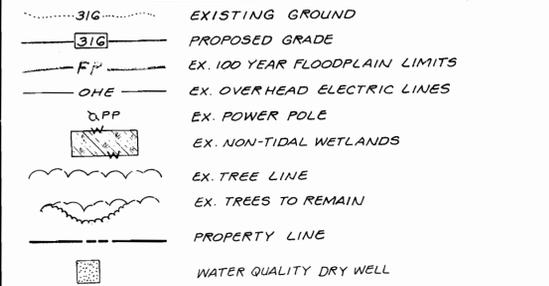


VICINITY MAP
Scale 1" = 200'
General Notes

- All construction shall be in accordance with the latest standards and specifications of Howard County Design Manual 10.11 and 10.12 and the standards and specifications of the Department of Public Works/Bureau of Engineering / Construction Inspection at (410) 313-1550 at least five (5) working days prior to the start of work.
- The contractor shall notify "Miss Utility" at 1-800-257-7777 at least forty-eight (48) hours prior to any excavation work.
- Project Background:
 - Location: Columbia, Maryland - 21045
 - Map / Parcel: Map 37 / F. 323 & F. 324
 - Deal Reference(s): F. 324 L. 5122 F. 600 - Exhibit C
 - Project(s): F. 323 L. 5122 F. 670 - Exhibit D
 - R - 12 (Residential Single)
 - Election District: 6th
 - Previous Submittals: N/A
- Site Analysis:
 - a. Total project area: 2.020 acres +/-
 - b. Area of Plan Submission: 2.020 acres +/-
 - c. Limits of Disturbed Area: 1520 sq. ft.
 - d. Proposed Use of Structure: Residential Single Family Detached Dwelling
 - e. Total # of Units Allowed: 2
 - f. Total # of Units Proposed: 2 (1 Proposed Parcel 324 - 1 Existing Parcel 323)
- The subject property is zoned R-12 (Residential Single) per 1010000 Comprehensive Zoning Plan.
- Any damage caused by the contractor to existing public rights-of-way, existing paving, existing curb and gutter, existing utilities, etc. shall be corrected at the contractor's expense.
- The existing utilities shown herein are located from field surveys and construction drawings of record. The approximate location of existing utilities are shown for the contractor's information and convenience. 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.
- The topography shown herein is compiled from field run topography prepared by LDE, Inc. in January 1999 and construction drawings of public record.
- Horizontal and Vertical datum's are related to the Maryland State Plane Coordinate System as projected from Howard County Geodetic Control Station No. 27 GP and 43 A (NAD 83).
- The property shown herein is based on a field run boundary survey performed by LDE, Inc. dated January 1999.
- The proposed Water and Sewer systems will be by extensions & house connections from Contract # 20-004.
- The property is located within the Metropolitan District.
- The existing structure at 8380 Lark Brown Road (Parcel 323) will remain.
- All hydraulic data is for the 10-year storm unless otherwise noted.
- See sheet 2 for construction sequence.
- SDS completion in all fill areas shall be determined by a SIGHT-1-800.
- Driveway(s) shall be provided prior to residential occupancy to insure safe access for fire and emergency vehicles per the following minimum requirements:
 - a) Width - 12' (14 feet preferred) minimum
 - b) Surface - 6 inches of compacted crusher run base with tar and chip coating (1-1/2" min)
 - c) Geometry - Maximum 6% grade, max. 10% grade change and minimum of 45 feet turning radius.
 - d) Structures (curbs/bridges) - capable of supporting 20 gross tons (H2D loading).
 - e) Drainage Elements - Capable of safely passing 100 year flood with no more than 1-foot depth over driveway surface.
 - f) Maintenance - sufficient to insure all weather use.
- Where one (1) driveway serves more than one (1) lot, a house number sign must be placed at each lot entrance and a range of street address house numbers sign where the common driveway intersects with the main road.
- For flag or pipelimit lots, refuse collection, snow removal and sign maintenance are to be provided to the junction of the specimen of flag and the right-of-way line only and not onto the pipelimit or flag driveway.
- No clearing, grading or construction is permitted within the required wetlands, stream(s) or their buffers, forest conservation easement areas or floodplains.
- The contractor shall be responsible for maintaining full ingress and egress to the existing dwelling (8380 Lark Brown Road) during construction operations.
- In accordance with Section 107 of the Howard County Zoning Regulations, bay windows, chimneys or exterior stairways not more than 10 feet in width may project not more than 4 feet into any setback. Firehose or deck, open or enclosed may project not more than 10 feet into the front or rear yard setback.
- There are no existing steep slopes within the boundaries of the site as outlined in Section 161000(5)(b) of the Subdivision and Land Development Regulations.
- The Wetland Investigation was completed by Hilman Environmental Services dated May 13, 1999 and reviewed by the Army Corps of Engineers as part of the now-closed 599-22 plan. The wetland delineation however will remain constant until May 2004 +/-.
- The Forest Conservation obligations for 0.10 +/- ac. of afforestation for this site, have been fulfilled under F-01-03/Meadebank subdivision, by the payment of a fee-in-lieu in the amount of \$ 2091.00 to the Forest Conservation Fund in accordance with Section 161200 of the Howard County Code and Forest Conservation Manual.
- Landscaping for Parcel 323, in accordance with Section 16124 of the Howard County Code and Landscape Manual, shall be fulfilled according with a certified landscape plan per the new FOI-61/Meadebank Subdivision. The site shall be landscaped with a minimum of 10 trees 10" DBH. The Existing 24" Ingress & Egress Easement (L. 4606 / F. 107) and the existing 14" driveway within said easement shall be abandoned with the recordation of future subdivision plan FOI-61. The proposed Private 24" Sewer and User's Common Access easement is reserved for Parcel 323, 324 and future Subdivision plans FOI-61 & FOI-62.
- In addition, the existing driveway serving 8380 Lark Brown Road (Parcel 323) shall be abandoned with the recordation of future subdivision plan FOI-61.



