



ORIGINAL NOTES (FR) 1/21/04  
**APPLICATION**

**FOR PERCOLATION TESTING AND SITE EVALUATION**

EST DATE(S) \_\_\_\_\_ TEST TIME \_\_\_\_\_ A# 519617

AGENCY REVIEW: \_\_\_\_\_ DATE 10/14/03

DO NOT WRITE ABOVE THIS LINE

HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S) TO:

- |  |  |
|--|--|
| CHECK AS NEEDED:   | CHECK AS NEEDED:   |
| <input checked="" type="checkbox"/> CONSTRUCT NEW SEPTIC SYSTEM(S) | <input checked="" type="checkbox"/> NEW STRUCTURE(S)       |
| <input type="checkbox"/> REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM   | <input type="checkbox"/> ADDITION TO AN EXISTING STRUCTURE |
| <input type="checkbox"/> REPLACE AN EXISTING SEPTIC SYSTEM         | <input type="checkbox"/> REPLACE AN EXISTING STRUCTURE     |

- |  |  |
|--|--|
| CHECK ONE:   | IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR? |
| <input checked="" type="checkbox"/> CREATE NEW LOT(S)              | <input type="checkbox"/> YES                   |
| <input type="checkbox"/> BUILD ON AN EXISTING LOT IN A SUBDIVISION | <input checked="" type="checkbox"/> NO         |
| <input type="checkbox"/> BUILD ON AN EXISTING PARCEL OF RECORD     |  |

THE TYPE OF STRUCTURE IS:

RESIDENTIAL WITH UNKNOWN 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) MR. THEODORE L. MARIANI

DAYTIME PHONE (202) 824-0141 CELL \_\_\_\_\_ FAX \_\_\_\_\_

MAILING ADDRESS #16449 ED WARFIELD ROAD WOODBINE MD. 21797-7805  
STREET CITY/TOWN STATE ZIP

APPLICANT MARK L. ROBEL  
% FISHER, COLLINS & CARTER, INC.

DAYTIME PHONE (410) 961-2855 CELL \_\_\_\_\_ FAX (410) 750-3784

MAILING ADDRESS CENTENNIAL SQUARE OFFICE PARK ELLCOTT CITY MD. 21042  
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION "THE MARIANI PROPERTY"  
SUBDIVISION/PROPERTY NAME (3,200' E WEST OF PHEASANT RIDGE COURT) LOT NO. 4

PROPERTY ADDRESS #16449 ED WARFIELD ROAD WOODBINE  
STREET TOWN/POST OFFICE

SECTION MAP PAGE(S) 13 GRID 23 PARCEL(S) 277 PROPOSED LOT SIZE 1 ACRE ±

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

TEST RESULTS WILL BE MAILED TO APPLICANT. Mark L. Robel  
SIGNATURE OF APPLICANT

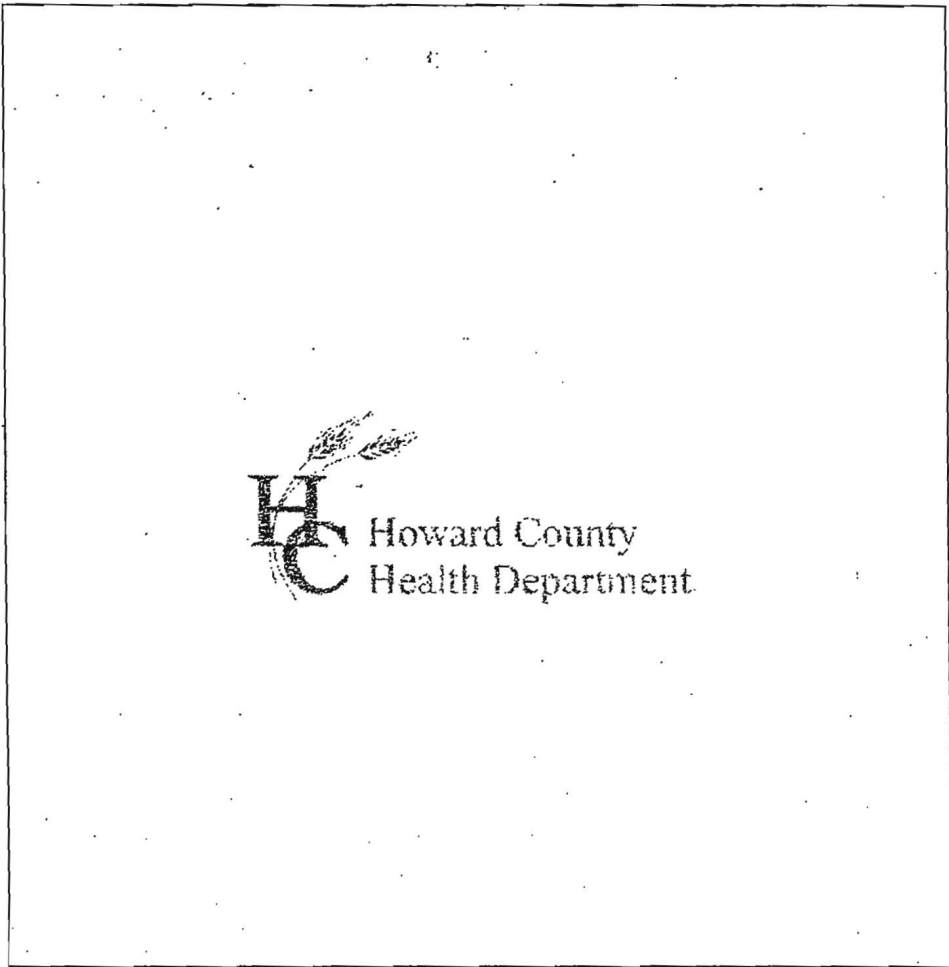
HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM  
3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MARYLAND 21043-4544 (410) 313-1771 FAX (410) 313-2648  
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

A/P \_\_\_\_\_

Empty rectangular box for notes or identification.

Empty rectangular box for notes or identification.

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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 SW \_\_\_\_\_

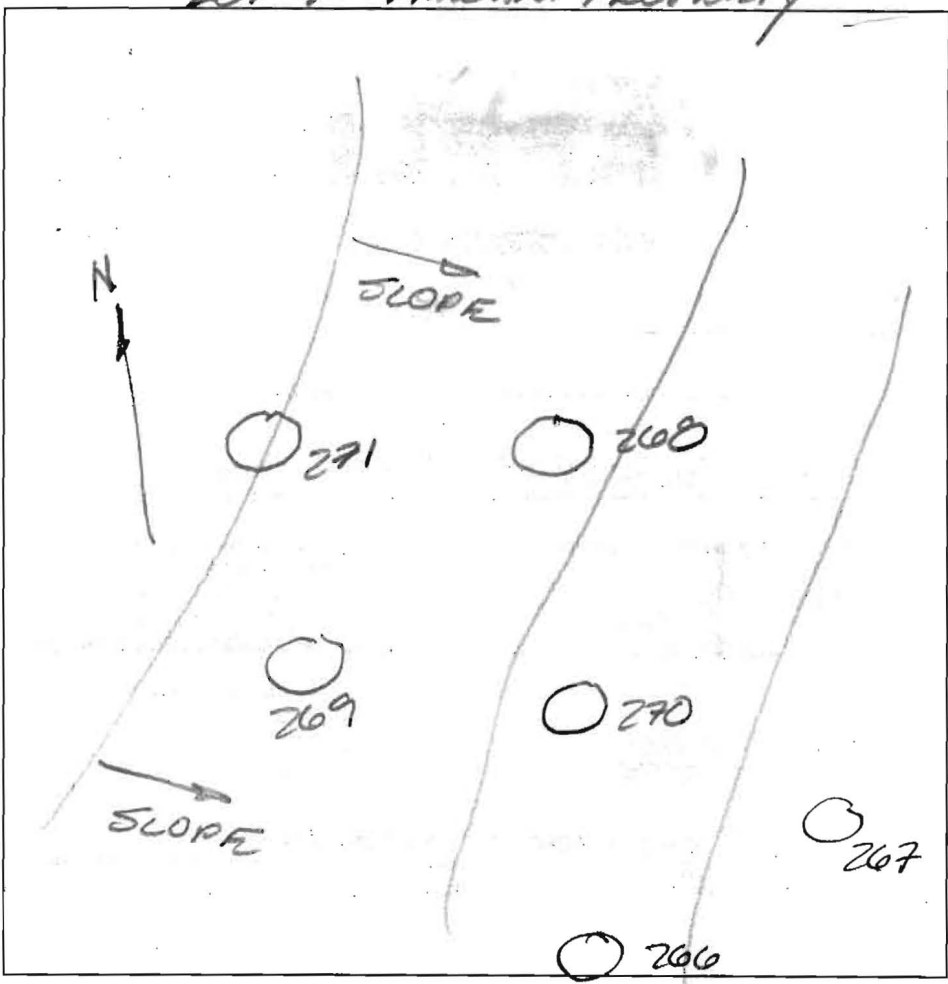
LOT 4- MARIANI PROPERTY

A/P

267  
Brown Loam 8"  
Red Clay loam 3 1/2'  
Red Siloam 9'  
Siloam  
Yellow Brown Siloam  
Cherty mica schist 13'

266  
Brown Loam 1'  
Yellow Brown Clay loam 2'  
Red Siloam  
Siloam  
Cherty mica schist 12'

269  
Brown Loam 1'  
Yellow Brown Clay loam 3'  
Red Siloam 5'  
Yellow Brown Siloam  
Siloam  
Cherty mica schist 13'



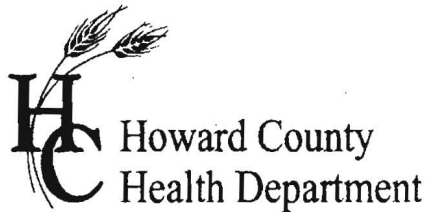
268  
Brown Loam 8"  
Red Brown Yellow Brown Clay loam 2'  
Red Siloam (Gumbo) 9'  
Red Siloam  
Cherty mica schist 13'

270  
Brown Loam 8"  
Yellow Brown Clay loam 6 1/2'  
Red Siloam  
Siloam  
Cherty mica schist 12 1/2'

271  
Brown Loam 5"  
Yellow Brown Clay loam 4 1/2'  
Red Siloam  
Siloam  
Cherty mica schist 13'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
1/21/04	267	5' / 13'	9 <sup>28</sup>	9 <sup>33</sup>	9 <sup>42</sup>	11min	P
	266	5' / 12'	9 <sup>47</sup>	9 <sup>52</sup>	10 <sup>00</sup>	8min	P
	270	6 1/2' / 12 1/2'	10 <sup>36</sup>	10 <sup>42</sup>	10 <sup>50</sup>	8min	P
	270	6' / 12 1/2'	10 <sup>05</sup>	10 stopped	10 not moving		
	269	5' / 13'	10 <sup>16</sup>	10 <sup>20</sup>	10 <sup>26</sup>	6min	P
	268	6' / 13'	10 <sup>18</sup>	10 <sup>24</sup>	10 <sup>34</sup>	10min	P
	271	5' / 13'	10 <sup>54</sup>	10 <sup>58</sup>	11 <sup>08</sup>	10min	P

REMARKS: Owen Jr, Owen Vetterman, RICK REBEL  
 SANITARIAN: FA BACKHOE: OTHERS:  
 TEST HOLES USED IN SDA: AVG. PERC TIME: SQ. FT/BR:  
 TRENCH WIDTH: INLET DEPTH: MAX. BOT DEPTH: EFFECTIVE SW:



# APPLICATION

## FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) \_\_\_\_\_ TEST TIME \_\_\_\_\_ A/P \_\_\_\_\_

AGENCY REVIEW: \_\_\_\_\_ DATE \_\_\_\_\_

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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) \_\_\_\_\_

DAYTIME PHONE \_\_\_\_\_ CELL \_\_\_\_\_ FAX \_\_\_\_\_

MAILING ADDRESS \_\_\_\_\_  
STREET CITY/TOWN STATE ZIP

APPLICANT \_\_\_\_\_

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 \_\_\_\_\_ LOT NO. 4

PROPERTY ADDRESS \_\_\_\_\_  
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) \_\_\_\_\_ 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.

