

LAYOUT 4/28/04-10AM INSP 4 _____
INSP 2 _____ INSP 5 _____
INSP 3 _____ INSP 6 _____

ISSUE DATE: 4/22/04
APPROVAL DATE: 7/23/04

PERMIT INDEXED

P 520316
A 516887

**ON-SITE SEWAGE DISPOSAL SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MD 21043**

Fogles Septic Clean, Inc IS PERMITTED TO INSTALL ALTER

ADDRESS: 580 Obrecht Rd, Sykesville PHONE NUMBER: 410-795-5670

SUBDIVISION: _____ LOT NUMBER: _____

ADDRESS: 15015 Kenwood Court PROPERTY OWNER: Morgan & Monica Adams

SEPTIC TANK CAPACITY (GALLONS): 1500 OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): 1500 COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 5

SQUARE FEET PER BEDROOM: 180

LINEAR FEET OF TRENCH REQUIRED: 185 HOUSE SERVED BY PUBLIC WATER

TRENCHES:	Trench to be 3.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 5.0 feet below original grade. Effective area begins at 3.0 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box as shown on the approved site plan. Run trenches on contour.
NOTES:	Basement service by gravity is proposed.

PLANS APPROVED: Steve Krieg DATE: 7/21/03

NOTES: PERMIT VOID AFTER 2 YEARS
CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
WATERTIGHT SEPTIC TANKS REQUIRED
ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED
MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED
CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE REGULATIONS, GUIDELINES AND THE TERMS OF THIS PERMIT

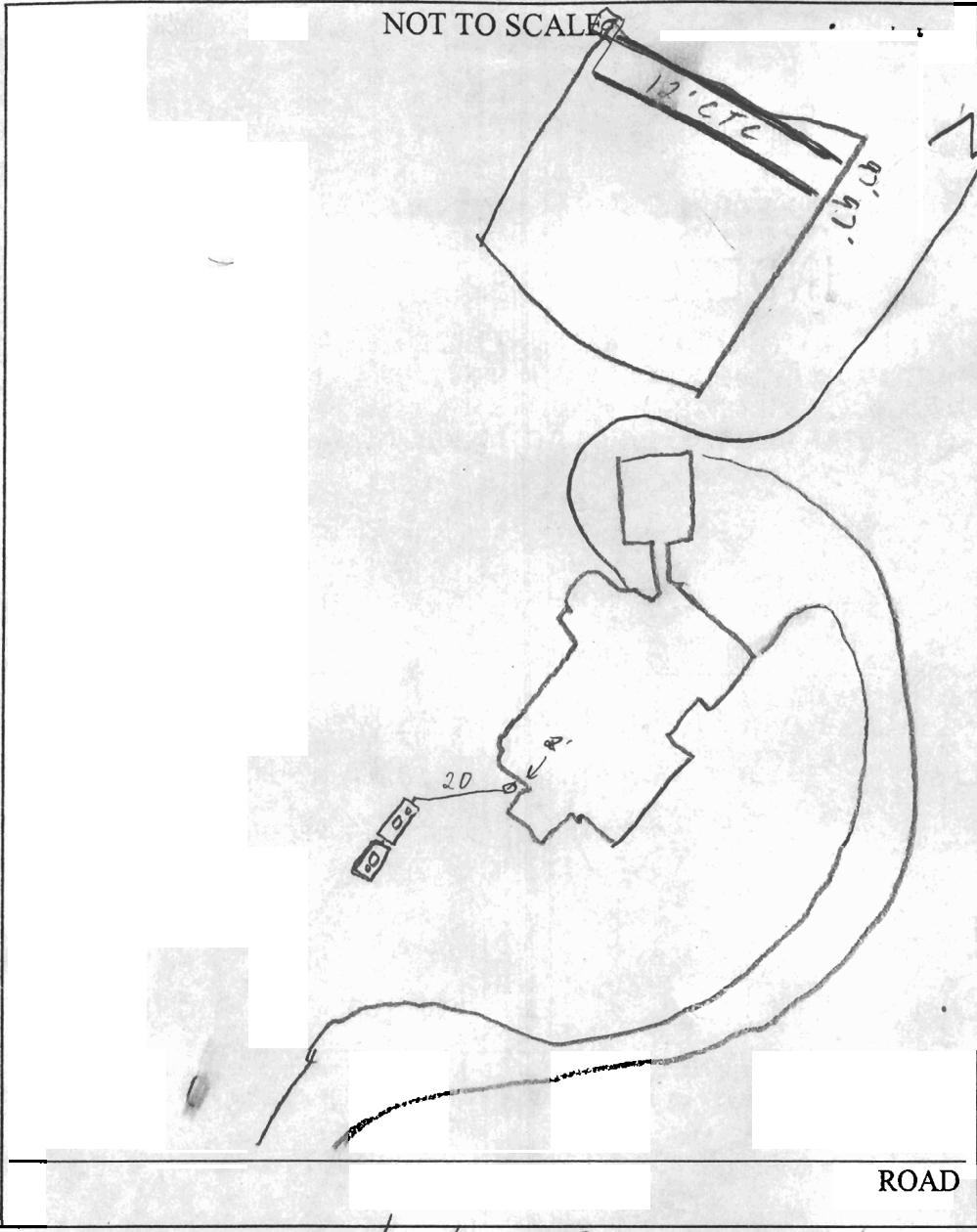
**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS
RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM
PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT
CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM
DO NOT LEAVE ANY REQUEST FOR INSPECTION ON VOICEMAIL**

**BUILDING PERMIT SIGNED
AND RETURNED**

4/8/2004 INGROUND POOL + SPA BOO 147326

4516887

9 HD-54-3762



TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3'	3'	5'
NUMBER OF TRENCHES		2
TOTAL LENGTH		194'
ABSORPTION AREA		
DISTRIBUTION BOX LEVEL		<input checked="" type="checkbox"/>
DISTRIBUTION BOX BAFFLE		<input checked="" type="checkbox"/>
DISTRIBUTION BOX PORT		<input checked="" type="checkbox"/>

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL

CAPACITY	1500	GAL
SEAM LOC	Top	
TANK LID DEPTH	2'	
BAFFLES	<input checked="" type="checkbox"/>	
BAFFLE FILTER		
MANHOLE LOC	Center	
6" PORT LOC	Front	
WATERTIGHT TEST		

SEPTIC TANK 2 LEVEL

CAPACITY	1500	GAL
SEAM LOC	Top	
TANK LID DEPTH	2'	
BAFFLES	<input checked="" type="checkbox"/>	
BAFFLE FILTER		
MANHOLE LOC	Center	
6" PORT LOC	Back	
WATERTIGHT TEST		

PRE-CONSTRUCTION 4/28/04 - SRA note stake, triangulated off garage to D.B. location. Line of match on top of 1st trench needs to be

INSTALLATION moved. Install (2) 92.5' trench on contour. 4/26/04 - 2 trenches installed OK to cover (SO) Justin to get me drawing of pressure line (SO) 7/23/04 Pump and alarm working. (BB) 8/3/04 - called contr., to fax info on pressure line

BUILDING PERMIT SIGNED

FINAL INSPECTOR B. Baker DATE OF APPROVAL 7/23/04

17.99 ACRES

588°27'50"E 655.00'

WELL
HO-94-3762



SEE HOUSE
DETAIL

4/22/04
House moved ~ 8'
closer to septic
easement. Part of
easement now less than
20' away. O.K. Easement
> 11,000 sq ft, anyway.

BB

TOP WALL ELEV=603.6'
LOCATION DRAWING

LDE Inc.

Engineers, Surveyors, Planners
9250 Rumsey Road, Suite 106
Columbia, Maryland - 21045
(410)715-1070 - (410)715-9540 Fax

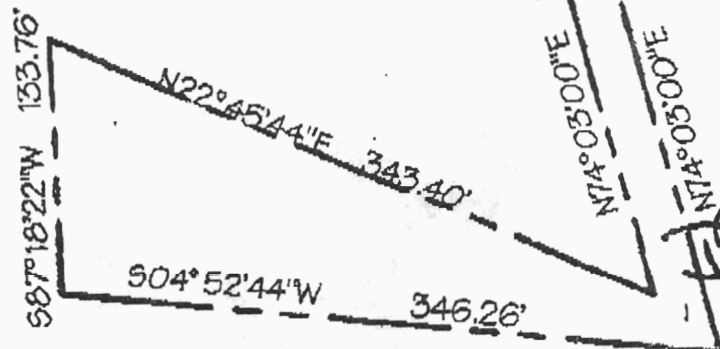
DATE 10/08/03
SCALE 1" = 100'

CERTIFICATION

This is to certify that I have surveyed the property known as:

MILLER MILL ROAD

The information shown has been established by current acceptable survey procedures and from available record information. This drawing is to be used for Title Transfer Financing, or Refinancing Only and IS NOT to be used for the Establishment of Property Lines, Location for Fences, Garages, Buildings, or other Existing or Future Improvements.



PROPERTY KNOWN AS:
LIBER 6254 FOLIO 474

THIS PLAT CAN NOT BE USED TO ESTABLISH
PROPERTY LINES OR CORNERS.



