

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

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

July 1, 2003

FSH ASSOCIATES  
8318 FORREST ST  
ELLICOTT CITY, MD 21043

RE: McKENZIE PROPERTY  
APPLICATION S518644  
PROPOSED 3 LOT SUBDIVISION

PROPERTY: McKENZIE PROPERTY  
TAX MAP 35, GRID 21, PARCEL 83

ATTN: MR ZACHARIAH FISCH

Percolation testing conducted on the above property on June 3, 2003, and additional testing on June 30, 2003 found satisfactory soil conditions for 3 proposed SDA sites.

Two additional holes (623 and 624) were tested on June 30, 2003 that were not on the revised June 26, 2003 percolation plan for lot 1; these holes were tested when test hole 614 failed.

The additional holes tested on June 30, 2003 for the proposed lot 2 (619, 620 and 621) and lot 3 (622) were satisfactory. Further review is contingent upon submission by a registered surveyor of a percolation certification plat showing actual locations and elevations of all excavated test holes and a suitable proposed house and well site. The plat should also include the location of all wells and septic systems on the property as well as the location of any other relevant features such as streams, swales, or existing structures. A note must be included certifying that all wells and septic systems within 100 ft of property boundaries have been shown.

This should be submitted within sixty (60) days to allow field verification if necessary. If you have any questions regarding this matter, please feel free to contact me at the above address or by calling 410-313-2640.

Sincerely,

Frank Alfonso, RS

FA/fa

Cc Mr. Leo E. McKenzie

**SUBDIVISION REVIEW PROGRESS**

Subdivision MCKENZIE PROPERTY Scheduled test date(s)  
Property ID: \_\_\_\_\_ 6/3/03  
Street: 6950 PINDELL SCHOOL RD 6/30/03  
Tax Map: 35 Parcel # 83 \_\_\_\_\_  
Owner/developer: \_\_\_\_\_

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**PERCOLATION TEST APPLICATION REVIEW**

- Date received \_\_\_\_\_ Receipt # 518644 Proposed # of lots 3
- Public water and public sewer availability confirmed? \_\_\_\_\_
- Is the property located within 2500 feet of a reservoir? \_\_\_\_\_

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**RECORD OF RECEIPT OF PLANS**

Percolation Certification Plan

- Date plan submitted for review/approval 7/10/03
- Date plan signed by Health Officer 7/14/03
- Standard notes included \_\_\_\_\_
- Project specific notes included \_\_\_\_\_

~~Preliminary Plan~~ Prelim Equiv Sketch Plan

- Date plan submitted for review/approval \_\_\_\_\_
- Date plan signed by Health Officer \_\_\_\_\_
- Standard notes included \_\_\_\_\_
- Project specific notes included \_\_\_\_\_
- Date Groundwater Appropriations permit application submitted to MDE \_\_\_\_\_

Grading Plans/ Road Drawings

- Date plans received by Health Department \_\_\_\_\_

Final Plan

- Date plan submitted for review/approval \_\_\_\_\_
- Date plan signed by Health Officer \_\_\_\_\_
- All notes (standard, location specific) have been properly addressed \_\_\_\_\_
- Groundwater Appropriations Permit number \_\_\_\_\_

11-9-82

C. Williams

6858 Samson Rd.  
Federal Colony

SLOPE

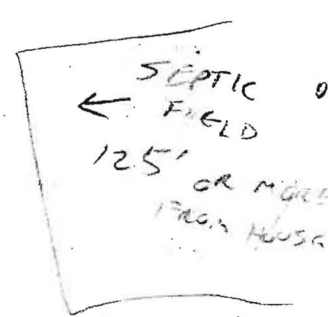
PRIMARY LOCATION  
WELL BETWEEN BUILDING  
AND TELEPHONE POLE  
AT LEAST  
30' FROM  
BUILDING

60 FT  
TO TELEPHONE POLE

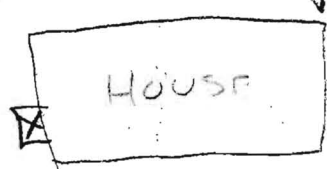


OIL TANK BURIED

22'



OLD HAND DUG



LEVEL AREA

SHADED AREA AS ALTERNATE WELL SITES

POND

LONG DRIVEWAY

SLOPE

RT 32

PINDELL SCHOOL RD



HOWARD COUNTY HEALTH DEPARTMENT

A5 18644

DATE 4/30/2003

Received From

Leo E McKenzies

410-531-5223

6950 Purdell School Rd, Fulton MD, 20759

CASH

CHECK

NO.

5369

For Repair and 2 pieces

lots 1 + 3, McKenzies Prop

lot 2

Existing house

Four hundred seventy-five and 00/100

Dollars

\$ 475 00

Received By

Mary Luggs

FA

RTA

FAST TRACK PLAN

DataBase No. \_\_\_\_\_

HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
Division of Land Development

DATE: 4/4/05

DPZ File No. F-05-146

Department of Planning and Zoning

- 1 Transportation Planning
- 1 Historic Preservation
- 1 Public Service and Zoning Administration
- 1 Research
- 1 Address Coordinator

- 1 Environmental and Community Planning (Ag Pres/Route 1)
- 4 Development Engineering Division
- 2 Other
- 2 File

Agencies

- 1 Soil Conservation District
- 1 Department of Inspections, Licenses & Permits
- 1 Department of Fire and Rescue Services
- 1 State Highway Administration
- 1 ~~Health Department~~
- 1 Public School System
- 1 Recreation and Parks
- 1 WSSC
- 1 MD Aviation Administration

- 1 Tax Assessment
- 2 Verizon
- 2 BGE
- 1 Cable TV
- 1 Police
- 1 MTA
- 1 Finance
- 1 DPW, Real Estate Services
- 1 DPW, Construction and Inspection
- 1 DPW, Bureau of Utilities

RE: MCKENZIE PROP.

ENCLOSED FOR YOUR →          Signature Approval  
THE ENCLOSED →          Original

Review & Comments          Files  
         Pre-Packaged Plan Set

Plans # of Sheets

- Sketch Plan
- Prel Equiv Sketch Plan
- Preliminary Plan
- 22 Final Plat/Plat of Easement/RE Plat 2
- Final Constr Plans (RDS)
- Final Development Plan
- Site Development Plan
- 6 Landscape Plan/Supplemental Plan
- Grading Plan
- House Type Revision/Walk-Thru Red-Line
- Water and Sewer Plan

Supplemental Documents

- 3 Wetlands Report
- Soils/Topo Map/Drain Area Map
- 5 FSD/FCP/Worksheet and Application
- Declaration of Intent (Forest Cons)
- Drainage and/or Computation/Pond Safety Comps
- Preliminary Road Profiles
- APFO Roads Test/Mitigation Plan/Traffic Study
- Noise Study
- Sight Distance Analysis/Speed Flow Study
- Floodplain Study
- 3 Stormwater Management Comps/Geo-Tech Report
- Industrial Waste Survey (DPW) D.I.D. D.E.D. J.C.D.
- Road Poster Form Letter
- Response Letter
- Perc Plat
- Scenic Road Exhibits
- Deeds
- Photographs
- Retaining Wall Comps/Details
- Poster/Community or HDC Meeting Information
- Route 1 Details/Summary

Applications

- Waiver Petition Applic/Exhibit
- Planning Board Application
- ASDP/CSDP Application
- DED Application/Checklist
- DED Fee Receipt/Deeds/Cost Estimate

\* SEE F-04-142 \*

WAS:  Received          Tentatively Approved  
         Received and Revised          Approved

         Recorded On 4/4/05

COMMENTS: 4/13/05 All wells must be drilled prior to final signature ; Plan needs min. bt width statement. (578) SRC/Comments Due By: 4/27/05

Check, initial and return to the Department of Planning and Zoning if plan is approved with no comments.

DPZ STAFF INITIALS DJ

# HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Division of Land Development

DATE: 3/11/04

P&Z File No. F-04-142

**Department of Planning and Zoning**

- Transportation Planning
- Historic Preservation
- Comprehensive Planning and Zoning Administration
- Research
- Address Coordinator

- Agricultural Preservation
- Development Engineering Division
- Forest Conservation Planner
- File

**Agencies**

- Soil Conservation District
- Department of Inspections, Licenses & Permits
- Department of Fire and Rescue Services
- State Highway Administration
- Bureau of Environmental Health
- Board of Education
- Recreation and Parks

- Tax Assessment
- Bell Atlantic Telephone
- BG&E
- Cable TV
- Police
- MTA
- Finance
- DPW, Real Estate Services
- DPW, Construction and Inspection
- DPW, Bureau of Utilities

RE: McKernie Property

ENCLOSED FOR YOUR  Signature Approval  Review & Comments  Files  
 THE ENCLOSED  Original

Plans # of Sheets

- Sketch Plan
- Prel Equiv Sketch Plan
- Preliminary Plan
- 22  Final Plat 2
- Final Constr Plans (RDS)
- Final Development Plan
- Site Development Plan
- Landscape Plan
- Grading Plan
- House Type Revision Plan
- Water and Sewer Plan

Supplemental Documents

- Wetlands Report
- Soils/Topo Map/Drain Area Map
- 5  FSD/FCP/Worksheet and Application 2 DLD, 1DED, 1SED, 1R&P
- Declaration of Intent
- Drainage and/or Computation/Pond Safety Comps
- Preliminary Road Profiles
- APFO Roads Test/Mitigation Plan
- Traffic Study/Noise Study
- 3  Sight Distance Analysis DLD, 2DED
- 3  Floodplain Study DLD, DED, SED
- 3  Stormwater Management Report DLD, DED, SED
- Industrial Waste Survey (DPW)
- Road Poster Form Letter
- Response Letter
- 2  Perc Plat DLD, Health
- Scenic Road Exhibits 2DLD, 1DED, 1SED
- 6  Supplemental 1SHA, 1Health

Applications

- Waiver Petition Applic/Exhibit
- Planning Board Applic
- ASDP/CSDP Application
- DED Application/Checklist
- DED Fee Receipt/Deeds/Cost Estimate

WAS:  Received  Tentatively Approved  
 Received and Revised  Approved

Recorded On 3/11/04

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

SRC/COMMENTS DUE BY: 4/5/04

VFA  
3/16/04  
 Check, initial and return to the Department of Planning and Zoning if plan is approved with no comments.

The image shows a screenshot of an interactive map application. On the left is a vertical toolbar with 15 icons and labels: Read Me, Help Me, Map Reset, Zoom Fit, Find Location, Remove Pin, Layer Control, Image Control, Theme Map, Local Print, Plot Request, Email Map, and Map Exit. The main map area displays a grayscale aerial photograph of a rural landscape with a road labeled 'RD'. Above the map is a control panel with a compass, a zoom slider, an information icon, and a full-screen icon. To the right of these are two input fields: 'Distance: [ ] ft' and 'Zoom: 2911.54 ft'. The map shows a network of roads and fields, with some handwritten-style text overlaid on the image.

Disclaimer: Howard County, Maryland assumes no responsibility for the accuracy of this map or the information derived therefrom. The buyer and/or user assumes all risks and liabilities whatsoever resulting from or arising There are no oral agreements or warranties relating to this sale and/or use of this map.

Wednesday, May 21 2003 | 2:30:35 PM | @813

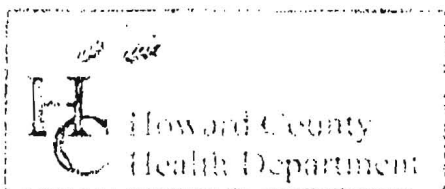
**Contacts:** John Bussiere (x3044) Virginia Peterman (x3659) Yut Phasukyued (x3093) Robert Slivinsky (x3094)

The screenshot displays an interactive map application. On the left side, there is a vertical toolbar with 14 icons and their corresponding labels: Read Me, Help Me, Map Reset, Zoom Fit, Find Location, Remove Pin, Layer Control, Image Control, Theme Map, Local Print, Plot Request, Email Map, and Map Exit. The top of the map area features a control bar with navigation icons (compass, pan, zoom in, zoom out, info, refresh) on the left, a 'Distance:  ft' field in the center, and a 'Zoom:  ft' field on the right. The main map area shows a grayscale aerial photograph of a rural landscape with fields, roads, and a winding stream.

Disclaimer: Howard County, Maryland assumes no responsibility for the accuracy of this map or the information derived therefrom. The buyer and/or user assumes all risks and liabilities whatsoever resulting from or arising There are no oral agreements or warranties relating to this sale and/or use of this map.