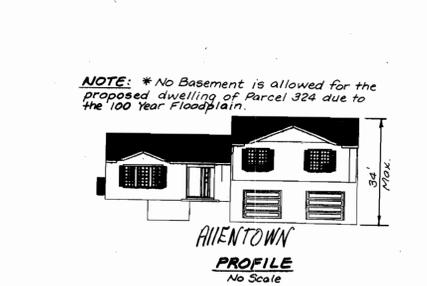
AXIAL SHIFTS

Device #	Min. Criteria Degree of Bend	Actual Degree of Bend
Single Critical Bend #1	60 Degree Min. Deflection	Deflection = 83 Degrees
Single Critical Bend #2	60 Degree Min. Deflection	Deflection = 73 Degrees

Sewer House Connection Table

Parcel #	Inv. Main	Inv. Prop. Line	Min. Cellar Elev.
323	304.26	304.46	311.00
324	303.65	303.85	307.00

"LARK BROWN ESTATES"
PLAT # 8325
ZONED: R-12
(F 88 - 178)



SHEET INDEX

Sheet No.	Title
1	Site Development Plan
2	Grading & Soil Erosion and Sediment Control Plan
3	Grading & Soil Erosion and Sediment Control Plan - Details & Notes

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Mr. Downum 5/10/01
CHIEF, DEVELOPMENT ENGINEERING DIVISION

Cindy Amato 5/11/01
CHIEF, DIVISION OF LAND DEVELOPMENT

John... 5/15/01
RECORDED

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

Jim Mayne 5/18/01
NATURAL RESOURCE CONSERVATION

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

John Robertson 5/18/01
HOWARD SOIL CONSERVATION DISTRICT

ENGINEER'S CERTIFICATE

"I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE DESIGN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND HAVING BEEN PREPARED IN ACCORDANCE WITH REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

Barco D. B... 6/27/00
SIGNATURE OF 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 TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS I/WE DEEMED NECESSARY."

Mark A. Pritchett 6/27/00
SIGNATURE OF DEVELOPER



REVISIONS

No.	Date	Description

ADDRESS CHART

Lot/Parcel No.	Street Address
323	# 8380 Lark Brown Road
324	# 8370 Lark Brown Road