TAX MAP 14
PARCEL 24
7.99 ACRES

S88°27'50"E 655.00'

S10°24'51"E 234.90'

S83°28'24"W 219.87'

N08°11'47"W 107.94'

N68°48'25"E 285.69'

S80°10'40"E 437.90'

N29°36'38"E 571.51'

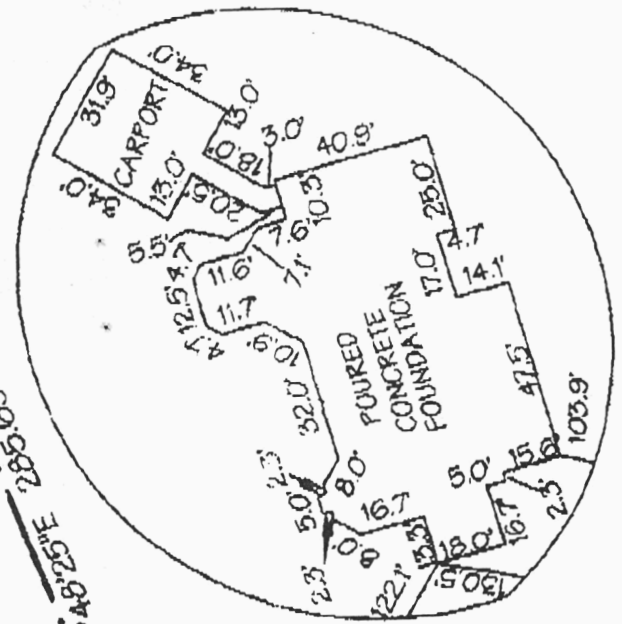
N29°36'38"E 125.48'

WELL
HO-94-3762

SEPTIC
AREA

SEPTIC
AREA

SEE HOUSE
DETAIL



HOUSE DETAIL
1"=50'

15015 KENWOOD CT

TOP WALL ELEV=603.6'
LOCATION DRAWING

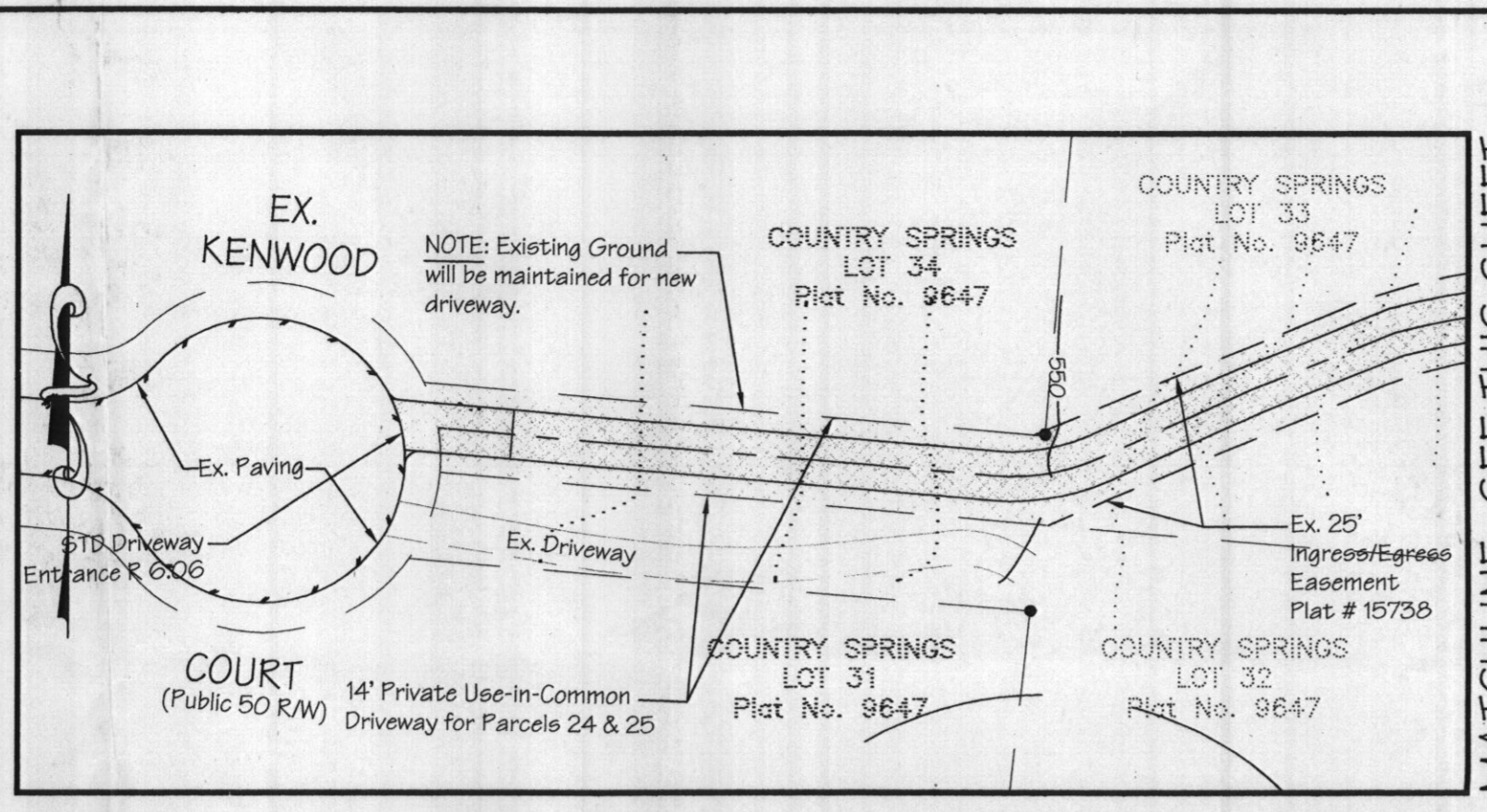
LDE Inc.

Engineers, Surveyors, Planners

GENERAL NOTES

- THE PURPOSE OF THIS SITE DEVELOPMENT PLAN IS TO PROVIDE CONSTRUCTION DOCUMENTS FOR A SINGLE FAMILY RESIDENCE ON PARCEL 24, IN ACCORDANCE WITH THE SITE DEVELOPMENT PLAN REGULATIONS.
- The contractor shall notify the Department of Public Works / Bureau of Engineering / Construction Inspection Division at 410-313-5800 at least five (5) working days prior to beginning work.
- The existing topography shown hereon was taken from a field survey with two foot contour intervals prepared by LDE, Inc. in September, 2002.
- The boundary shown hereon is based on a field run boundary survey performed by LDE, Inc. in March, 2000.
- Horizontal and vertical datum are related to the Maryland State Plane Coordinate System as projected from Howard County control stations No. 08GC and 08HS (NAD 83).
- All construction shall be in accordance with the latest standards and specifications of Howard County Design Manual Vol. IV and current MSHA standards and specifications.

Location: Woodbine, Maryland
Tax Map: Parcel 24
Grid: 3 & 4
Election District: 4th
Present Zoning: RR-DEO (Rural residential-density exchange option) per 2000 Comprehensive Zoning Plan.
Current Deed Reference: Parcel 24: L. 6254 F. 474
 3. Any damage caused by the contractor to existing public right-of-way, existing paving, existing curb and gutter, existing utilities, etc. shall be corrected at the contractor's expense.
 10. The existing utilities shown hereon are located from field surveys and construction drawings of records. The contractor shall locate existing utilities to his own satisfaction and well in advance of any construction activities. Additionally, the contractor shall take all necessary precautions to protect all existing utilities and maintain uninterrupted service. Any damage incurred to utilities or existing features due to contractor's operation shall be repaired immediately at the contractor's expense.
 11. There may be additional utilities not shown on these plans. The engineer assumes no responsibility for utility locations not shown and it shall be the responsibility of the contractor to verify the locations of all existing utilities within the limits of construction and notify the engineer of any discrepancies, prior to the start of construction.
 12. **Site Analysis Data:**
 a. Total Project Area: 7.99 Ac / 348,040.75 Sq. Ft. (Parcel 24) + 0.3715 Ac / 16,184.3 Sq. Ft. (driveway easements) Total = 8.36 Ac / 364,225.05 Sq. Ft.
 b. Area of Plan Submission: 8.36 Ac / 364,225.05 Sq. Ft.
 c. Limit of Disturbed Area: 2.20 Ac / 95,832.54 Sq. Ft.
 d. Present Zoning: RR-DEO
 e. Proposed site use: (1) Single Family Detached House
 f. Present Use: Wooded / non-developer
 g. Proposed Site and Structure Use: SFD Residential
 h. Total site impervious area: 0.78 Acres (9.33%)
 13. For driveway entrance details refer to the Howard County Design Manual Volume IV, Standard Detail R-6.06.
 14. A wetland investigation for this site was conducted by LDE, Inc. in April, 2000.
 15. This site is subject to the requirements of the Howard County Forest Conservation Act, as outlined in the latest Howard County Forest Conservation Manual. This project complies with the requirements of Section 16.1200 of the Howard County Code for Forest Conservation by the retention of 1.00 acre of existing forest onsite.
 16. Adjustments to the sequence of construction shall be approved by the Howard County Department of Inspections, Licenses and Permits, prior to such adjustments.
 17. This site is not located within the Metropolitan District. This site will utilize private water and sewer facilities.
 18. Stormwater quality and quantity management for this site will be provided via the use of Stormwater Credits, as specified in the "2000 Maryland Stormwater Design Manual, Volumes 1 & 2, Chapter D."
 19. Building dimensions shown hereon are approximate only. Refer to the architectural plans for building dimensions.
 20. A Noise Study is not required for this project.
 21. A Traffic Analysis is not required for this project.
 22. Earthwork quantities shown on this plan are estimated and should not be used for bid purposes. Contractors should perform independent earthwork analysis for bid purposes.
 23. Deviations from these plans and specifications without prior written consent of the civil engineer may cause the work to be unacceptable.
 24. The dimensioned distances shall govern if scaled and dimensioned distances on this plan are found to be in disagreement.
 25. Landscaping requirement per Section 16.124 of the Subdivision and Land Development Regulations shall be provided in accordance with a landscape plan on file with this site plan. Surety in the amount of \$4500.00 shall be made part of the Grading Permit surety for this site plan.
 26. The 100 year floodplain shown hereon was taken from the latest Howard County Coastal Creek Floodplain Study. A HEC-2 Model, using the 100 year peak discharge from the County Study, was run by LDE, Inc. for the sole purpose of demonstrating "no increase" in the 100 year flood elevations will result due to the installation of the proposed driveway culvert.
 27. The use-in-common driveway shall be provided prior to issuance of a Use and Occupancy Permit for the new dwelling to ensure access for fire and emergency vehicles per the following minimum requirements:
 a. Width: 14 feet
 b. Surface of compacted crusher run base with tar and chip coating (1 1/2" min.)
 c. Geometry: 15% max. grade; 10% max. grade change; 48 ft. min. radius.
 d. Structures: Culverts/bridges capable of supporting H-25 loading.
 e. Drainage elements: Culvert shall pass the existing bankfull capacity of the stream with the remainder of flow overtopping the driveway. (Per MDE requirements)
 f. Maintenance: Sufficient to insure all weather conditions.
 28. The retaining walls shown hereon are for location only. The design of the retaining walls is by others.

