

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____ A/P _____

AGENCY REVIEW: _____ DATE _____

DO NOT WRITE ABOVE THIS LINE

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

CHECK AS NEEDED:

- CONSTRUCT NEW SEPTIC SYSTEM(S)
- REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
- REPLACE AN EXISTING SEPTIC SYSTEM

CHECK AS NEEDED:

- NEW STRUCTURE(S)
- ADDITION TO AN EXISTING STRUCTURE
- REPLACE AN EXISTING STRUCTURE

CHECK ONE:

- CREATE NEW LOT(S)
- BUILD ON AN EXISTING LOT IN A SUBDIVISION
- BUILD ON AN EXISTING PARCEL OF RECORD

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- YES
- NO

THE TYPE OF STRUCTURE IS:

- RESIDENTIAL WITH 5 PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE **UNKNOWN** IF APPROPRIATE)
- COMMERCIAL (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/ CUSTOMERS ON ACCOMPANYING PLAN)
- INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) Charles & Sharon Chock

DAYTIME PHONE 410-489-5739 ^{Cell} 240-373-0897 FAX N/A

MAILING ADDRESS 3239 Sharp Road Glenwood, MD 21738

APPLICANT Charles & Sharon Chock

DAYTIME PHONE 410-489-5739 CELL 240-373-0897 FAX N/A

MAILING ADDRESS 3239 Sharp Rd Glenwood, MD 21738

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

PROPERTY LOCATION SUBDIVISION/PROPERTY NAME 3239 Sharp Rd, Gwenlee Estates, Sect 3, Area 1 LOT NO. 32

PROPERTY ADDRESS 3239 Sharp Road

TAX MAP PAGE(S) 9 GRID F/7 PARCEL(S) 213 TOWN/POST OFFICE Existing PROPOSED LOT SIZE 3.455 Ac

AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN.

TEST RESULTS WILL BE MAILED TO APPLICANT. Charles Chock SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

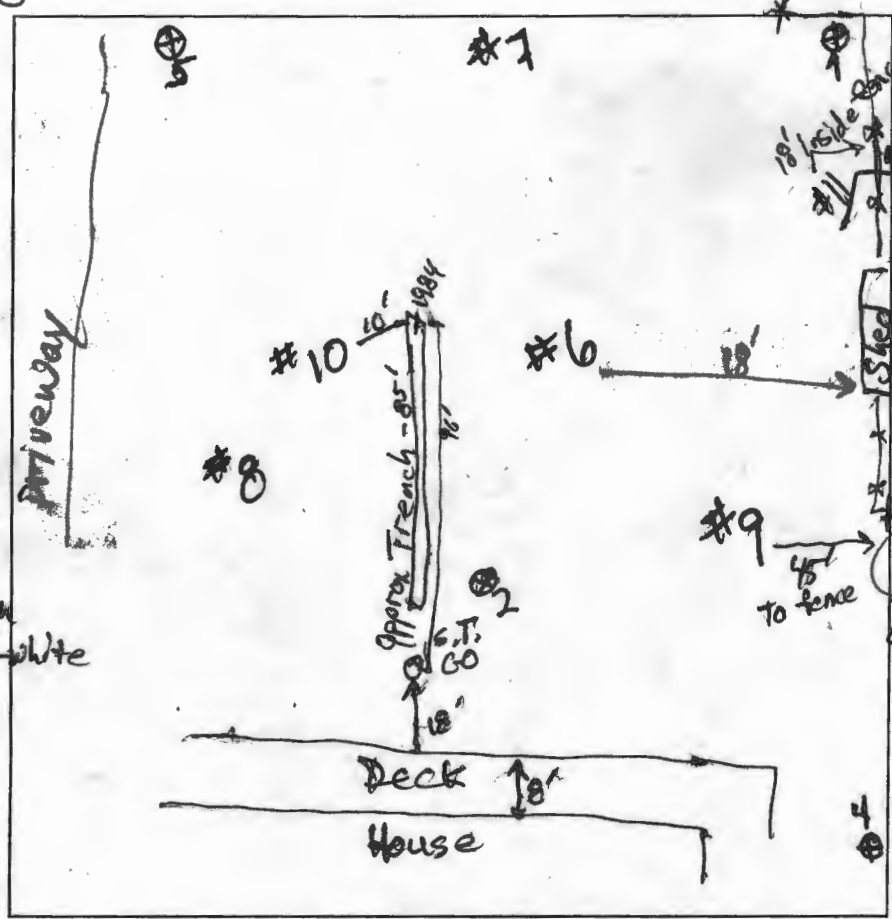
Former Perc Tests - Nov 81

AVP 526620

#10
1' brn scl
1' brn scl
5.5' 2msbk
red, brn, blk
1/4" pl, fsl
6' yel-brn, brn
palered
fsl, om
saprolite
8' brn & palered
fsl, om
12' fsl pale brn
25' w/blk & lt grey-white

#8
0.5' dk brn scl
brn scl
2 fsl
6.5' brn & palered
fsl, 1 v pl
w/white & blk
4' yel-brn, brn
& palered
fsl, om
15' saprolite

#7
0.5' dk brn scl
brn scl
2 fsl
3.5' multicolor
saprolite
1/4" pl, om
pale red
& lt. brn
strata
11.5' water
seeps
grey
yel-brn scl
weathered saprolite
c 1/4" dept.

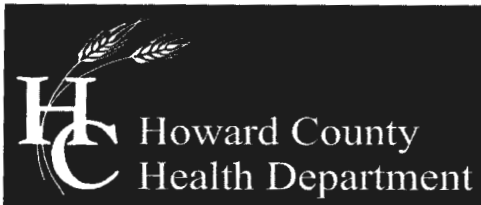


#11
0.5' dk brn scl
2 fsl
1' dk brn scl
& msbk
1' brn scl
few stones
2.5' brn scl
1 fsl
5' brn fsl, om
water seeps
10' pale brn, blk
4' f3d-grey
#9
0.3' brn scl
2 fsl
1' brn palered
fsl, 1 v pl
2' yel-brn, brn
& palered, blk
fsl, om
12' fsl
white, brn, yel
blk, palered
water seeps

#6
0.3' brn brn
by fsl
30% 30% brn
2.5' ex fsl
80% brn
5' ex ch fsl
brn
8'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
4/13/07	7	7' 1/2"	0	2	6	4	P
4/13/07	7	5' 1/2"	0	7	19.5	12.5	P
4/13/07	6	8'	Visual	shoullery & flaggy			F
4/13/07	8	5' 1/2"	0	3.5	10.5	7	P
4/13/07	9	5.5' 1/2"	0	10	27	17	P
4/13/07	10	13.5'	Visual	deep saprolite no rock			P
4/13	11	5.5' 1/2"	0	4.5'	27 min		F