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SIGNATURE OF APPLICANT

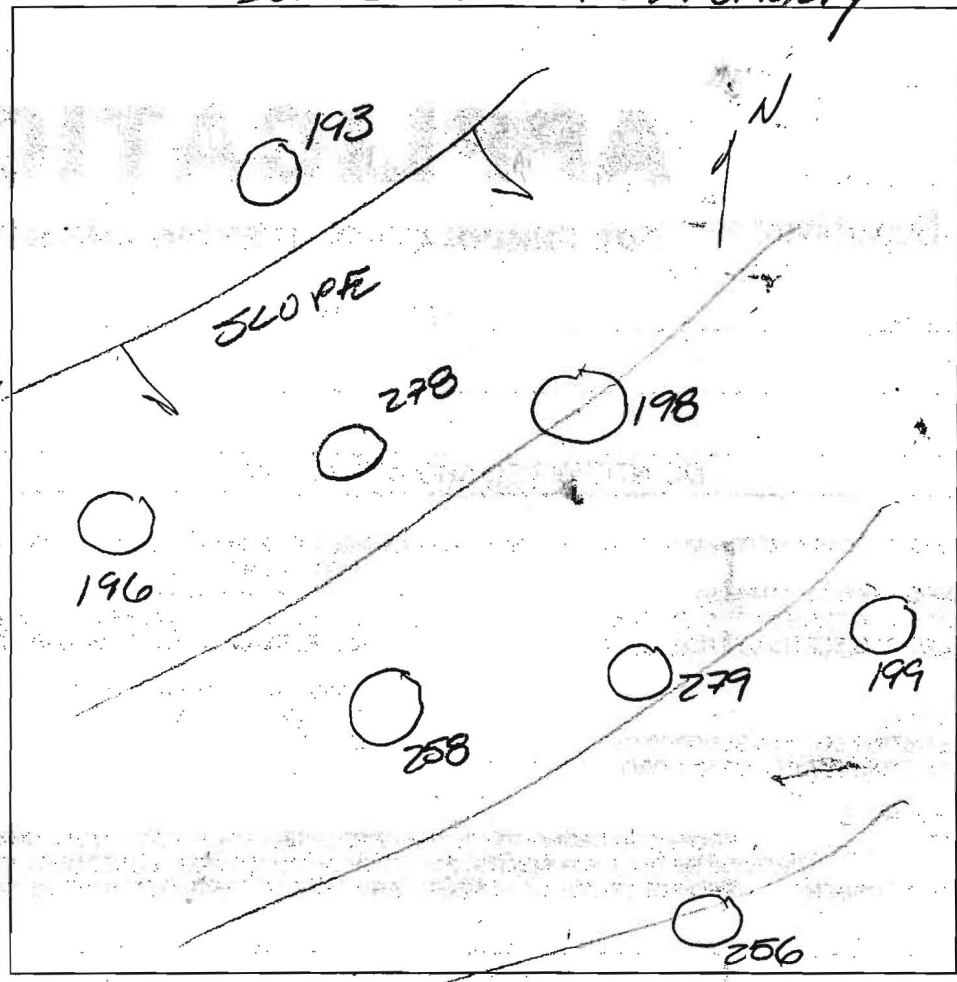
HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM  
3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MARYLAND 21043-4544 (410) 313-1771 FAX (410) 313-2648  
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

LOT 2 - MARIANI PROPERTY

JP 256  
 Brown Loam 8"  
 Brown Silty Clay Loam 2'  
 Yellow Brown Silty Clay Loam 7 1/2"  
 Red - Red Brown Silty Loam 15 to 20' to Schist rock 13'

199  
 Brown Loam 8"  
 Brown Silty Clay Loam 2'  
 Yellow Brown Silty Clay Loam 7 1/2"  
 Red Silty Loam 15 to 20' rock

198  
 Brown Loam 8"  
 Brown Silty Clay Loam 4 1/2"  
 Red Silty Loam 15 to 20' rock  
 Yellow Brown Silty Loam



255  
 Brown Loam 1'  
 Yellow Brown Silty Clay Loam 5'  
 Yellow Brown Silty Loam  
 Red Silty Loam 13 1/2'

196  
 Brown Loam 8"  
 Yellow Clay Loam 3 1/2"  
 Yellow Brown Silty Loam  
 Red Silty Loam 13'

278  
 Brown Loam 8"  
 Yellow Clay Loam 4'  
 Red Silty Loam 5-15' to 20' Schist rock 13'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
1/21/04	256	8 1/2'	1 44	1 58	2 17	19 min	
	199	NOT TESTED	CLAY LAYER TOO DEEP FOR TRENCHES				
	198	4 1/2'	2 10	2 24	2 45	21 min	P
	258	5 1/2'	2 24	2 30	2 38	8 min	P
	196	4 1/2'	2 28	2 45	3 03	18 min	P
	193	4 1/2'	2 57	3 06	3 17	11 min	P
	278	5'	2 55	3 03	3 10	7 min	P
1/21/04	279	NOT DUG	DUG BY Olin Ketterman on 1/22/04 - DEEP CLAY				
		NOT TESTED					

REMARKS \_\_\_\_\_  
 SANITARIAN FA BACKHOE Olin J OTHERS \_\_\_\_\_  
 TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_  
 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_



ORIGINAL NOTES (A) 1/21/04

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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 UNKNOWN PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE UNKNOWN IF APPROPRIATE)
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PROPERTY OWNER(S) MR. THEODORE L. MARIANI

DAYTIME PHONE: (202) 824-8141 CELL \_\_\_\_\_ FAX \_\_\_\_\_

MAILING ADDRESS #16449 ED WARFIELD ROAD WOODBINE MD. 21797-7805  
STREET CITY/TOWN STATE ZIP

APPLICANT MARK L. ROBEL  
% FISHER, COLLINS & CARTER, INC.

DAYTIME PHONE (410) 461-2855 CELL \_\_\_\_\_ FAX (410) 750-3784

MAILING ADDRESS 10272 BALTIMORE NATIONAL PINE ELLCOTT CITY MD. 21042  
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION "THE MARIANI PROPERTY"  
SUBDIVISION/PROPERTY NAME (3,200'± WEST OF PHEASANT RIDGE COURT) LOT NO. 3

PROPERTY ADDRESS #16449 ED WARFIELD ROAD WOODBINE  
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 13 GRID 23 PARCEL(S) 277 PROPOSED LOT SIZE 1 ACRE ±

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.

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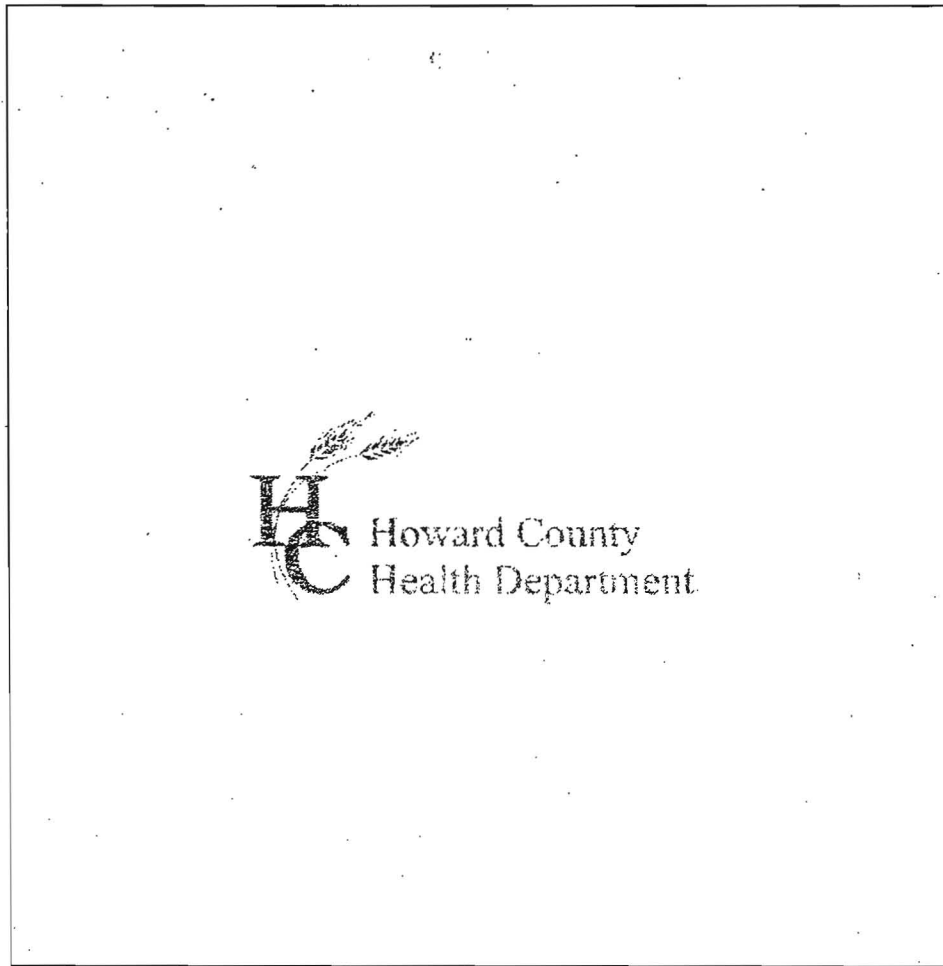
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TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

A/P \_\_\_\_\_

Empty rectangular box for notes or data.

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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 \_\_\_\_\_

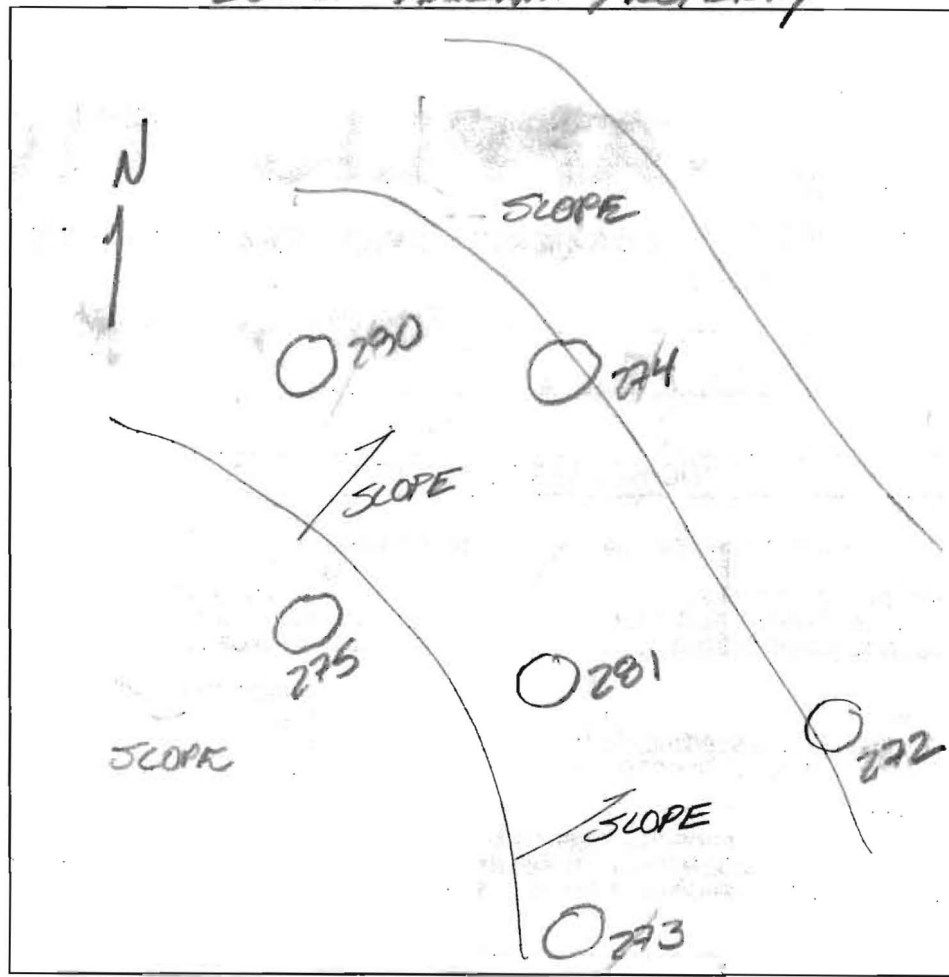
TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_