Wednesday, May 21 2003 | 9:59:53 AM | @624

**Contacts:** John Bussiere (x3044) Virginia Peterman (x3659) Yut Phasukyued (x3093) Robert Slivinsky (x3094)



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 website: www.hchealth.org

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

TO ALL INTERESTED PARTIES

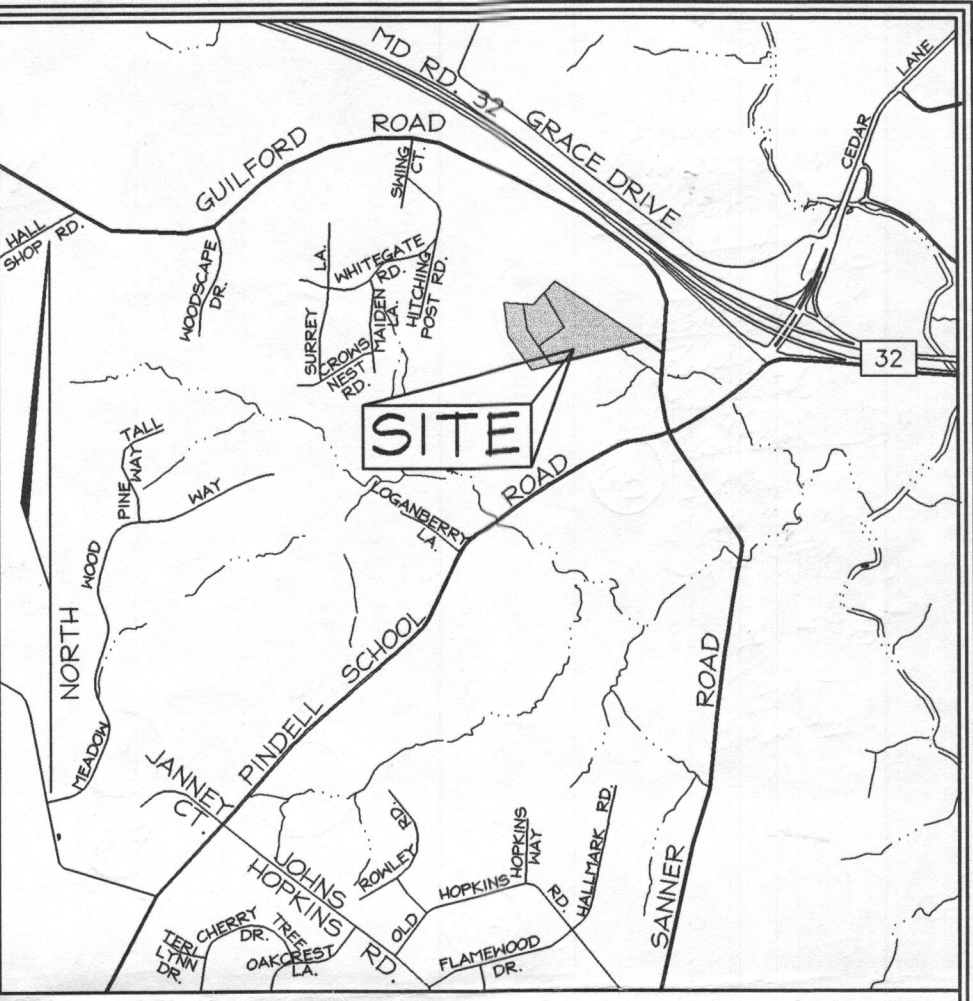
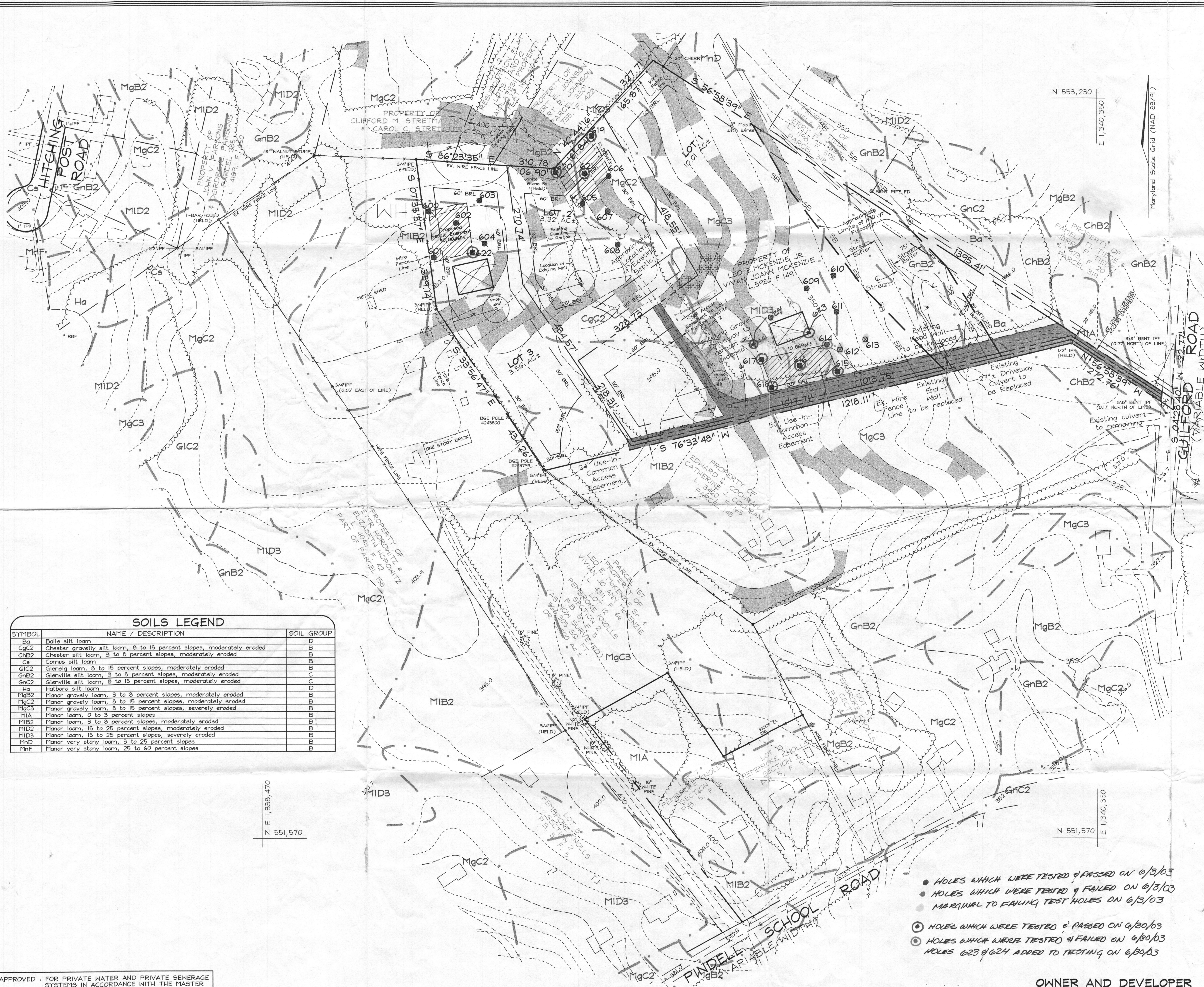
When submitting a well permit application for a proposed well for new construction, please indicate one of the following:

- The well site has been staked by FSH  
 (professional land surveyor or company employing professional land surveyors)  
 on 8-10-04 (date) and does not require a site inspection.
- The well driller, builder or property owner will call the Health Department to schedule a time to meet in the field to verify the proposed well site location.

This sheet, along with two copies of an acceptable well site plan, must be attached to the green well permit application.

Revised 6/10/03

*Leo McKenzie*



VICINITY MAP  
SCALE: 1"=2000'

**LEGEND**

Existing Contour	- - - - - 382
Existing Spot Elevation	382.3
Existing Trees to Remain	
Existing Stream Buffer	SB — SB
Proposed Septic Easement (10,000sf minimum)	
15% or greater slopes	
25% or greater slopes	
Proposed House	
Proposed Perc Test	
Denotes: Well Location	

- GENERAL NOTES**
1. Subject property zoned RR-DEO per Comprehensive Zoning Plan.
  2. Total area of property = 16.894 Ac.±
  3. Private water and sewer will be used within this site.
  4. This area designates a private sewage easement, of at least 10,000 SF, as required by the Maryland State Department of the Environment for individual sewage disposal (COMAR 26.04.03). Improvements of any nature in this area are restricted until public sewage is available. These easements shall become null and void upon connection to a public sewage system. The County Health Officer shall have the authority to grant adjustments to the private sewage easement. Recordation of a modified sewage easement shall not be necessary.
  5. All wells and septic fields within 100' of property's boundary have been shown where pertinent.
  6. Topography is based on Howard County 1998 Aerial Topographic Surveys with five foot contours.
  7. All wells to be drilled prior to submittal of record plat for signature.
  8. Number of proposed lots: 3
  9. Previous Owner: Rodney L. Boyer
  10. Address of Existing House: 6648 Sanner Road, Clarksville, MD 21029

**SOILS LEGEND**

SYMBOL	NAME / DESCRIPTION	SOIL GROUP
Ba	Balle silt loam	D
CgC2	Chester gravelly silt loam, 8 to 15 percent slopes, moderately eroded	B
ChB2	Chester silt loam, 3 to 8 percent slopes, moderately eroded	B
Cs	Cornus silt loam	B
GIC2	Glencig loam, 8 to 15 percent slopes, moderately eroded	B
GnB2	Glenville silt loam, 3 to 8 percent slopes, moderately eroded	C
GnC2	Glenville silt loam, 8 to 15 percent slopes, moderately eroded	C
Ha	Hatboro silt loam	D
HgB2	Manor gravelly loam, 3 to 8 percent slopes, moderately eroded	B
MgC2	Manor gravelly loam, 8 to 15 percent slopes, moderately eroded	B
MgC3	Manor gravelly loam, 8 to 15 percent slopes, severely eroded	B
MIA	Manor loam, 0 to 3 percent slopes	B
MIB2	Manor loam, 3 to 8 percent slopes, moderately eroded	B
MID2	Manor loam, 15 to 25 percent slopes, moderately eroded	B
MID3	Manor loam, 15 to 25 percent slopes, severely eroded	B
MnD	Manor very stony loam, 3 to 25 percent slopes	B
MnF	Manor very stony loam, 25 to 60 percent slopes	B

- HOLES WHICH WERE TESTED & PASSED ON 6/3/03
- HOLES WHICH WERE TESTED & FAILED ON 6/3/03
- MARGINAL TO FAILING TEST HOLES ON 6/3/03
- ⊙ HOLES WHICH WERE TESTED & PASSED ON 6/30/03
- ⊙ HOLES WHICH WERE TESTED & FAILED ON 6/30/03
- HOLES 623 & 624 ADDED TO TESTING ON 6/30/03

REVISED PLAN SUBMITTED 6/26/03 FOR TESTING

PERCOLATION TEST CERTIFICATION PLAN  
McKENZIE PROPERTY

TAX MAP 35, GRID 21, PARCEL 83, L. 5980, F. 149  
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

**OWNER AND DEVELOPER**

LEO E. MCKENZIE SR.  
6950 Pindell School Road  
Fulton, Maryland 20759-9718

**FSH Associates**

Engineers Planners Surveyors  
8318 Forest Street, Ellicott City, MD 21043  
Tel: 410-750-2251 Fax: 410-750-7350  
E-mail: FSHAssociates@fsh.com

DESIGN BY: N/A  
DRAWN BY: GS  
CHECKED BY: ZYF  
SCALE: 1"=100'  
DATE: May 29, 2003  
W.O. No.: 3111  
SHEET No. 1 OF 1

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

COUNTY HEALTH OFFICER HOWARD COUNTY HEALTH DEPARTMENT

DATE



### U.S. EQUIVALENT COORDINATE TABLE

POINT	NORTHING	EASTING
81	552,397.5210	1,339,104.2957
82	553,315.0776	1,339,354.5526
83	552,554.6262	1,340,524.5444
84	552,531.9283	1,340,522.7669
101	552,680.5760	1,340,294.0650
142	552,757.7654	1,338,866.7988
163	553,093.9337	1,338,821.9832
174	553,074.3823	1,339,132.1516

### METRIC EQUIVALENT COORDINATE TABLE

POINT	NORTHING	EASTING
81	168,371.1011	408,161.3297
82	168,650.7730	408,236.0841
83	168,418.9869	408,592.6983
84	168,412.0686	408,592.1565
101	168,457.3765	408,522.4481
142	168,480.9039	408,087.4164
163	168,583.3682	408,073.7566
174	168,577.4089	408,168.2961

### MINIMUM LOT SIZE CHART

LOT NUMBER	GROSS AREA (sf)	PIPESTEM AREA (sf)	MINIMUM LOT SIZE
1	10.05 Ac±	0.04 Ac±	10.01 Ac±
2	6.83 Ac±	0.44 Ac±	6.39 Ac±

General Notes continued...

width of 20' instead of 24' minimum. 16.120 (b)(4)(iii)b to allow environmental features (wetlands, streams, floodplain) and their required buffers on residential lots less than 10 Acres in size for proposed lots 1 and 2. Subject to the following conditions.

- All grading associated with the use-in-common driveway construction within the floodplain, stream and wetlands and their buffer is subject to obtaining all necessary water quality permits from Maryland Department of The Environment.
- All grading within floodplain, stream wetland and their buffers shall be minimized in compliance with a grading plan approved by the Howard Soil Conservation District.
- Submittal of a final plan. The upgraded driveway shall follow the existing driveway location.

20. Existing Dwelling on lot No. 2 to remain.

The Requirements § 3-108, The Real Property Article, Annotated Code of Maryland, 1999 Replacement Volume, (As supplemented) as far as they relate to the making of this Plat and the Setting of Markers have been complied with.