REMARKS Attempt to gravity drain all 3 fields.
 SANITARIAN RB BACKHOE Donnie (Hotfields) OTHERS Steve Hells Charles Clark
 TEST HOLES USED IN SDA 7, 8, 9, 10 AVG. PERC TIME 10 min SQ. FT/BR 187.5
 TRENCH WIDTH 3 INLET DEPTH 5 MAX. BOT DEPTH 7 EFFECTIVE SW 2
 Linear feet per Bedroom = 39
 *Trenches installed higher than 500' contour may range to as deep as 11-feet at bottom (9' Inlet)
 RB
 4/27/07



Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046-2147
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Peter L. Beilenson, M.D., M.P.H., Health Officer

April 18, 2007

Charles and Sharon Chick
3239 Sharp Road
Glenwood, Maryland 21738

RE: PERCOLATION TEST RESULTS, A-526620

Dear Mr. & Mrs. Chick,

Percolation testing conducted on the referenced property on April 13, 2007. Field data collected are shown on the Percolation Test Worksheet enclosed with this letter. Recommended Inlet and Trench Bottom depths, and Usable Sidewall are provided for subsequent system design, and all are based on observed soil properties and characteristics at respective test locations as well as the particular soils materials tested.

Percolation Test Results indicate soils' conditions on the subject property that are both satisfactory and unsatisfactory for onsite wastewater disposal. Soil characteristics and percolation times at test locations 7, 8, 9 and 10 are satisfactory. The extremely stony condition at test location 6 is unsatisfactory, and the immediate area of 25-foot radius is presumed to have similarly unsatisfactory soil conditions. Slow percolation time and relatively high water table indicate that the area around test location 11 is unsuitable for wastewater disposal.

These results, along with results of tests conducted in November 1981, will be utilized in defining an area (or areas) of soils appropriate to include in a septic easement on the subject property. The other primary factor to consider when defining a septic easement is whether the area is large enough to accommodate three septic systems (one initial and two repair systems).

Parameters for system design are shown on the Percolation Test Results worksheet: depth of Inlet is to be 5 feet, with 2 feet of gravel to Trench Bottom at 7 feet. Usable Sidewall is 2 feet. The proposed Trench Width is 3 feet, and the required Trench Length per bedroom is 39 feet.

* If the area higher than contour '580' is to be included in the septic easement, a pump tank must be installed with the system installation prior to Building Permit approval. An alternative approach for approval of the percolation Certification Plan is to exclude that area higher than contour '580' from the easement and demonstrate how three systems fit into the remaining area.

A 1500-gallon septic tank (minimum volume) will be required for a residence having 1500-to-3500 square feet of floor space. A 2000-gallon septic tank will be required if the area after the planned addition is greater than 3500 square feet.

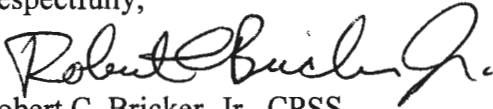
The existing well (tag# HO-81-0292) will have the following characteristics to meet current Howard County Code requirements. The well casing extends more than 8" above the soil surface. The two-piece cap has electrical conduit

inserted snugly in cap receptacle and extending into the soil to a depth of 18 inches or more. A pitless adapter for the well line connection is installed at least 36" beneath soil surface.

The well is to be protected during all phases of property redevelopment. Similarly the integrity of the septic easement is not to be compromised at any time; installation of drainfield trenches is the only acceptable excavation activity that should occur in that area.

If you have any questions regarding this evaluation or requirements for the Percolation Certification Plan, please contact me at the above address or by calling (410) 313-2691.

Respectfully,



Robert C. Bricker, Jr., CPSS
Well and Septic Program
Development Coordination Section

CC: Steve Heiss, LDE, Inc
File

A526620

SITE INSPECTION SHEET

OWNER: Charles & Sharon Chick PHONE #: _____

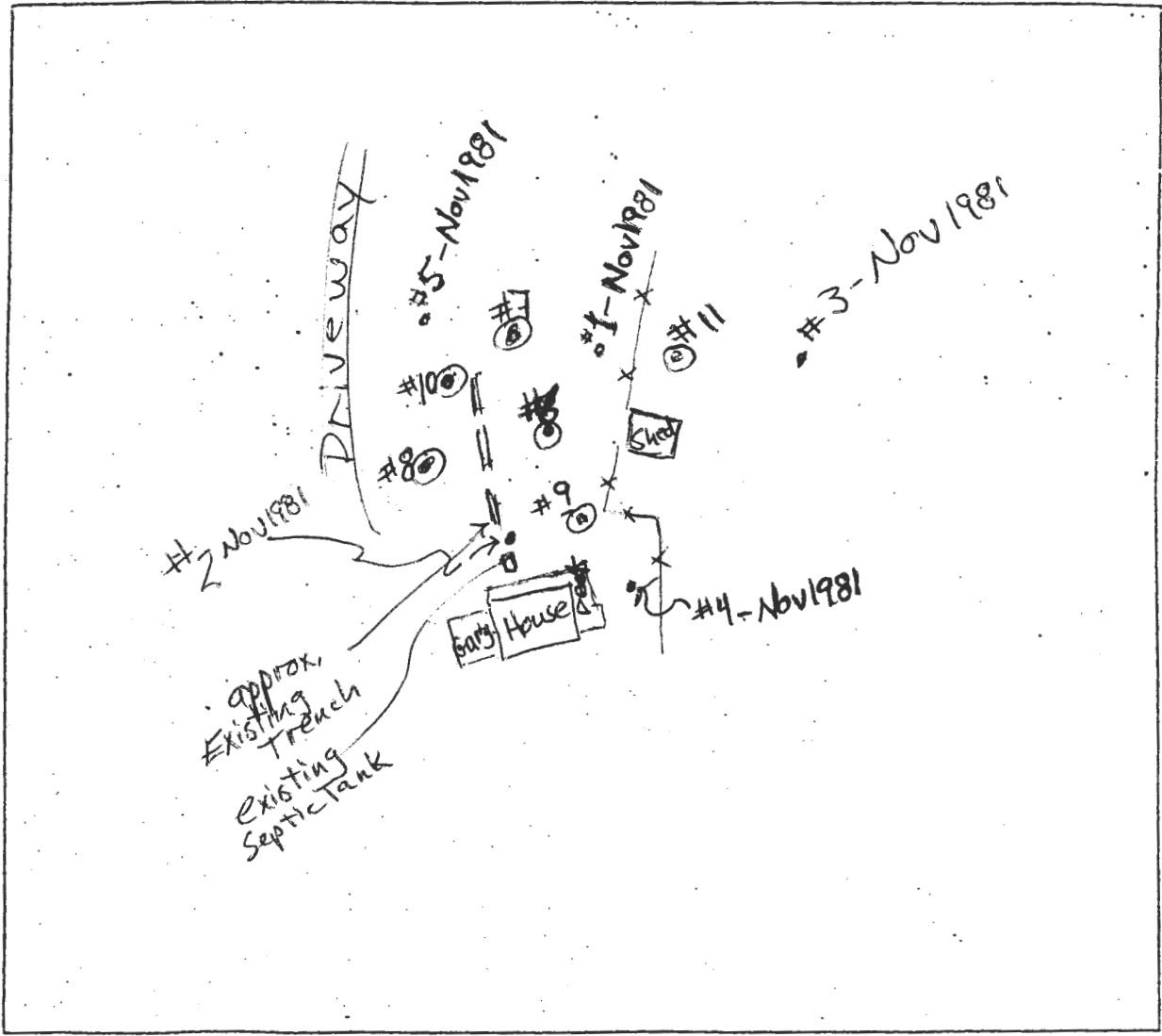
ADDRESS: 3239 Sharp Rd. CONTRACTOR: _____