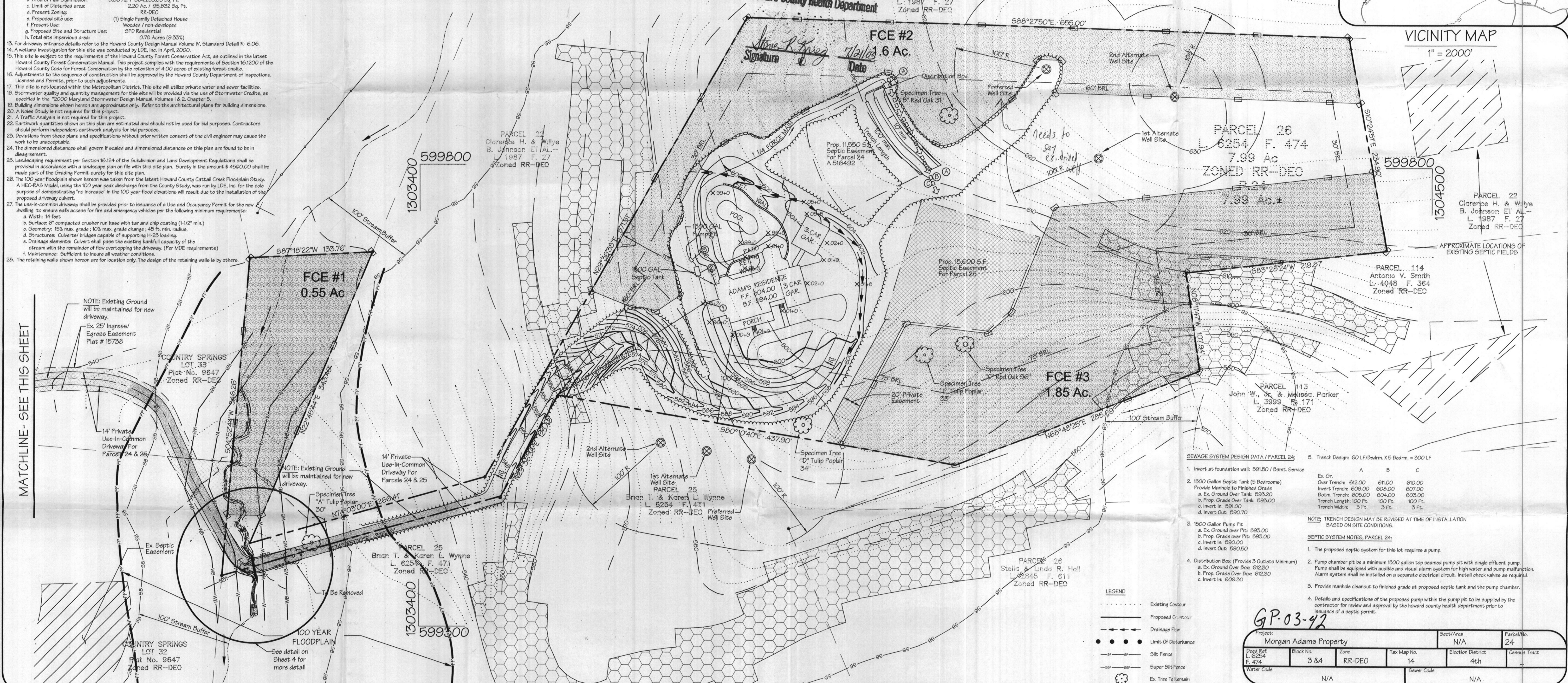
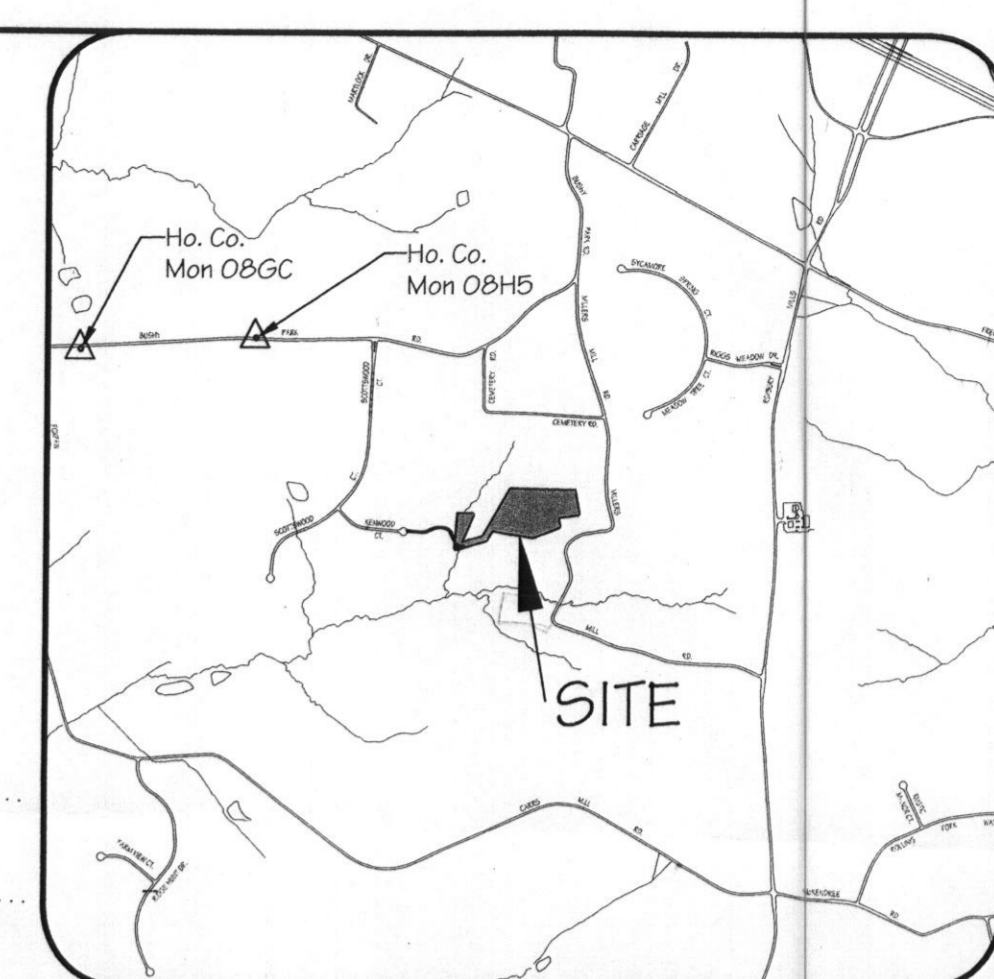


No.	Description
1	Plot Plan for Building Permit
2	Grading and Sediment Control Plan
3	Grading and Sediment Control Notes & Details
4	Culvert Plan & Profiles
5	Stormwater Management Plan
6	Forest Stand Delineation
7	Forest Conservation/Landscape Plan
8	Forest Conservation Notes & Details

BENCHMARKS

HOWARD COUNTY GEODETIC CONTROL: 08HS
 Elevation: 613.086
 Station is a standard stamped disc set on top of concrete monument. Located 6.0' North of edge of paving along West bound lane of Bushy Park Road. Approximately 30.8' West of G&E Pole #226995 / C&P #20.

HOWARD COUNTY GEODETIC CONTROL: 08GC
 Elevation: 567.252
 Station is a standard stamped disc set on top of concrete monument. Located 2.6' South of edge of paving along East bound lane of Bushy Park Road, approximately 85' West of intersection with driveway serving 15284 Bushy Park Road.



SEWAGE SYSTEM DESIGN DATA / PARCEL 24

1. Invert at foundation wall: 591.50 / Bemt. Service	Ex. Gr.	A	B	C
2. 1500 Gallon Septic Tank (5 Bedrooms)	Over Trench: 602.00	601.00	600.00	600.00
Provide Manhole to Finished Grade	Invert Trench: 609.00	608.00	607.00	607.00
a. Ex. Ground Over Tank: 593.20	Bottom Trench: 605.00	604.00	603.00	603.00
b. Prop. Grade Over Tank: 595.00	Trench Length: 100 Ft.	100 Ft.	100 Ft.	100 Ft.
c. Invert in: 591.00	Trench Width: 3 Ft.	3 Ft.	3 Ft.	3 Ft.
d. Invert Out: 590.70				

3. 1500 Gallon Pump Pit
 a. Ex. Ground over Pit: 593.00
 b. Prop. Grade over Pit: 593.00
 c. Invert in: 590.00
 d. Invert Out: 590.50

4. Distribution Box (Provide 3 Outlets Minimum)
 a. Ex. Ground Over Box: 612.30
 b. Prop. Grade Over Box: 612.30
 c. Invert in: 609.30

5. Trench Design: 60 LF/Bedrm. X 5 Bedrm. = 300 LF

NOTE: TRENCH DESIGN MAY BE REVISED AT TIME OF INSTALLATION BASED ON SITE CONDITIONS.

SEPTIC SYSTEM NOTES, PARCEL 24:

- The proposed septic system for this lot requires a pump.
- Pump chamber pit to be a minimum 1500 gallon top soaped pump pit with single effluent pump. Pump shall be equipped with audible and visual alarm system for high water and pump malfunction. Alarm system shall be installed on a separate electrical circuit. Install check valves as required.
- Provide manhole cleanout to finished grade at proposed septic tank and the pump chamber.
- Details and specifications of the proposed pump within the pump pit to be supplied by the contractor for review and approval by the Howard County health department prior to the issuance of a septic permit.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

DIRECTOR: _____ DATE: _____

CHIEF, DIVISION OF LAND DEVELOPMENT: _____ DATE: _____

CHIEF, DEVELOPMENT ENGINEERING DIVISION: _____ DATE: _____

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS.

Jim Mugger 4/29/03
 NATURAL RESOURCE CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

John K. Blanton 4/29/03
 HOWARD SOIL CONSERVATION DISTRICT

ENGINEER'S CERTIFICATE

I CERTIFY THAT THIS PLAN FOR SEPTIC SYSTEM CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON A FIELD SURVEY OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE SITE CONDITIONS.