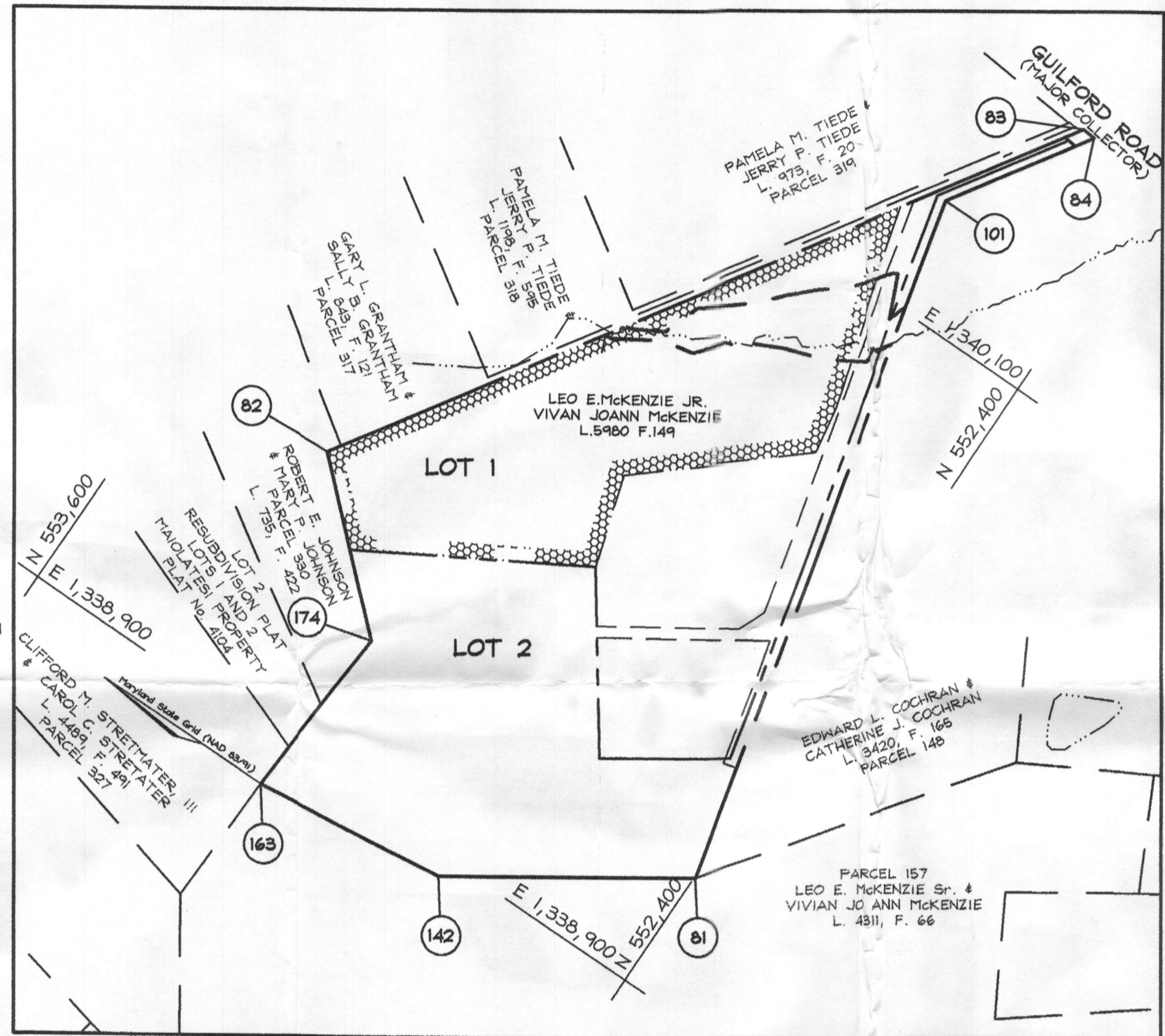
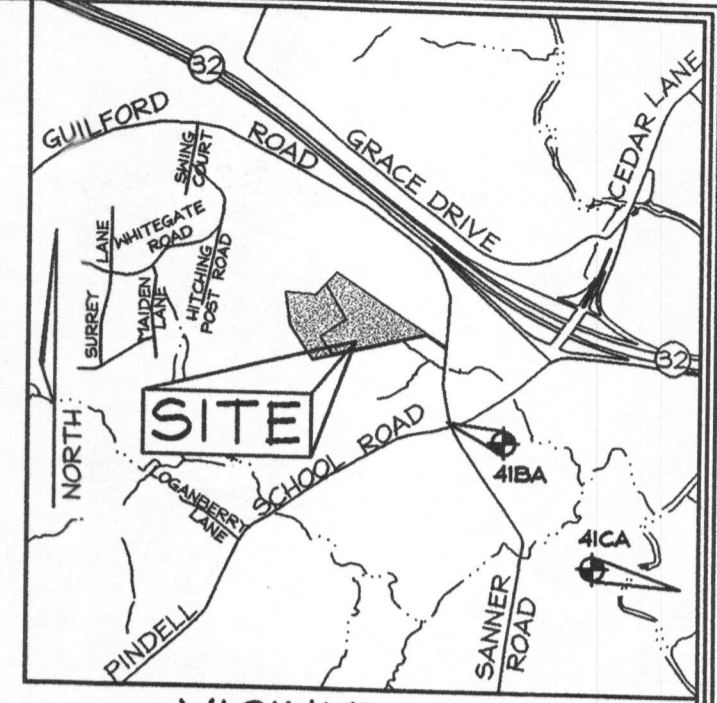
C. Brooke Miller (Maryland Property Line Surveyor #135) \_\_\_\_\_ Date \_\_\_\_\_

Leo E. McKenzie, Trustee \_\_\_\_\_ Date \_\_\_\_\_

Vivian JoAnn McKenzie, Trustee \_\_\_\_\_ Date \_\_\_\_\_

### Reservation Of Public Utility And Forest Coservation Easements

"Developer reserves unto itself, its successors and assigns, all easements shown on this plan for water, sewer, storm drainage, other public utilities and forest conservation (designated as "Forest Conservation Area") located in, on, over, and through lots 1 & 2, any conveyances of the aforesaid lots shall be subject to easements herein reserved, whether or not expressly stated in deed(s) conveying said lot(s). Developer shall execute and deliver deeds for easements herein reserved to Howard County, with a Metes and Bounds Description of forest conservation area, upon completion of the public utilities and their acceptance by Howard County, and, in the case of the forest conservation easement(s), upon completion of the Developer's obligation under the Forest Conservation Installation and Maintenance Agreement executed by Developer and the county, and the release of Developer's surety posted with said agreement, the county shall accept the easements and record the deed(s) of easement in the land records of Howard County."



- ### GENERAL NOTES
- Subject property zoned RR-DEO per 2/2/04 Comprehensive Zoning Plan.
  - Coordinates based on NAD '83, Maryland Coordinate System as projected by Howard County, Geodetic Control Stations no. 41ba and no. 41ca. ♦ Denotes approximate location (see location map).
 

Sta. 41BA	N 168,185.7680 m.	E 408,590.7607 m.	Elev. 104.6388 m.
	N 551,789.473 ft	E 1,340,518.187 ft	Elev. 343.302 ft
Sta. 41CA	N 167,678.391 m.	E 409,335.3113 m.	Elev. 90.2164 m.
	N 550,124.854 ft	E 1,342,960.933 ft	Elev. 295.985 ft
  - Denotes iron pipe found.
  - Denotes rebar and cap set.
  - Denotes concrete monument/stone found.
  - Denotes concrete monument set.
  - Denotes Public Forest Conservation Easement. The Forest Conservation Easement has been established to fulfill the requirements of Section 16.1200 of the Howard County Code and Forest Conservation Act. No clearing, grading or construction is permitted within the Forest Conservation Easement; however, Forest Management Practices as defined in the Deed of Forest Conservation Easements are allowed.
  - Denotes Wetland Areas. Wetland areas delineated by Exploration Research Inc.
  - W — Denotes Wetland Area outline.
  - — — Denotes existing centerline of Stream Channel.
  - WB — Denotes Wetland Buffer outline.
  - SB — Denotes Stream Buffer outline.
  - ▨ This area designates a private sewage easement of at least 10,000 square feet as required by the Maryland State Department of the Environment for individual sewage disposal (COMAR 26.04.03). Improvements of any nature in this area are restricted until public sewage is available. These easements shall become null and void upon connection to a public sewage system. The County Health Officer shall have the authority to grant adjustments to the private sewage easement. Recordation of a modified sewage easement shall not be necessary.
  - BRL Denotes Building Restriction Line.
  - This plat is based on field run Monumented Boundary Survey performed on or about October 1, 2002 By C.B. Miller and Associates, Inc. All lot areas are more or less (+/-).
  - For flag or pipestem lots, refuse collection, snow removal and road maintenance are provided to the junction of the flag or pipestem and road right-of-way line and not to the pipestem lot driveway.
  - Driveway(s) shall be provided prior to issuance of a use and occupancy permit to ensure safe access for fire and emergency vehicles per the following requirements:
    - Width - 12 feet (14 feet serving more than one residence);
    - Surface - six (6") inches of compacted crusher run base with tar and chip coating (1-1/2' Minimum);
    - Geometry - Maximum 15% grade, Maximum 10% grade change and 45-foot turning radius;
    - Structures (culverts/bridges) - capable of supporting 25 gross tons (H25-loading);
    - Drainage elements - capable of safely passing 100 year flood with no more than 1 foot depth over surface;
    - Structure clearances - minimum 12 Feet;
    - Maintenances - sufficient to ensure all weather use
  - Distances shown are based on surface measurement and not reduced to NAD '83 grid measurement.
  - This plat is subject to waiver petition WP-03-38. On March 14, 2003 the planning Director approved waivers from sections 16.115(c)(2) to allow clearing, excavating, filling, altering drainage placing impervious paving and drainage structures in the 100 yr. Floodplain. 16.116(a)(1)&(2) to allow grading paving and removal of vegetative cover within wetland streams and their buffers. 16.120(c)(2)(iii) to allow the pipestems to have a collective
- See this sheet for continuation...

### AREA TABULATION CHART

- Total number of Buildable Lots to be recorded: 2  
Total area of Buildable Lots to be recorded: 16.88 Acres±
- Total area of road widening to be recorded: 0.01 Acres±
- Total area of subdivision to be recorded: 16.89 Acres±

Howard County Health Department  
APPROVED: For Private Water and Sewerage Systems

Howard County Health Officer \_\_\_\_\_ Date \_\_\_\_\_

APPROVED: Howard County Department of Planning and Zoning

Chief, Development Engineering Division \_\_\_\_\_ Date \_\_\_\_\_

Director \_\_\_\_\_ Date \_\_\_\_\_

### OWNER'S CERTIFICATE

We, Leo E. McKenzie Sr., Trustee of the Leo E. McKenzie Sr., Living trust dated September 17, 1997 and Vivian JoAnn McKenzie, Trustee of the Vivian JoAnn McKenzie Living trust Dated September 17, 1997 owners of the property shown and described hereon, hereby adopt this plan of subdivision, and in consideration of the approval of this final plat by the Department of Planning and Zoning, establish the minimum building restriction lines and grant unto Howard County, Maryland, its successors and assigns: (1) The right to lay, construct and maintain sewers, drains, water pipes and other Municipal utilities and services in and under all road and street Rights-of-Way and the specific easement areas shown hereon; (2) The right to require dedication for Public use the beds of the streets and/or roads and Floodplains and Open Space where applicable and for good and other valuable consideration hereby grant the right and option to Howard County to acquire the Fee Simple Title to the beds of the streets and/or roads and Floodplains and Open Space where applicable; (3) The right to require dedication of Waterways, Storm Drainage Facilities and Open Space where applicable; construction, repair and maintenance; And (4) That no building or similar structure of any kind shall be erected on or over said Easements and Rights-of-Way.

Witness my hand this \_\_\_\_\_ day of \_\_\_\_\_, 200 .

Leo E. McKenzie Sr. Trustee \_\_\_\_\_ Witness \_\_\_\_\_

Vivian JoAnn McKenzie Trustee \_\_\_\_\_ Witness \_\_\_\_\_

### SURVEYOR'S CERTIFICATE

I hereby certify that the final plat shown hereon is correct; that it is a subdivision of all of the lands conveyed by Rodney L. Boyer and Elsie V. Boyer to Leo E. McKenzie Sr., Trustee of the Leo E. McKenzie Sr. Living trust dated September 17, 1997 and Vivian JoAnn McKenzie, Trustee of the Vivian JoAnn McKenzie Living trust dated September 17, 1997 by deed dated January 28, 2002 and recorded in the land records of Howard County in Liber 5980, folio 149, and that all monuments are in place or will be in place prior to the acceptance of the streets in the subdivision by Howard County as shown, in accordance with the Annotated Code of Maryland, as amended.

C. Brooke Miller (Maryland Property Line Surveyor #135) \_\_\_\_\_ Date \_\_\_\_\_

Recorded as Plat No. \_\_\_\_\_ on \_\_\_\_\_  
Among the Land Records of Howard County, Maryland.