WELL TAG #: _____

SUBDIVISION: _____ LOT: _____ COUNTY #: _____

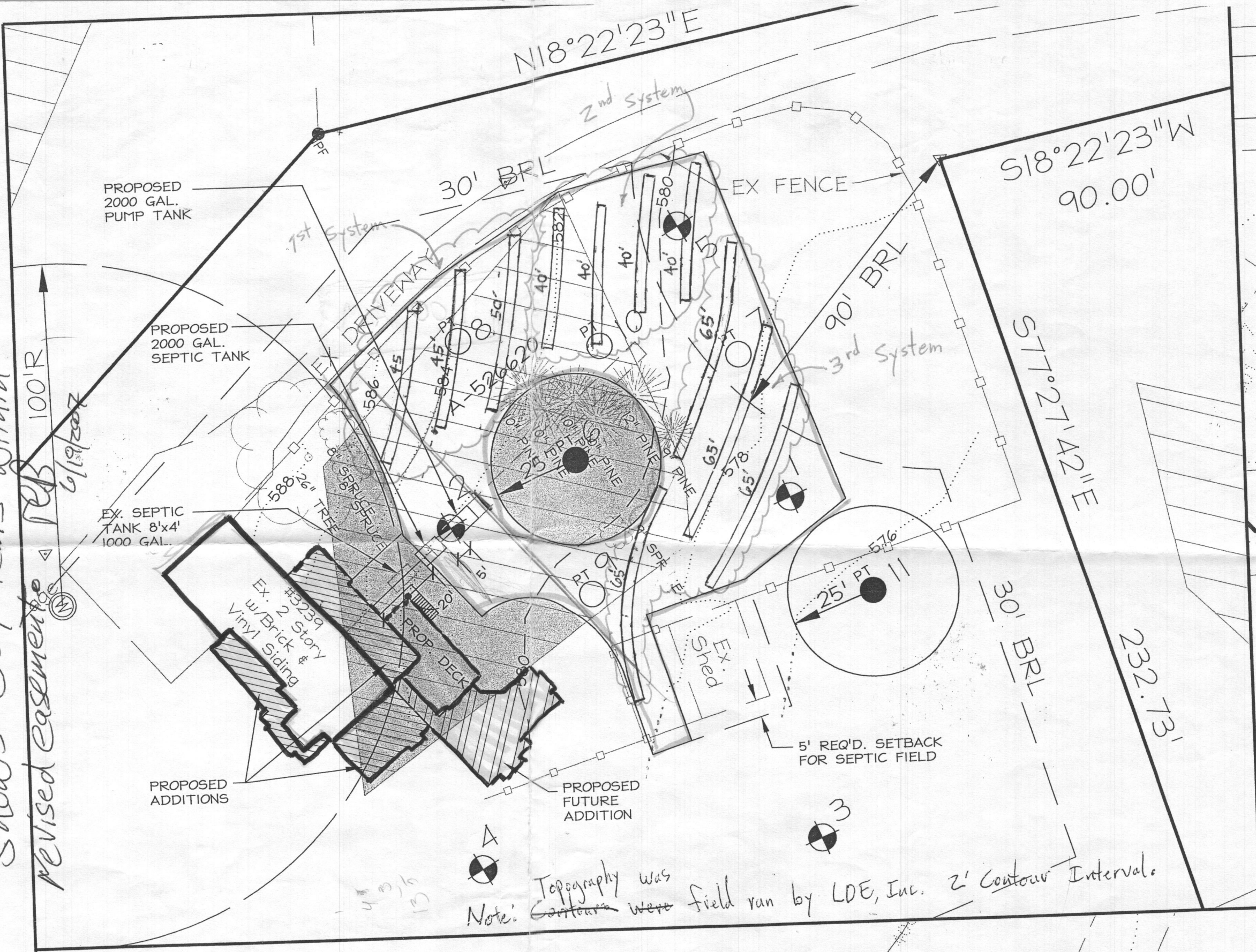
PROPOSAL: conceptual drawing showing 'current' and 'old' test locations with respect to property fixtures (approximate)

