

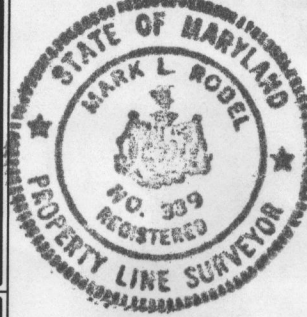
PERC CERTIFICATION
 I certify that the locations shown hereon are based on field locations done under my direct supervision and are correct to the best of my professional knowledge and belief.

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

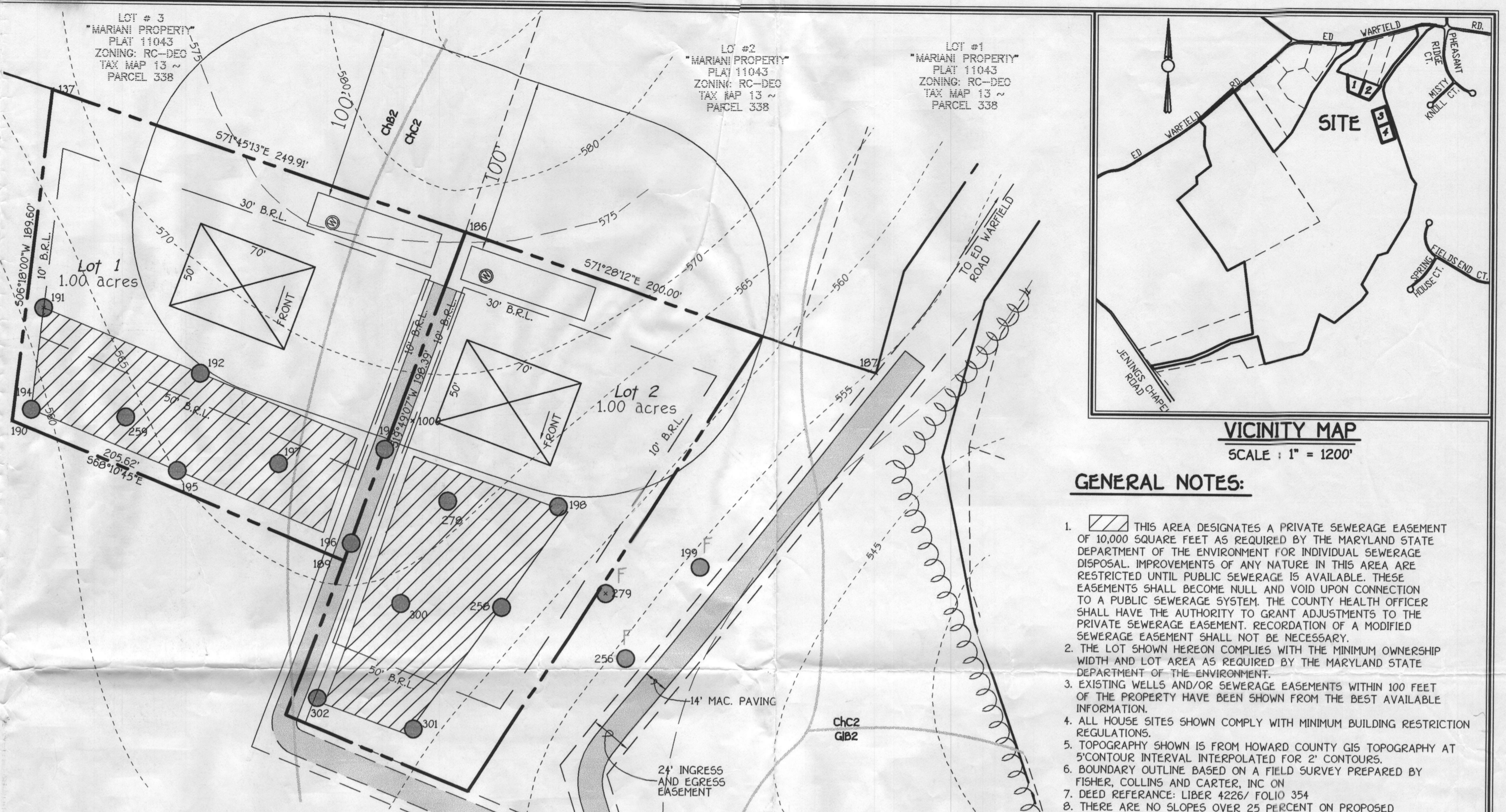
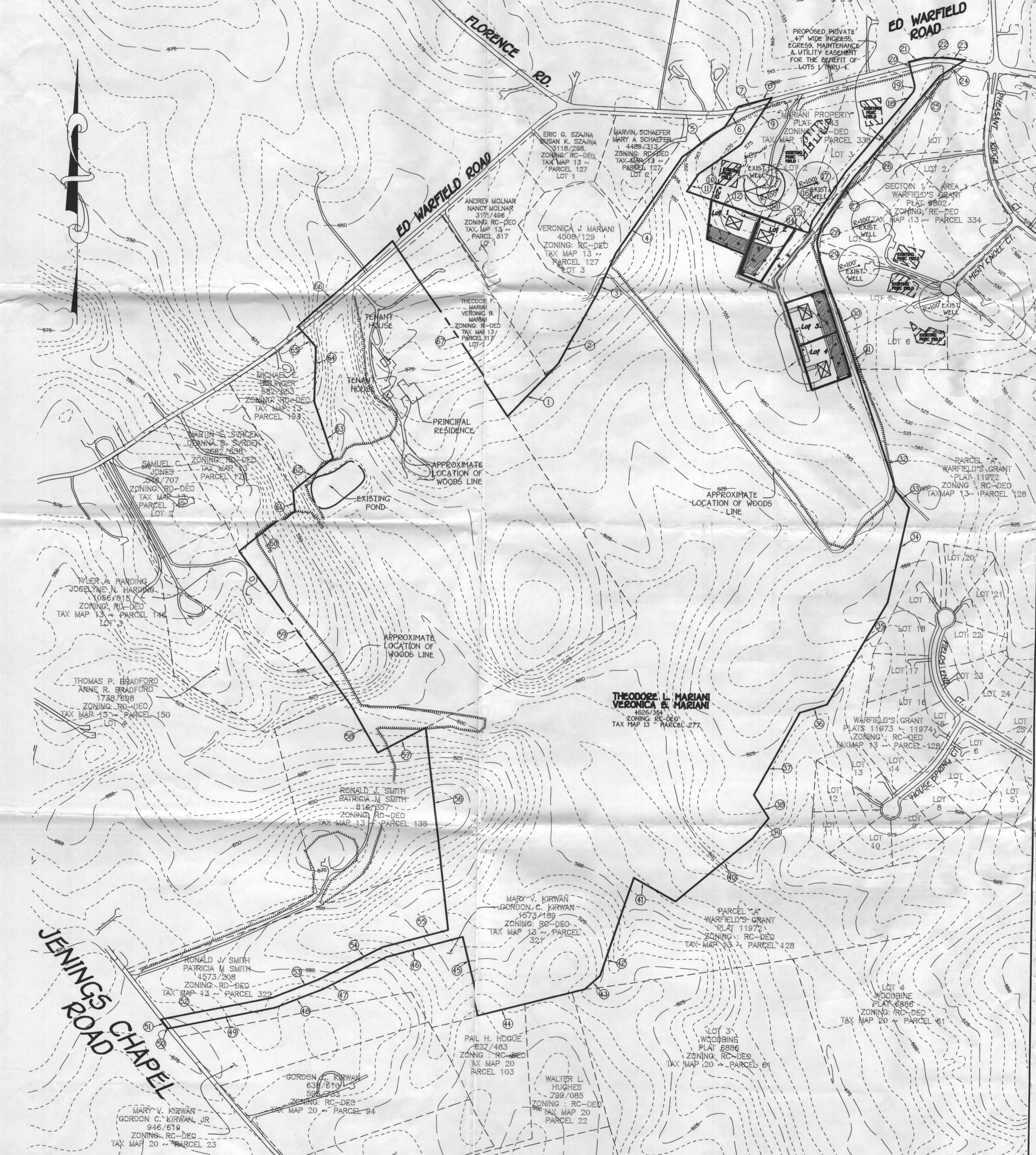
5/20/04
 Date

