON ARE BASED ON BOUNDARY EVIDENCE AND DEED PLOTS PERFORMED BY NJR ASSOCIATES INC., APRIL 2007.
4. 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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7. TOPOGRAPHY SHOWN HEREON IS FILD RUN AND VERIFIED BY ON APRIL 11, 2007.
8. TO THE BEST OF MY KNOWLEDGE AND BELIEF ALL SEPTIC SYSTEMS, WELLS AND SEWAGE DISPOSAL EASEMENTS WITHIN 100 FEET OF BOUNDARY LINES HAVE BEEN LOCATED.
9. Variance request submitted to Howard country, Bureau of Enviromental Health to all placement of septic easement within 25' of 25% slopes.



- LEGEND:
-  PASSED
 -  FAILED
 -  HELD FOR REVIEW
 -  SLOPE >25%
 -  PROPOSED WELL

SURVEY BY : NJR & ASSOCIATES.LLC.
8015 DORSEY POND
MD 20794
(410) 799-9089

Note? All structures to be abandoned? what remains? Labels Please

APPROVED FOR PRIVATE WATER & PRIVATE SEWAGE SYSTEM IN CONFORMANCE WITH THE MASTER PLAN OF HOWARD COUNTY

CERTIFY THAT THE INFORMATION 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.

HEALTH OFFICER _____ DATE _____

REVISIONS

PROPOSED
OSTEN RESIDENCE

TAX MAP: 10
TAX ACCT: 03-285804
PARCEL #277
DEED#: 2236/668
ELECTION DISTRICT: 3

OWNER'S CONTACT INFO
TROY D. OSTEN
1435 MARRIOTTSTVILLE ROAD,
MARRIOTTSTVILLE, MD 2104
PHONE: (301) 655-6709

ENGINEERS:
AST CONSULTANT INC.
8775 CLONLEAP CT.
SUITE #251
COLUMBIA MD 21045
PH: (410) 456-2402
FAX: (301) 560-8848
E-mail: astconsultant@gmail.com

SURVEY BY:
NJR & ASSOCIATES.LLC.
8015 DORSEY POND
MD 20794
(410) 799-9089

DRAWN BY CAD

CHECKED BY AP

DATE 10/15/07

Scale: 1"=30'

SHEET TITLE

PLAN

Phase:
PERCOLATION PLAT

DRAWING NO. 1 OF 1
C-1