LOCATION DIAGRAM



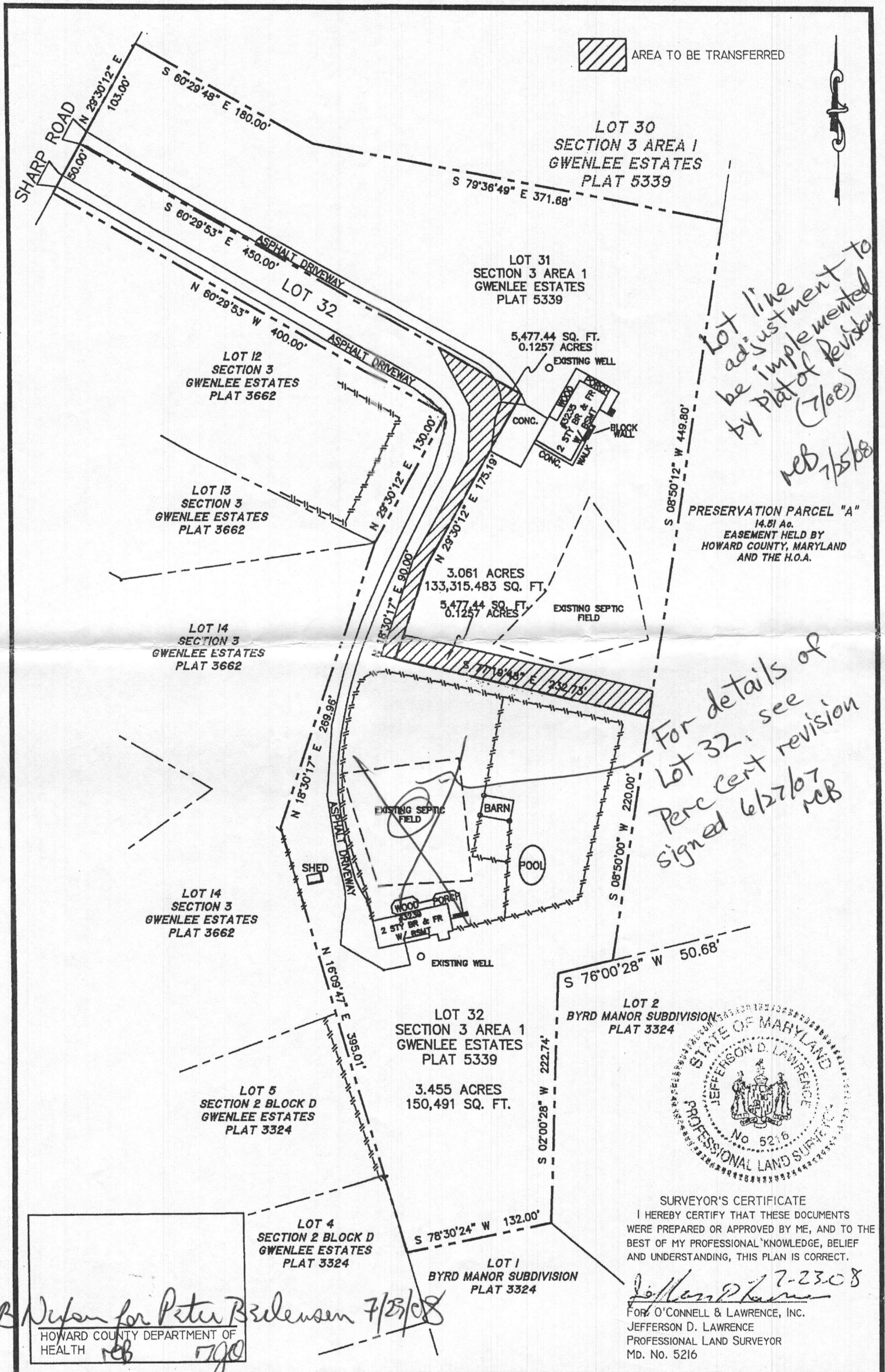
COMMENTS: • 1981 Perc Test ; ⊙ 2007 Perc Test
#6 & #11 Failed (#3 prob. would fail)
All other tests shown here 'Pass'.

*Exhibit drawing Prepared by LDE, Inc
Shows 3 systems within
revised easements FEB 6/19/2007*



To: Howard County Bureau of Environmental Health
Attn: Robert Bricker
re: Perc Cert, system layouts for 3239 Sharp Rd (Gwenlee Estates, Lot 32)

DETAIL
SCALE: 1" = 30'



AREA TO BE TRANSFERRED

Lot line adjustment to be implemented by Plat of Revision (7/08) MB 7/25/08

For details of Lot 32, see Perc cert revision signed 6/27/07 MB

PRESERVATION PARCEL "A"
14.81 Ac.
EASEMENT HELD BY
HOWARD COUNTY, MARYLAND
AND THE H.O.A.



SURVEYOR'S CERTIFICATE
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, BELIEF AND UNDERSTANDING, THIS PLAN IS CORRECT.

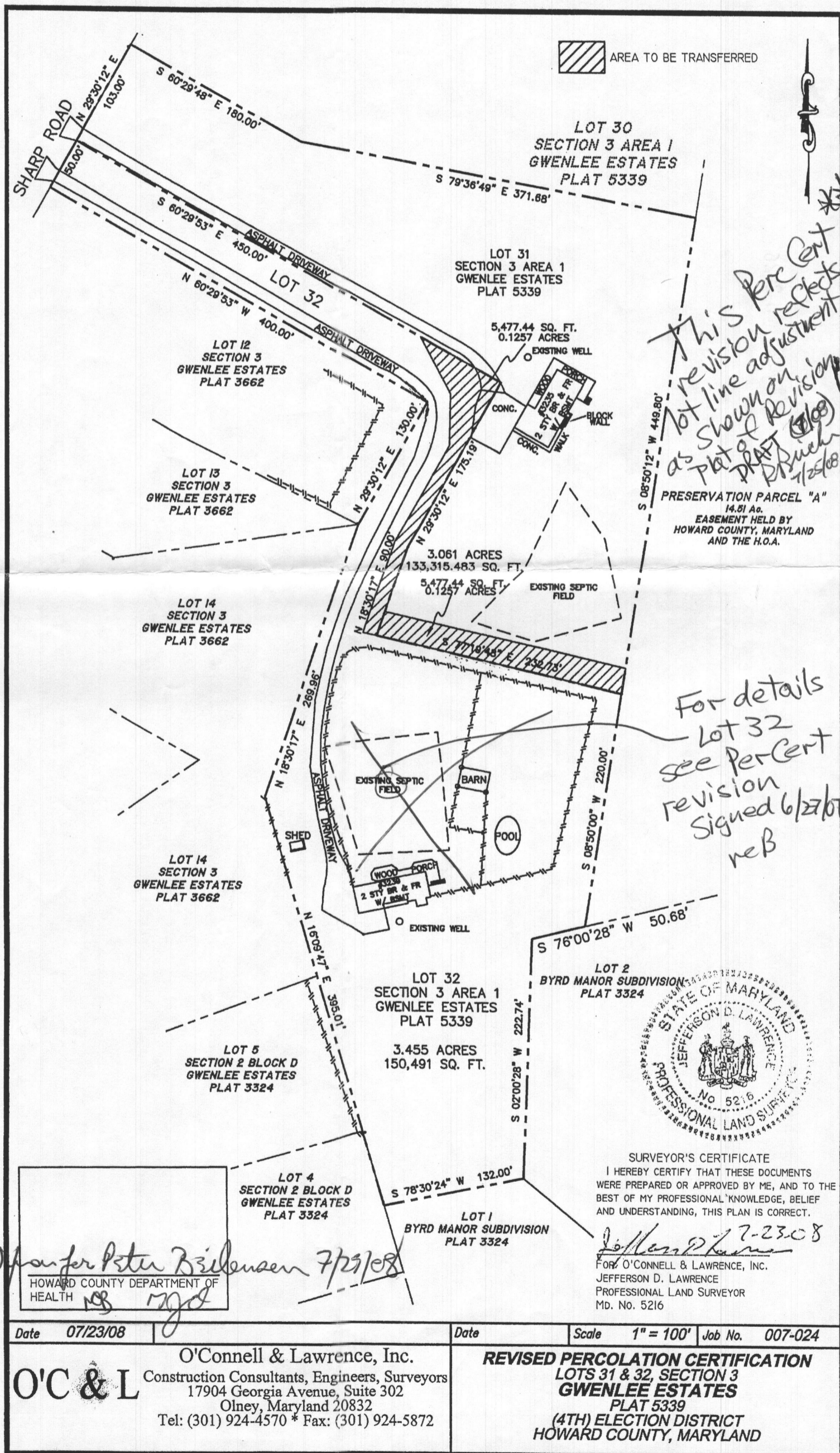
Jefferson D. Lawrence
7-23-08
FOR: O'CONNELL & LAWRENCE, INC.
JEFFERSON D. LAWRENCE
PROFESSIONAL LAND SURVEYOR
MD. No. 5216