### SUBDIVISION PLAT OF McKENZIE PROPERTY

LOTS 1 AND 2

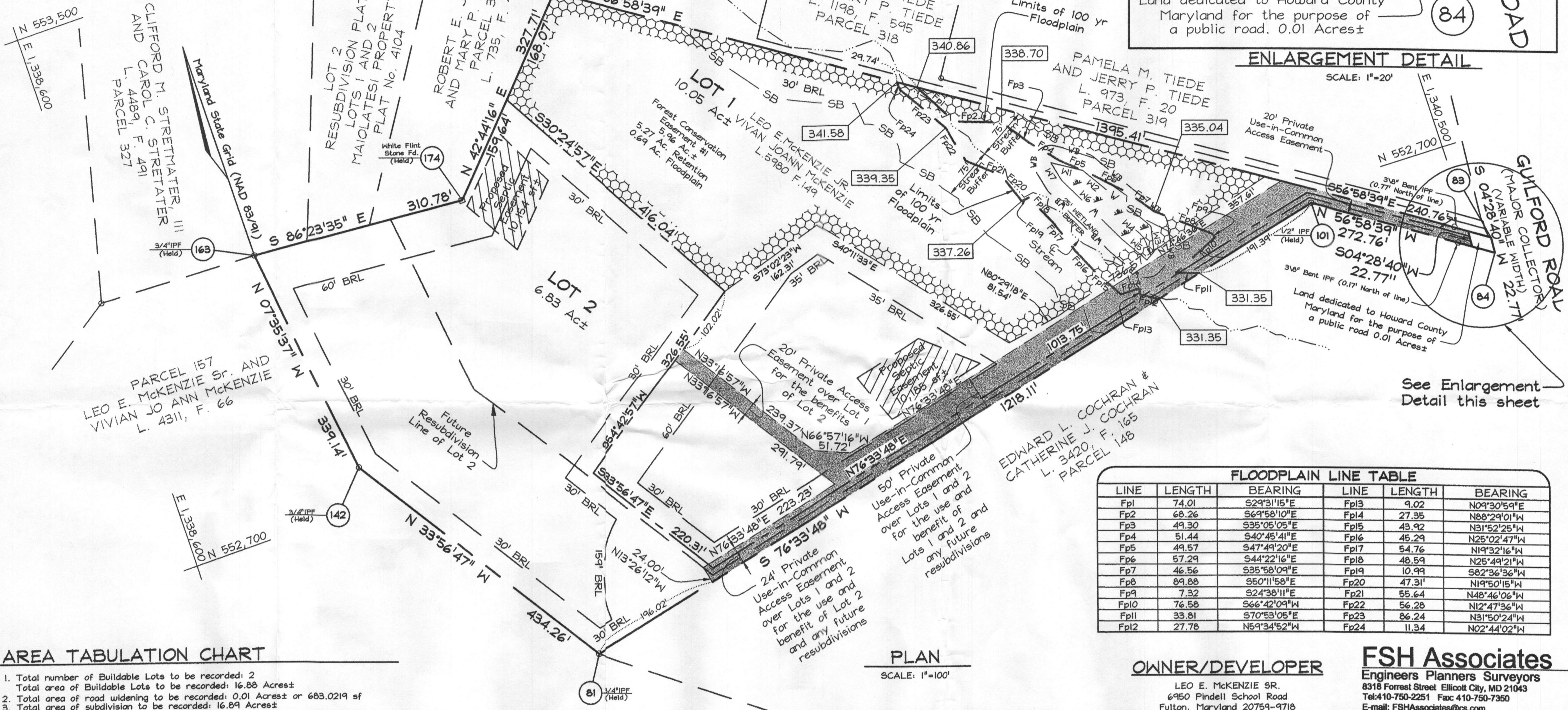
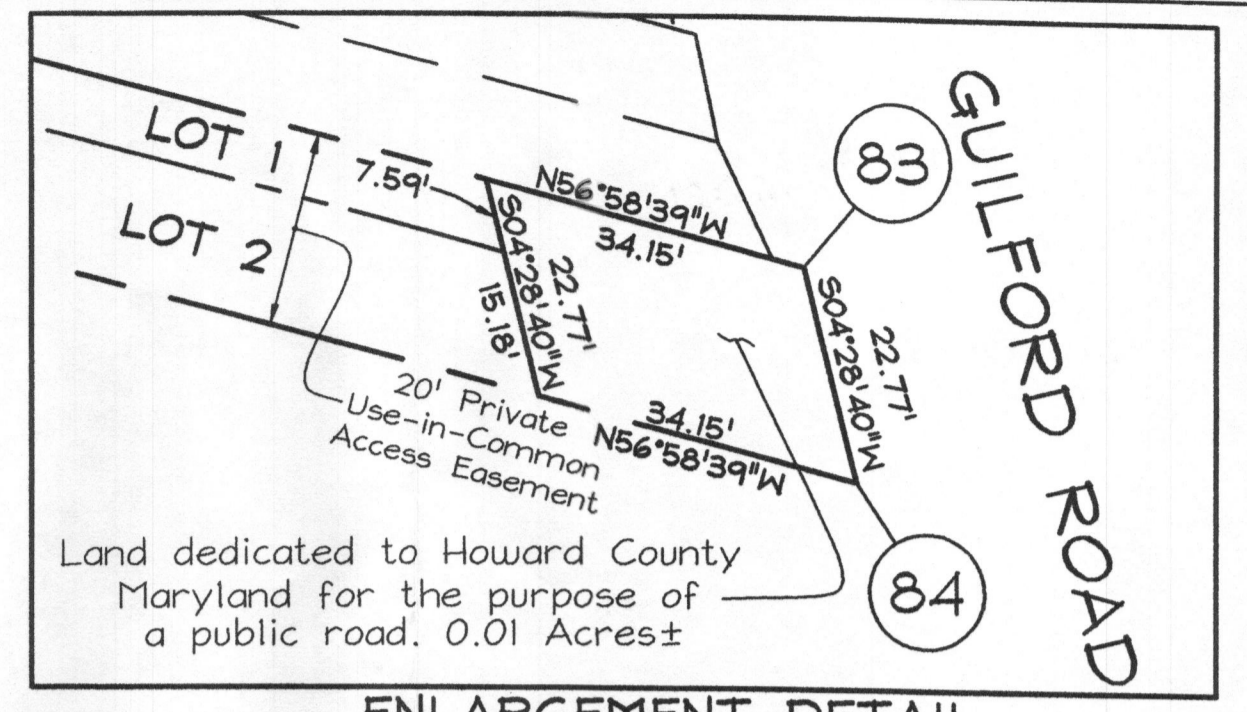
TAX MAP 35 GRID 21  
PARCEL 83  
L. 5980, F. 149

5TH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
Scale: as shown  
Date: March 4, 2004  
Sheet 1 of 2

**OWNER/DEVELOPER**  
LEO E. MCKENZIE SR.  
6450 Pindell School Road  
Fulton, Maryland 20754-9718

**FSH Associates**  
Engineers Planners Surveyors  
8318 Forrest Street Ellicott City, MD 21043  
Tel: 410-750-2251 Fax: 410-750-7350  
E-mail: FSHAssociates@cs.com

WETLAND LINE TABLE		
LINE	LENGTH	BEARING
W1	47.22	S57°42'35"E
W2	126.96	S31°50'06"E
W3	37.19	S11°38'55"W
W4	15.76	S59°27'52"W
W5	46.79	N31°23'30"W
W6	121.27	N26°54'21"W
W7	30.15	N12°32'30"W



**AREA TABULATION CHART**

- Total number of Buildable Lots to be recorded: 2  
Total area of Buildable Lots to be recorded: 16.88 Acres±
- Total area of road widening to be recorded: 0.01 Acres± or 683,021.9 sf
- Total area of subdivision to be recorded: 16.89 Acres±

FLOODPLAIN LINE TABLE					
LINE	LENGTH	BEARING	LINE	LENGTH	BEARING
Fp1	74.01	S29°31'15"E	Fp13	9.02	N09°30'59"E
Fp2	68.26	S69°58'10"E	Fp14	27.95	N88°29'01"W
Fp3	49.30	S35°05'05"E	Fp15	43.92	N31°52'25"W
Fp4	51.44	S40°45'41"E	Fp16	46.29	N25°02'47"W
Fp5	49.57	S47°49'20"E	Fp17	54.76	N19°32'16"W
Fp6	57.29	S44°22'16"E	Fp18	48.59	N25°49'21"W
Fp7	46.56	S35°58'09"E	Fp19	10.99	S82°36'36"W
Fp8	89.88	S50°11'58"E	Fp20	47.31	N19°50'15"W
Fp9	7.32	S24°38'11"E	Fp21	55.64	N48°46'06"W
Fp10	76.58	S66°42'09"W	Fp22	56.28	N12°47'36"W
Fp11	33.81	S70°53'05"E	Fp23	86.24	N31°50'24"W
Fp12	27.78	N59°34'52"W	Fp24	11.34	N02°44'02"W

Howard County Health Department  
APPROVED: For Private Water and Sewerage Systems

Howard County Health Officer \_\_\_\_\_ Date \_\_\_\_\_

APPROVED: Howard County Department of Planning and Zoning

Chief, Development Engineering Division \_\_\_\_\_ Date \_\_\_\_\_

Director \_\_\_\_\_ Date \_\_\_\_\_

**OWNER'S CERTIFICATE**

We, Leo E. McKenzie Sr., Trustee of the Leo E. McKenzie Sr., Living trust dated September 17, 1997 and Vivian JoAnn McKenzie, Trustee of the Vivian JoAnn McKenzie Living Trust Dated September 17, 1997 owners of the property shown and described hereon, hereby adopt this plan of subdivision, and in consideration of the approval of this final plat by the Department of Planning and Zoning, establish the minimum building restriction lines and grant unto Howard County, Maryland, its successors and assigns: (1) The right to lay, construct and maintain sewers, drains, water pipes and other Municipal utilities and services in and under all road and street Rights-of-Way and the specific easement areas shown hereon; (2) The right to require dedication for Public use the beds of the streets and/or roads and Floodplains and Open Space where applicable and for good and other valuable consideration hereby grant the right and option to Howard County to acquire the Fee Simple Title to the beds of the streets and/or roads and Floodplains, Storm Drainage Facilities and Open Space where applicable; (3) The right to require dedication of Waterways and Drainage easements for the specific purpose of their construction, repair and maintenance; And (4) That no building or similar structure of any kind shall be erected on or over said Easements and Rights-of-Way.

Witness my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2004.

Leo E. McKenzie Sr. Trustee \_\_\_\_\_ Witness \_\_\_\_\_

Vivian JoAnn McKenzie Trustee \_\_\_\_\_ Witness \_\_\_\_\_

**SURVEYOR'S CERTIFICATE**

I hereby certify that the final plat shown hereon is correct; that it is a subdivision of all of the lands conveyed by Rodney L. Boyer and Elsie V. Boyer to Leo E. McKenzie Sr., Trustee of the Leo E. McKenzie Sr. Living trust dated September 17, 1997 and Vivian JoAnn McKenzie, Trustee of the Vivian JoAnn McKenzie Living Trust dated September 17, 1997 by deed dated January 28, 2002 and recorded in the land records of Howard County in liber 5980, folio 149, and that all monuments are in place or will be in place prior to the acceptance of the streets in the subdivision by Howard County as shown, in accordance with the Annotated Code of Maryland, as amended.

C. Brooke Miller (Maryland Property Line Surveyor #135) \_\_\_\_\_ Date \_\_\_\_\_

Recorded as Plat No. \_\_\_\_\_ on \_\_\_\_\_  
Among the Land Records of Howard County, Maryland.

**SUBDIVISION PLAT OF**  
**McKENZIE PROPERTY**

LOTS 1 AND 2

TAX MAP 35 GRID 21  
PARCEL 83  
L. 5980, F. 149  
5TH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
Scale: As shown  
Date: March 4, 2004  
Sheet 2 of 2

**U.S. EQUIVALENT COORDINATE TABLE**

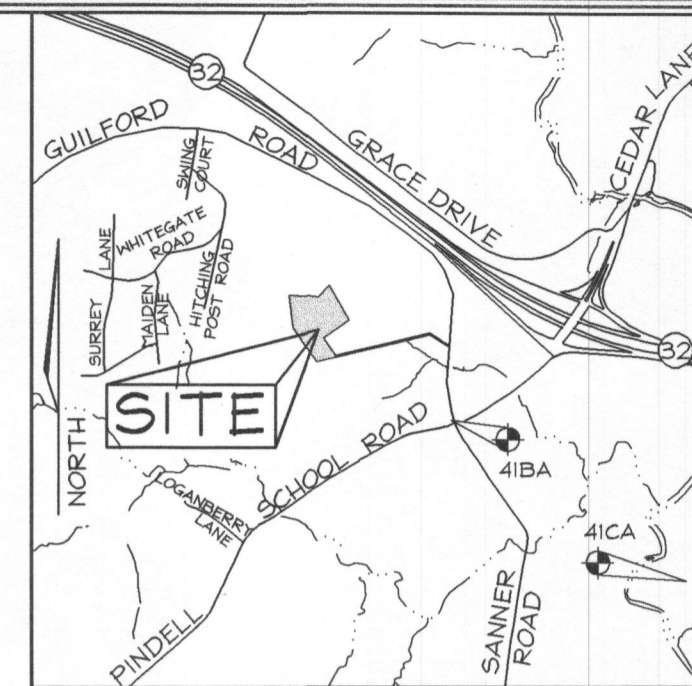
POINT	NORTHING	EASTING
81	552,397.5210	1,339,109.2957
87	552,696.8790	1,340,293.4484
88	553,191.4822	1,339,240.3512
89	552,832.7009	1,339,450.9808
90	552,644.0758	1,339,184.4197
91	552,461.3118	1,339,307.4464
92	552,573.2375	1,340,495.9100
93	552,550.5396	1,340,494.1325
101	552,680.5760	1,340,294.0650
142	552,757.7654	1,338,866.7988
163	553,093.9337	1,338,821.9832
174	553,074.3823	1,339,132.1516

The Requirements § 3-108, The Real Property Article, Annotated Code of Maryland, 1999 Replacement Volume, (As supplemented) as far as they relate to the making of this Plat and the Setting of Markers have been complied with.