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

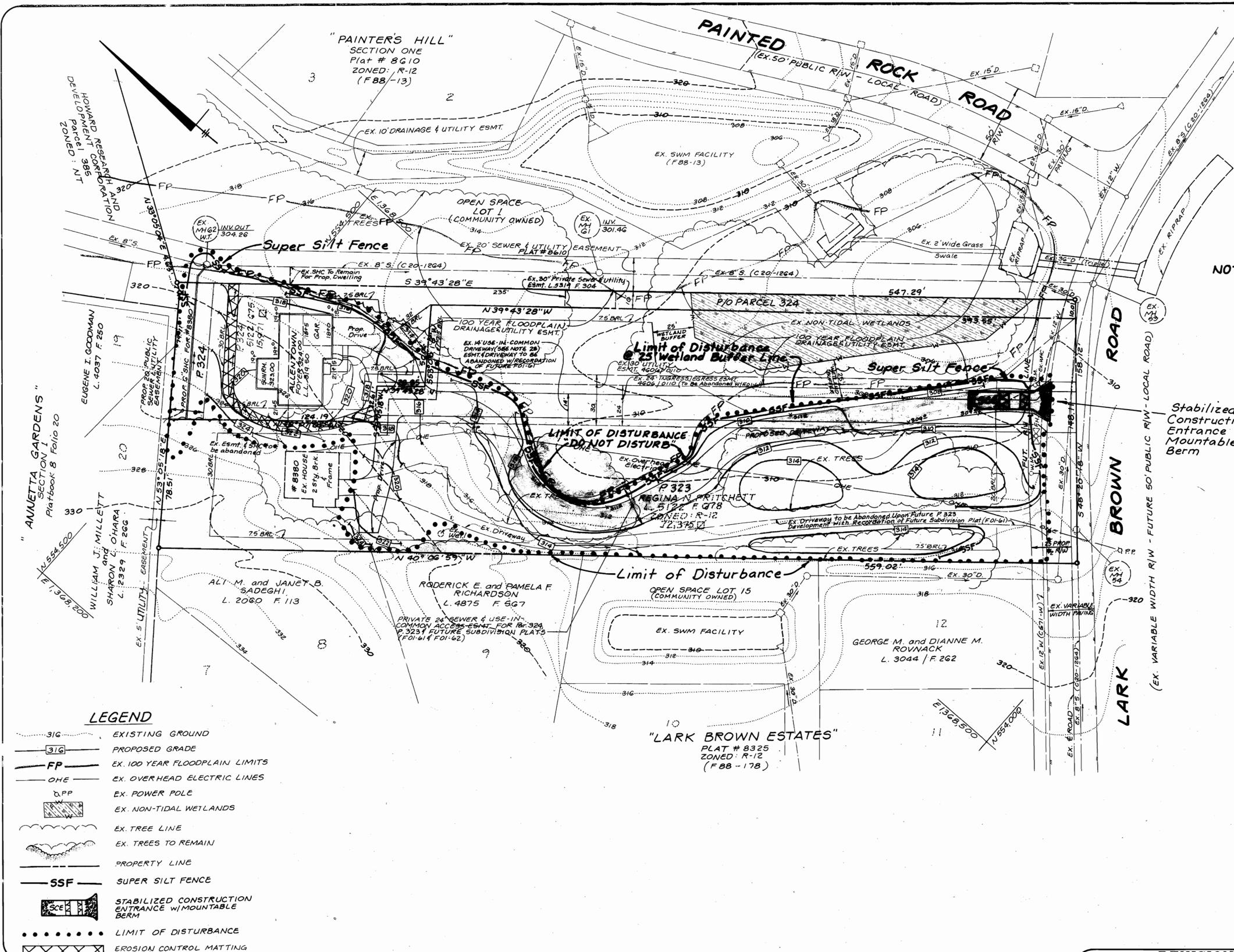
DESIGNED: BDB, EDS
DRAWN: KWB, STB
CHECKED: BDB
DATE: 4/2001

PROPERTY OF
Glen C. Hayes & Regina N. Pritchett

Libr. 5122 - Folio 0675 & Libr. 5122 - Folio 0678
Tax Map No. 37 - Grid No. 19 - Parcel 323 & 324
6th Election District - Howard County, Maryland

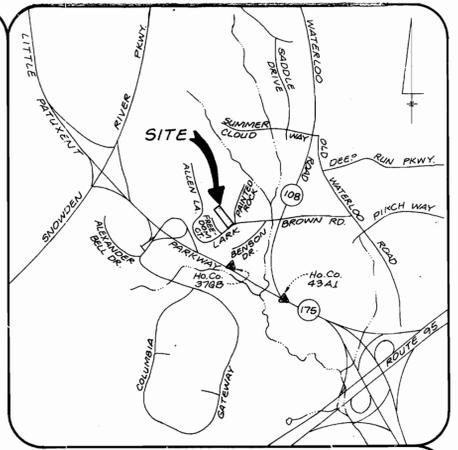
OWNER / DEVELOPER
REGINA PRITCHETT
6375 HANOVER CROSSING Way
Elkridge, Maryland 21076

SCALE: 1" = 30'
DRAWING: 1 of 3
JOB NO.: 98-088
FILE NO.: SDP00-150



HOWARD COUNTY GEODETIC CONTROL: 37 GB
 Elevation: 325.919 ft
 Station is a 3" Aluminum disc set on top of 3/4" Iron Rod
 Station is located on the east margin of westbound
 Route 175, 45' +/- southwest of the inlet in the southernmost
 corner of the parking lot of TGI Friday's restaurant on
 Benson Drive.