LOT 3 - MARIANI PROPERTY

A/P 772  
 Brown loam 8"  
 Red/Yellow Clay loam 3 1/2"  
 Red Sil loam  
 Sil loam  
 HARD BOTTOM 10'

273  
 Brown loam 2'  
 Red/Brown Clay loam 3'  
 Brown/tan Yellow Sil loam  
 10-15% channog mica schist  
 HARD BOTTOM 11'

281  
 Brown loam 1'  
 Tan/Yellow/Red Si Cl loam 2'  
 Yellow/Brown Sil loam  
 10-15% mica schist  
 channog



275  
 Brown/Red Si loam 2 1/2'  
 Red/tan Brown Sil loam  
 10% channog mica schist

274  
 Brown loam 1'  
 Red/Brown Sil loam 6'  
 Brown/Red tan Sil loam  
 5% channog mica schist

280  
 Brown/tan Si Cl loam 2'  
 Red/brown Sil loam 3 1/2'  
 tan/Brown Sil loam  
 10-15% channog mica schist

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
4/21/04	272	4' / 10'	10:57	11:00	11:03	3min	P
	273	3 1/2' / 11'	11:15	11:20	11:27	7min	P
	281	5' / 11'	11:40	11:47	12:00	13min	P
	275	4 1/2' / 12'	12:56	1:01	1:10	9min	P
	274	4 1/2' / 12'	12:55	1:02	1:13	11min	P
	280	4 1/2' / 13 1/2'	1:11	1:16	1:22	6min	P

REMARKS \_\_\_\_\_  
 SANITARIAN FA/KB BACKHOE Open Kettner OTHERS Mark Pabel  
 TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_  
 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_

(2-2)



# APPLICATION

## FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) \_\_\_\_\_ TEST TIME \_\_\_\_\_ A/P \_\_\_\_\_

AGENCY REVIEW: \_\_\_\_\_ DATE \_\_\_\_\_

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CHECK AS NEEDED:

- NEW STRUCTURE(S)
- ADDITION TO AN EXISTING STRUCTURE
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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) \_\_\_\_\_

DAYTIME PHONE \_\_\_\_\_ CELL \_\_\_\_\_ FAX \_\_\_\_\_

MAILING ADDRESS \_\_\_\_\_  
STREET CITY/TOWN STATE ZIP

APPLICANT \_\_\_\_\_

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 \_\_\_\_\_ LOT NO. 3

PROPERTY ADDRESS \_\_\_\_\_  
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) \_\_\_\_\_ GRID \_\_\_\_\_ PARCEL(S) \_\_\_\_\_ PROPOSED LOT SIZE \_\_\_\_\_

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LOT 3 - MARIANI PROPERTY

A/P  
276

Brown loam 1'

Brown/Red Clay loam 2'

Red/orange Si Cl loam 3'

taw/orange yellow Si loam 14'

5-10% mica schist

277

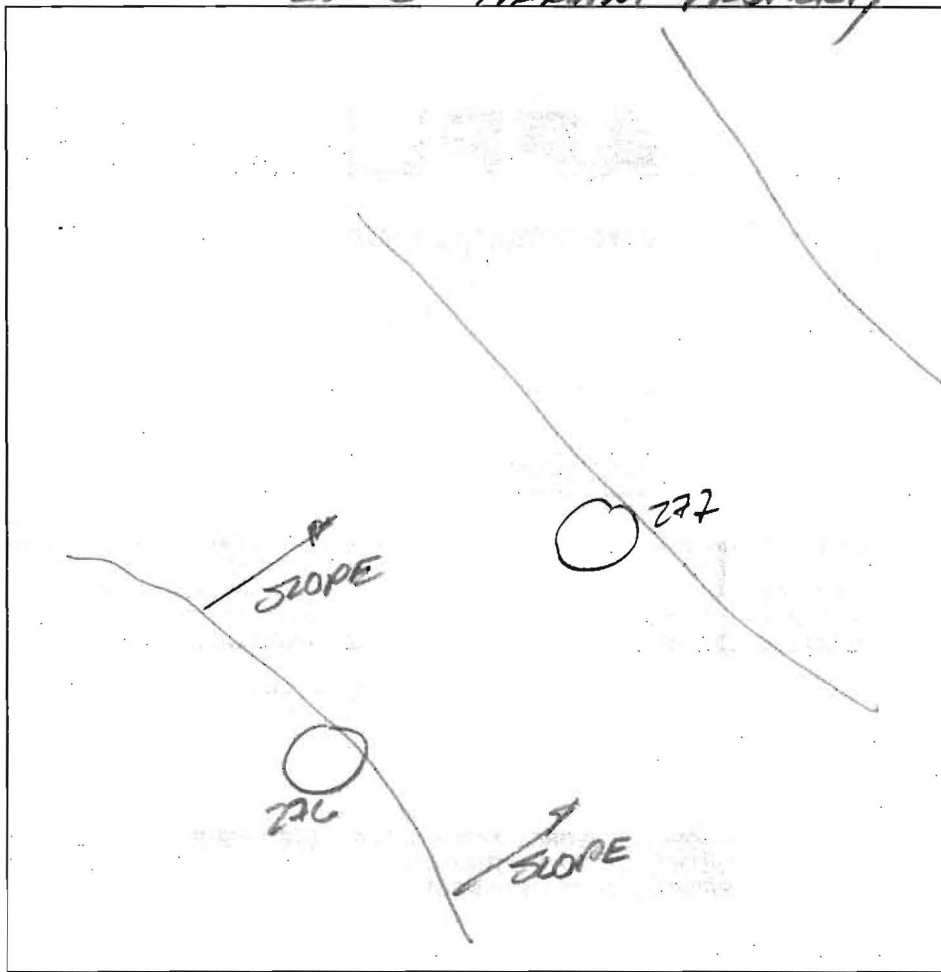
Brown/black loam 1'

Brown/orange tan Clay loam 3'

Red/Brown orange/tan Si loam 13'

5% generally mica schist

water



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
1/21/04	276	4 1/2' / 14'		1:26	1:33	7 min	P
	277	7 1/2' / 13'	1:25	1:32	1:43	11 min	P

REMARKS \_\_\_\_\_

SANITARIAN FA/RB BACKHOE Olin Jr. OTHERS Olin Ketterman

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

TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_

(1-2)



# APPLICATION

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- CONSTRUCT NEW SEPTIC SYSTEM(S)
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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)
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PROPERTY OWNER(S) \_\_\_\_\_

DAYTIME PHONE \_\_\_\_\_ CELL \_\_\_\_\_ FAX \_\_\_\_\_

MAILING ADDRESS \_\_\_\_\_  
STREET \_\_\_\_\_ CITY/TOWN \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

APPLICANT \_\_\_\_\_

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 \_\_\_\_\_ LOT NO. 3

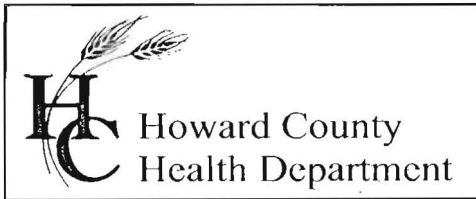
PROPERTY ADDRESS \_\_\_\_\_  
STREET \_\_\_\_\_ TOWN/POST OFFICE \_\_\_\_\_

TAX MAP PAGE(S) \_\_\_\_\_ 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  
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



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

January 30, 2004

Fisher, Collins & Carter, Inc.  
Centennial Square Office Park  
10272 Baltimore National Pike  
Ellicott City, MD 21042

**REF: January 21 & January 23  
Percolation Testing @  
Mariani Property Map  
Map 13, Parcel 277**

**ATTN Mark L. Robel**

Dear Mr. Robel:

With the exception of excavations 199, 256 and 279 for the proposed lot 2 on the submitted percolation application plan (December 23, 2003 revision), all holes had suitable soils with percolation rates within the acceptable range when tested on the above referenced dates. K & K Contractors notified our office that excavation 279 on January 22, 2004 was the same as 256 and 199 and also had deep clay. Deep clay to 8 ½ feet for 256, and 7 ½ feet for 199, would preclude installation of trenches in that area for safety reasons by the contractors.

K & K Contractors made additional excavations 300, 301 and 302 on January 23, 2004 approximately 73 feet and 45 degrees S-SW, 80 feet and 30 degrees S, and 99 feet S-SW from excavation 258 respectively to replace septic easement area to proposed lot 2. All three of the above excavations not on the above plan had successful percolation rates.

Please provide a revised percolation certification plan for review showing the additional excavations with all appropriate notations.

Please call me at (410)-313-2669 if you have any questions.

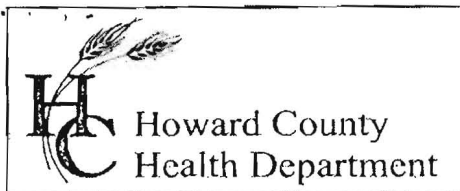
Sincerely,



Frank Alfonso, RS

FA/fa

Enclosure: Percolation Notes for Mariani Property (Tax Map 13, Parcel 277)



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](http://www.hchealth.org)

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

April 26, 2004

Mr. Theodore Mariani  
16449 Ed Warfield Road  
Woodbine, MD 21797

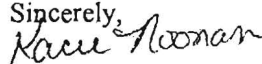
Re: Percolation Testing Support Building Permit  
Building Permit # B00147070  
16449 Ed Warfield Road

Dear Mr. Mariani:

Percolation testing was done April 23, 2004, identifying septic repair area. Soils located deep clay near the swale south of the existing septic tank, and shallower clay depths higher on southeast topography. Water was identified in the bottom of percolation test holes around 11 ½ to 14 feet. Currently, the existing septic tank appears to be functioning while supporting four people living on the residence. Visual inspection of the existing concrete septic tank indicates a shallow inlet, maybe at three feet, with no evidence of overflow.

According to our discussion, a septic contractor will be pumping out your septic tank as done approximately three years ago. For our records, please send a letter or bill from the contractor stating how much volume was pumped out of the tank; this will help us identify the actual holding capacity of the septic tank. Also, included for your convenience is a copy of the field notes.

The above mentioned building permit will be signed, as included with this letter. When your building's plumbing is connected to the main house, please contact our office so we may document measurements of the location of the connection. Thank you for your time in this important matter. You may contact our office at 410-313-1771.