C. Brooke Miller (Maryland Property Line Surveyor #135) \_\_\_\_\_ Date \_\_\_\_\_  
 Leo E. McKenzie Sr., Trustee \_\_\_\_\_ Date \_\_\_\_\_  
 Vivian JoAnn McKenzie, Trustee \_\_\_\_\_ Date \_\_\_\_\_

**Reservation Of Public Utility And Forest Coservation Easements**

"Developer reserves unto itself, its successors and assigns, all easements shown on this plan for water, sewer, storm drainage, other public utilities and forest conservation (designated as "Forest Conservation Area") located in, on, over, and through lots 3 & 4 any conveyances of the aforesaid lots shall be subject to easements herein reserved, whether or not expressly stated in deed(s) conveying said lot(s). Developer shall execute and deliver deeds for easements herein reserved to Howard County, with a Metes and Bounds Description of forest conservation area, upon completion of the public utilities and their acceptance by Howard County, and, in the case of the forest conservation easement(s), upon completion of the Developer's obligation under the Forest Conservation Installation and Maintenance Agreement executed by Developer and the county, and the release of Developer's surety posted with said agreement, the county shall accept the easements and record the deed(s) of easement in the land records of Howard County."



**VICINITY MAP**

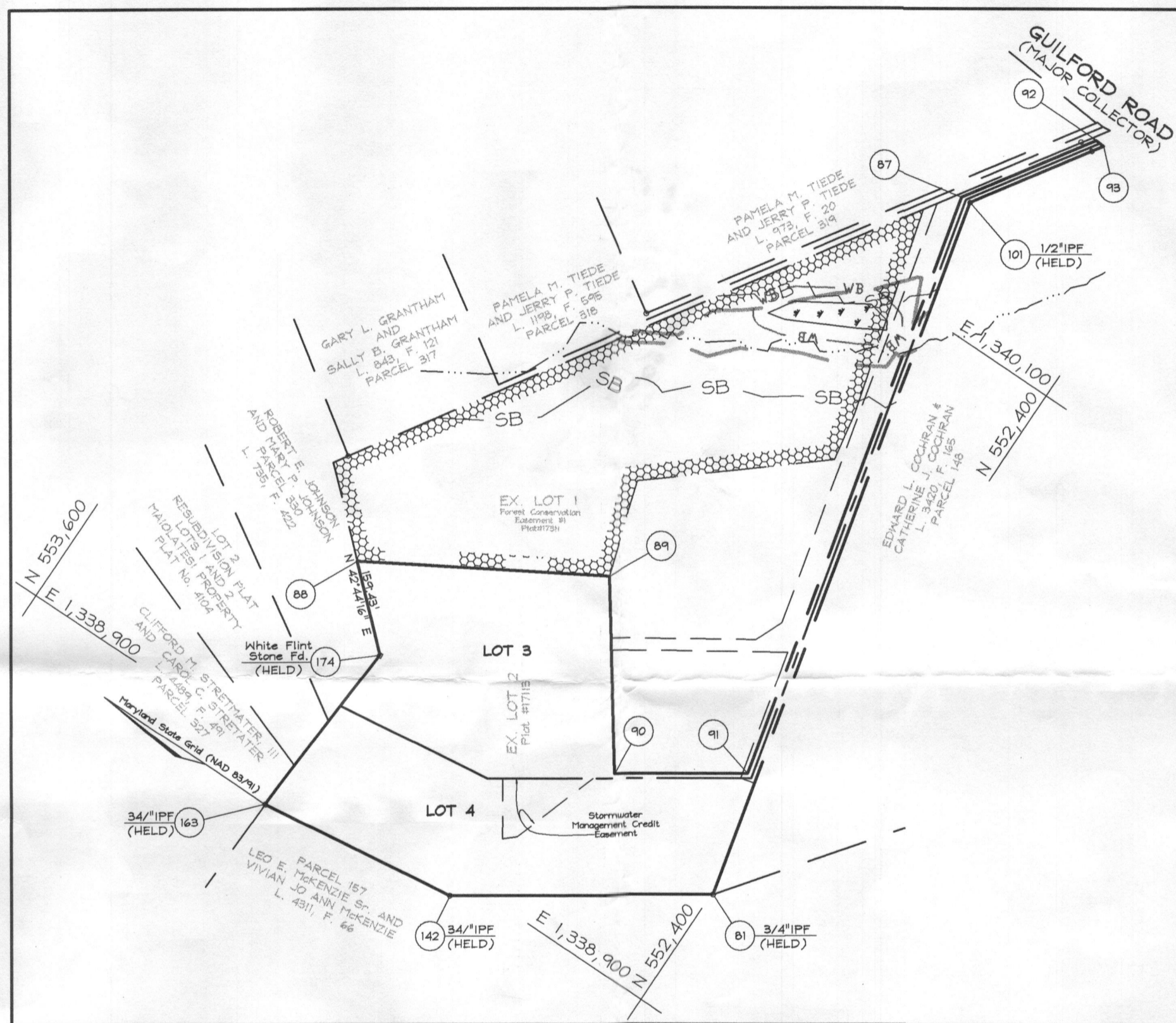
SCALE: 1"=200'

**MINIMUM LOT SIZE CHART**

LOT NUMBER	GROSS AREA	PIPESTEM AREA	MINIMUM LOT SIZE
3	3.28 Ac±	0.26 Ac±	3.02 Ac±
4	3.56 Ac±	0.22 Ac±	3.34 Ac±

**GENERAL NOTES**

- Subject property zoned RR-DEO per 2/2/04 Comprehensive Zoning Plan.
- Coordinates based on NAD '83, Maryland Coordinate System as projected by Howard County. Geodetic Control Stations no. 41ba and no. 41ca. ♦ Denotes approximate location (see location map).  
 Sta. 41BA N 168,185.7680 m. E 408,590.7607 m. Elev. 104.6388 m.  
 N 551,789.473 ft E 1,340,518.187 ft Elev. 343.302 ft  
 Sta. 41CA N 167,678.391 m. E 409,335.3113 m. Elev. 90.2164 m.  
 N 550,124.854 ft E 1,342,960.933 ft Elev. 295.985 ft
- Denotes iron pipe found.
- Denotes rebar and cap set.
- Denotes concrete monument/stone found.
- Denotes concrete monument set.
- Denotes Wetland Areas. Wetland areas delineated by Exploration Research Inc.
- Denotes Wetland Area outline.
- Denotes existing centerline of Stream Channel.
- Denotes Wetland Buffer outline.
- Denotes Stream Buffer outline.
- This area designates a private sewage easement of at least 10,000 square feet as required by the Maryland State Department of the Environment for individual sewage disposal (COMAR 26.04.03). Improvements of any nature in this area are restricted until public sewage is available. These easements shall become null and void upon connection to a public sewage system. The County Health Officer shall have the authority to grant adjustments to the private sewage easement. Recordation of a modified sewage easement shall not be necessary.
- BRL Denotes Building Restriction Line.
- This plat is based on field run Monumented Boundary Survey performed on or about October 1, 2002 By FSH Associates. All lot areas are more or less (+/-).
- For flag or pipestem lots, refuse collection, snow removal and road maintenance are provided to the junction of the flag or pipestem and road right-of-way line and not to the pipestem lot driveway.
- Driveway(s) shall be provided prior to issuance of a use and occupancy permit to ensure safe access for fire and emergency vehicles per the following requirements:  
 A) Width - 12 feet (14 feet serving more than one residence);  
 B) Surface - six (6") inches of compacted crusher run base with tar and chip coating (1-1/2' Minimum);  
 C) Geometry - Maximum 15% grade, Maximum 10% grade change and 45-foot turning radius;  
 D) Structures (culverts/bridges) - capable of supporting 25 gross tons (H25-loading);  
 E) Drainage elements - capable of safely passing 100 year flood with no more than 1 foot depth over surface;  
 F) Structure clearances - minimum 12 Feet;  
 G) Maintenances - sufficient to ensure all weather use
- Distances shown are based on surface measurement and not reduced to NAD '83 grid measurement.
- Existing Dwelling on lot No. 3 to remain. No new buildings, extensions or additions to the existing dwelling are to be constructed at a distance less than the zoning regulations.
- This plat is subject to the amended fifth edition of Howard County subdivision and Land Development Regulations.
- This plat is subject to waiver petition WP-03-83. On March 14, 2003 the Planning Director approved waivers from sections 16.115(c)(2) to allow clearing, excavating, filling, altering drainage placing impervious paving and drainage structures in the 100 yr. Floodplain. 16.116(a)(1)&(2) to allow grading paving and removal of vegetative cover within wetland streams and their buffers. 16.120(c)(2)(iii) to allow the pipestems to have a collective
- Stormwater Management is provided as follows: WQv and Rev is provided by Rooftop and Non-rooftop disconnects and by sheet flow to buffer credit. This site is exempt from CPV requirements.



**LOCATION MAP**

SCALE: 1"=200'

GENERAL NOTES Continued...

- Landscape obligations for lots 1, 3, and 4 were met under F-04-142.
- Forest conservation obligations are met by retention of 2.81 Ac of forest on lots 3 and 4.

**AREA TABULATION CHART**

- Total number of Buildable Lots to be recorded: 2  
 Total area of Buildable Lots to be recorded: 6.84 Acres±
- Total area of resubdivision to be recorded: 6.84 Acres±

Howard County Health Department  
 APPROVED: For Private Water and Sewerage Systems

\_\_\_\_\_  
 Howard County Health Officer Date \_\_\_\_\_

APPROVED: Howard County Department of Planning and Zoning

\_\_\_\_\_  
 Chief, Development Engineering Division Date \_\_\_\_\_

\_\_\_\_\_  
 Director Date \_\_\_\_\_

**OWNER'S CERTIFICATE**

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Witness my hand this \_\_\_\_\_ day of \_\_\_\_\_, 200 .

\_\_\_\_\_  
 Leo E. McKenzie Sr., Trustee Witness \_\_\_\_\_

\_\_\_\_\_  
 Vivian JoAnn McKenzie, Trustee Witness \_\_\_\_\_

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 C. Brooke Miller (Maryland Property Line Surveyor #135) Date \_\_\_\_\_