B. Nelson for Peter Bruleusen 7/23/08
HOWARD COUNTY DEPARTMENT OF HEALTH
MB 7/23/08

Date 07/23/08 Date Scale 1" = 100' Job No. 007-024

O'C & L
O'Connell & Lawrence, Inc.
Construction Consultants, Engineers, Surveyors
17904 Georgia Avenue, Suite 302
Olney, Maryland 20832
Tel: (301) 924-4570 * Fax: (301) 924-5872

REVISED PERCOLATION CERTIFICATION
LOTS 31 & 32, SECTION 3
GWENLEE ESTATES
PLAT 5339
(4TH) ELECTION DISTRICT
HOWARD COUNTY, MARYLAND



AREA TO BE TRANSFERRED

This PerCent revision reflects lot line adjustment as shown on plat of revision (F-09-02)

PRESERVATION PARCEL "A"
14.51 Ac.
EASEMENT HELD BY HOWARD COUNTY, MARYLAND AND THE H.O.A.

For details see PerCent revision Signed 6/27/08 reB



SURVEYOR'S CERTIFICATE
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, BELIEF AND UNDERSTANDING, THIS PLAN IS CORRECT.

Jefferson D. Lawrence
7-23-08
FOR: O'CONNELL & LAWRENCE, INC.
JEFFERSON D. LAWRENCE
PROFESSIONAL LAND SURVEYOR
Md. No. 5216

BN transfer Peter Bilsen 7/29/08
HOWARD COUNTY DEPARTMENT OF HEALTH
MS mgd

Date 07/23/08 Date Scale 1" = 100' Job No. 007-024

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REVISED PERCOLATION CERTIFICATION
LOTS 31 & 32, SECTION 3
GWENLEE ESTATES
PLAT 5339
(4TH) ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

**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. (203-10959)
- 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 permanent 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, soil, 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.

7. Site Analysis:

Total Area of Site	3.455	Acres
Area Disturbed	0.32	Acres
Area to be roofed or paved	0.06	Acres
Area to be vegetatively stabilized	0.29	Acres
Total Cut	237	Cu. Yds.
Total Fill	237	Cu. Yds.
Offsite waste area location	N/A	

8. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance as specified by the Howard County Sediment Control Inspector.

9. Additional sediment control must be provided, if deemed necessary by the Howard County Sediment Control Inspector.

10. 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.

11. Trenches for the construction of utilities within 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/1000sq. ft.) before seeding. Harrow or disk into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 urea-form 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/1000sq. 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 (14 lbs/1000sq. ft.) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs per acre (14 lbs/1000sq. ft.) of Kentucky 31 Tall Fescue and 2 lbs. per acre (0.5 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 seed. 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 weed free small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 210 gallons per acre (5 gal/1000sq. ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 340 gallons per acre (8 gal/1000sq. ft.) for anchoring.

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

**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 2-1/2 bushels per acre of annual ryegrass (5.2 lbs/1000sq. ft.). For the period May 1 thru August 14, seed with 3 lbs. per acre of weeping lovegrass (0.7 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 seed.

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 210 gallons per acre (5 gal/1000sq. ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 340 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.

21.0 STANDARD AND SPECIFICATIONS FOR TOPSOIL

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, material toxic to plants, and/or unacceptable soil gradation.

Conditions Where Practice Applies:
I. This practice is limited to areas having 2:1 or flatter slopes where:
a. The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.
b. The soil material is so shallow that the rooting zone is not deep enough to support plants or furnish adequate supplies of moisture and plant nutrients.
c. The original soil to be vegetated contains material toxic to plant growth.
d. The soil is so acidic that treatment with limestone is not feasible.