Sincerely,  
  
Kacie Noonan, R.S.  
Well and Septic

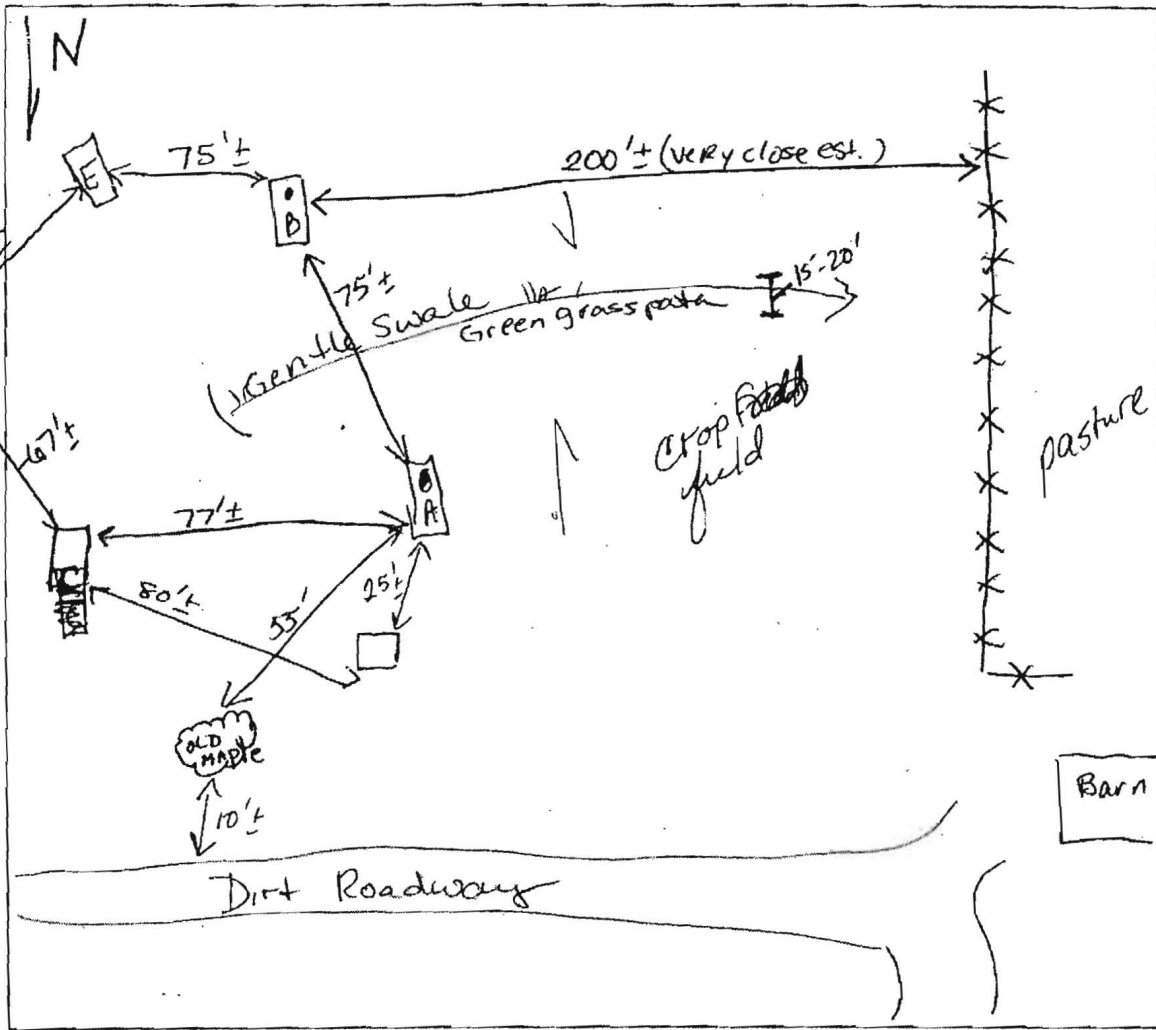
KN

Cc: DILP  
file

SITE INSPECTION SHEET

OWNER: Mariani PHONE #: \_\_\_\_\_  
ADDRESS: 16449 Ed Warfield Rd CONTRACTOR: \_\_\_\_\_  
Woodbine WELL TAG #: \_\_\_\_\_  
SUBDIVISION: N/A LOT: \_\_\_\_\_ COUNTY #: \_\_\_\_\_  
PROPOSAL: IDENTIFY 10<sup>th</sup> of repair area.

LOCATION DIAGRAM



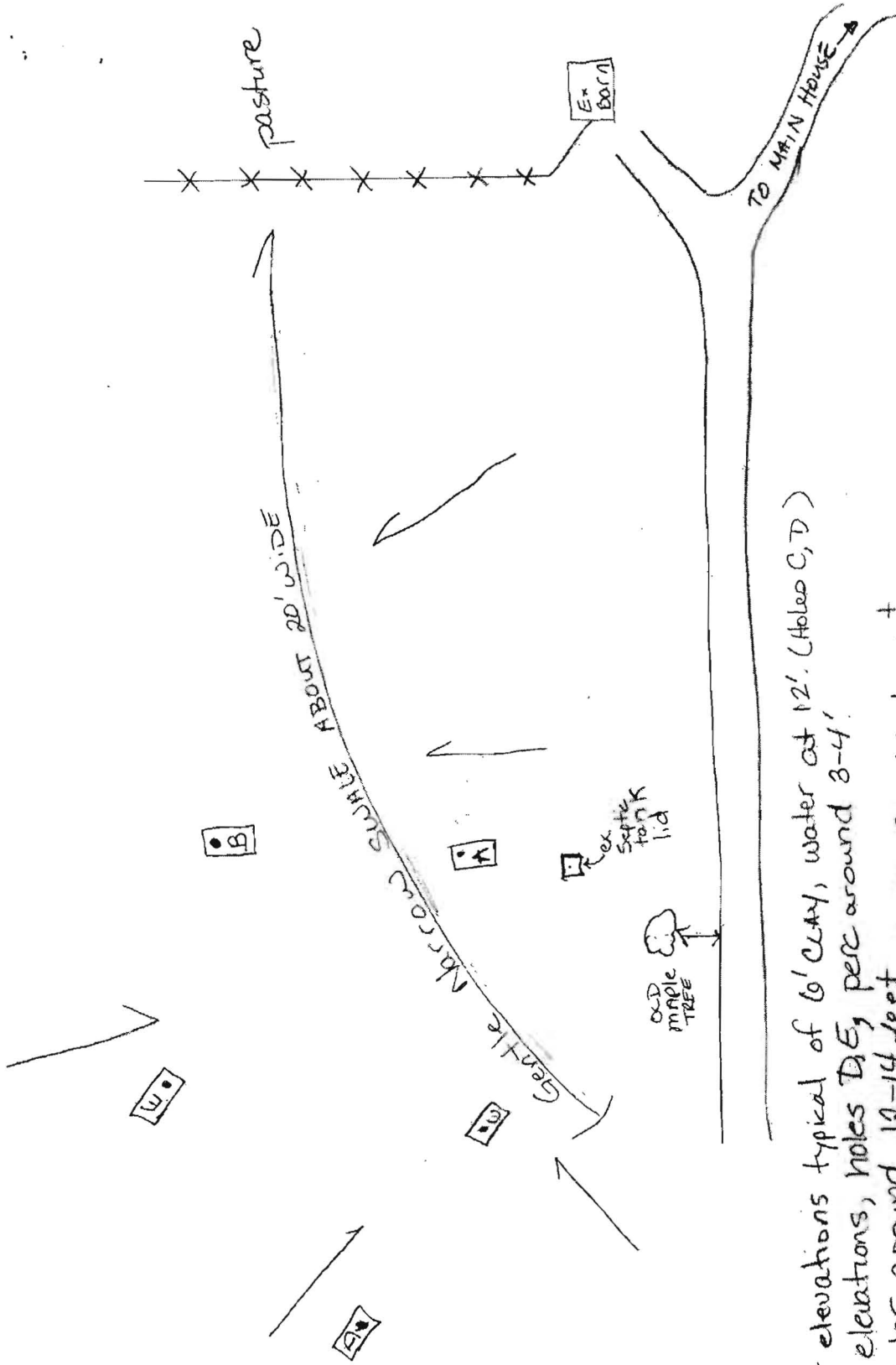
COMMENTS: 4/23/04 Soil descrip. on other pages. Stay SE of Swale for permeable soils at shallower depth. (for future repairs). Existing system appears to be functioning.

DATE: 4/23/04 INSPECTOR: Racine N

1 of 3

North

Kroll Road



4/23/04

Notes: - Lower elevations typical of 6' clay, water at 12'. (Holes C, D)

- Higher elevations, holes D, E, perc around 3-4' with water around 12-14 feet

- Hole A - no water in bottom @ 14' after 1 1/2 hours +

- Future repair area best near perc holes D, E, & B. - INLET AT 3, bottom at 5.

- 4' Treatment buffer identified.

Mariani Property / Historical Home of Ed Warfield

16449 Ed Warfield Road, Woodbine

Rate  $\bar{x}$  = 20 Min

1" : 50' scale

**PERC CERTIFICATION**  
 I certify that the locations shown hereon are based on field locations done under my direct supervision and are correct to the best of my professional knowledge and belief.

*Mark L. Robel*  
 Signature of Professional Land Surveyor  
 Mark L. Robel, Property Line Surveyor No. 339