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

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.

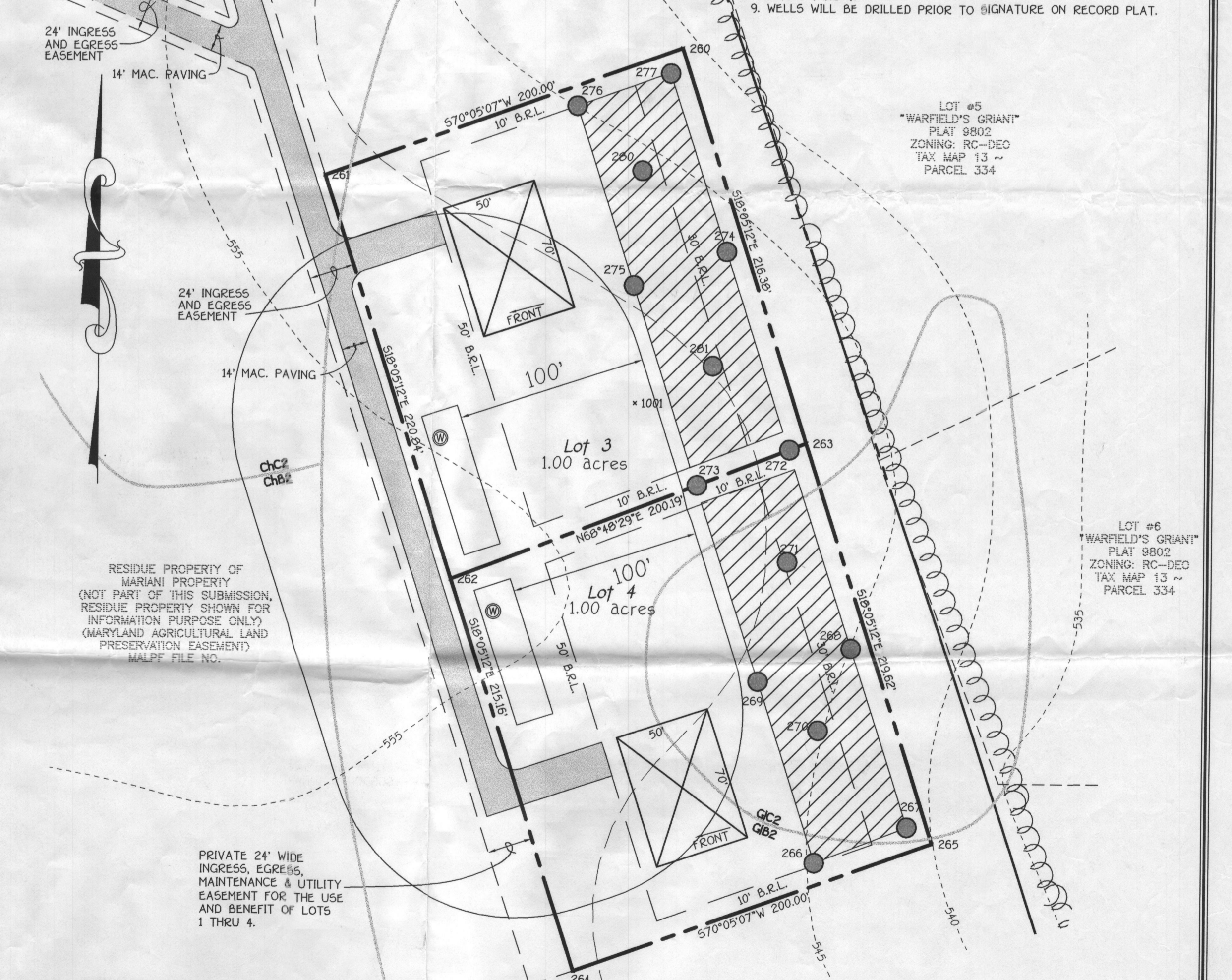
METES AND BOUNDS TABULATION

Course Number	Bearing And Distance
1	N43°28'11"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°21'12"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°25'19"W 219.00'
10	S58°28'12"W 258.18'
11	S72°06'52"E 258.18'
12	S71°28'12"E 339.90'
13	S74°33'10"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	N02°11'19"E 174.79'
18	N14°31'50"W 99.20'
19	N17°05'11"E 201.91'
20	N68°49'12"E 112.63'
21	S63°20'48"E 91.80'
22	S57°23'03"E 171.35'
23	S40°11'19"W 361.84'
24	S40°38'40"W 277.50'
25	S34°13'41"W 272.06'
26	S14°26'23"E 91.89'
27	S11°26'38"E 96.69'
28	S10°12'07"E 484.13'
29	S19°43'30"E 458.27'
30	S18°30'30"E 624.23'
31	S38°12'12"E 104.91'
32	S19°43'30"E 458.27'
33	S57°23'03"E 171.35'
34	S57°23'03"E 171.35'
35	S57°23'03"E 171.35'
36	S72°06'52"E 136.92'
37	S68°28'12"W 458.27'
38	S33°10'12"E 133.86'
39	S36°48'59"W 128.98'
40	S45°25'21"W 482.04'
41	N61°32'43"E 232.49'
42	S10°28'50"W 434.63'
43	S46°50'59"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 218.78'
49	S78°11'22"E 328.68'
50	S78°11'22"E 328.68'
51	N37°48'44"W 46.70'
52	N78°11'59"E 243.41'
53	N67°43'08"E 218.78'
54	N82°14'46"E 314.58'
55	N74°18'16"E 328.98'
56	N10°02'51"E 388.29'
57	S82°19'54"W 267.31'
58	N28°47'50"W 314.00'
59	N59°13'30"E 511.07'
60	N82°10'17"E 347.32'
61	N02°36'24"W 98.80'
62	N22°45'29"E 234.92'
63	N16°33'47"W 281.23'
64	N03°36'01"E 263.96'
65	N16°33'47"W 281.23'
66	N10°18'42"E 554.97'
67	S34°19'18"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

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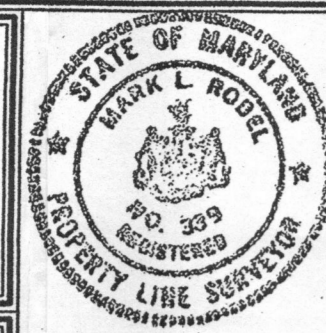
Mark L. Robel
Signature of Professional Land Surveyor
Mark L. Robel, Property Line Surveyor No. 339