HOWARD COUNTY GEODETIC CONTROL: 43 A1
 Elevation: 307.455 ft
 Station is a standard stamped disc set on top of Concrete
 Monument set flush with the ground surface. Station is
 located in the median 0.25 miles from the Route 106 Traffic
 Light.



VICINITY MAP
 Scale 1" = 2000'

NOTE: LIMIT OF DISTURBANCE SHALL BE LOCATED AT THE 25' WETLAND BUFFER LINE. NO DISTURBANCE TO BUFFER IS ALLOWED.

CONSTRUCTION SEQUENCE

- NOTE: Access to the existing dwelling per the existing driveway shall be clear for vehicular passage at all times.
1. Obtain Grading Permit. - 1 Day
 2. Construct Stabilized Construction Entrance. - 1 Day
 3. Install Super Silt Fence where shown hereon. - 2 Days
 4. Clear and Grub site. - 3 Days
 5. Begin excavation for house foundation and begin house construction. - 90 days
 6. Grade Site as shown hereon and stabilize the disturbed areas with permanent seeding mixture and straw mulch. - 5 Days
 7. Contractor shall inspect and provide necessary maintenance on the sediment control devices shown on this plan after each rainfall and on a daily basis. - 1 Day
 8. Remove sediment from Lark Brown Road. - Daily
 9. After permission has been given from the sediment control inspector, complete grading for the proposed private use in common driveway. - 3 Days
 10. Put the proposed private use in common driveway to sub-base and abandon the use of the existing driveway. - 3 Days
 11. Dress stabilized construction entrance as required and stabilize the disturbed areas with permanent seeding mixture and straw mulch. - 1 Day
 12. Fine grade all disturbed remaining areas and stabilize the disturbed areas with permanent seeding mixture and straw mulch. - 3 Days
 13. After permission has been given by the sediment control inspector, remove sediment control devices and stabilize all remaining disturbed areas with permanent seeding mixture and straw mulch. - 2 Days
- TOTAL TIME: 115 Days +/-

Stabilized Construction Entrance w/ Mountable Berm

LEGEND

	EXISTING GROUND
	PROPOSED GRADE
	EX. 100 YEAR FLOODPLAIN LIMITS
	EX. OVERHEAD ELECTRIC LINES
	EX. POWER POLE
	EX. NON-TIDAL WETLANDS
	EX. TREE LINE
	EX. TREES TO REMAIN
	PROPERTY LINE
	SUPER SILT FENCE
	STABILIZED CONSTRUCTION ENTRANCE W/ MOUNTABLE BERM
	LIMIT OF DISTURBANCE
	EROSION CONTROL MATTING

APPROVED: DEPARTMENT OF PLANNING AND ZONING

[Signature] 5/10/01
 CHIEF, DEVELOPMENT ENGINEERING DIVISION MAT

[Signature] 5/11/01
 CHIEF, DIVISION OF LAND DEVELOPMENT

[Signature] 5/15/01
 DIRECTOR

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

[Signature] 5/18/01
 NATURAL RESOURCE CONSERVATION SERVICE

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

[Signature] 5/18/01
 HOWARD SOIL CONSERVATION DISTRICT

ENGINEER'S CERTIFICATE

"I HEREBY CERTIFY THAT THIS PLAN FOR SOIL EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE DESIGN AND THAT I HAVE PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT I HAVE PREPARED IN ACCORDANCE WITH REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

[Signature] 5/18/01
 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 FEELING DISCREPANCY INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

[Signature] 6/27/00
 SIGNATURE OF DEVELOPER



REVISIONS

No.	Date	Description

ADDRESS CHART

Lot/Parcel No.	Street Address
323	# 8380 Lark Brown Road
324	# 8370 Lark Brown Road