5/20/04  
 Date

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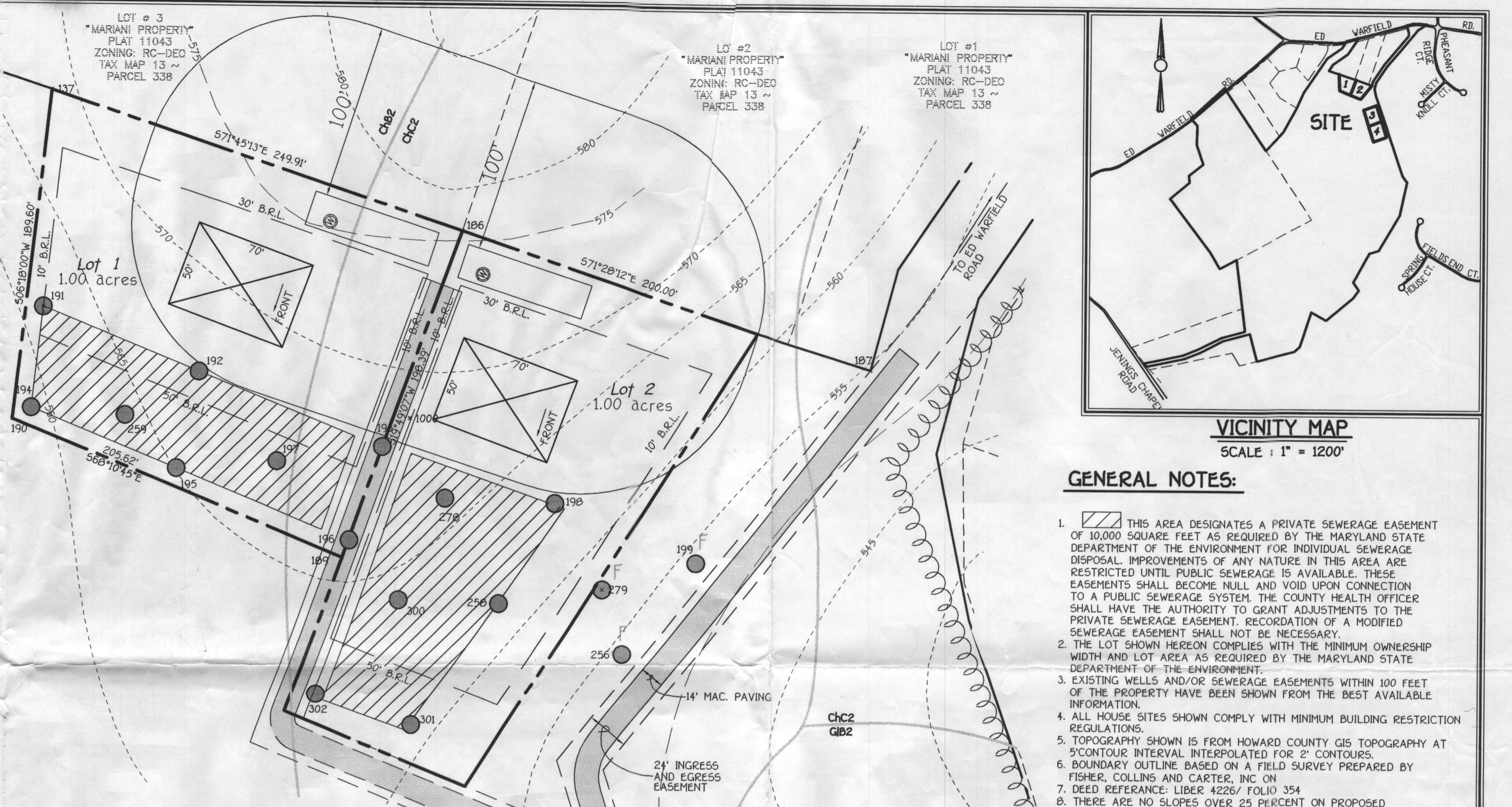
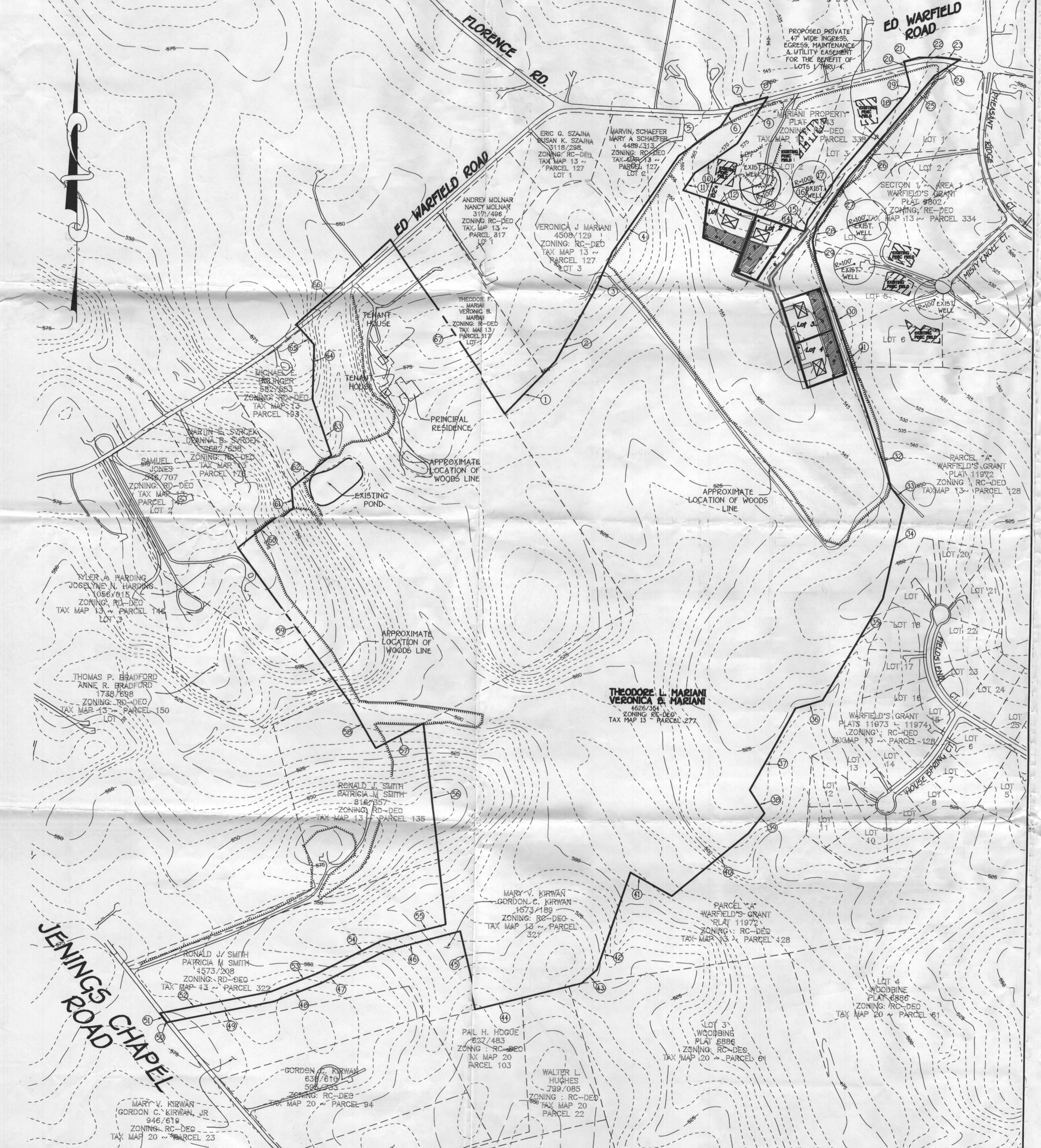
APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,  
 HOWARD COUNTY HEALTH DEPARTMENT.

*KJB*  
 COUNTY HEALTH OFFICER  
 5/24/04  
 DATE



**LEGEND**

- EXISTING 5' CONTOURS
- EXISTING 10' CONTOURS
- EXISTING TREE LINE
- SOIL LINES AND TYPES
- DENOTES PROPOSED WELL
- DENOTES FAILED PERC
- DENOTES PASSED PERC
- DENOTES PROPOSED HOUSE
- DENOTES 1500 Sq.Ft. ALTERNATE WELL SITE



- GENERAL NOTES:**
- THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL 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 SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
  - THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
  - EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM THE BEST AVAILABLE INFORMATION.
  - ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
  - TOPOGRAPHY SHOWN IS FROM HOWARD COUNTY GIS TOPOGRAPHY AT 5' CONTOUR INTERVAL INTERPOLATED FOR 2' CONTOURS.
  - BOUNDARY OUTLINE BASED ON A FIELD SURVEY PREPARED BY FISHER, COLLINS AND CARTER, INC. ON DEED REFERENCE LIBER 4226/ FOLIO 354
  - THERE ARE NO SLOPES OVER 25 PERCENT ON PROPOSED LOTS 1 THRU 4.
  - WELLS WILL BE DRILLED PRIOR TO SIGNATURE ON RECORD PLAT.

**METES AND BOUNDS TABULATION**

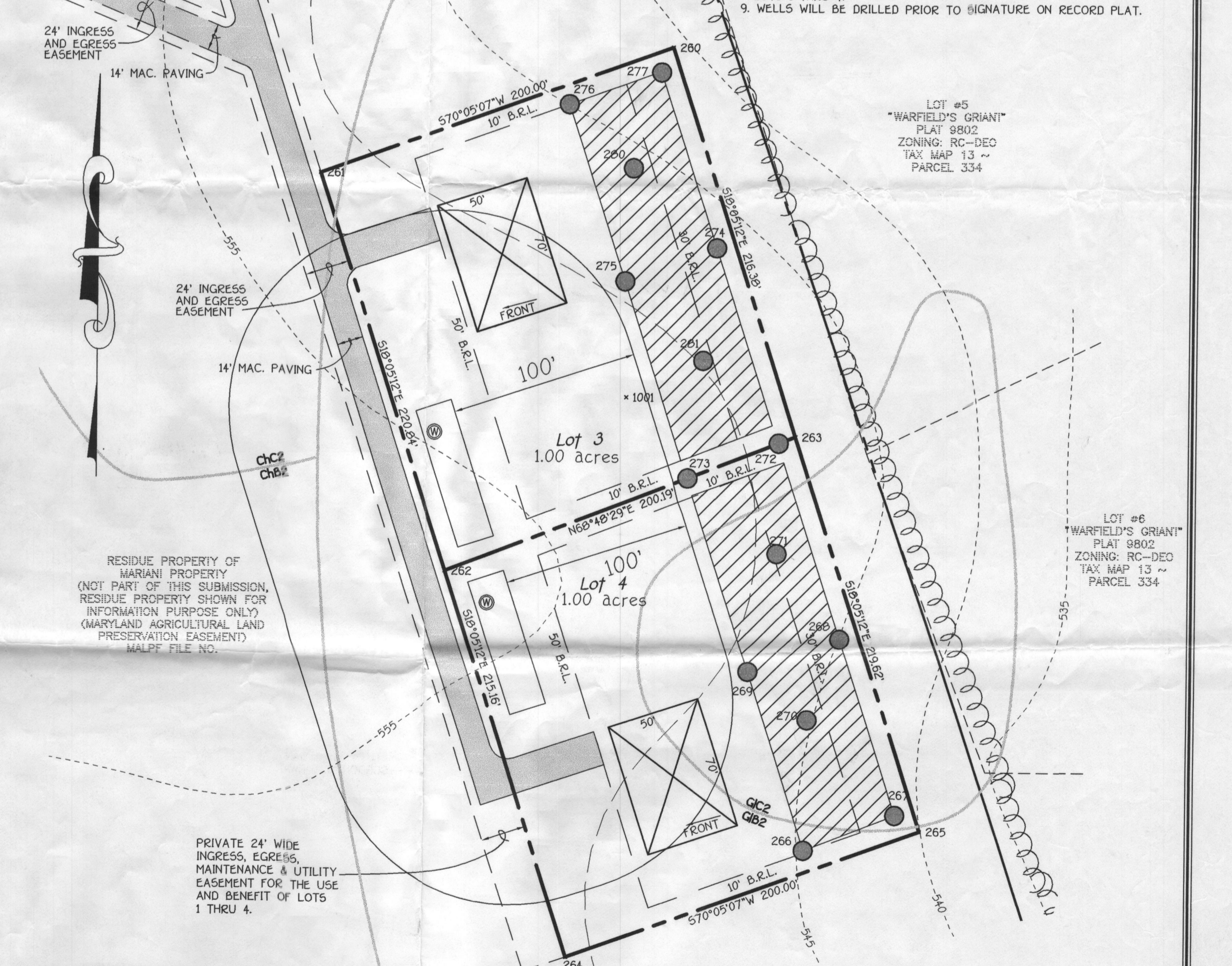
Course Number	Bearing And Distance
1	N43°29'11"E 358.50'
2	N24°13'12"E 370.00'
3	N24°11'12"E 258.34'
4	N34°21'12"E 264.56'
5	N52°25'12"E 248.18'
6	N53°25'14"E 110.92'
7	N74°26'12"E 79.77'
8	N73°03'12"E 291.15'
9	S55°25'12"E 219.00'
10	S58°28'12"E 258.18'
11	S72°06'52"E 258.18'
12	S71°28'12"E 339.90'
13	S74°33'12"E 49.98'
14	N14°26'23"E 201.91'
15	N34°13'41"E 285.62'
16	N06°38'40"E 280.62'
17	N00°11'19"E 174.87'
18	E-50.00'
19	N14°31'50"W 99.20'
20	N72°03'12"E 201.91'
21	N68°49'12"E 112.63'
22	S63°20'48"E 91.80'
23	S57°23'03"E 171.35'
24	S40°11'19"W 361.84'
25	S40°38'40"W 277.50'
26	S34°13'41"W 272.06'
27	S14°26'23"E 91.49'
28	S11°26'38"E 96.69'
29	S10°12'07"E 484.13'
30	S18°30'30"E 258.18'
31	S18°30'30"E 624.23'
32	S38°12'12"E 104.91'
33	S18°30'30"E 458.27'
34	S57°23'03"E 168.25'
35	S72°06'52"E 136.92'
36	S68°49'12"E 158.97'
37	S57°23'03"E 133.86'
38	S33°40'12"E 133.86'
39	S36°48'59"W 128.98'
40	S45°25'12"W 482.04'
41	N61°32'43"E 232.49'
42	S10°28'50"W 434.63'
43	S46°50'31"W 102.10'
44	S74°44'10"E 234.92'
45	N14°36'54"W 368.31'
46	S74°36'16"W 363.91'
47	S67°43'08"E 218.78'
48	S67°43'08"E 328.68'
49	S78°11'52"E 128.68'
50	N37°48'44"W 46.70'
51	N78°11'59"E 243.41'
52	N67°43'08"E 232.03'
53	N82°14'46"E 314.58'
54	N74°18'16"E 328.98'
55	N10°02'51"E 388.29'
56	S82°19'54"W 267.31'
57	N28°47'50"W 314.00'
58	S18°30'30"E 314.00'
59	N82°10'17"E 347.32'
60	N02°36'24"W 98.80'
61	N22°45'12"W 234.92'
62	N16°33'47"W 281.23'
63	N03°36'01"W 263.96'
64	N16°33'47"W 281.23'
65	N10°18'42"E 554.97'
66	S34°13'41"E 1021.74'
67	S34°13'41"E 1021.74'