Construction and Material Specifications:
I. 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 a spoil 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 conjunction with Maryland Agricultural Experiment Station.
II. Topsoil Specifications - Soil to be used as topsoil must meet the following:
1. Topsoil shall be a loam, sandy loam, clay loam, silty 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 soil types and shall contain less than 5% by volume of stones, cinders, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger than 1-1/2" in diameter.
2. Topsoil must be free of plants or plant parts such as Bermuda grass, quackgrass, Johnsongrass, nutgrass, poison ivy, thistle, or others as specified.
3. Where the subsoil is either highly acidic or composed of heavy clay, ground limestone shall be spread at the rate of 4-8 tons/acre (200-400 cu. yds. 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.
III. For sites having disturbed areas under 5 acres:
1. Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization - Section 1 - Vegetative Stabilization Methods and Materials.
IV. For sites having disturbed areas over 5 acres:
1. On soil meeting Topsoil specifications, 0.1% - 0.2% results dictating fertilizer and lime amounts required to bring the soil into compliance with the following:
a. 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.
b. Organic content of topsoil shall be at least 15 percent by weight.
c. Topsoil having soluble salt content greater than 500 parts per million shall not be used.
d. No seed or soil 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.
2. Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization - Section 1 - Vegetative Stabilization Methods and Materials.
V. Topsoil Application:
1. When topsoiling, maintain needed erosion and sediment control practices such as diversion, Grade Stabilization Structures, Earth Dikes, Slope Stiff Fences and Sediment Traps and Basins.
2. Grading on the areas to be topsoiled, which have been previously established, shall be maintained, about 4" - 6" higher in elevation.
3. Topsoil shall be uniformly distributed in a 4" - 6" layer and lightly compacted to a minimum thickness of 4". Spreading shall be performed in such a manner that seeding or sowing 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.
4. 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 needed 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:
1. Composted Sludge Material for use as a soil conditioner for sites having disturbed areas over 5 acres shall be applied in the same amount and for sites having disturbed areas under 5 acres shall conform to the following requirements:
a. 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.
b. Composted sludge shall contain at least 1 percent nitrogen, 15 percent phosphorus, and 0.2 percent potassium on a dry weight basis of 7.0 to 8.0. If compost alone does not meet these requirements, the appropriate commercial fertilizer must be added to meet the requirements prior to use.
c. Composted sludge shall be applied at a rate of 1 ton/1,000 square feet.
2. Composted sludge shall be amended with a premium fertilizer applied at the rate of 4 lb./1,000 square feet, and 1/2 the normal lime application rate.
References: Guidelines Specifications, Soil Preparation and Sowing, MD-VA, Pub.#1, Cooperative Extension Service, University of Maryland and Virginia Polytechnic Institutes, Revised 1978.

SEQUENCE OF CONSTRUCTION

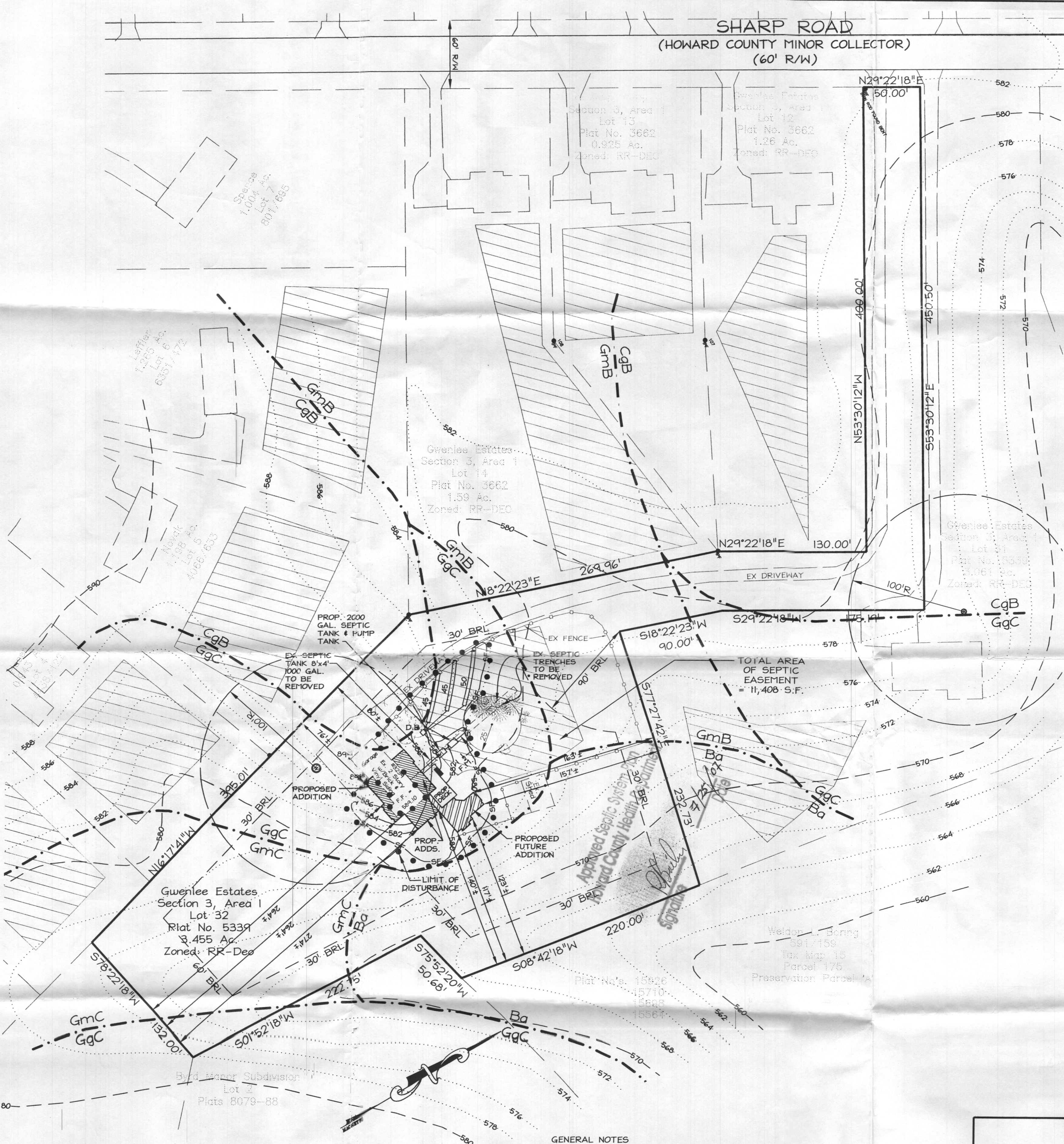
- Obtain grading permit. 1 Day
 - Notify the Howard County Department of Public Works/ Bureau of Engineering/ Construction Inspection Division at 410-313-1880 at least Five (5) working days prior to the start of work. 1 Day
 - The contractor shall notify "Miss Utility" at 1-800-257-7777 at least 48 hours prior to any excavation work being done. 1 Day
 - Install perimeter silt fence. 1 Day
 - Notify the Bureau of Environmental Health prior to beginning the abandonment of the existing 1000 gallon septic tank, distribution box and two (2) existing trenches. The tank and trenches shall be removed in accordance with the Bureau of Environmental Health procedures. Insure existing sewer line coming out of house and into the existing 1000 gallon septic tank is protected and remains undamaged. 1 Day
 - Install new 2000 gallon septic tank and 2000 gallon pump tank as shown on plan. Extend existing sewer line to new septic tank to provide gravity flow to new tank. Install gravity line between septic and pump tanks. 2 Days
 - Install new distribution box. Install trenches for initial septic system, as shown on plan. Immediately stabilize all disturbed areas above trenches in accordance with the permanent seeding notes. 3 Days
 - Install 1-1/2 inch force main from pump tank to distribution box, as shown on plan. 1 Day
 - Grade site for building addition in accordance with the approved plot plan. 3 Days
 - Immediately stabilize all graded areas to be roofed or paved in accordance with the temporary seeding notes. 1 Day
 - Construct building additions in accordance with the approved architectural plans and approved plot plan. 4 months
 - Once building additions and deck are completed, fine grade around additions. 1 Day
 - With the permission of the sediment control inspector, remove all remaining silt fence and stabilize any remaining disturbed areas in accordance with the permanent seeding notes. 2 Days
- Total Estimated Construction Time: 17-1/2 Weeks