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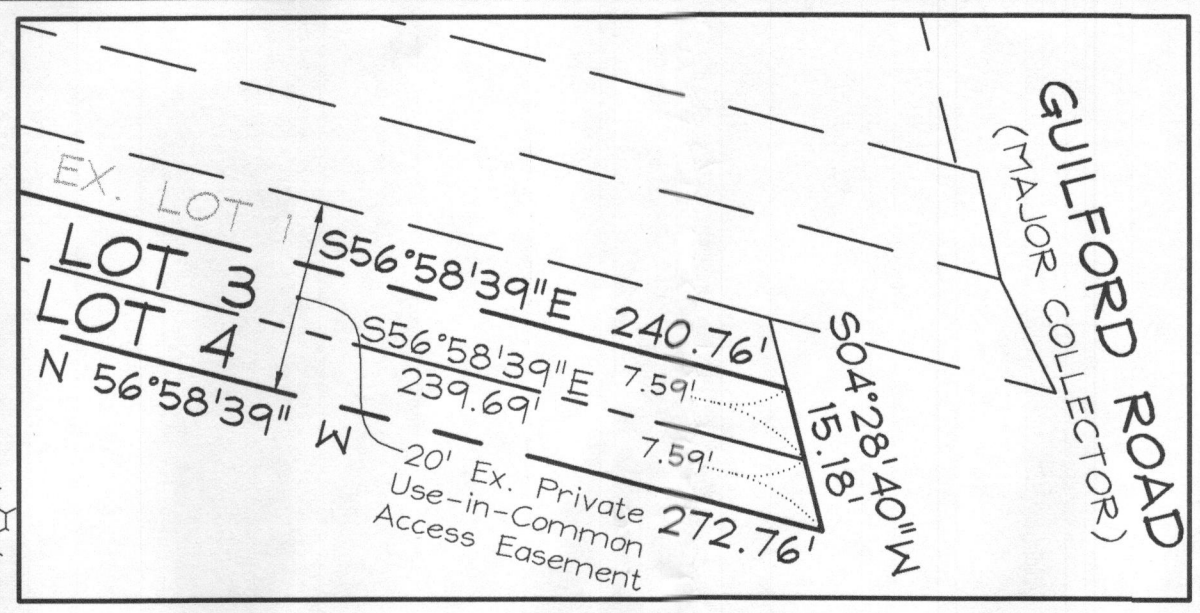
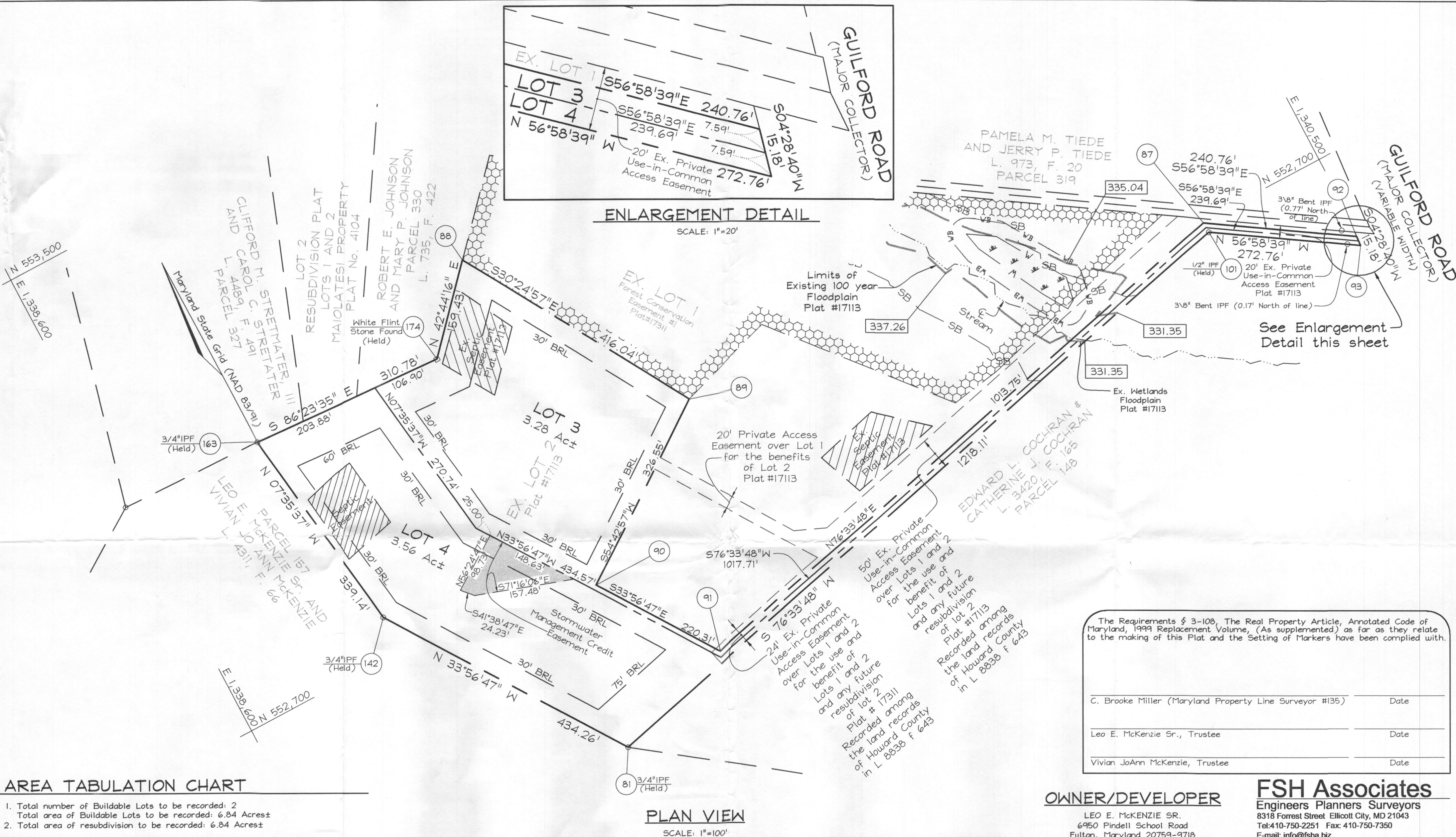
LEO E. MCKENZIE SR.  
 6950 Pindell School Road  
 Fulton, Maryland 20759-9718

**FSH Associates**

Engineers Planners Surveyors  
 8318 Forrest Street Ellicott City, MD 21043  
 Tel: 410-750-2251 Fax: 410-750-7350  
 E-mail: info@fsha.biz

Recorded as Plat No. \_\_\_\_\_ on \_\_\_\_\_  
 Among the Land Records of Howard County, Maryland.

**SUBDIVISION PLAT OF**  
**McKENZIE PROPERTY**  
 LOTS 3 AND 4  
 (A RESUBDIVISION OF LOT 2 McKENZIE  
 PROPERTY PLAT #17311)  
 TAX MAP 35 GRID 21  
 PARCEL 83  
 L. 5980, F. 149  
 5TH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 Scale: As Shown  
 Date: April 4, 2005  
 Sheet 1 of 2  
 F-04-142



The Requirements § 3-108, The Real Property Article, Annotated Code of Maryland, 1999 Replacement Volume, (As supplemented) as far as they relate to the making of this Plat and the Setting of Markers have been complied with.

C. Brooke Miller (Maryland Property Line Surveyor #135) \_\_\_\_\_ Date \_\_\_\_\_

Leo E. McKenzie Sr., Trustee \_\_\_\_\_ Date \_\_\_\_\_

Vivian JoAnn McKenzie, Trustee \_\_\_\_\_ Date \_\_\_\_\_

**AREA TABULATION CHART**

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- Total area of resubdivision to be recorded: 6.84 Acres±

**PLAN VIEW**  
SCALE: 1"=100'

**OWNER/DEVELOPER**  
LEO E. MCKENZIE SR.  
6950 Pindell School Road  
Fulton, Maryland 20759-9718

**FSH Associates**  
Engineers Planners Surveyors  
8318 Forrest Street Ellicott City, MD 21043  
Tel: 410-750-2251 Fax: 410-750-7350  
E-mail: info@fsha.biz

Howard County Health Department  
APPROVED: For Private Water and Sewerage Systems

\_\_\_\_\_  
Howard County Health Officer Date \_\_\_\_\_

APPROVED: Howard County Department of Planning and Zoning

\_\_\_\_\_  
Chief, Development Engineering Division Date \_\_\_\_\_

\_\_\_\_\_  
Director Date \_\_\_\_\_

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Leo E. McKenzie Sr. Trustee Witness \_\_\_\_\_

\_\_\_\_\_  
Vivian JoAnn McKenzie Trustee Witness \_\_\_\_\_

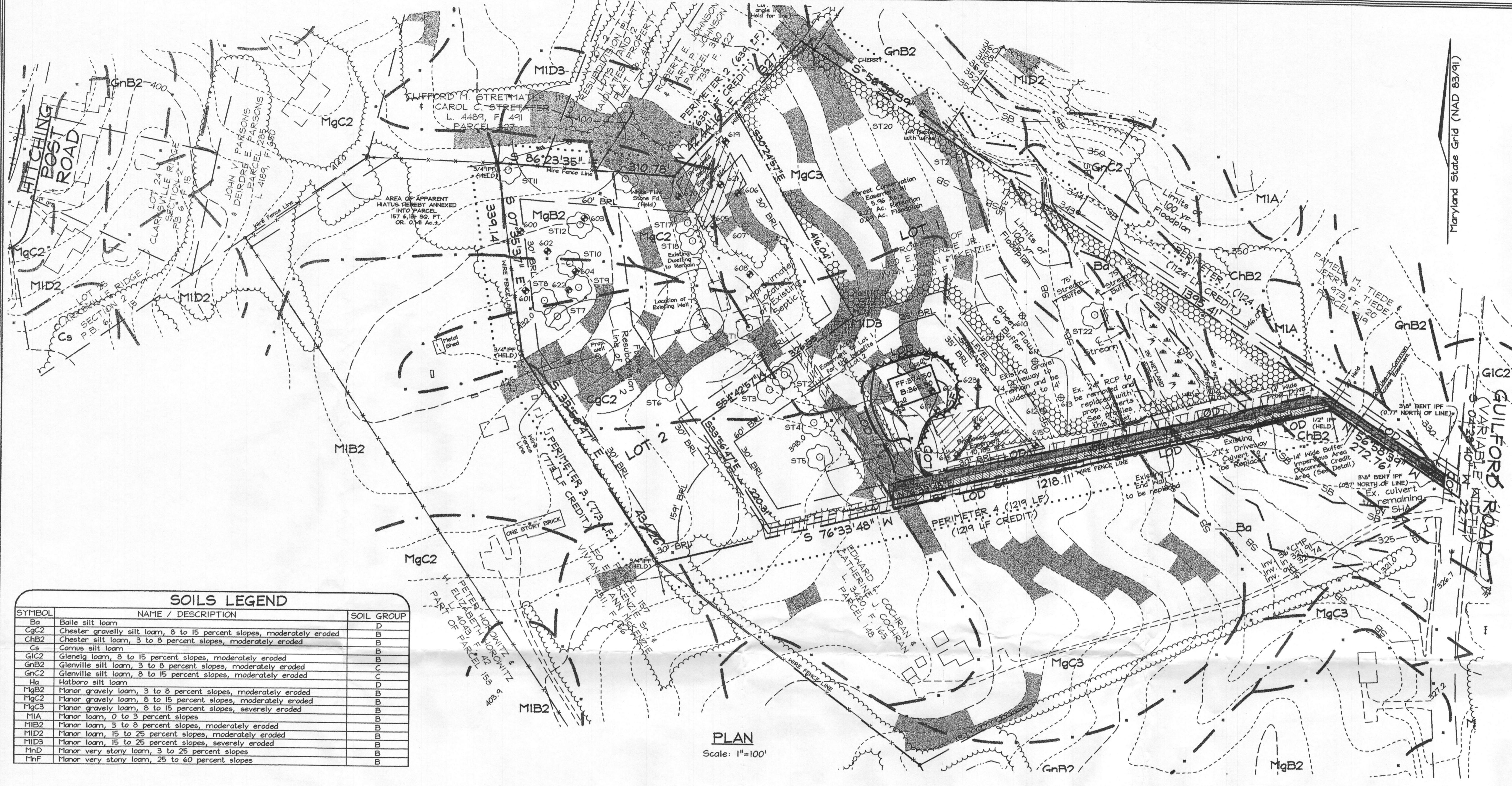
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C. Brooke Miller (Maryland Property Line Surveyor #135) Date \_\_\_\_\_

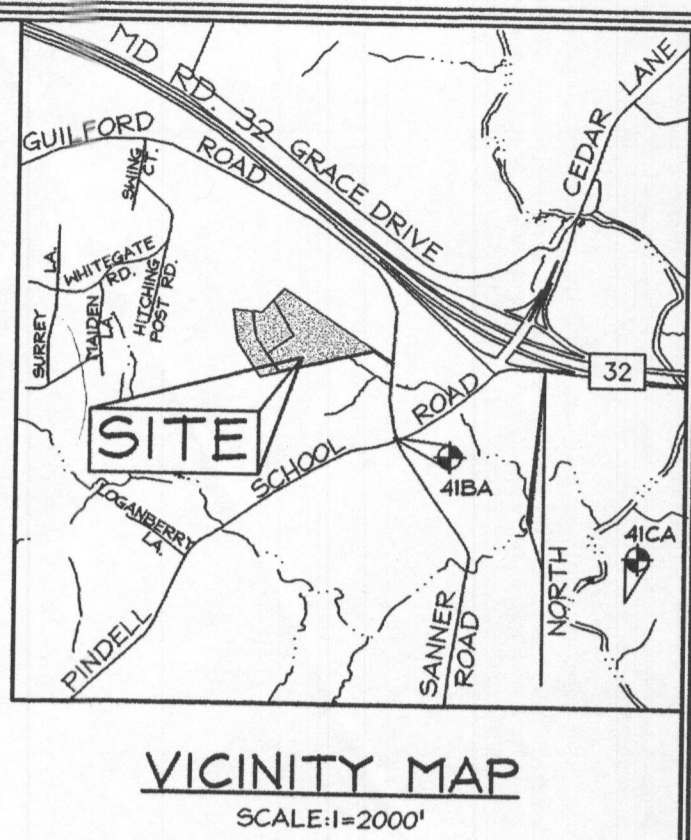
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**SUBDIVISION PLAT OF**  
**McKENZIE PROPERTY**  
LOTS 3 AND 4  
(A RESUBDIVISION OF LOT 2 MCKENZIE  
PROPERTY PLAT #17311)  
TAX MAP 35 GRID 21  
PARCEL 83  
L. 5980, F. 149  
5TH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
Scale: as shown  
Date: April 4, 2005  
Sheet 2 of 2  
F-04-142



### LEGEND

- Existing Contour: ---
- Proposed Contour: - - -
- Spot Elevation: +82.53
- Direction of Flow: →
- Existing Trees to Remain: [Symbol]
- Stabilized Construction Entrance: [Symbol]
- Silt Fence: SF
- Limit of Disturbance: LOD
- 15% to 24.9% slopes: [Symbol]
- slopes of 25% or greater: [Symbol]
- Proposed Drive: [Symbol]
- Impervious Area Buffer: [Symbol]