Subdivision Name:	PROPERTY OF Glen C. Hayes & Regina N. Pritchett	Section/Area:	N/A	Parcel No.:	323/324
Plot No.:	N/A	Block No.:	19	Zone:	R-12
Tax Map No.:	37	Election District:	6th	Census Tract:	60G1.03
Water Code:	E08	Sewer Code:	3450000		

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

Grading & Soil Erosion and Sediment Control Plan

DESIGNED: BDB/EDS
 DRAWN: KBW
 CHECKED: BDB
 DATE: 4/2001

SCALE: 1" = 30'
 DRAWING: 2 of 3
 JOB NO.: 95-088
 FILE NO.: SDP00-150

PROPERTY OF
 Glen C. Hayes & Regina N. Pritchett

Liber 5122 - Folio 0675 & Liber 5122 - Folio 0678
 Tax Map No. 37 - Grid No. 19 - Parcel 323 & 324
 6th Election District - Howard County, Maryland

OWNER / DEVELOPER
 REGINA PRITCHETT
 6375 Harover Crossing Way
 Elkridge, Maryland 21076

HOWARD SOIL CONSERVATION DISTRICT
STANDARD SEDIMENT CONTROL NOTES

- A minimum of 48 hours notice must be given to the Howard County Department of Inspections, Licenses and Permits, Sediment Control Division prior to the start of any construction, (313-1955).
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the most current "MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL", and revisions thereto.
- Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 days as to all other disturbed or graded areas on the project site.
- All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 7, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- All disturbed areas must be stabilized within the time period specified above in accordance with the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL (Section G) for permanent seeding, sod, temporary seeding, and mulching. Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
- All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
- Site Analysis:

Total Area of Site	2.028	Acres
Area Disturbed	1.12	Acres
Area to be roofed or paved	0.20	Acres
Area to be vegetatively stabilized	0.04	Acres
Total Cut	100 +/-	Cu. Yds.
Total Fill	2800 +/-	Cu. Yds.
Offsite waste/borrow area location	2800 Cu.Yds +/-	
- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment control must be provided, if deemed necessary by the Howard County Sediment Control Inspector.
- On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
- Trenches for the construction of utilities is limited to three pipe lengths or that which can be back filled and stabilized within one working day, whichever is shorter.

HOWARD SOIL CONSERVATION DISTRICT
PERMANENT SEEDING NOTES

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.

SEEDBED PREPARATION: Loosen upper three inches of soil by raking, disking, or other acceptable means before seeding, if not previously loosened.

- SOIL AMENDMENTS: In lieu of soil test recommendations, use one of the following schedules:
- PREFERRED -- Apply 2 tons per acre dolomitic limestone (92 lbs/1000sq. ft.) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq. ft.) before seeding. Harrow or disk into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 ureaform fertilizer (9 lbs/1000sq. ft.)
 - ACCEPTABLE -- Apply 2 tons per acre dolomitic limestone (92 lbs/1000sq. ft.) and 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000 sq. ft.) before seeding. Harrow or disk into upper three inches of soil.

SEEDING -- For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs per acre (1.4 lbs/1000sq. ft.) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs per acre (1.4 lbs/1000sq. ft.) of Kentucky 31 Tall Fescue and 2 lbs. per acre (.05 lbs/1000sq. ft.) of weeping lovegrass. During the period of October 16 thru February 28, protect site by: Option (1) - 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) - Use sod. Option (3) - Seed with 60 lbs. per acre Kentucky 31 Tall Fescue and mulch 2 tons / acre well anchored straw.

MULCHING -- Apply 1-1/2 to 2 tons per acre (70 to 90 lbs/1000sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000sq. ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000sq. ft.) for anchoring.

MAINTENANCE -- Inspect all seeding areas and make needed repairs, replacements and reseeding.

HOWARD SOIL CONSERVATION DISTRICT
TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be redistributed where a short-term vegetative cover is needed.