SOILS LEGEND

HYDROLOGIC SOIL GROUP	SOIL SYMBOL	DESCRIPTION	REMARKS
D	Ba	Baile Silt Loam, 0% - 3% slopes,	
B	GgB	Glenelg Loam, 3% - 8% slopes	
B	GgC	Glenelg Loam, 8% - 15% slopes	
C	GmB	Glenville Silt Loam, 3% - 8% slopes	
C	GmC	Glenville Silt Loam, 8% - 15% slopes	

Approved: For private water and private sewerage systems
Howard County Health Department

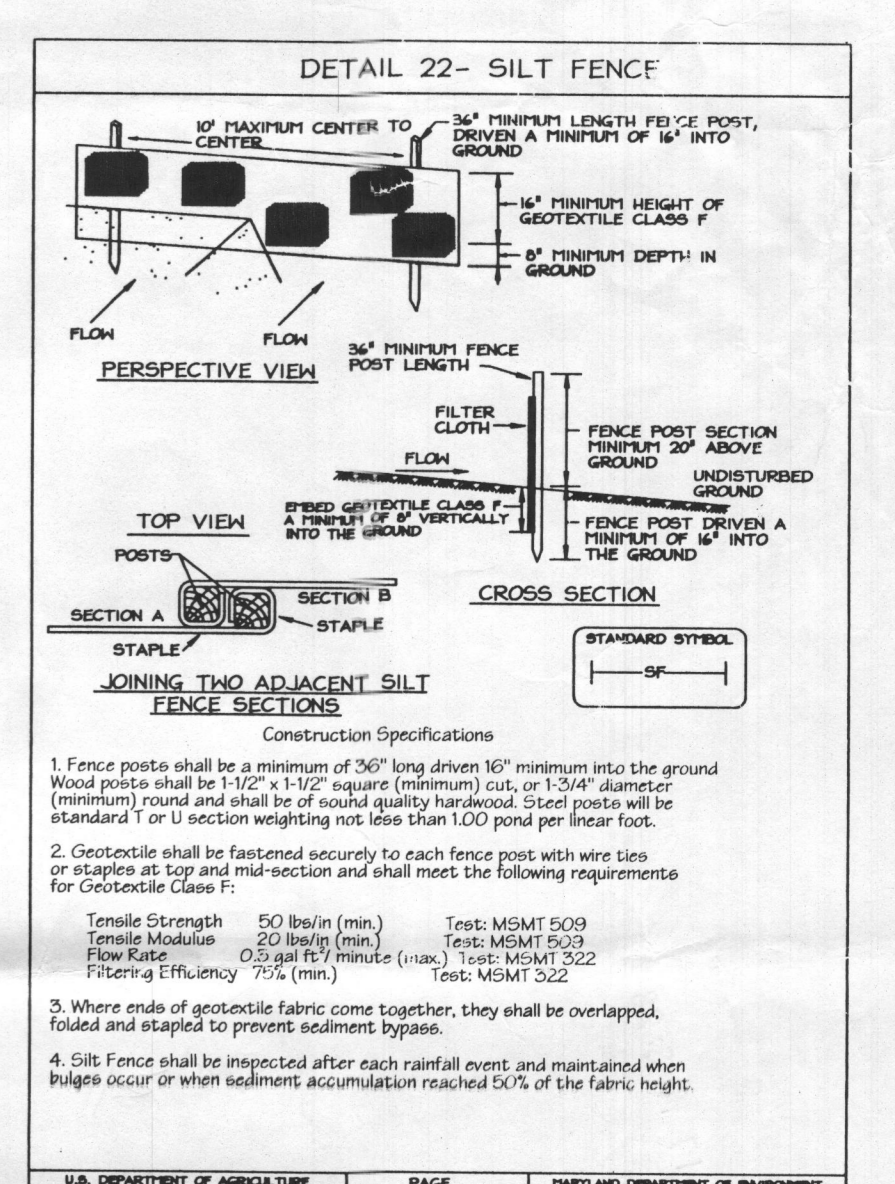
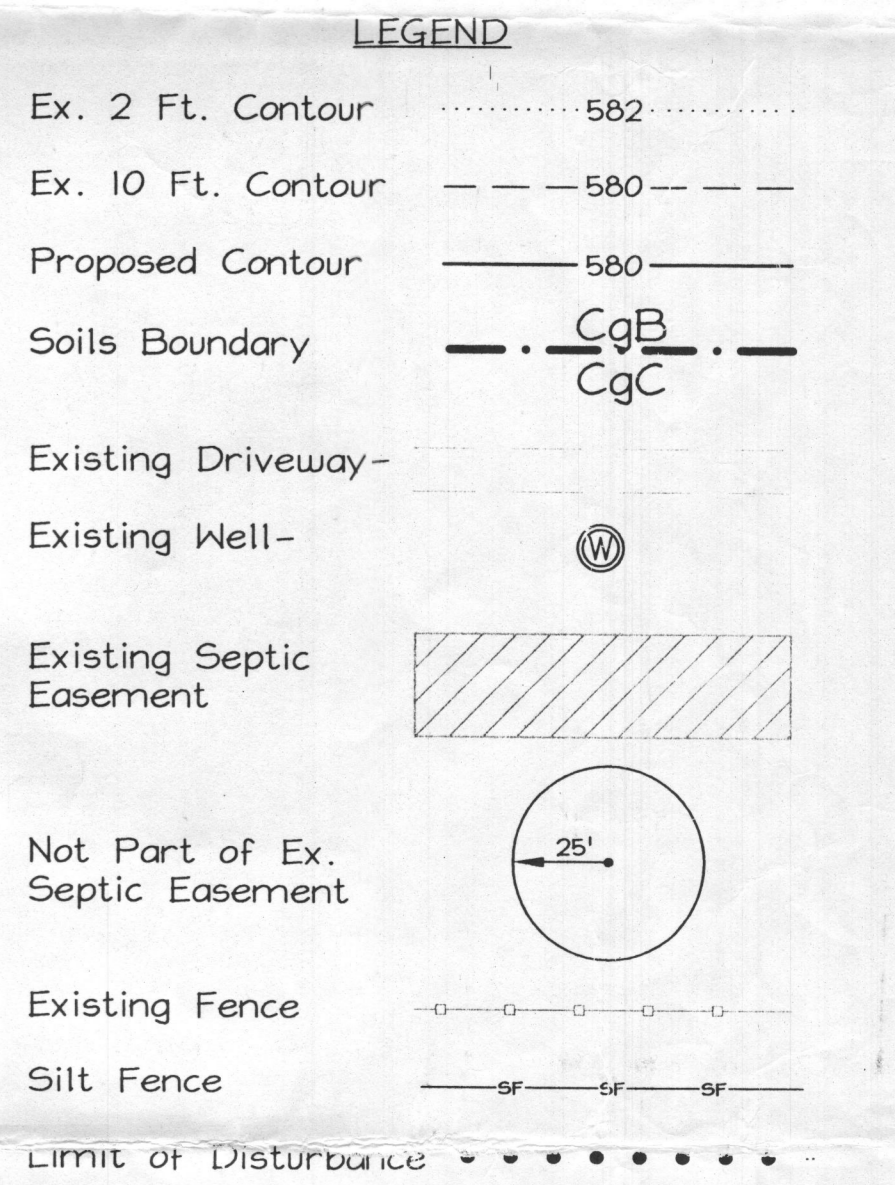
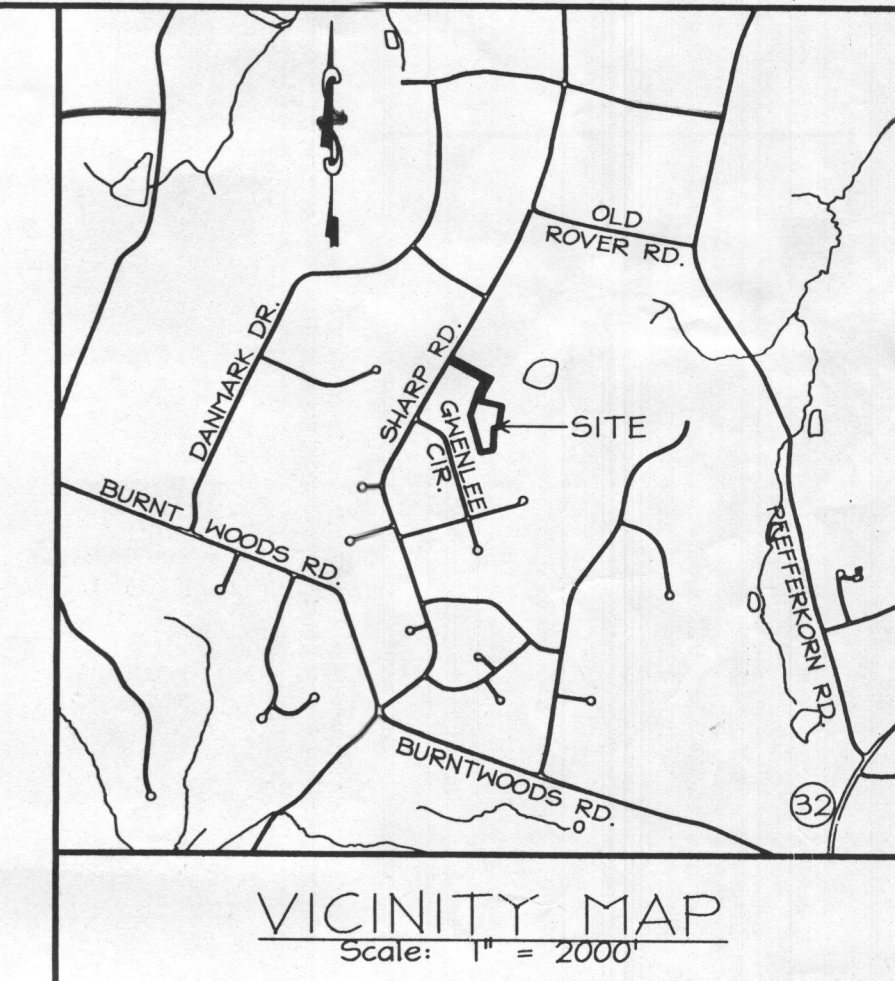
Howard County Health Officer _____ Date _____