Bruce D. ... 4/24/03
 PROFESSIONAL ENGINEER

DEVELOPER'S CERTIFICATE

I HAVE CERTIFIED THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

? 4/24/03
 SIGNATURE OF DEVELOPER

REVISIONS

No.	Date	Description

DESIGNED: S.D.H.
 DRAWN: J.D.R.
 CHECKED: B.D.B.
 DATE: 2/2003

Plot Plan for Building Permit

MORGAN ADAMS PROPERTY

PARCEL 24 - has parcel 25's, Tax Map No. 14, Grids 3 & 4, Easement emit 4th Election District, Howard County, Maryland

OWNER: WM. MORGAN, JR. & MONICA LYNN ADAMS
 15035 Bushy Park Road
 Woodbine, Maryland 21797
 410-442-2615

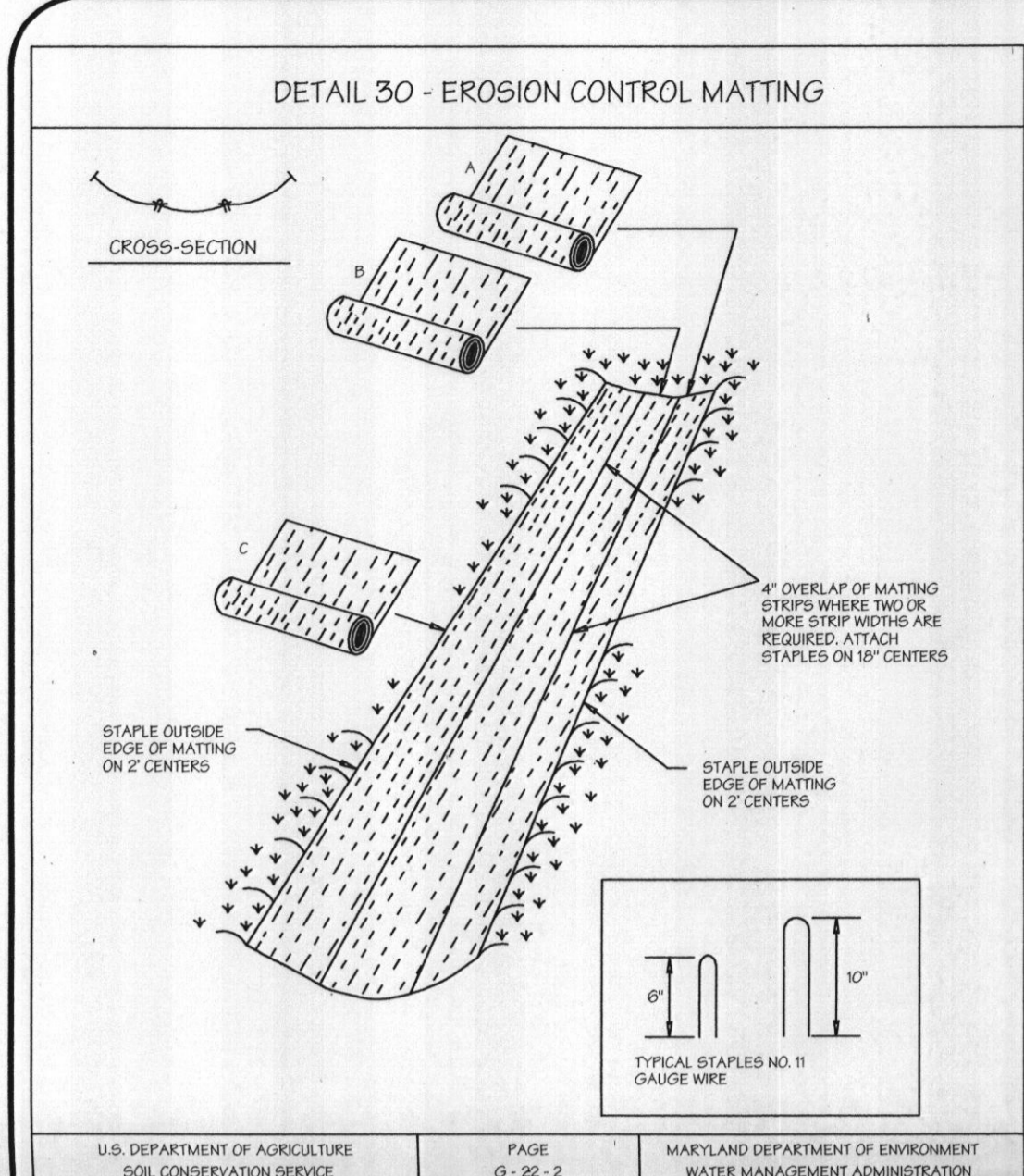
SCALE: 1"=50'
 DRAWING: 1 of 8
 JOB NO.: 00-066.2
 FILE NO.:

GP-03-42

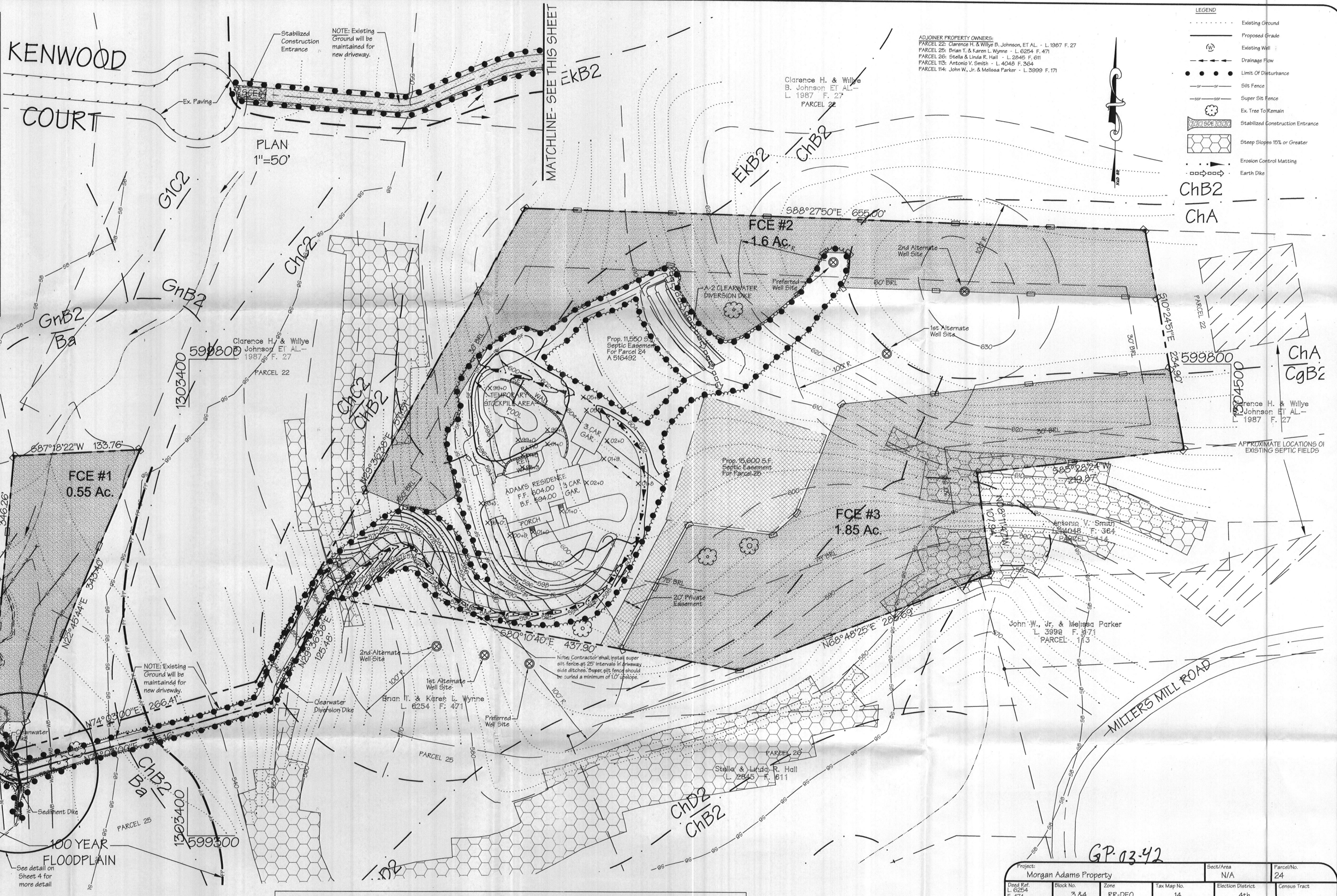
Project:	Block/Area:	Zone:	Tax Map No.:	Election District:	Parcel No.:
Morgan Adams Property	3 & 4	RR-DEO	14	4th	24

Sheet No.:	Block/Area:	Zone:	Tax Map No.:	Election District:	Parcel No.:
00-066.2	3 & 4	RR-DEO	14	4th	24

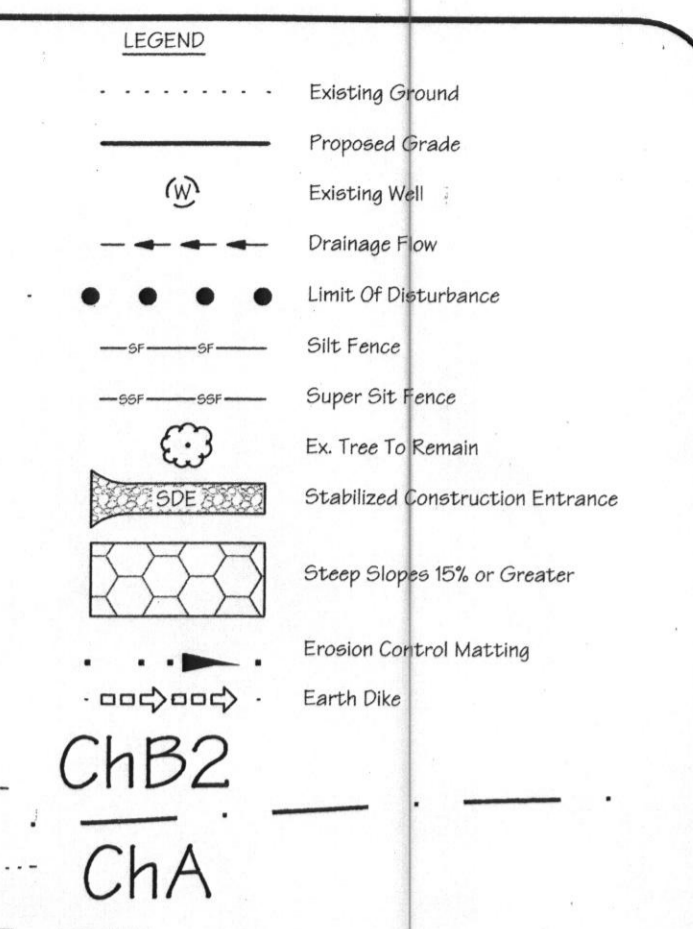
This plan proposed for septic installation for residence on parcel 24



- Construction Specifications**
1. Key-in the matting by placing the top edge of the matting in a narrow trench, 6" in depth. Backfill the trench and tamp firmly to conform to the channel cross-section. Secure with a row of staples about 4" down slope from the trench. Spacing between staples is 6".
 2. Staple the 4" overlap in the channel center using an 18" spacing between staples.
 3. Before stapling the outer edges of the matting, make sure the matting is smooth and in firm contact with the soil.
 4. Staples shall be placed 2' apart with 4 rows for each strip, 2 outer rows, and 2 alternating rows down the center.
 5. Where one roll of matting ends and another begins, the end of the top strip shall overlap the upper end of the lower strip by 4" in a shiplap fashion. Reinforce the overlap with a double row of staples spaced 6" apart in a staggered pattern on either side.
 6. The discharge end of the matting liner should be similarly secured with 2 double rows of staples.
- Note: If flow will enter from the edge of the matting then the area affected by the flow must be keyed-in.