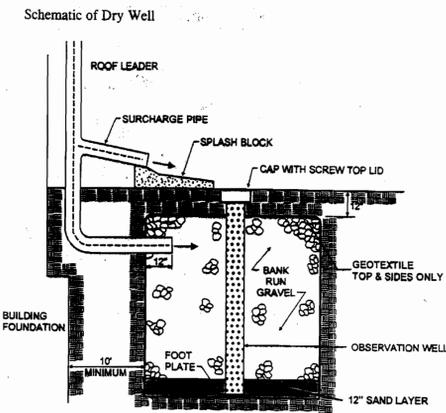
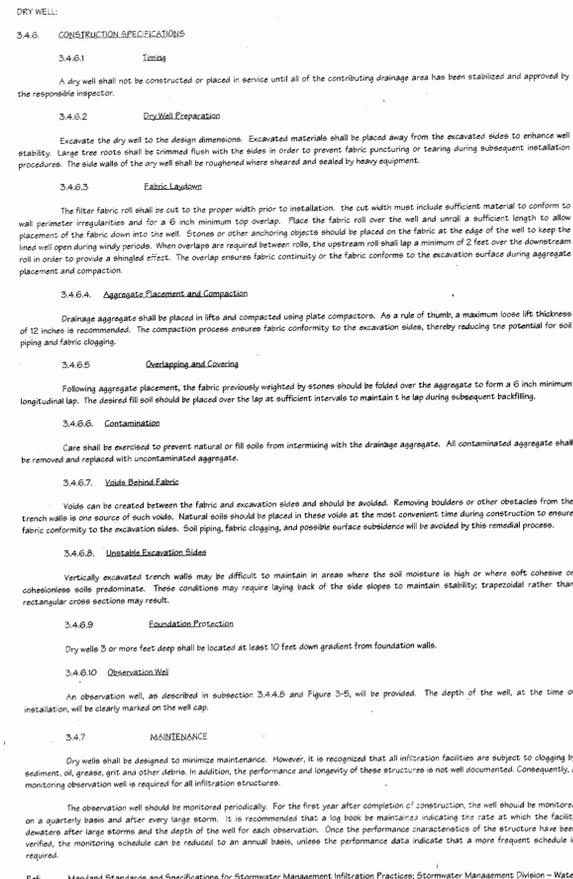
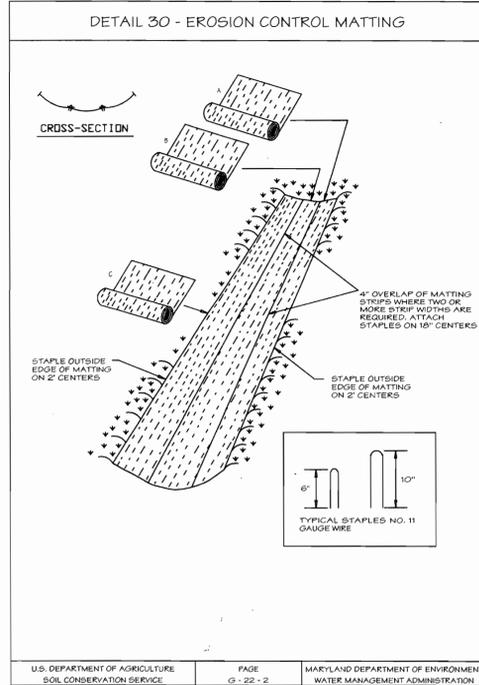
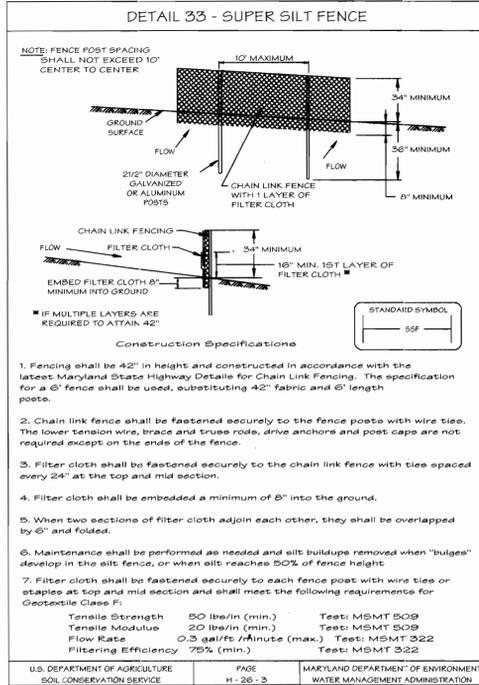
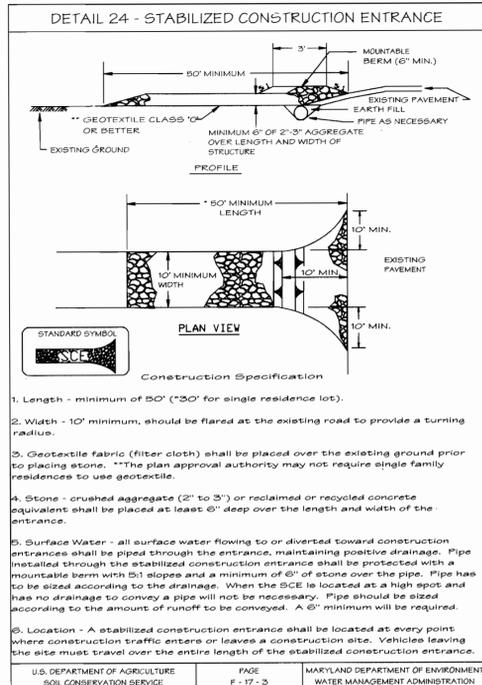
SEEDBED PREPARATION: -- Loosen upper three inches of soil by raking, disking, or other acceptable means before seeding, if not previously loosened.