5/20/04
Date

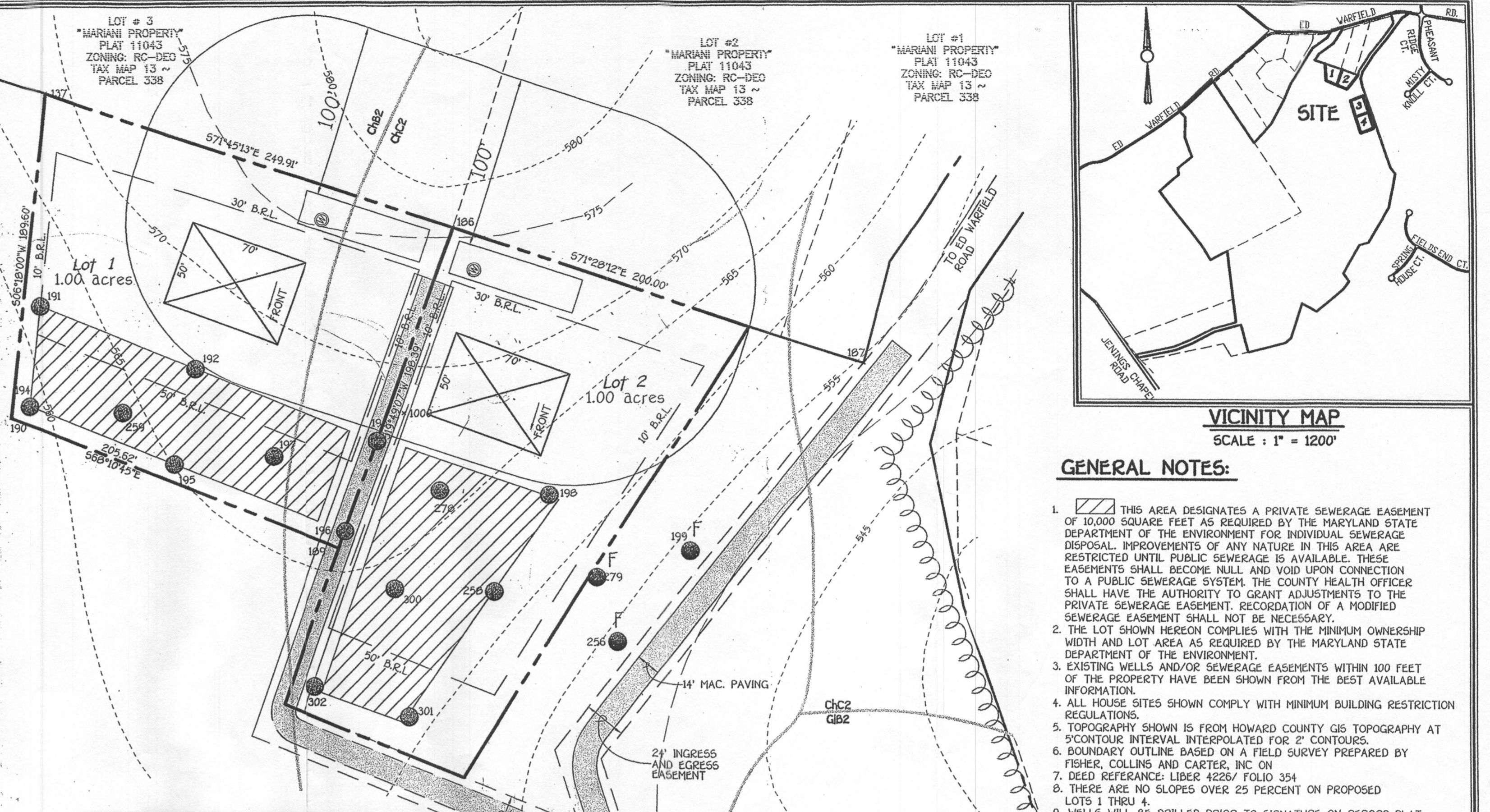
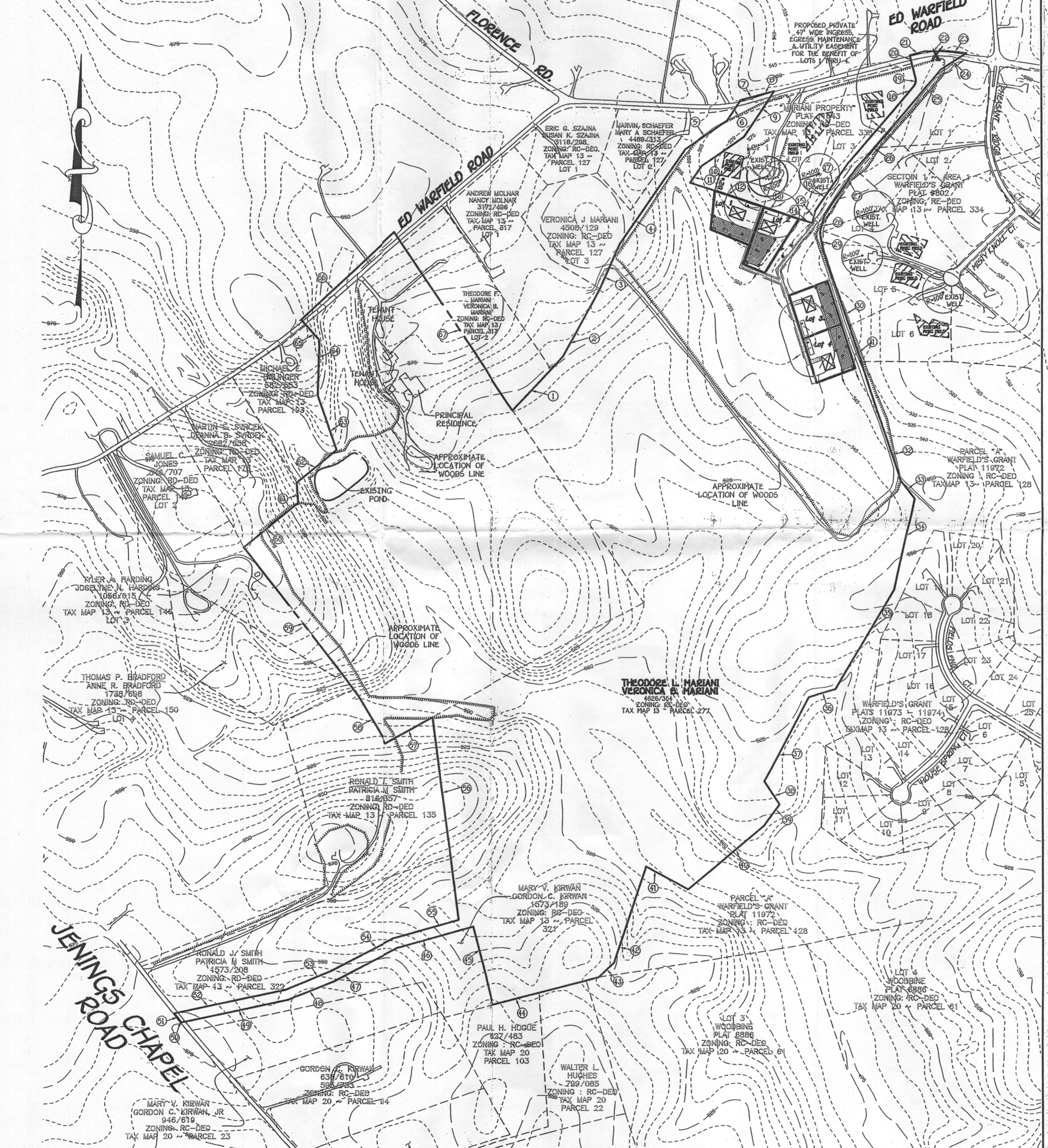
APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT.