ADJOINER PROPERTY OWNERS:
 PARCEL 22: Clarence H. & Willye B. Johnson, ET AL. - L. 1987 F. 27
 PARCEL 25: Brian T. & Karen L. Wynne - L. 6254 F. 471
 PARCEL 26: Stella & Linda R. Hall - L. 2845 F. 611
 PARCEL 13: Antonio V. Smith - L. 4048 F. 364
 PARCEL 14: John W. Jr. & Melissa Parker - L. 3999 F. 171



NO WORK MAY OCCUR WITHIN THE STREAM BETWEEN OCTOBER 1 AND MAY 31

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

DIRECTOR _____ DATE _____

CHIEF, DIVISION OF LAND DEVELOPMENT _____ DATE _____

CHIEF, DEVELOPMENT ENGINEERING DIVISION _____ DATE _____

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS.

Jim Meyer 4/29/03
 NATURAL RESOURCE CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

John K. Roberts 4/29/03
 HOWARD SOIL CONSERVATION DISTRICT

ENGINEER'S CERTIFICATE

I CERTIFY THAT THIS PLAN FOR SOIL EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON A VISUAL INSPECTION OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE HOWARD SOIL CONSERVATION DISTRICT REGULATIONS.

Bruce D. ... 4/24/03
 SIGNATURE OF ENGINEER

DEVELOPER'S CERTIFICATE

I HEREBY CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

? _____ 4/24/03
 SIGNATURE OF DEVELOPER

STATE OF MARYLAND
 PROFESSIONAL ENGINEER
 BRUCE D. ...
 4/24/03

No.	Date	Description

Project: Morgan Adams Property		Sect./Area: N/A		Parcel No.: 24
Dead Ref. L. 6254 F. 474	Block No. 3 & 4	Zone RR-DEO	Tax Map No. 14	Election District 4th
Water Code	N/A	Sewer Code	N/A	Census Tract

LDE, INC.
 9250 Rumsey Road, Suite 106, Columbia, MD. 21045
 (410) 715-1070 (301) 596-3424 (410) 715-9540 (Fax)

DESIGNED: SDH
 DRAWN: MBJ
 CHECKED: BDB
 DATE: 2/2003

MORGAN ADAMS PROPERTY

PARCEL 24
 Tax Map No. 14, Grids 3 & 4
 4th Election District, Howard County, Maryland

OWNER: WM. MORGAN, JR. & MONICA LYNN ADAMS
 15055 Bushy Park Road
 Woodbine, Maryland 21797
 410-442-2615

SCALE: 1"=50'
 DRAWING: 2 of 8
 JOB NO.: 00-066.2
 FILE NO.:

File and Project: P2000-0861, Tully/00-0861, Grading & Sediment Control Plan, 4/24/03 11:02:50 AM

DO

NOT

DISCARD

000269

THIS DECLARATION OF EASEMENT, (this "Easement") is made this ^{9th} day of October, 2002, by and between WILLIAM MORGAN ADAMS, JR. and MONICA LYNN ADAMS, (hereinafter referred to as the party of the first part) and BRIAN T. WYNNE and KAREN L. WYNNE, (hereinafter referred to as the party of the second part).

WHEREAS, the party of the first part is the owner in fee simple of a parcel of ground consisting of 7.9901 acres, representing the remaining portion of Parcel No. 24 by virtue of a Deed dated June 25, 2002 by and between Country Brooke Investment, LLC and William Morgan Adams, Jr. and Monica Lynn Adams which is recorded among the Land Records of Howard County in Liber M.D.R. No. 6254, folio 474; and

WHEREAS, the party of the second part is the owner in fee simple of a parcel of ground consisting of 14.3279 acres, representing Revised Parcel No. 25 by virtue of a Deed dated June 25, 2002 by and between Country Brooke Investment, LLC and Brian T. Wynne and Karen L. Wynne which is recorded among the Land Records of Howard County in Liber M.D.R. No. 6254, folio 478; and

WHEREAS, as the result of several percolation tests conducted on Parcel No. 24 and Revised Parcel No. 25, the party of the second part was unable to obtain any successful percolation sites for a private sewage disposal system for a residence to be constructed on the Revised Parcel No. 25; and

WHEREAS, two (2) successful percolation tests were conducted on the Revised Parcel No. 25, and the party of the first part has agreed to grant to the party of the second part an exclusive easement for the installation of a private sewage disposal system within the designated easement area shown on Exhibit "A" and more particularly described in Exhibit "B" attached hereto and made a part hereof.

5
20
NOW, THEREFORE, THIS DECLARATION OF EASEMENT WITNESSETH: that in consideration of the premises and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the party of the first part does hereby grant to the owners of Revised Parcel No. 25, their personal representatives and assigns, in perpetuity an exclusive easement over, across and through Parcel No. 24 for the installation of a private sewage disposal system within the designated "Private Sewage Disposal Easement Area" as more particularly shown on Exhibit "A" and more particularly described in Exhibit "B" attached hereto and made a part hereof, (the "Easement Area").

The parties agree that the exclusive and perpetual easement hereby granted for the benefit of Revised Parcel No. 25 shall be subject to the following conditions:

1. The party of the second part, their personal representatives and assigns shall be solely responsible for the cost of installation and maintenance of the private sewage system within the Easement Area, without contribution from the party of the first part, their personal representatives and assigns; and

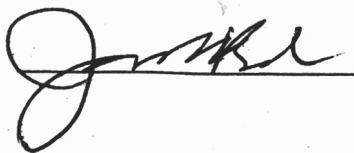
2. The party of the first part, their personal representatives and assigns agree not to plant any shrubs, trees or flowers or to perform any other landscaping over or across the designated Easement Area which will obstruct or interfere with the use or access to the Easement Area to the parties of the second part or their respective personal representatives, assigns or agents; and

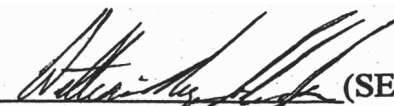
3. The party of the second part, for themselves, their personal representatives and assigns covenant and agree to keep the Easement Area insured under their homeowner's insurance policy and to indemnify and save harmless the party of the first part, their personal representatives and assigns, from any loss or damage which the party of the first part, or their personal representatives and assigns may suffer as a result of the use of the Easement Area or the failure of the party of the second part, their personal representatives and assigns to properly maintain the Easement Area or the private sewage disposal system located within the Easement Area; and

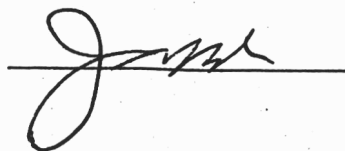
4. This Easement shall run with the land and be binding upon the parties hereto, having or acquiring any right, title and interest in the above described parcels, lots or any portion thereof and shall inure to the benefit of the parties of the second part, their personal representatives and assigns.

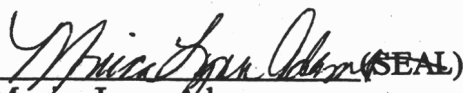
WITNESS the hands and seals of the parties hereto as of the day and year first above written.

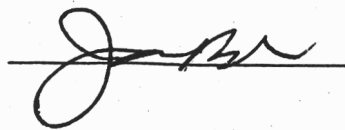
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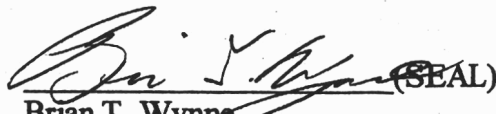


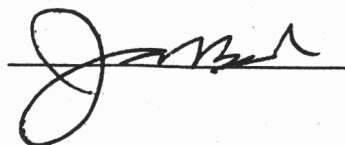
 (SEAL)
William Morgan Adams, Jr.

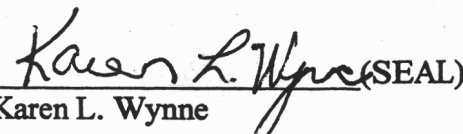


 (SEAL)
Monica Lynn Adams



 (SEAL)
Brian T. Wynne



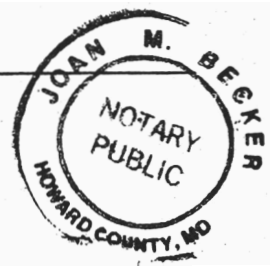
 (SEAL)
Karen L. Wynne

STATE OF MARYLAND, Adel Casy, to wit:

I HEREBY CERTIFY that on this 9th day of October, 2002, before me, the subscriber, a Notary Public, for the State of Maryland, personally appeared WILLIAM MORGAN ADAMS, JR., known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument and acknowledged that he executed the same for the purposes therein contained and in my presence signed and sealed the same.

WITNESS my hand and Notarial Seal.

[Signature]
Notary Public



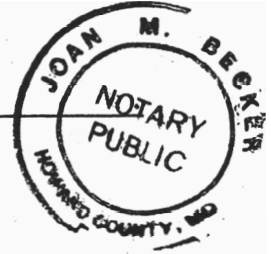
My commission expires: 10/01/03

STATE OF MARYLAND, Adel Casy, to wit:

I HEREBY CERTIFY that on this 9th day of October, 2002, before me, the subscriber, a Notary Public, for the State of Maryland, personally appeared MONICA LYNN ADAMS, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument and acknowledged that she executed the same for the purposes therein contained and in my presence signed and sealed the same.

WITNESS my hand and Notarial Seal.

[Signature]
Notary Public



My commission expires: 10/01/03

STATE OF MARYLAND, Adel Casy, to wit:

I HEREBY CERTIFY that on this 9th day of October, 2002, before me, the subscriber, a Notary Public, for the State of Maryland, personally appeared BRIAN T. WYNNE, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument and acknowledged that he executed the same for the purposes therein contained and in my presence signed and sealed the same.

WITNESS my hand and Notarial Seal.

[Signature]
Notary Public



My commission expires: 10/01/03

STATE OF MARYLAND, Attest, to wit:

I HEREBY CERTIFY that on this 9th day of October, 2002, before me, the subscriber, a Notary Public, for the State of Maryland, personally appeared KAREN L. WYNNE, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument and acknowledged that she executed the same for the purposes therein contained and in my presence signed and sealed the same.

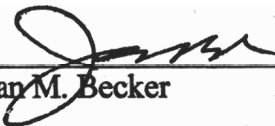
WITNESS my hand and Notarial Seal.

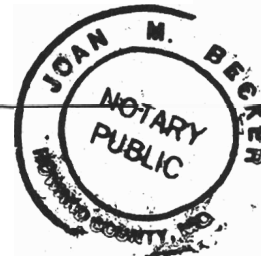

Notary Public



My commission expires: 10/01/03

Pursuant to the provisions of the Real Property Article of the Annotated Code of Maryland, this is to certify that the within Declaration of Easement was prepared by the undersigned, an attorney at law duly admitted to practice and in good standing with the Court of Appeals of Maryland.