SOIL AMENDMENTS: -- Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000sq. ft.).

SEEDING -- For periods March 1 thru April 30, and from August 15 thru October 15 seed with 2-12 bushels per acre of annual rye (3.2 lbs/1000sq. ft.). For the period May 1 thru August 14, seed with 3 lbs. per acre of weeping lovegrass (.07 lbs/1000sq. ft.). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

MULCHING -- Apply 1-1/2 to 2 tons per acre (70 to 90 lbs/1000sq. ft.) of unrotted weed free small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000sq. ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000sq. ft.) for anchoring.

Refer to the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for additional rates and methods not covered.



HAYES / PRITCHETT
Dry Well Design Computations
SDP 00-150

Dry Well Design

Average House Size = 40' x 60' = 2,400 SF
Dry Well = 1/2' x Impervious Area
= .0416667 x Impervious Area
= .0416667 x 2,400 SF
= 100 cu.ft.
= 100 cu.ft. / .40 Void Ratio
= 250 cu.ft. per Lot

Use 1 Dry Well Use 2 Dry Wells

8' x 8' x 4' = 256 cu.ft. 6' x 6' x 4' = 288 cu.ft.
8' wide x 8' long x 4' deep 6' wide x 6' long x 4' deep



21.0 STANDARD AND SPECIFICATIONS FOR TOPSOIL

Definition

Placement of topsoil over a prepared subsoil prior to establishment of permanent vegetation.

Purpose

To provide a suitable soil medium for vegetative growth. Soils of concern have low moisture content, low nutrient levels, low pH, materials toxic to plants, and/or unacceptable soil gradation.

Conditions Where Practice Applies

- This practice is limited to areas having 2:1 or flatter slopes where:
 - The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.
 - The soil material is so shallow that the rooting zone is not deep enough to support plants or furnish continuing supplies of moisture and plant nutrients.
 - The original soil to be vegetated contains material toxic to plant growth.
 - The soil is so acidic that treatment with limestone is not feasible.
- For the purpose of these Standards and Specifications, areas having slopes steeper than 2:1 require special consideration and design for adequate stabilization. Areas having slopes steeper than 2:1 shall have the appropriate stabilization shown on the plans.

Construction and Material Specifications

- Topsoil salvaged from the existing site may be used provided that it meets the standards as set forth in these specifications. Typically, the depth of topsoil to be salvaged for a given soil type can be found in the representative soil profile section in the Soil Survey published by USDA-SCS in cooperation with Maryland Agricultural Experimental Station.
- Topsoil Specifications - Soil to be used as topsoil must meet the following:
 - Topsoil shall be a loam, sandy loam, clay loam, silt loam, sandy clay loam, loamy sand. Other soils may be used if recommended by an agronomist or soil scientist and approved by the appropriate approval authority. Regardless, topsoil shall not be a mixture of contrasting texture subsoils and shall contain less than 5% by volume of cinders, stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger than 1-1/2" in diameter.
 - Topsoil must be free of plants or plant parts such as bermuda grass, quackgrass, Johnsongrass, nutgrass, poison ivy, thistle, or others as specified.
 - Where the subsoil is either highly acidic or composed of heavy clays, ground limestone shall be applied at the rate of 4-8 tons/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil. Lime shall be distributed uniformly over designated areas and worked into the soil in conjunction with tillage operations as described in the following procedures.
- For sites having disturbed areas under 5 acres:
 - Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization - Section I - Vegetative Stabilization Methods and Materials.
- For sites having disturbed areas over 5 acres:
 - On soil meeting Topsoil specifications, obtain test results dictating fertilizer and lime amendments required to bring the soil into compliance with the following:
 - pH for topsoil shall be between 6.0 and 7.5. If the tested soil demonstrates a pH of less than 6.0, sufficient lime shall be prescribed to raise the pH to 6.5 or higher.
 - Organic content of topsoil shall be not less than 1.5 percent by weight.
 - Topsoil having soluble salt content greater than 500 parts per million shall not be used.
 - No sod or seed shall be placed on soil which has been treated with soil sterilants or chemicals used for weed control until sufficient time has elapsed (14 days min.) to permit dissipation of phytotoxic materials.
 - Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization -Section I - Vegetative Stabilization Methods and Materials.