**SOILS LEGEND**

SOIL	NAME	CLASS
ChB2	Chester silt loam, 3 to 8 percent slopes, moderately eroded	B
ChC2	Chester silt loam, 8 to 15 percent slopes, moderately eroded	B
GIB2	Glensig loam, 3 to 8 percent slopes, moderately eroded	B
GIC2	Glensig loam, 8 to 15 percent slopes, moderately eroded	B

**NOTES:**

- Hydric soils and/or contains hydric inclusions
- \*\* May contain hydric inclusions
- † Generally only within 100-year floodplain areas



**PERC CERTIFICATION DRAWING**  
**MARIANI PROPERTY**  
 LOTS 1 - 4

TAX MAP #13 ZONED: RC-DEC PARCEL: 277  
 FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 SCALE: 1"=50'  
 DATE: OCTOBER 27, 2003  
 REVISED DATE: DECEMBER 17, 2003  
 REVISED DATE: MARCH 22, 2004  
 REVISED DATE: MARCH 29, 2004

**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CENTENAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
 ELLICOTT CITY, MARYLAND 21042  
 (410) 461-2855

**SCALE**  
 1"=300'

**OWNER/DEVELOPER**  
 MR. THEODORE L. MARIANI  
 MS. VERONICA B. MARIANI  
 16449 ED WARFIELD ROAD  
 WOODBINE, MARYLAND 21797-7805

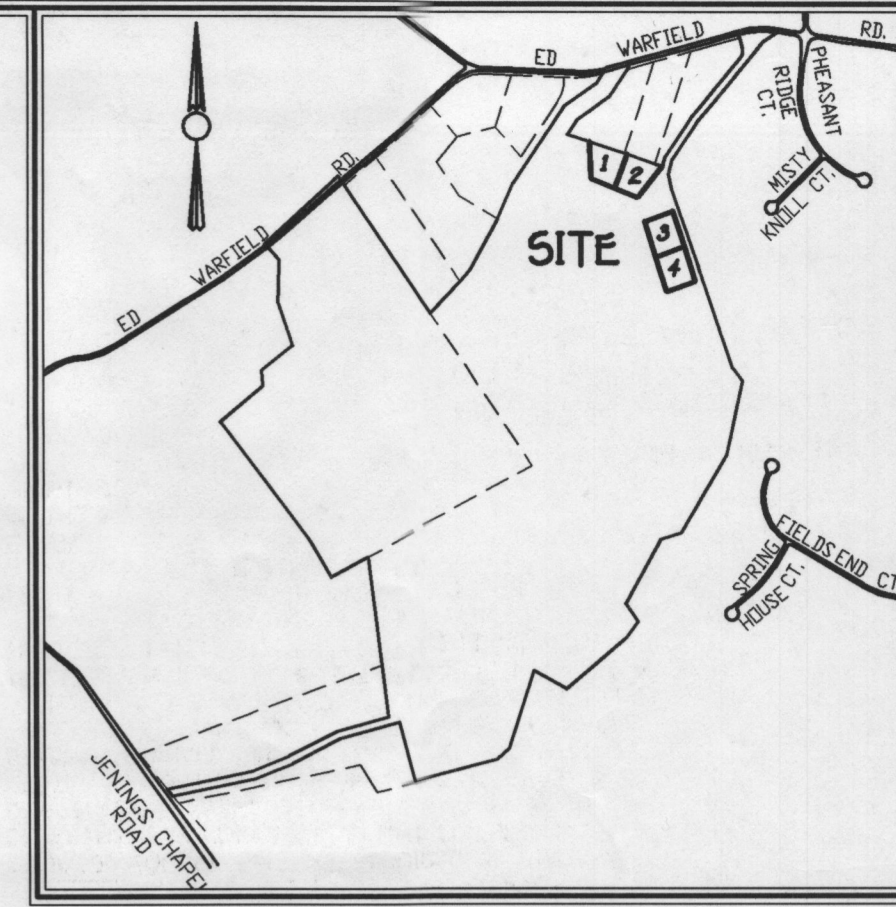
**PERC CERTIFICATION**

I certify that the locations shown hereon are based on field locations done under my direct supervision and are correct to the best of my professional knowledge and belief.

Signature of Professional Land Surveyor: Mark L. Robel, Property Surveyor No. 339 Date: \_\_\_\_\_

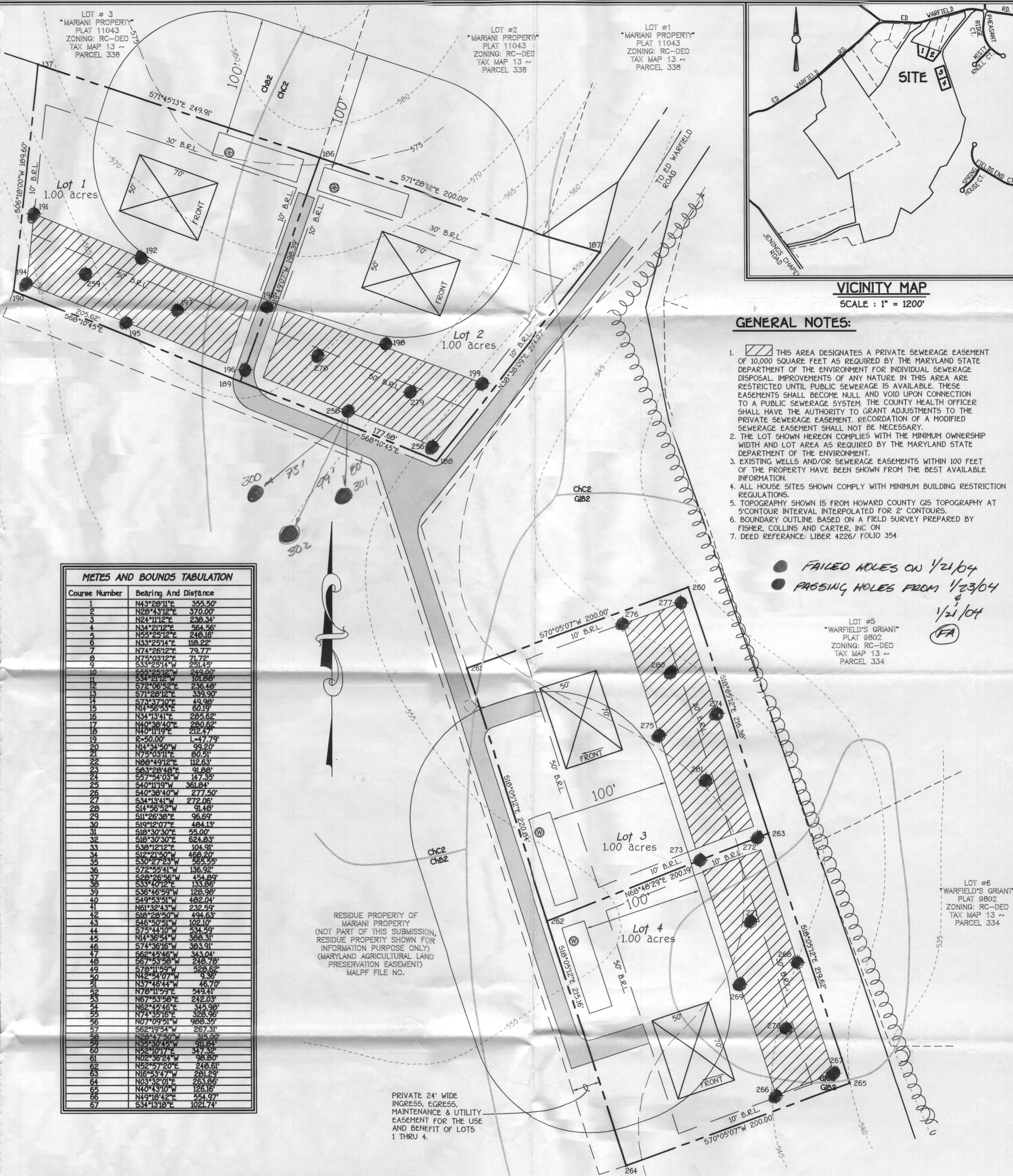
APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.

COUNTY HEALTH OFFICER: \_\_\_\_\_ DATE: \_\_\_\_\_



- GENERAL NOTES:**
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  - BOUNDARY OUTLINE BASED ON A FIELD SURVEY PREPARED BY FISHER, COLLINS AND CARTER, INC. ON
  - DEED REFERENCE: LIBER 4226; FOLIO 354

● FAILED HOLES ON 1/21/04  
● PASSING HOLES FROM 1/23/04  
1/21/04  
(FA)