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

DATE



- LEGEND**
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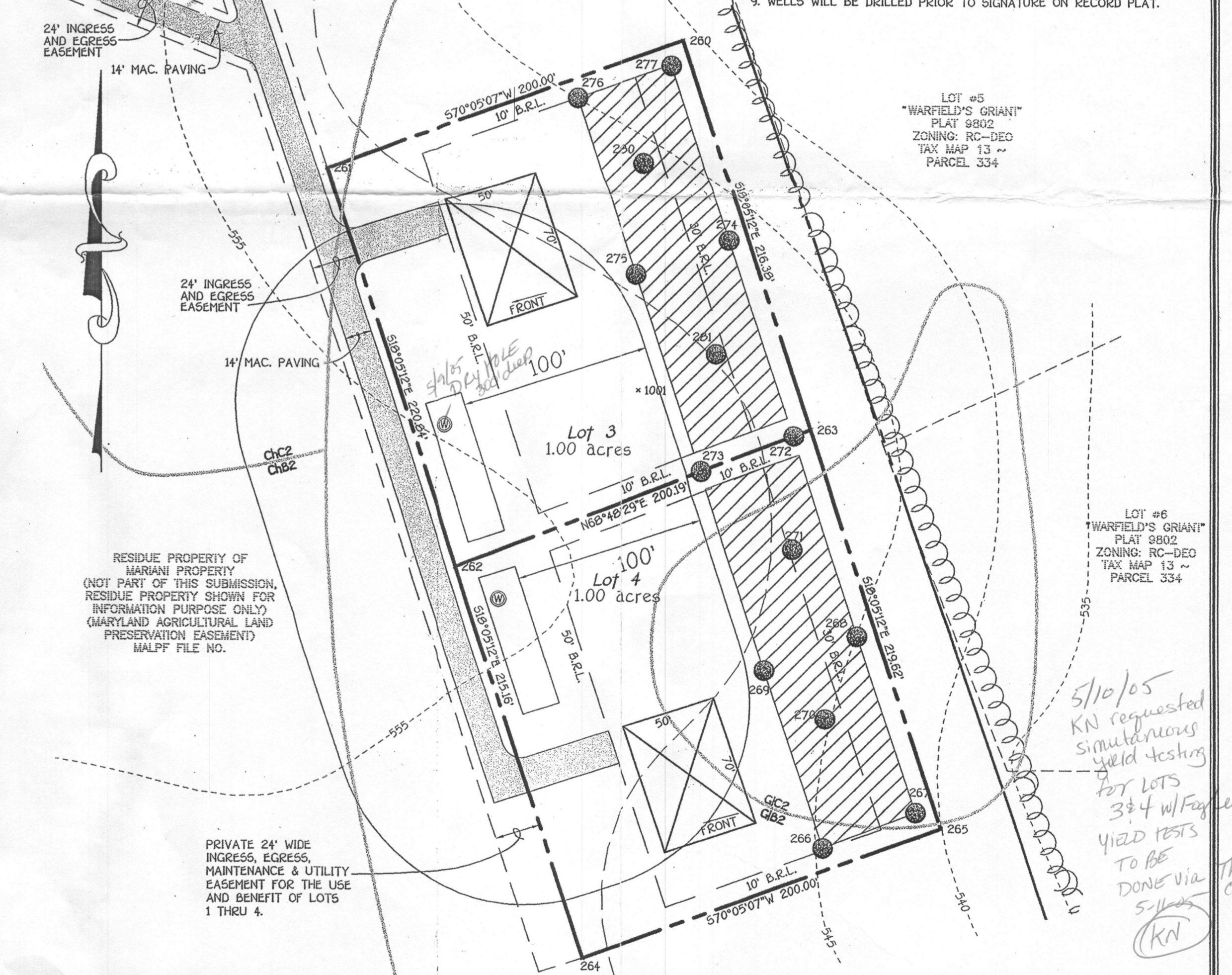
METES AND BOUNDS TABULATION

Course Number	Bearing And Distance
1	N43°20'11"E 395.50'
2	N52°43'12"E 370.00'
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4	N54°11'12"E 288.54'
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6	N53°25'14"E 116.22'
7	N74°50'12"E 73.77'
8	N75°00'12"E 71.72'
9	S53°25'12"E 249.00'
10	S54°11'12"E 101.85'
11	S72°20'12"E 147.59'
12	S71°20'12"E 339.50'
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 93.20'
21	N72°03'12"E 281.51'
22	N82°49'12"E 112.63'
23	S63°20'40"E 91.88'
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25	S40°11'10"W 361.84'
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27	S44°13'14"E 272.02'
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29	S11°20'32"E 96.89'
30	S12°20'12"E 484.13'