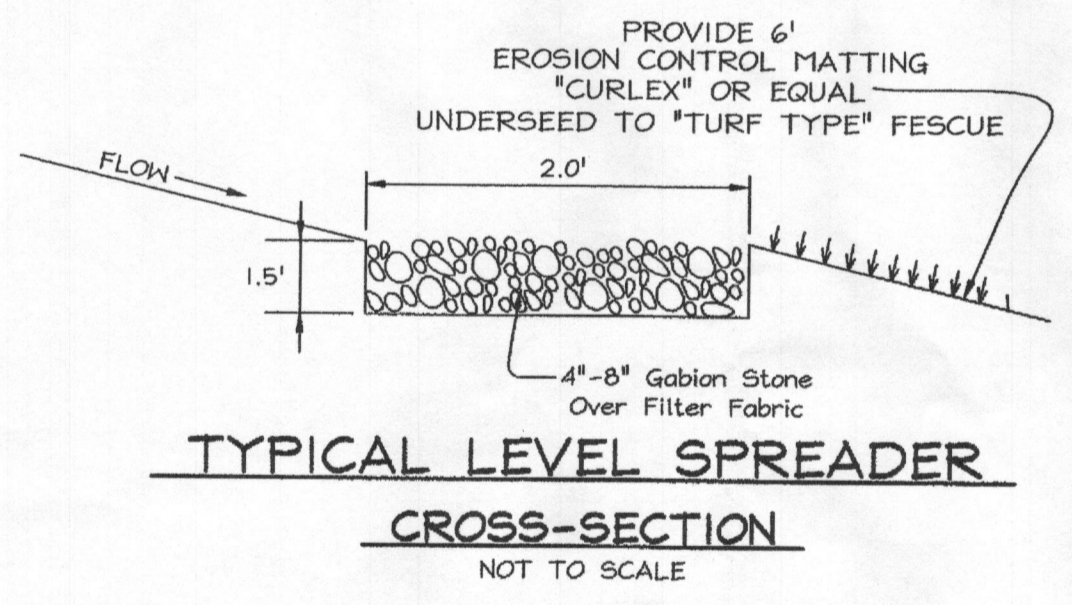
### BENCHMARKS

Sta. 41BA	N 168,185.7680 m. E 406,590.7607 m. Elev. 104.6388 m.
Sta. 41CA	N 551,784.473 ft E 1,340,518.187 ft Elev. 343.302 ft
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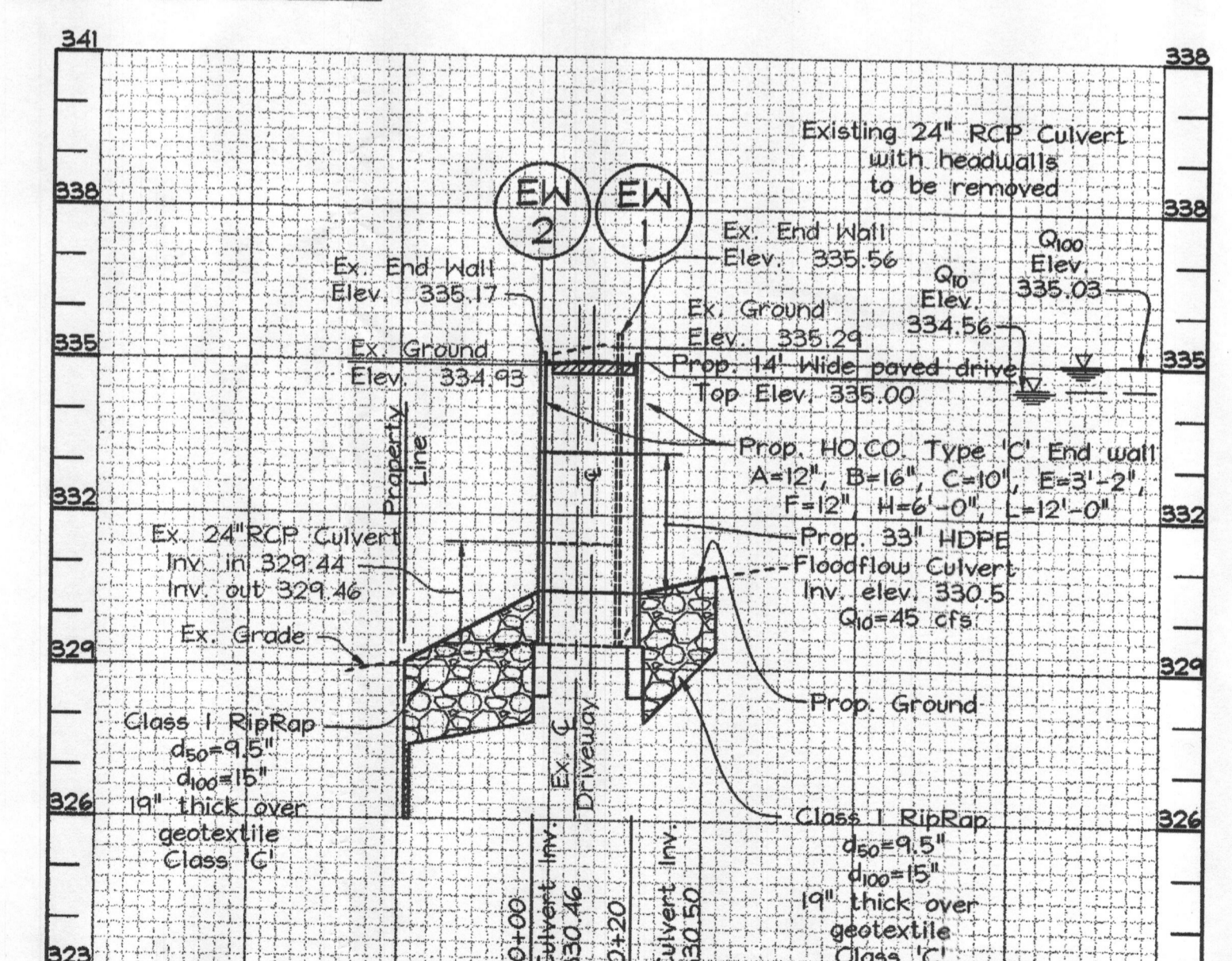
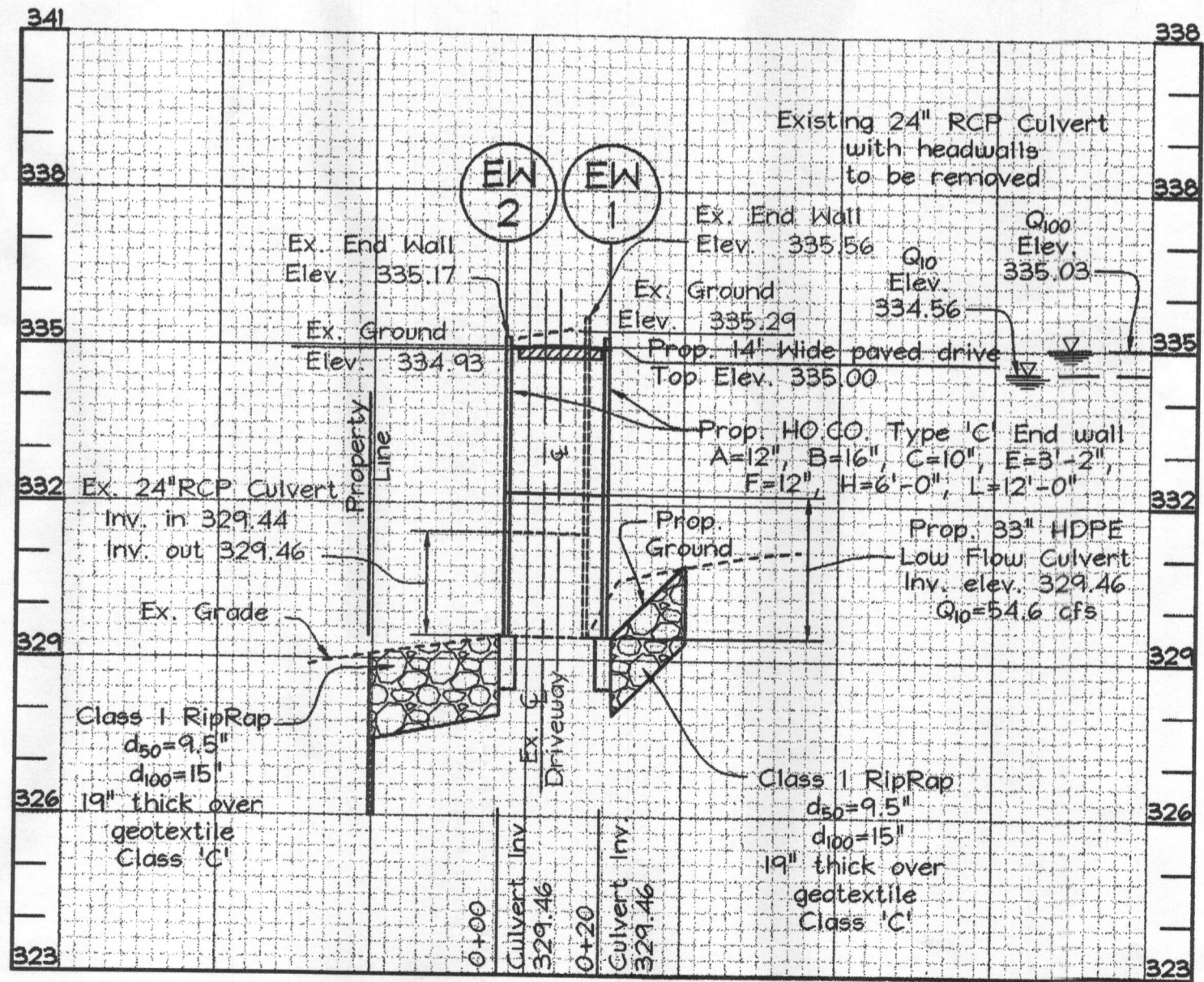
- ### GENERAL NOTES
- Property zoned RR-DEO per 02/02/04 Comprehensive Zoning Plan.
  - Private water and sewer will be used within this site.
  - The lots shown hereon comply with the minimum ownership, width and lot area as required by the Maryland State Department of the Environment.
  - Topography based on a Field Run Topographic Survey prepared by C.B. Miller & Associates in December 2003 with two foot contours and Howard County Aerial Topography.
  - Howard County Soil Map #29.
  - 100 yr. Floodplain analysis prepared by FSH Associates.
  - The project is in conformance with the latest Howard County Standards unless waivers have been approved.
  - The coordinates shown hereon are based upon the Howard County Geodetic Control which is based on the Maryland State Plane Coordinate system. Howard County monument numbers 41BA and 41CA were used for this project.
  - Driveway(s) shall be provided prior to issuance of a use and occupancy permit for any new dwelling to insure safe access for fire and emergency vehicles per the following (minimum) requirements:
    - Width-12 feet (14' serving more than one residence).
    - Surface-6 inches of compacted crusher run base with 1 1/2" Min. tar and chip coating.
    - Geometry-max. 15% grade, max. 10% grade change, and 45 foot turning radius.
    - Structures (bridges/culverts)-capable of supporting 25 gross tons (H25-loading).
    - Drainage elements-capable of safely passing 100 year flood with no more than one foot depth over driveway surface.
  - Structure clearance-minimum 12 feet.
    - Maintenance-sufficient to insure all weather use.
  - No clearing, grading or construction is permitted within wetland or stream system buffers unless approved by the Department of Planning and Zoning.
  - This area designates a private sewage easement of at least 10,000 square feet as required by the Maryland State Department of the Environment for individual sewage disposal (CO15-26.04.03). Improvements of any nature in this area are restricted to a public sewage system. The County Health Officer shall have the authority to grant easement shall not be necessary. Recordation of a modified sewage easement shall not be necessary.
  - Landscaping is in accordance with Section 61.124 of the Howard County Subdivision Regulations and the Landscape Manual.
  - This Plan is subject to the Fifth Edition of the Howard County Subdivision and Land Development Regulations.
  - Existing Duelling on Lot 2 to remain.
  - Stormwater Management HGV, CPV and recharge for the proposed duelling and on Lot Driveway is provided by sheet flow to buffer credit.
  - Stormwater Management HGV, CPV and recharge for the shared Driveway is provided by non rooftop disconnect. See details this sheet.

### SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	SOIL GROUP
Ba	Baile silt loam	D
CgC2	Chester gravelly silt loam, 8 to 15 percent slopes, moderately eroded	B
ChB2	Chester silt loam, 3 to 8 percent slopes, moderately eroded	B
Cs	Cornus silt loam	B
Gic2	Glenelig loam, 8 to 15 percent slopes, moderately eroded	B
GnB2	Glenville silt loam, 3 to 8 percent slopes, moderately eroded	C
GnC2	Glenville silt loam, 8 to 15 percent slopes, moderately eroded	C
Ha	Hatboro silt loam	D
MgB2	Manor gravelly loam, 3 to 8 percent slopes, moderately eroded	B
MgC2	Manor gravelly loam, 8 to 15 percent slopes, moderately eroded	B
MgC3	Manor gravelly loam, 8 to 15 percent slopes, severely eroded	B
MIA	Manor loam, 0 to 3 percent slopes	B
MIB2	Manor loam, 3 to 8 percent slopes, moderately eroded	B
MID2	Manor loam, 15 to 25 percent slopes, moderately eroded	B
MID3	Manor loam, 15 to 25 percent slopes, severely eroded	B
MnD	Manor very stony loam, 3 to 25 percent slopes	B
MnF	Manor very stony loam, 25 to 60 percent slopes	B



### PROPOSED DRIVEWAY CULVERTS

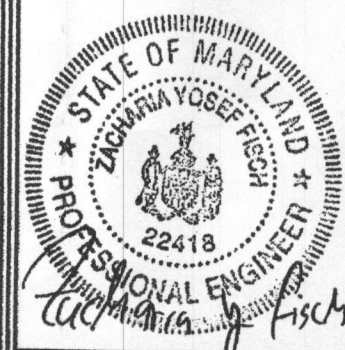


### SCHEDULE A PERIMETER LANDSCAPE EDGE

CATEGORY	ADJACENT TO ROADWAYS	ADJACENT TO PERIMETER PROPERTIES			
		1	2	3	4
Perimeter/Frontage Designation					
Linear Feet of Roadway		1124	639	773	1219
Frontage/Perimeter Credit for Existing Vegetation (Yes, No, Linear Feet)		Yes	Yes	Yes	Yes
Remaining Perimeter Length (Yes, No, Linear Feet)		#1124	#639	#773	#1219**
Number of Plants Required		No	No	No	No
Shade Trees		1160	1160	1160	1160
Evergreen Trees		-	-	-	-
Shrub		-	-	-	-
Number of Plants Provided		0	0	0	0
Evergreen Trees		0	0	0	0
Other Trees (2:1 Substitution) Shrubs (10:1 Substitution) (Describe Plant Substitution Credits Below if needed)		-	-	-	-

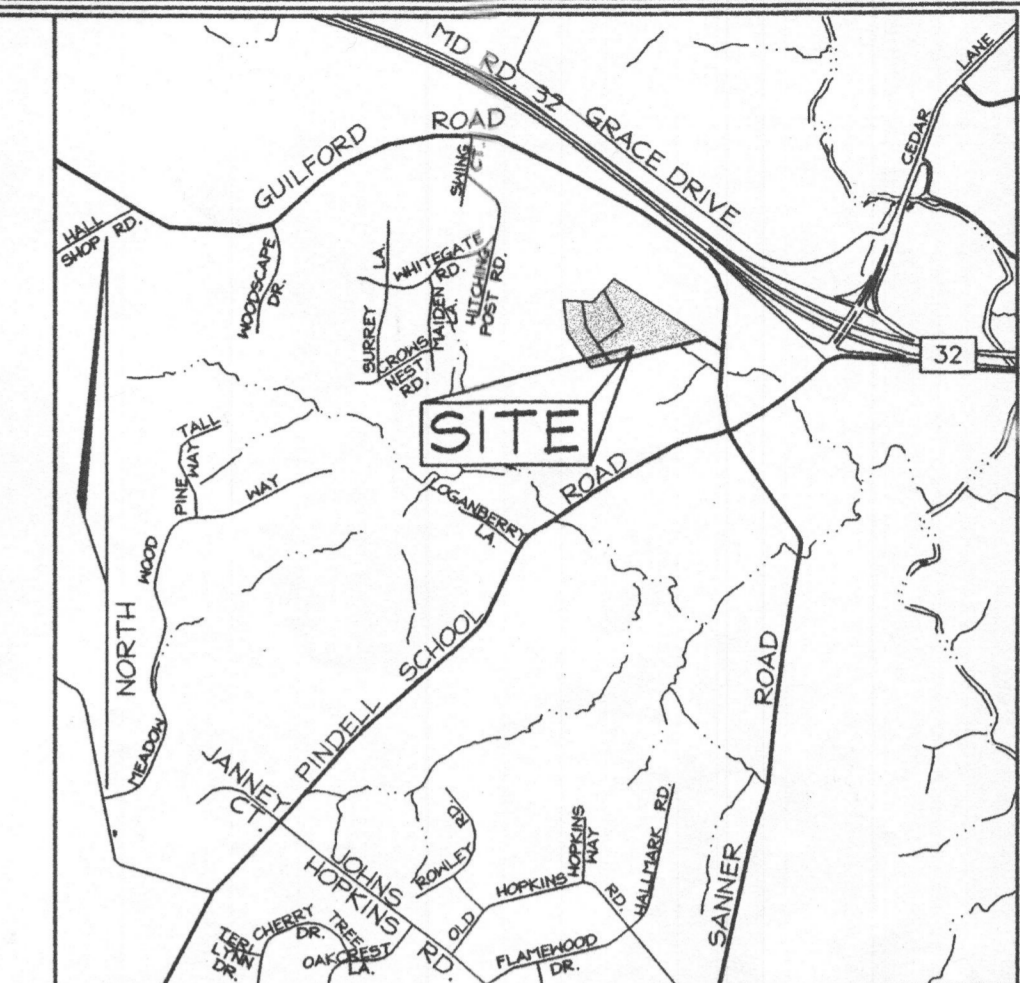
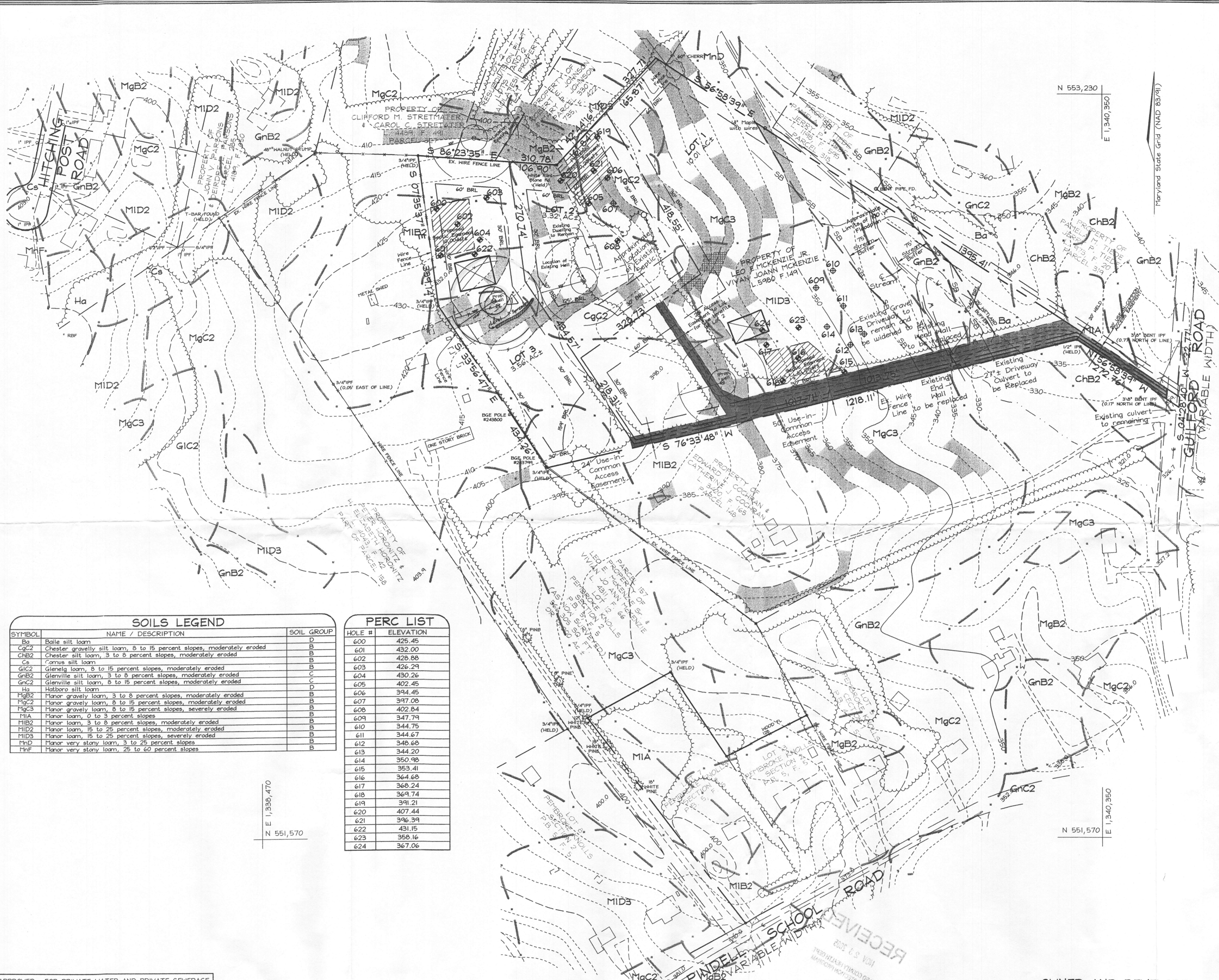
OWNER/DEVELOPER  
LEO E. MCKENZIE SR.  
6450 Pindell School Road  
Fulton, Maryland 20754-9718

**SUPPLEMENTAL LANDSCAPE, GRADING AND SOILS PLAN**  
**MCKENZIE PROPERTY**  
TAX MAP 35, GRID 21  
5TH ELECTION DISTRICT  
PARCEL 83, L. 5980, F. 149  
HOWARD COUNTY, MARYLAND



**FSH Associates**  
Engineers Planners Surveyors  
8318 Forrest Street, Ellicott City, MD 21043  
Tel: 410-750-2251 Fax: 410-750-7350  
E-mail: FSHAssociates@cs.com

DESIGN BY: PS  
DRAWN BY: GS/AY  
CHECKED BY: ZYF  
SCALE: As shown  
DATE: March 5, 2004  
W.O. No.: 3111  
SHEET No. 1 OF 1



VICINITY MAP  
SCALE: 1"=2000'

**LEGEND**

- Existing Contour -----
- Existing Spot Elevation 352.3
- Existing Trees to Remain
- Existing Stream Buffer SB SB
- Proposed Septic Easement (10,000sf minimum)
- 15% or greater slopes
- 25% or greater slopes
- Proposed House
- Perc Test - Passed
- Perc Test - Failed
- Denotes: Well Location

- GENERAL NOTES**
- Subject property zoned RR-DEO per Comprehensive Zoning Plan.
  - Total area of property = 16.894 Ac.±
  - Private water and sewer will be used within this site.
  - This area designates a private sewage easement, of at least 10,000 SF, as required by the Maryland State Department of the Environment for individual sewage disposal (COMAR 26.04.03). Improvements of any nature in this area are restricted until public sewage is available. These easements shall become null and void upon connection to a public sewage system. The County Health Officer shall have the authority to grant adjustments to the private sewage easement. Recordation of a modified sewage easement shall not be necessary.
  - All wells and septic fields within 100' of property's boundary have been shown where pertinent.
  - Topography is based on Howard County 1998 Aerial Topographic Surveys with five foot contours.
  - All wells to be drilled prior to submittal of record plot for signature.
  - The lots shown herein comply with the minimum ownership, width and lot area as required by the Maryland Department of the Environment.
  - Number of proposed lots: 3
  - Previous Owner: Rodney L. Boyer
  - Address of Existing House: 6848 Sanner Road, Clarksville, MD 21029

**SOILS LEGEND**

SYMBOL	NAME / DESCRIPTION	SOIL GROUP
Ba	Baile silt loam	D
CgC2	Chester gravelly silt loam, 8 to 15 percent slopes, moderately eroded	B
ChB2	Chester silt loam, 3 to 8 percent slopes, moderately eroded	B
Cs	Comus silt loam	B
GIC2	Glenela loam, 8 to 15 percent slopes, moderately eroded	B
GnB2	Glenville silt loam, 3 to 8 percent slopes, moderately eroded	C
GnC2	Glenville silt loam, 8 to 15 percent slopes, moderately eroded	C
Ha	Hatboro silt loam	D
MgB2	Manor gravelly loam, 3 to 8 percent slopes, moderately eroded	B
MgC2	Manor gravelly loam, 8 to 15 percent slopes, moderately eroded	B
MgC3	Manor gravelly loam, 8 to 15 percent slopes, severely eroded	B
MIA	Manor loam, 0 to 3 percent slopes	B
MIB2	Manor loam, 3 to 8 percent slopes, moderately eroded	B
MID2	Manor loam, 15 to 25 percent slopes, moderately eroded	B
MID3	Manor loam, 15 to 25 percent slopes, severely eroded	B
MnD	Manor very stony loam, 3 to 25 percent slopes	B
MnF	Manor very stony loam, 25 to 60 percent slopes	B

**PERC LIST**

HOLE #	ELEVATION
600	425.45
601	432.00
602	428.88
603	426.29
604	430.26
605	402.45
606	394.45
607	397.08
608	402.84
609	347.79
610	344.75
611	344.67
612	348.68
613	344.20
614	350.98
615	353.41
616	364.68
617	368.24
618	369.74
619	391.21
620	407.44
621	396.39
622	431.15
623	358.16
624	367.06

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

*Penny Bernethi, M.D.* 7/14/07  
COUNTY HEALTH OFFICER  
HOWARD COUNTY HEALTH DEPARTMENT

*Robert J. Wade* 12/2/05 (Change of 11/2/05)

**OWNER AND DEVELOPER**  
LEO E. MCKENZIE SR.  
6950 Pinell School Road  
Fulton, Maryland 20759-9716

No.	REVISION DESCRIPTION	DATE
1	Move well location and Add Level Spreader	12/2/05

**PERCOLATION TEST CERTIFICATION PLAN**  
**McKENZIE PROPERTY**

TAX MAP 35, GRID 21, PARCEL 83, L. 5980, F. 149  
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

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8318 Forrest Street, Ellicott City, MD 21043  
Tel: 410-750-2251 Fax: 410-750-7350  
E-mail: FSHAssociates@gs.com

DESIGN BY: N/A  
DRAWN BY: GS  
CHECKED BY: JTF  
SCALE: 1"=100'  
DATE: July 10, 2003  
W.O. No.: 3111  
SHEET No. 1 OF 1