Notes: Topsoil substitutes or amendments, as recommended by a qualified agronomist or soil scientist and approved by the appropriate approval authority, may be used in lieu of natural soil.

V. Topsoil Application

- When topsoiling, maintain needed erosion and sediment control practices such as diversions, Grade Stabilization Structures, Earth Dikes, Slope Silt Fence and Sediment Traps and Basins.
- Grades on the areas to be topsoiled, which have been previously established, shall be maintained, albeit 4" - 8" higher in elevation.
- Topsoil shall be uniformly distributed in a 4" - 8" layer and lightly compacted to a minimum thickness of 4". Spreading shall be performed in such a manner that sodding or seeding can proceed with a minimum of additional soil preparation and tillage. Any irregularities in the surface resulting from topsoiling or other operations shall be corrected in order to prevent the formation of depressions or water pockets.
- Topsoil shall not be placed while the topsoil or subsoil is in a frozen or muddy condition, when the subsoil is excessively wet or in a condition that may otherwise be detrimental to proper grading and seeded preparation.

VI. Alternative for Permanent Seeding - Instead of applying the full amounts of lime and commercial fertilizer, composted sludge and amendments may be applied as specified below:

- Composted Sludge Material for use as a soil conditioner for sites having disturbed areas over 5 acres shall be tested to prescribe amendments and for sites having disturbed areas under 5 acres shall conform to the following requirements:
 - Composted sludge shall be supplied by, or originate from, a person or persons that are permitted (at the time of acquisition of the compost) by the Maryland Department of the Environment under COMAR 26.04.06.
 - Composted sludge shall contain at least 1 percent nitrogen, 1.5 percent phosphorus, and 0.2 percent potassium and have a Ph of 7.0 to 8.0. If compost does not meet these requirements, the appropriate constituents must be added to meet the requirements prior to use.
 - Composted sludge shall be applied at a rate of 1 ton/1,000 square feet.
- Composted sludge shall be amended with a potassium fertilizer applied at the rate of 4 lb/1,000 square feet, and 1/3 the normal lime application rate.

References: Guideline Specifications, Soil Preparation and Sodding, MD-VA, Pub.#1, Cooperative Extension Service, University of Maryland and Virginia Polytechnic Institutes, Revised 1973.

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Chief, Development Engineering Division
Chief, Division of Land Development
Director

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

Signature: Jim Myers
Signature: John R. Robertson
Signature: [unclear]

ENGINEER'S CERTIFICATE

"I HEREBY CERTIFY THAT THIS PLAN FOR SOIL EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND FEASIBLE DESIGN BASED ON MY OWN PERSONAL KNOWLEDGE AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

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 INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS DEEMED NECESSARY."

REVISIONS

No.	Date	Description

ADDRESS CHART

Lot/Par. #	Street Address
323	# 8380 Lark Brown Road
324	# 8370 Lark Brown Road

Subdivision Name: PROPERTY OF Glen C. Hayes & Regina N. Pritchett	Section/Area: N/A	Parcel No.: 323/324
Flat No.: N/A	Block No.: 19	Zone: R-12
Tax Map No.: 37	Election District: 6th	Census Tract: 60G7.03
Water Code: E 08	Owner Code: 3450000	

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

DESIGNED: E.D.S.
DRAWN: C.A.D.
CHECKED: B.D.B.
DATE: 4/2001

SCALE: As Shown
DRAWING: 3 of 3
JOB NO.: 98-088
FILE NO.: SDP00-150

PROPERTY OF
Glen C. Hayes & Regina N. Pritchett

Libert 5122 - Folio 0675 & Libert 5122 - Folio 0678
Tax Map No. 37 - Grid No. 19 - Parcel 323 & 324
6th Election District - Howard County, Maryland

OWNER / DEVELOPER: REGINA PRITCHETT
6375 Hanover Crossing Way
Elkridge, Maryland 21076