This area designates a private sewage easement of at least 10,000 square feet as required by the Maryland Department of the Environment for individual sewage disposal. Improvements of any nature in this area are restricted. This easement shall become null and void upon connection to a public sewerage system. The County Health Officer shall have the authority to grant adjustments to the private sewage easement. Recordation of a revised sewage easement shall not be necessary.

GENERAL NOTES

- Existing Zoning: RR-DEO
- Plot Reference: No. 5339
- Total area of Lot 32: 150,500 s.f. / 3.455 Ac.
- The lot shown complies with the minimum lot area and ownership width as required by the Maryland State Department of the Environment.
- Existing wells and septic areas have been shown within 100 feet of lot 32.
- The topography shown hereon is taken from the latest Howard County Aerial Topography. The area within the septic, existing house, fences and driveway were field run by LDE, Inc. in April 2007.
- The purpose of this plan is to provide a plan for the proposed house additions. See architectural drawings for building addition dimensions.
- The subject lot has an existing house and driveway to remain.
- Soils information shown hereon was taken from the latest Howard County Soil Survey.
- The existing well located on the subject lot shall remain.
- Any changes to a private sewage easement shall require a revised percolation certification plan.
- Stormwater management for the proposed building additions shall be provided via rooftop disconnections.



LDE Inc.
Engineers, Surveyors, Planners
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(410)715-1070 - (301)596-3424 - FAX (410)715-9540

DESIGNED	S.D.H.	Plot Plan for Building Permit	SCALE	1" = 50'
DRAWN	M.A.L.	Gwenlee Estates, Section 3, Area 1	DRAWING	1 of 1
CHECKED	B.D.B.	Lot 32	JOB NO.	07-002.1
DATE	6/2007	Plot No. 5339 Tax Map 14, Grid 24, Parcel 213 4th Election District Howard County, Maryland PREVIOUS SUBMITTALS: F-83-39	OWNER/DEVELOPER:	Charles and Sharon Chick 3229 Sharp Road Glenwood, MD 21738 Phone: 240-373-0897