**METES AND BOUNDS TABULATION**

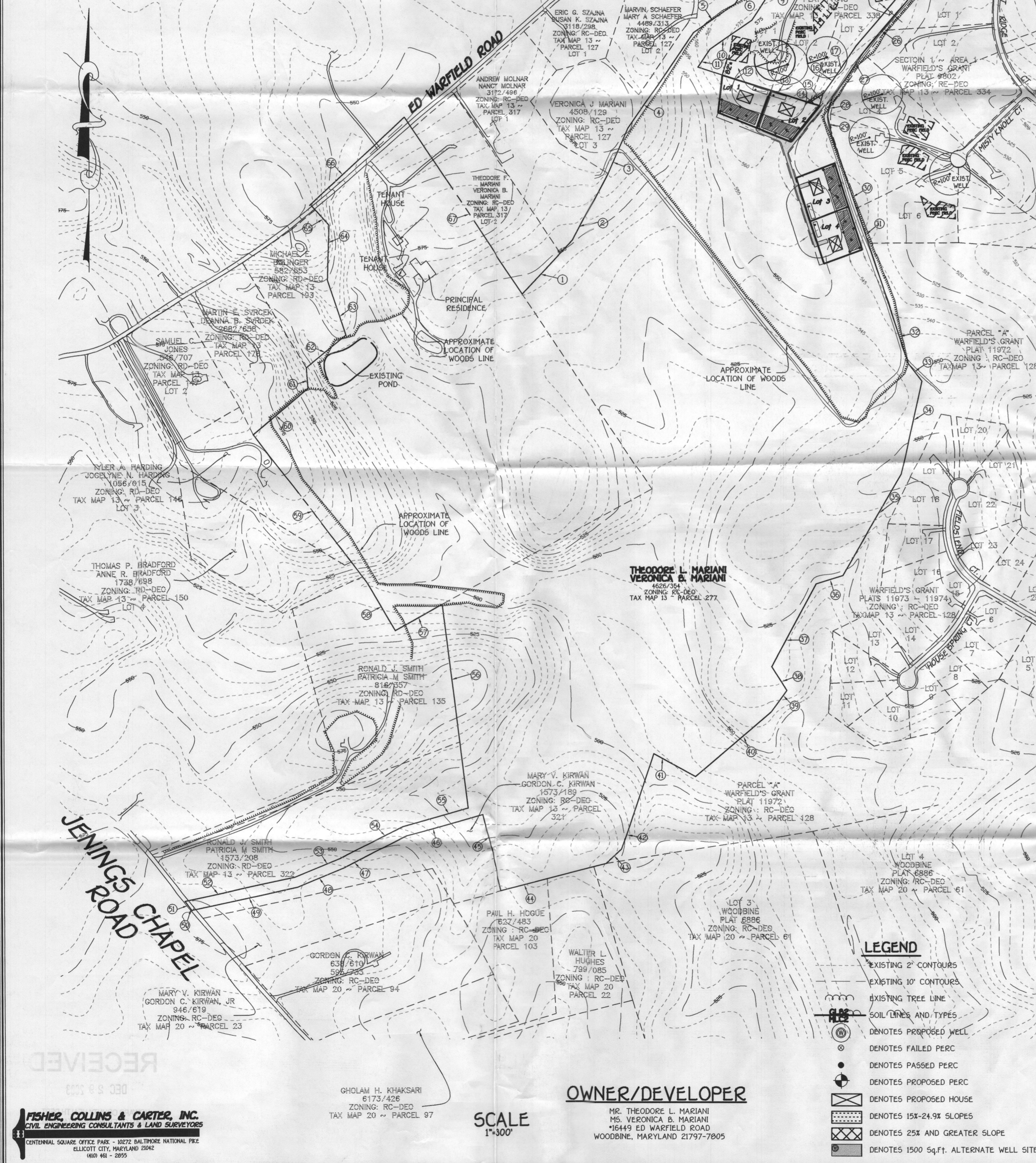
Course Number	Bearing And Distance
1	N43°28'11"E 355.50'
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4	N34°21'12"E 564.56'
5	N55°29'32"E 248.16'
6	N33°22'14"E 119.22'
7	N74°26'12"E 79.77'
8	N75°09'32"E 71.77'
9	S55°25'55"E 245.00'
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13	S52°02'12"E 229.52'
14	N14°36'43"E 60.19'
15	N34°13'41"E 285.62'
16	S70°05'07"W 200.00'
17	N10°11'54"E 212.49'
18	S2°50'00"W 147.79'
19	N14°36'43"E 60.19'
20	N76°03'31"E 80.91'
21	N68°49'12"E 112.63'
22	S65°28'48"W 91.88'
23	S71°42'31"W 112.93'
24	S40°11'19"W 361.84'
25	S40°38'40"W 277.50'
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31	S19°30'30"E 624.83'
32	S38°12'12"E 104.91'
33	S12°21'50"W 488.20'
34	S30°27'23"W 385.55'
35	S72°02'12"E 108.93'
36	S29°26'26"W 454.89'
37	S33°40'12"E 133.86'
38	S33°42'52"E 129.39'
39	S49°53'51"W 482.04'
40	N61°32'43"W 232.99'
41	S18°12'12"E 408.53'
42	S45°50'51"W 102.10'
43	S78°14'10"W 434.99'
44	N4°55'12"E 228.31'
45	S71°30'16"W 383.91'
46	S68°42'48"W 343.04'
47	S50°12'29"W 248.78'
48	S70°11'29"W 259.92'
49	N13°10'17"E 3.38'
50	N15°28'44"W 167.10'
51	N15°19'12"E 541.41'
52	N67°43'58"E 212.03'
53	N88°09'48"E 315.38'
54	N74°19'16"E 255.82'
55	N07°09'31"W 888.35'
56	S65°19'51"W 267.31'
57	N68°17'42"E 318.00'
58	N32°30'43"W 91.84'
59	N68°17'42"E 318.00'
60	N02°56'24"W 166.80'
61	N52°47'20"E 218.51'
62	N16°43'47"W 182.29'
63	N05°53'01"E 255.62'
64	N40°43'10"W 126.16'
65	N45°18'42"E 254.97'
66	S34°13'16"E 102.174'

**SOILS LEGEND**

SOIL	NAME	CLASS
ChB2	Chester silt loam, 3 to 8 percent slopes, moderately eroded	B
ChC2	Chester silt loam, 8 to 15 percent slopes, moderately eroded	B
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GIC2	Glenelg loam, 8 to 15 percent slopes, moderately eroded	B

NOTES:  
\* Hydric soils and/or contains hydric inclusions  
\*\* May contain hydric inclusions  
† Generally only within 100-year floodplain areas

SCALE  
1"=50'



- LEGEND**
- EXISTING 2' CONTOURS
  - EXISTING 10' CONTOURS
  - EXISTING TREE LINE
  - SOIL LINES AND TYPES
  - ⊙ DENOTES PROPOSED WELL
  - DENOTES FAILED PERC
  - DENOTES PASSED PERC
  - ⊕ DENOTES PROPOSED PERC
  - ⊠ DENOTES PROPOSED HOUSE
  - ⊞ DENOTES 15%-24.9% SLOPES
  - ⊞ DENOTES 25% AND GREATER SLOPE
  - ⊞ DENOTES 1500 Sq.Ft. ALTERNATE WELL SITE

**OWNER/DEVELOPER**  
MR. THEODORE L. MARIANI  
MS. VERONICA B. MARIANI  
16449 ED WARFIELD ROAD  
WOODBINE, MARYLAND 21797-7805

SCALE  
1"=300'

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTRAL SQUARE OFFICE PARK - 1027 BALTIMORE NATIONAL Pk.  
ELLCOTT CITY, MARYLAND 21042  
4100 94 - 2005

**PERC APPLICATION PLAN**  
**MARIANI PROPERTY**  
LOTS 1 - 4  
TAX MAP 13 ZONED: RC-DEO PARCEL: 277  
FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
SCALE: 1"=50' DATE: OCTOBER 27, 2003  
REVISED DATE: DECEMBER 17, 2003  
REVISED DATE: DECEMBER 23, 2003

K:\Drawings\610138 MARIANI Property\dwg\610138 4 Lot Perc App.dwg, 12/23/2003 11:43:11 AM

**PERC CERTIFICATION**

I certify that the locations shown hereon are based on field locations done under my direct supervision and are correct to the best of my professional knowledge and belief.

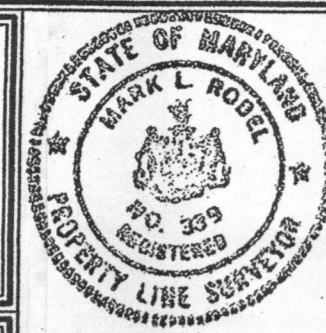
*Mark L. Robel*  
 Signature of Professional Land Surveyor  
 Mark L. Robel, Property Line Surveyor No. 339

5/20/04  
 Date

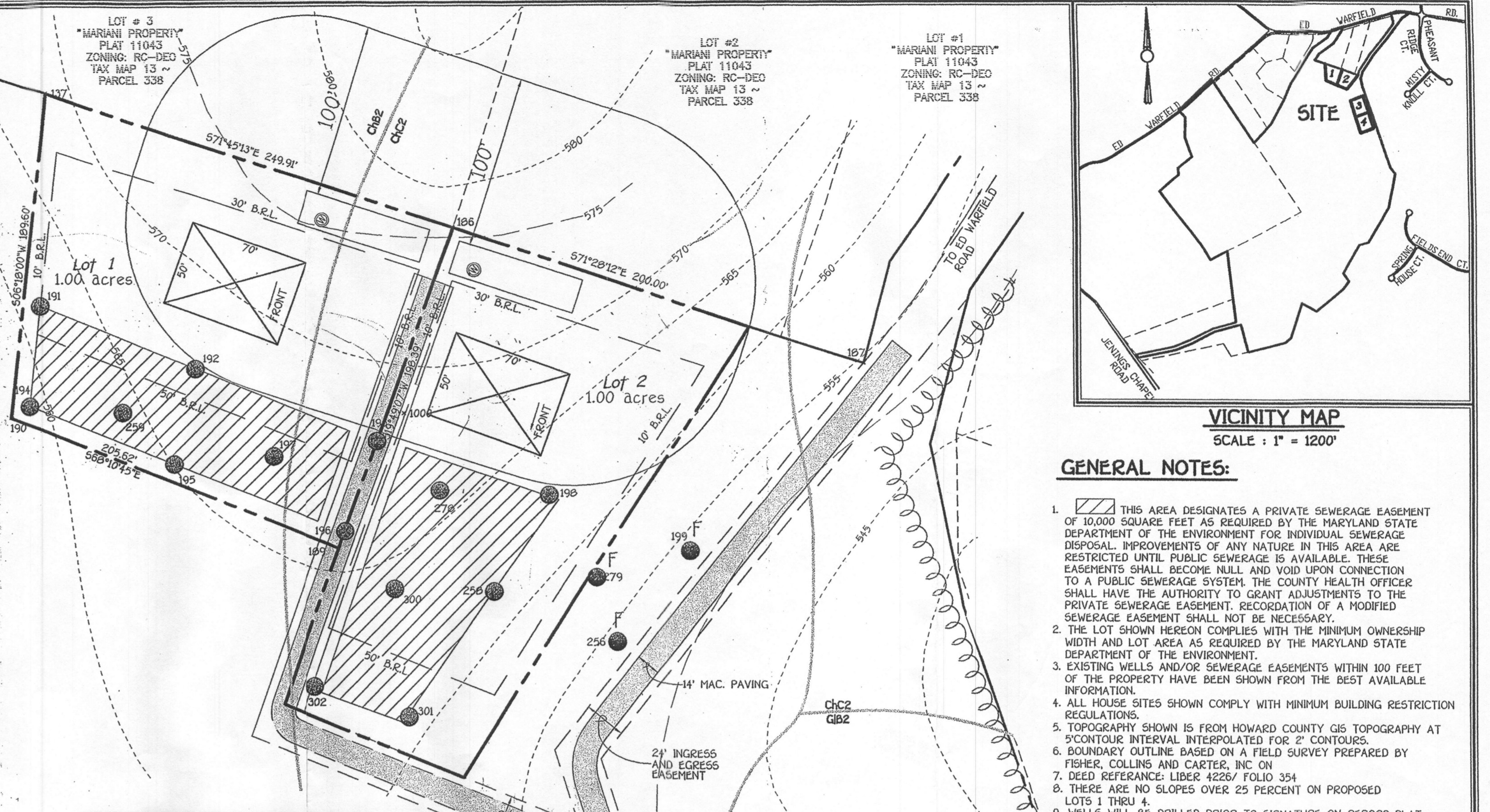
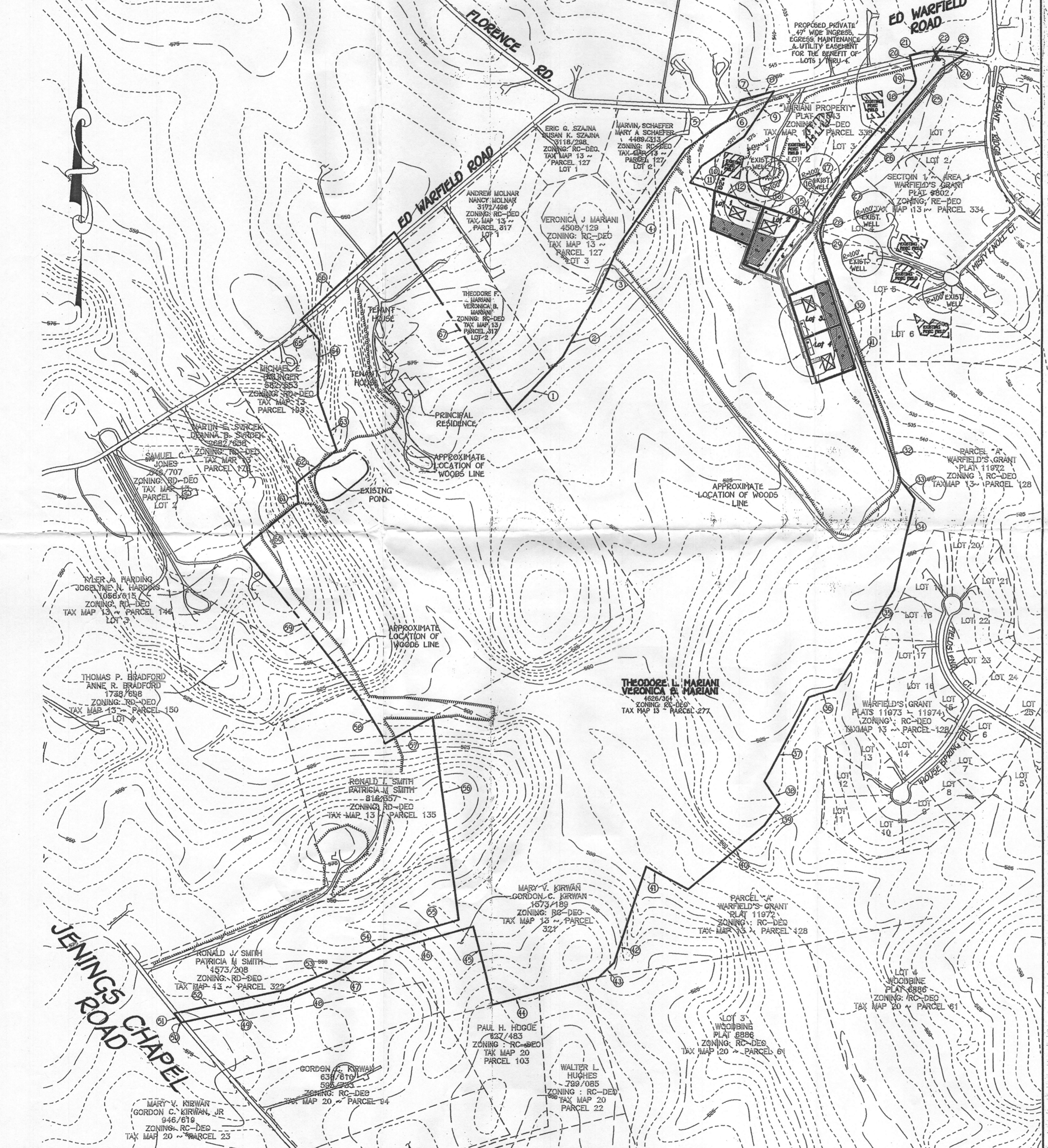
APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,  
 HOWARD COUNTY HEALTH DEPARTMENT.