Joan M. Becker



AFTER RECORDING RETURN TO:
Joan M. Becker, Esquire
Joan M. Becker, LLC
15300 Carrs Mill Road
Woodbine, MD 21797

C:\JMB\wynne.eas.doc

EXHIBIT "B"

LEGAL DESCRIPTION
SEPTIC EASEMENT FOR TAX MAP 14, PARCEL 25
ON TAX MAP 14 PARCEL 24

Beginning for the same at a point on and distant 128.08 feet from the beginning of the Eleventh or North 80 degrees 10 minutes 43 seconds West 437.91 foot line of the Confirmatory Deed dated January 3, 2002 and recorded among the Land Records of Howard County, Maryland in Liber 5895 folio 686, thence binding on a portion of said Eleventh line

1. North 80 degrees 10 minutes 43 seconds West 22.51 feet, thence For new lines of this easement the following seven courses and distances, viz:
2. North 28 degrees 04 minutes 47 seconds East 149.79 feet, thence
3. North 17 degrees 13 minutes 18 seconds East 135.52 feet, thence
4. South 72 degrees 53 minutes 16 seconds East 134.55 feet, thence
5. South 22 degrees 05 minutes 33 seconds West 86.74 feet, thence
6. South 47 degrees 40 minutes 01 seconds West 32.66 feet, thence
7. North 83 degrees 37 minutes 21 seconds West 89.64 feet, thence
8. South 28 degrees 04 minutes 47 seconds West 151.25 feet to the point of beginning.

Said Septic Easement contains 19033 square feet or 0.4369 acres more or less.

Being a Septic Easement for Tax Map 14 Parcel 25 which is located on adjoining Parcel 24, said Parcel 24 and 25 being described in a Confirmatory Deed dated January 3, 2002 and recorded among the Land Records of Howard County, Maryland in Liber 5895 folio 686.


Oct 16, 2002

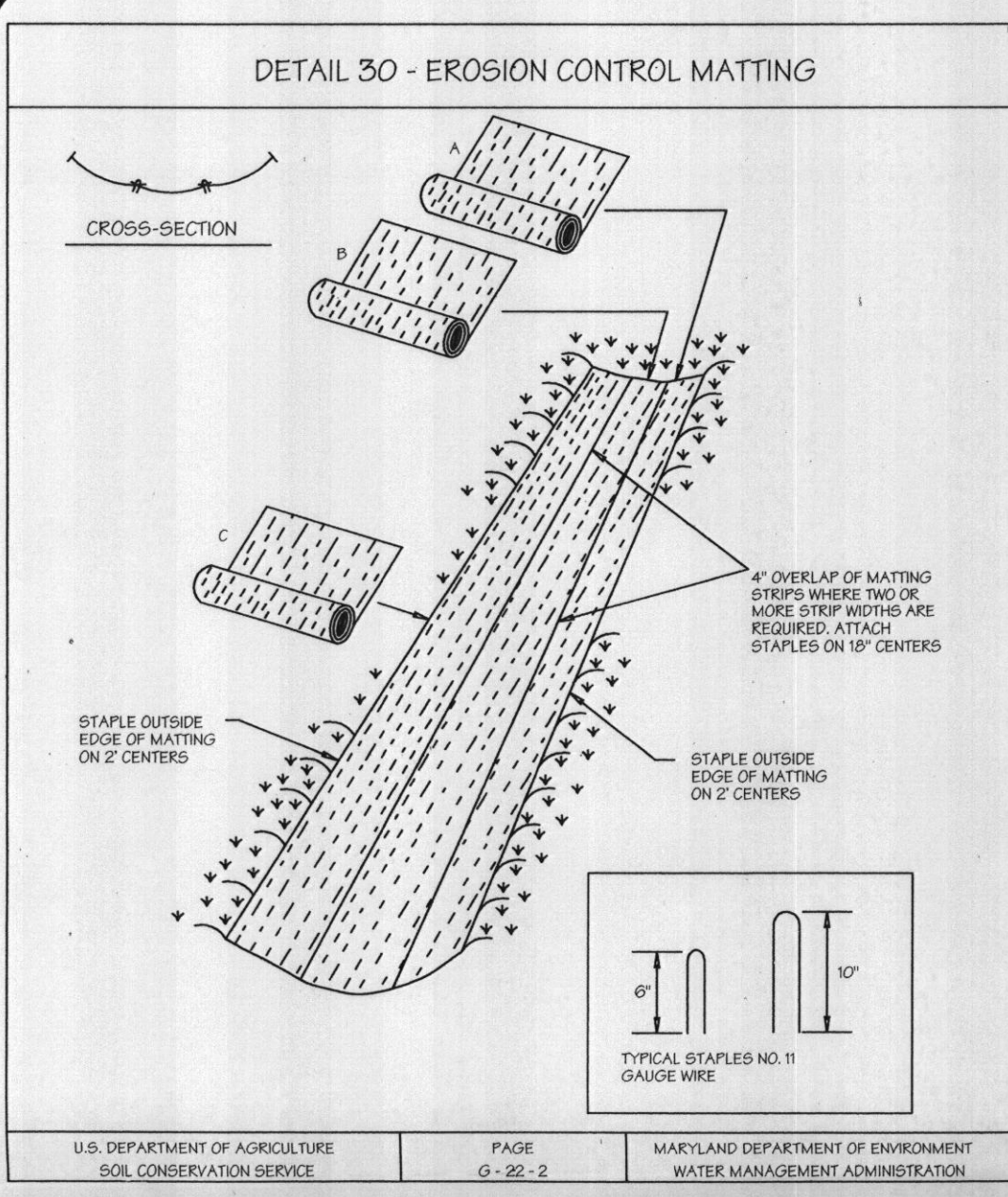
24sep-ease.doc

September 23, 2002

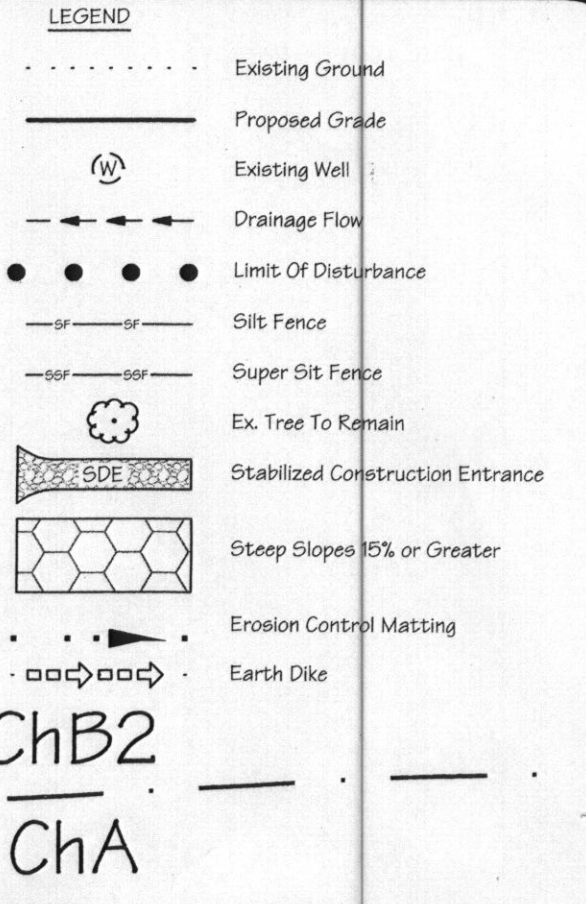
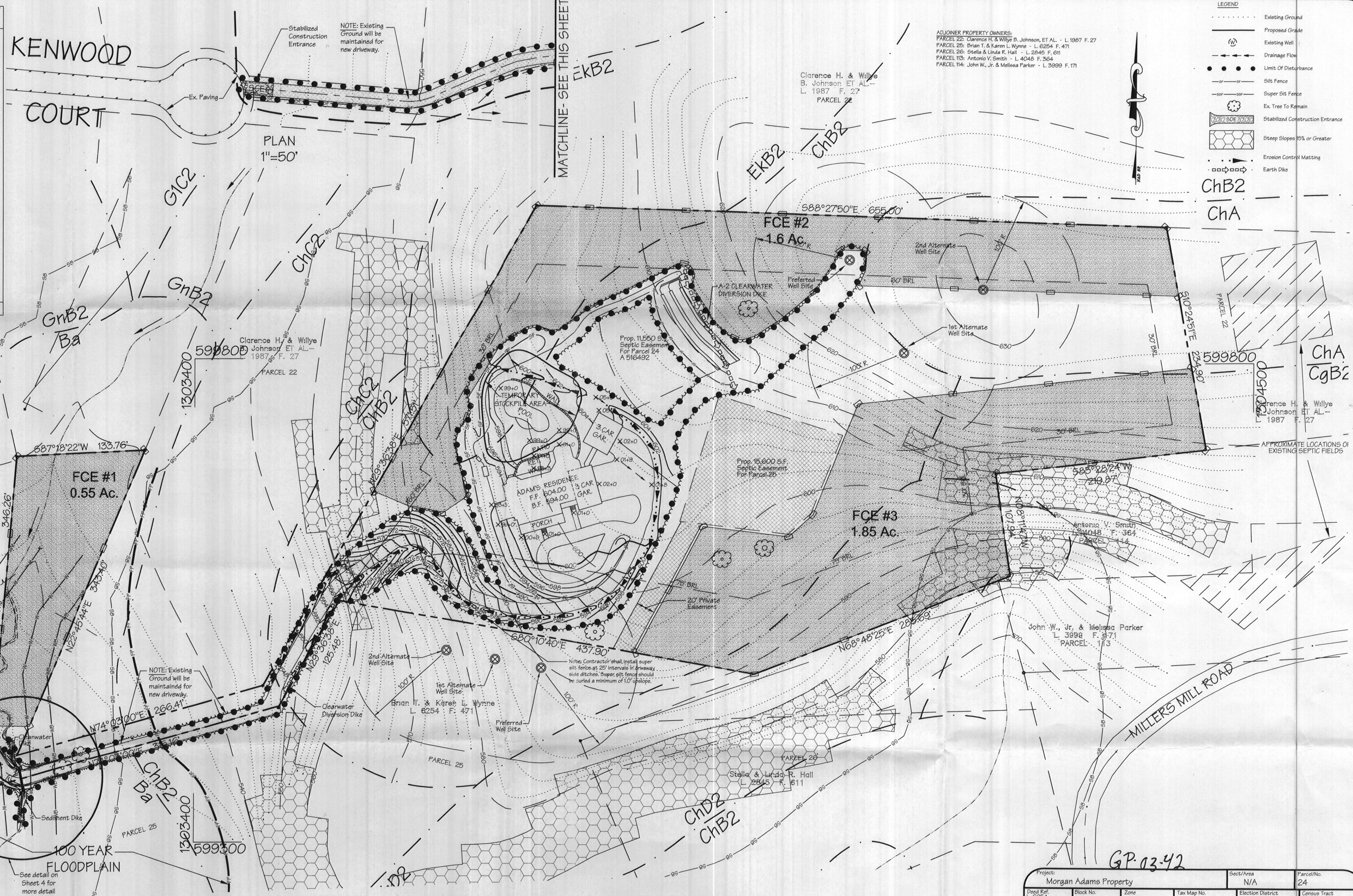
LDE INC.
9250 Rumsey Road Suite 106
Columbia, Maryland 21045
(410) 715-1070 (410) 715-9540