31	S18°30'30"E 55.00'
32	S18°30'30"E 824.83'
33	S34°11'12"E 101.85'
34	S12°21'10"W 482.20'
35	S50°27'23"W 285.55'
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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 73.77'
47	S62°42'45"W 343.04'
48	S67°25'58"W 248.72'
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58	N24°11'12"E 318.00'
59	N55°30'45"W 911.84'
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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
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- NOTES:**
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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
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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)*

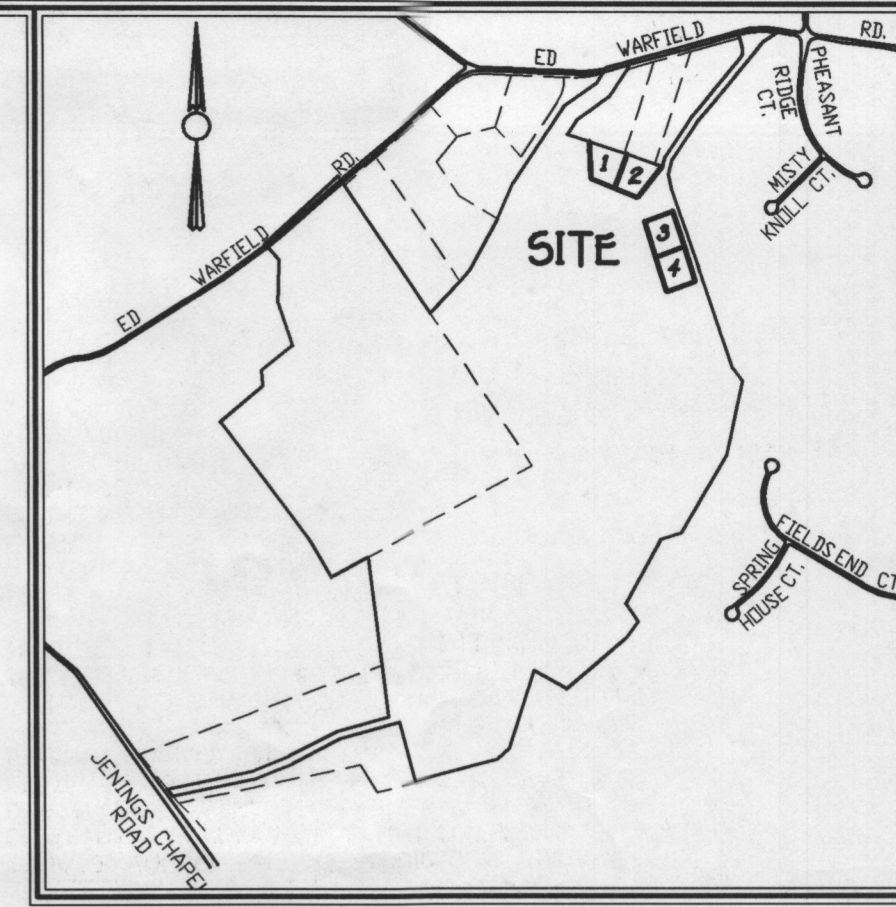
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Signature of Professional Land Surveyor: Mark L. Robel, Property Surveyor No. 339 Date: _____