*[Signature]*  
 COUNTY HEALTH OFFICER KJB 5/24/04

DATE



- LEGEND**
- EXISTING 5' CONTOURS
  - EXISTING 10' CONTOURS
  - EXISTING TREE LINE
  - SOIL LINES AND TYPES
  - DENOTES PROPOSED WELL
  - DENOTES FAILED PERC
  - DENOTES PASSED PERC
  - DENOTES PROPOSED HOUSE
  - DENOTES 1500 Sq.Ft. ALTERNATE WELL SITE



- GENERAL NOTES:**
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  - THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
  - EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM THE BEST AVAILABLE INFORMATION.
  - ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
  - TOPOGRAPHY SHOWN IS FROM HOWARD COUNTY GIS TOPOGRAPHY AT 5' CONTOUR INTERVAL INTERPOLATED FOR 2' CONTOURS.
  - BOUNDARY OUTLINE BASED ON A FIELD SURVEY PREPARED BY FISHER, COLLINS AND CARTER, INC ON DEED REFERENCE LIBER 4226/ FOLIO 354
  - THERE ARE NO SLOPES OVER 25 PERCENT ON PROPOSED LOTS 1 THRU 4.
  - WELLS WILL BE DRILLED PRIOR TO SIGNATURE ON RECORD PLAT.

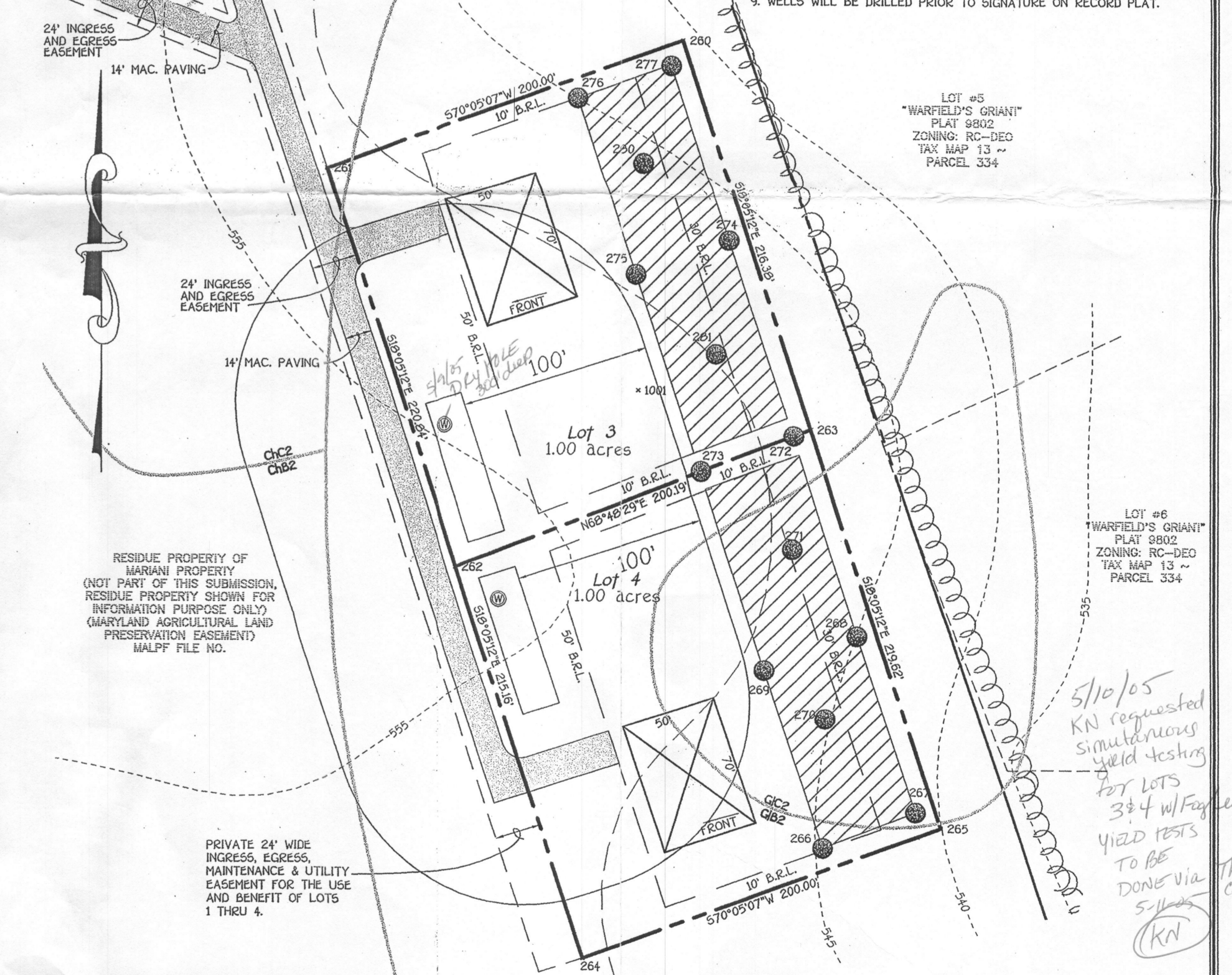
**METES AND BOUNDS TABULATION**

Course Number	Bearing And Distance
1	N43°20'11"E 395.50'
2	N52°43'12"E 370.00'
3	N24°11'12"E 288.54'
4	N54°11'12"E 288.54'
5	N55°25'12"E 249.16'
6	N53°25'14"E 116.22'
7	N74°50'12"E 79.77'
8	N75°00'12"E 71.72'
9	S53°25'12"E 249.00'
10	S54°11'12"E 101.89'
11	S72°20'12"E 147.59'
12	S71°20'12"E 339.90'
13	S73°37'10"E 49.98'
14	N40°30'10"E 280.02'
15	N40°30'10"E 280.02'
16	N54°13'41"E 285.62'
17	N40°30'10"E 280.02'
18	N40°30'10"E 280.02'
19	S2°50'00"W 147.79'
20	N4°50'00"W 99.20'
21	N72°03'12"E 281.51'
22	N82°49'12"E 112.63'
23	S63°20'40"E 91.86'
24	S97°24'03"W 147.59'
25	S40°11'10"W 361.84'
26	S40°38'40"W 277.59'
27	S44°13'14"E 272.02'
28	S14°58'52"W 91.48'
29	S11°20'32"E 96.89'
30	S12°20'12"E 484.19'
31	S18°30'30"E 55.00'
32	S18°30'30"E 824.83'
33	S34°11'12"E 101.89'
34	S12°21'10"W 482.20'
35	S50°27'23"W 285.55'
36	S74°50'12"E 79.77'
37	S28°25'56"W 434.09'
38	S33°10'12"E 133.88'
39	S18°30'30"E 55.00'
40	S49°33'51"W 482.04'
41	N61°24'13"W 232.59'
42	S18°25'00"W 431.63'
43	S48°00'00"W 102.10'
44	S75°14'10"W 534.59'
45	N4°38'14"E 389.51'
46	S74°50'12"E 79.77'
47	S62°42'45"W 343.04'
48	S67°25'58"W 248.72'
49	N49°19'51"W 594.91'
50	N49°19'51"W 43.38'
51	N37°48'44"W 26.70'
52	N70°19'51"W 594.91'
53	N67°25'58"E 242.03'
54	N62°49'45"E 345.98'
55	N74°50'12"E 79.77'
56	N07°09'51"W 988.35'
57	S62°19'54"W 267.31'
58	N24°11'12"E 316.00'
59	N55°30'45"W 911.84'
60	N52°10'17"E 347.52'
61	N09°59'54"W 989.50'
62	N52°57'20"E 248.81'
63	N16°34'17"W 281.29'
64	N03°20'12"E 263.65'
65	N40°43'10"W 128.16'
66	N49°19'52"E 254.97'
67	S34°13'12"E 1021.74'

**SOILS LEGEND**

SOIL	NAME	CLASS
ChB2	Chester silt loam, 3 to 8 percent slopes, moderately eroded	B
ChC2	Chester silt loam, 8 to 15 percent slopes, moderately eroded	B
GIB2	Glenela loam, 3 to 8 percent slopes, moderately eroded	B
GB2	Glenela loam, 8 to 15 percent slopes, moderately eroded	B

NOTES:  
 \* Hydric soils and/or contains hydric inclusions  
 \*\* May contain hydric inclusions  
 † Generally only within 100-year floodplain areas



**PERC CERTIFICATION DRAWING**  
**MARIANI PROPERTY**  
 LOTS 1 - 4

TAX MAP #13      ZONED: RC-DEO      PARCEL: 277  
 FOURTH ELECTION DISTRICT      HOWARD COUNTY, MARYLAND

SCALE: 1"=50'

DATE: OCTOBER 27, 2003  
 REVISED DATE: DECEMBER 17, 2003  
 REVISED DATE: MARCH 22, 2004  
 REVISED DATE: MARCH 29, 2004

5/10/05  
 KN requested  
 simultaneous  
 yield testing  
 for lots  
 3 & 4 w/ Fug  
 112D tests  
 to be  
 done via  
 5-11-05  
 (KN)