IMP FD SURE \$	5.00
RECORDING FEE	20.00
TOTAL	25.00
Rest H003	
APR	
2002	
REC'D # 69772	
BLK # 3609	
11001	





- Construction Specifications**
- Key-in the matting by placing the top ends of the matting in a narrow trench, 6" in depth. Backfill the trench and tamp firmly to conform to the channel cross-section. Secure with a row of staples about 4" down slope from the trench. Spacing between staples is 6".
 - Staple the 4" overlap in the channel center using an 18" spacing between staples.
 - Before stapling the outer edges of the matting, make sure the matting is smooth and in firm contact with the soil.
 - Staples shall be placed 2' apart with 4 rows for each strip, 2 outer rows, and 2 alternating rows down the center.
 - Where one roll of matting ends and another begins, the end of the top strip shall overlap the upper end of the lower strip by 4", shiplap fashion. Reinforce the overlap with a double row of staples spaced 6" apart in a staggered pattern on either side.
 - The discharge end of the matting liner should be similarly secured with 2 double rows of staples.
- Note: If flow will enter from the edge of the matting then the area affected by the flow must be keyed-in.



MATCHLINE-SEE THIS SHEET

MATCHLINE-SEE THIS SHEET

NO WORK MAY OCCUR WITHIN THE STREAM BETWEEN OCTOBER 1 AND MAY 31

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

DIRECTOR: _____ DATE: _____

CHIEF, DIVISION OF LAND DEVELOPMENT: _____ DATE: _____

CHIEF, DEVELOPMENT ENGINEERING DIVISION: _____ DATE: _____

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS.

Jim Mays 4/29/03
 NATIONAL RESOURCE CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

John R. Rhoton 4/29/03
 HOWARD SOIL CONSERVATION DISTRICT

ENGINEER'S CERTIFICATE

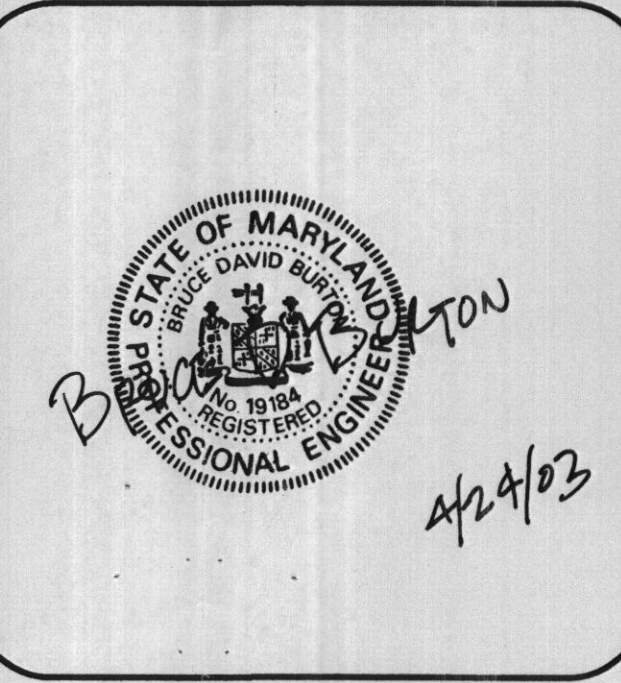
I CERTIFY THAT THIS PLAN FOR EROSION CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON VISUAL AND TEST SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING DEPARTMENT OF ENGINEERING.

Bruce D. ... 4/24/03
 PROFESSIONAL ENGINEER

DEVELOPER'S CERTIFICATE

I WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

? _____ 4/24/03
 SIGNATURE OF DEVELOPER DATE



No.	Date	Description

Project: Morgan Adams Property		Sect./Area: N/A	Parcel No.: 24
Dist. Ref. L. 6254 F. 474	Block No. 3 & 4	Tax Map No. RR-DEO 14	Election District 4th
Water Code: N/A	Sewer Code: N/A	Census Tract: -	

LDE, INC.
 9250 Rumsley Road, Suite 106, Columbia, MD. 21045
 (410) 715-1070 (301) 596-3424 (410) 715-9540 (Fax)

DESIGNED: SDH
 DRAWN: MBJ
 CHECKED: BDB
 DATE: 2/2003

MORGAN ADAMS PROPERTY

PARCEL 24
 Tax Map No. 14, Grids 3 & 4
 4th Election District, Howard County, Maryland

OWNER: WM. MORGAN, JR. & MONICA LYNN ADAMS
 15055 Busty Park Road
 Woodbine, Maryland 21797
 410-442-2615

SCALE: 1"=50'
 DRAWING: 2 of 8
 JOB NO.: 00-066.2
 FILE NO.: _____

GENERAL NOTES

1. THE PURPOSE OF THIS SITE DEVELOPMENT PLAN IS TO PROVIDE CONSTRUCTION DOCUMENTS FOR A SINGLE FAMILY RESIDENCE ON PARCEL 24, IN ACCORDANCE WITH THE SITE DEVELOPMENT PLAN REGULATIONS.

2. The contractor shall notify the Department of Public Works / Bureau of Engineering / Construction Inspection Division at 410-302-1800 at least five (5) working days prior to beginning work.

3. The existing topography shown hereon was taken from a field run survey with two foot contour intervals prepared by LDE, Inc. in September, 2002.

4. The boundary shown hereon is based on a field run boundary survey performed by LDE, Inc. in March, 2000.

5. Horizontal and vertical datum's are related to the Maryland State Plane Coordinate System as projected from Howard County control stations No. 08GC and 08H5 (NAD 83).

6. All construction shall be in accordance with the latest standards and specifications of Howard County Design Manual Vol. IV and current MSHA standards & specifications.

Project Background:
 Location: Woodlawn, Maryland
 Tax Map: Map 14
 Tax Map Parcel: 24
 Grid: 3 & 4
 Election District: 4th

7. Existing zoning: RR-DEO (Rural residential-density exchange option) per 2000 Comprehensive Zoning Plan.
 8. Current Deed Reference: Parcel 24: L 6254 / F. 474
 9. Any damage caused by the contractor to existing public right-of-way, existing paving, existing curb and gutter, existing utilities, etc. shall be corrected at the contractor's expense.

10. The existing utilities shown hereon are located from field surveys and construction drawings of record. The contractor shall locate existing utilities to his own satisfaction and well in advance of any construction activities. Additionally, the contractor shall take all necessary precautions to protect all existing utilities and maintain uninterrupted service. Any damage incurred to utilities or existing features due to contractor's operation shall be repaired immediately at the contractor's expense.

11. There may be additional utilities not shown on these plans. The engineer assumes no responsibility for utility locations not shown and it shall be the responsibility of the contractor to verify the locations of all existing utilities within the limits of construction and notify the engineer of any discrepancies, prior to the start of construction.

12. **Site Analysis Data:**
 a. Total Project Area: 7.99 Ac / 348,048.75 Sq. Ft. (Parcel 24) + 0.2715 Ac / 16,184.3 Sq. Ft. (driveway easement) Total = 8.26 Ac / 364,233.05 Sq. Ft.
 b. Area of Plan Submission: 0.36 Ac / 15,624.00 Sq. Ft.
 c. Limit of Disturbed Area: 2.20 Ac / 96,832 Sq. Ft.
 d. Present Zoning: RR-DEO
 e. Proposed site use: (1) Single Family Detached House
 f. Present Use: Wooded / non-developed
 g. Proposed Site and Structure Use: SFD Residential
 h. Total site impervious area: 0.78 Acres (9,303)

13. For driveway entrance details refer to the Howard County Design Manual Volume IV, Standard Detail R-6.06
 14. A wetland investigation for this site was conducted by LDE, Inc. in April, 2000.
 15. This site is subject to the requirements of the Howard County Forest Conservation Act, as outlined in the latest Howard County Forest Conservation Manual. This project complies with the requirements of Section 16.1200 of the Howard County Code for Forest Conservation by the retention of 4.00 acres of existing forest onsite.
 16. Adjustments to the sequence of construction shall be approved by the Howard County Department of Inspections, Licenses and Permits, prior to such adjustments.
 17. This site is not located within the Metropolitan District. This site will utilize private water and sewer facilities.
 18. Stormwater quality and quantity management for this site will be provided via the use of Stormwater Credits, as specified in the "2000 Maryland Stormwater Design Manual, Volumes 1 & 2, Chapter 5."
 19. Building dimensions shown hereon are approximate only. Refer to the architectural plans for building dimensions.
 20. A Noise Study is not required for this project.
 21. A Traffic Analysis is not required for this project.
 22. Earthwork quantities shown on this plan are estimated and should not be used for bid purposes. Contractors should perform independent earthwork analysis for bid purposes.
 23. Deviations from these plans and specifications without prior written consent of the civil engineer may cause the work to be unacceptable.
 24. The dimensioned distances shall govern if scaled and dimensioned distances on this plan are found to be in disagreement.
 25. Landscaping requirement per Section 16.124 of the Subdivision and Land Development Regulations shall be provided in accordance with a landscape plan on file with this site plan. Surety in the amount \$450,000 shall be made part of the Grading Permit surety for this site plan.
 26. The 100 year floodplain shown hereon was taken from the latest Howard County Coastal Floodplain Study, a HEC-2/RAS Model, using the 100 year peak discharge from the County Study, was run by LDE, Inc. for the sole purpose of demonstrating "no increase" in the 100 year flood elevations will result due to the installation of the proposed driveway culvert.
 27. The use-of-common driveway shall be provided prior to issuance of a Use and Occupancy Permit for the new dwelling to ensure safe access for fire and emergency vehicles per the following minimum requirements:
 a. Width: 14 Feet
 b. Surface: 6" compacted crusher run base with tar and chip coating (1-1/2" min.)
 c. Geometry: 10% max. grade; 10% max. grade change; 45 ft. min. radius.
 d. Structures: Culverts/bridges capable of supporting H-20 loading.
 e. Drainage elements: Culvert shall pass the existing bankfull capacity of the stream with the remainder of flow overflowing the driveway. (Per MDE requirements)
 f. Maintenance: Sufficient to insure all weather conditions.
 28. The retaining walls shown hereon are for location only. The design of the retaining walls is by others.