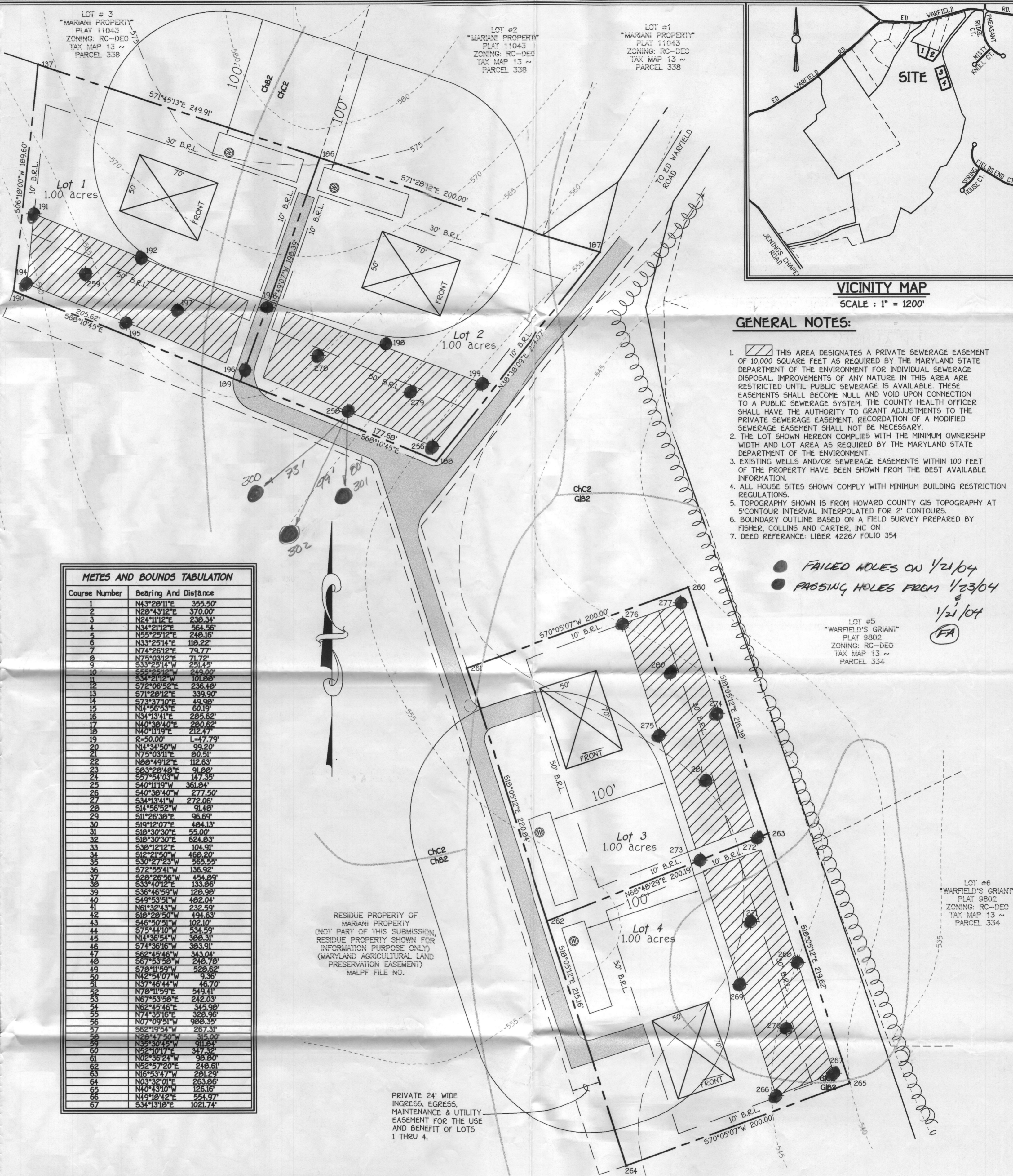
APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.