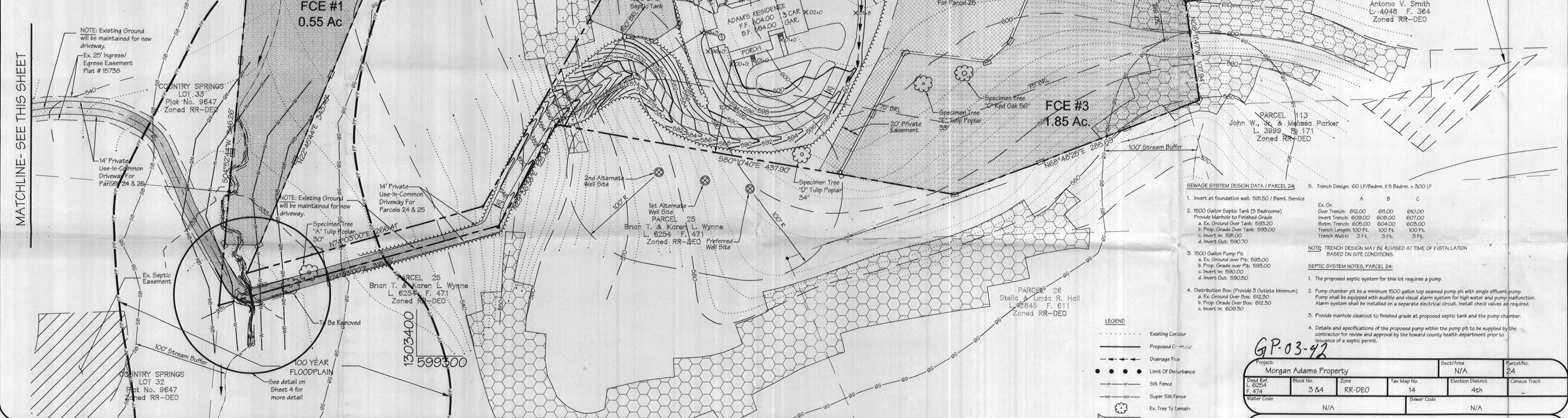
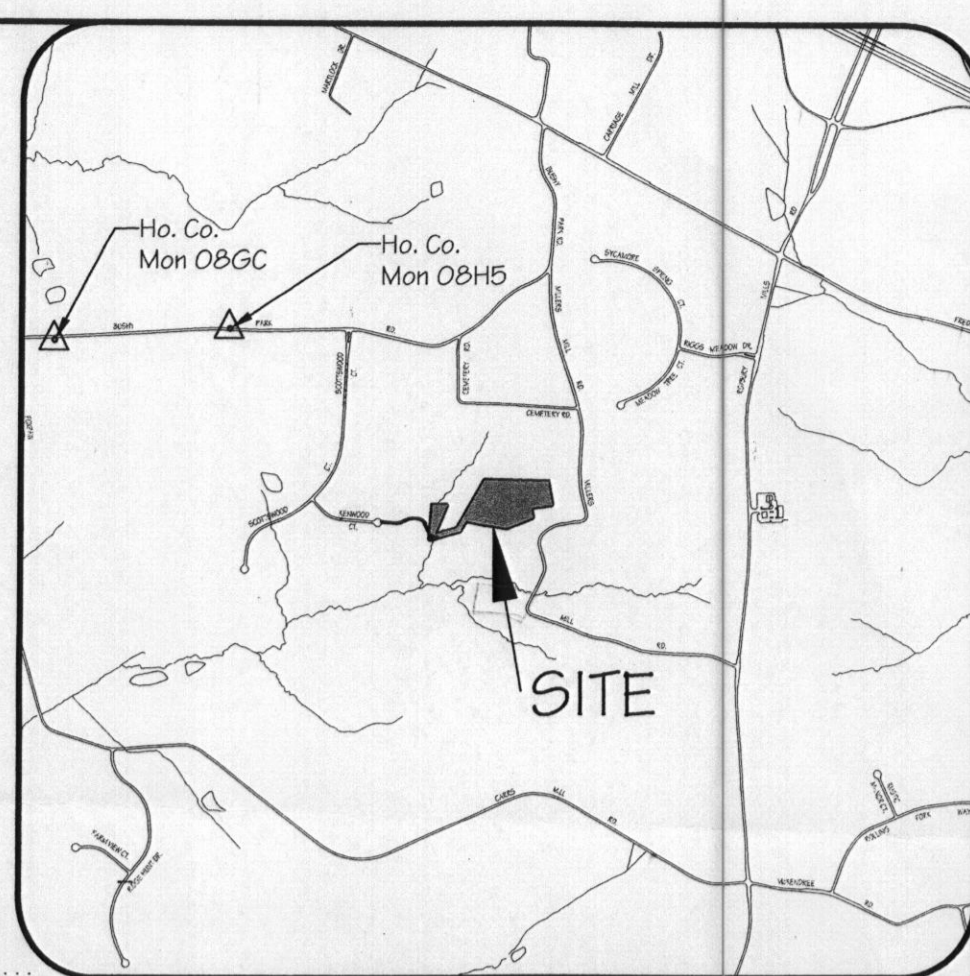
INDEX OF SHEETS

No.	Description
1	Plot Plan for Building Permit
2	Grading and Sediment Control Plan
3	Grading and Sediment Control Notes & Details
4	Culvert Plan & Profiles
5	Stormwater Management Plan
6	Forest Stand Delineation
7	Forest Conservation/Landscape Plan
8	Forest Conservation Notes & Details

BENCHMARKS

HOWARD COUNTY GEODETIC CONTROL: 08H5
 Elevation: 613.086
 Station is a standard stamped disc set on top of concrete monument. Located 6.0' North of edge of paving along West bound lane of Bushy Park Road. Approximately 30.8' West of G&E Pole #226995 / C&P #20.

HOWARD COUNTY GEODETIC CONTROL: 08GC
 Elevation: 567.252
 Station is a standard stamped disc set on top of concrete monument. Located 2.6' South of edge of paving along East bound lane of Bushy Park Road, approximately 85' West of intersection with driveway serving 15284 Bushy Park Road.



SEWAGE SYSTEM DESIGN DATA / PARCEL 24

	A	B	C
1. Invert at foundation wall: 591.50 / Beam. Service			
2. 1500 Gallon Septic Tank (5 Bedrooms)			
Provide Manhole to Finished Grade			
a. Ex. Ground Over Tank: 593.20	612.00	611.00	610.00
b. Prop. Grade Over Tank: 593.00	608.00	607.00	607.00
c. Invert In: 591.00	604.00	603.00	603.00
d. Invert Out: 590.70	600.00	600.00	600.00
3. 1500 Gallon Pump Pit			
a. Ex. Ground over Pit: 593.00			
b. Prop. Grade over Pit: 593.00			
c. Invert In: 590.00			
d. Invert Out: 590.50			
4. Distribution Box (Provide 3 Outlets Minimum)			
a. Ex. Ground Over Box: 612.30			
b. Prop. Grade Over Box: 612.30			
c. Invert In: 609.30			

5. Trench Design: 60 LF/Bedrm. x 5 Bedrm. = 300 LF

NOTE: TRENCH DESIGN MAY BE REVISED AT TIME OF INSTALLATION BASED ON SITE CONDITIONS.

SEPTIC SYSTEM NOTES, PARCEL 24:

- The proposed septic system for this lot requires a pump.
- Pump chamber pit to be a minimum 1500 gallon top sealed pump pit with single effluent pump. Pump shall be equipped with audible and visual alarm system for high water and pump malfunction. Alarm system shall be installed on a separate electrical circuit. Install check valves as required.
- Provide manhole cleanout to finished grade at proposed septic tank and the pump chamber.
- Details and specifications of the proposed pump within the pump pit to be supplied by the contractor for review and approval by the Howard County Health Department prior to issuance of a septic permit.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

DIRECTOR: _____ DATE: _____

CHIEF, DIVISION OF LAND DEVELOPMENT: _____ DATE: _____

CHIEF, DEVELOPMENT ENGINEERING DIVISION: _____ DATE: _____

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS.

Jim Muzyn 4/29/03
 NATURAL RESOURCE CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

John K. Roberts 4/29/03
 HOWARD SOIL CONSERVATION DISTRICT

ENGINEER'S CERTIFICATE

I CERTIFY THAT THIS PLAN FOR SEPTIC SYSTEM CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MEASUREMENT OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL FOR SOIL CONSERVATION DISTRICT.

BRUCE D. ... 4/24/03
 PROFESSIONAL ENGINEER

DEVELOPER'S CERTIFICATE

I WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

? 4/24/03
 SIGNATURE OF DEVELOPER

REVISIONS

No.	Date	Description

LEGEND

- Existing Contour
- Proposed Contour
- Drainage Flow
- Limit of Disturbance
- Silt Fence
- Super Silt Fence
- Ex. Tree To Remain
- Stabilized Construction Entrance
- Steep Slopes 15% or Greater

GP-03-92

Project: Morgan Adams Property

Parcel No. 24	Zone N/A	Section/Area N/A
Deed Ref. L 6254 F. 474	Block No. 3 & 4	Tax Map No. 14
Water Code N/A	RR-DEO	Election District 4th
		Census Tract -
		Sewer Code N/A

LDE, INC.
 9250 Rumsey Road, Suite 106, Columbia, MD. 21045
 (410) 715-1070 (301) 596-3424 (410) 715-9540 (Fax)

DESIGNED: S.D.H. Plot Plan for Building Permit SCALE: 1"=50'

DRAWN: J.D.R. **MORGAN ADAMS PROPERTY** DRAWING: 1 of 8

CHECKED: B.D.B. PARCEL 24 - has parcel 25's Tax Map No. 14, Grids 3 & 4 Sewer easement on it JOB NO.: 00-066.2

DATE: 2/2003 OWNER: WM. MORGAN, JR. & MONICA LYNN ADAMS FILE NO.: 00-066.2

15035 Bushy Park Road
 Woodbine, Maryland 21797
 410-442-2615

This plan proposed for septic installation for residence on parcel 24