COUNTY HEALTH OFFICER: _____ DATE: _____



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 - 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

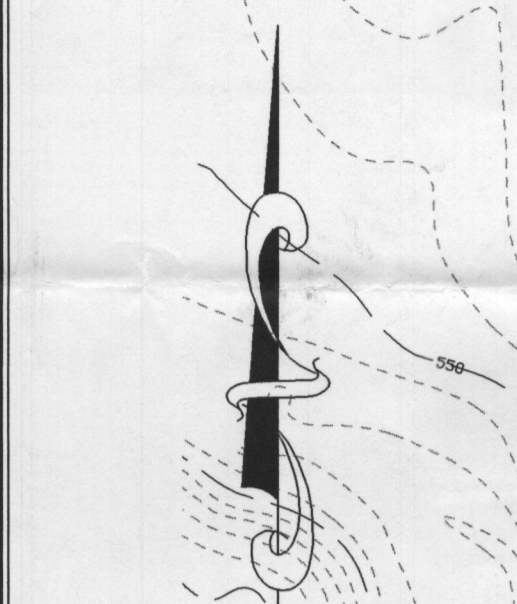
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47	N13°10'17"W 3.38'
48	N13°10'17"W 45.70'
49	N13°10'17"W 45.71'
50	N67°43'58"E 212.03'
51	N88°09'48"E 315.38'
52	N74°19'16"E 255.82'
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SOILS LEGEND

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	Glenelg loam, 3 to 8 percent slopes, moderately eroded	B
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- † Generally only within 100-year floodplain areas



RECEIVED
 OCT 27 2003

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTRAL SQUARE OFFICE PARK - 1027 BALTIMORE NATIONAL Pk.
 ELLICOTT CITY, MARYLAND 21044
 (410) 484-2000

GHOLAM H. KHAKSARI
 6173/426
 ZONING: RC-DEO
 TAX MAP 20 -- PARCEL 97

SCALE
 1"=300'

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

- 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

THOMAS P. BRADFORD
 ANNE R. BRADFORD
 1738/698
 ZONING: RD-DEO
 TAX MAP 13 -- PARCEL 150

RYLER A. HARDING
 JOCELYNE N. HARDING
 086/619
 ZONING: RC-DEO
 TAX MAP 13 -- PARCEL 146
 LOT 3

MICHAEL E. BALINGER
 VERONICA B. MARIANI
 ZONING: RC-DEO
 TAX MAP 13 -- PARCEL 193

ANDREW MOLNAR
 NANCY MOLNAR
 3172/496
 ZONING: RC-DEO
 TAX MAP 13 -- PARCEL 317
 LOT 1

ERIC G. SZAJNA
 MARY A. SZAJNA
 3118/298
 ZONING: RC-DEO
 TAX MAP 13 -- PARCEL 127
 LOT 2

VERONICA J. MARIANI
 4508/128
 ZONING: RC-DEO
 TAX MAP 13 -- PARCEL 127
 LOT 3

RONALD J. SMITH
 PATRICIA M. SMITH
 818/257
 ZONING: RD-DEO
 TAX MAP 13 -- PARCEL 135

MARY V. KIRWAN
 GORDON C. KIRWAN
 1573/189
 ZONING: RC-DEO
 TAX MAP 13 -- PARCEL 322

MARY V. KIRWAN
 GORDON C. KIRWAN, JR.
 946/619
 ZONING: RC-DEO
 TAX MAP 20 -- PARCEL 23

PAUL H. HOGUE
 632/483
 ZONING: RC-DEO
 TAX MAP 20 -- PARCEL 103

WALTER L. HUGHES
 789/085
 ZONING: RC-DEO
 TAX MAP 20 -- PARCEL 22

THEODORE L. MARIANI
 VERONICA B. MARIANI
 4620/38
 ZONING: RC-DEO
 TAX MAP 13 -- PARCEL 277

WARFIELD'S GRANT
 PLATS 11973 - 11974
 ZONING: RC-DEO
 TAX MAP 13 -- PARCEL 128

WARFIELD'S GRANT
 PLAT 9802
 ZONING: RC-DEO
 TAX MAP 13 -- PARCEL 334

WARFIELD'S GRANT
 PLAT 11972
 ZONING: RC-DEO
 TAX MAP 13 -- PARCEL 128

WARFIELD'S GRANT
 PLAT 11043
 ZONING: RC-DEO
 TAX MAP 13 -- PARCEL 338

WARFIELD'S GRANT
 PLAT 11043
 ZONING: RC-DEO
 TAX MAP 13 -- PARCEL 338

WARFIELD'S GRANT
 PLAT 11043
 ZONING: RC-DEO
 TAX MAP 13 -- PARCEL 338

WARFIELD'S GRANT
 PLAT 11043
 ZONING: RC-DEO
 TAX MAP 13 -- PARCEL 338

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