

LAYOUT _____ INSP 4 _____

INSP 2 _____ INSP 5 _____

INSP 3 _____ INSP 6 _____

ISSUE DATE: ~~11-28-04~~ 2/10/05

P 521984

APPROVAL DATE: 1-11-06

A 39714

PERMIT

INDEXED

TAX ID # 03-317668

ON-SITE SEWAGE DISPOSAL SYSTEM HOWARD COUNTY HEALTH DEPARTMENT BUREAU OF ENVIRONMENTAL HEALTH

Fogle's Septic Clean, Inc. IS PERMITTED TO INSTALL ALTER

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

SUBDIVISION: Hawksfield Estates LOT NUMBER: 11

ADDRESS: 3161 Old Oak Drive PROPERTY OWNER: Greenfield Homes, Inc.

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

PUMP CHAMBER CAPACITY (GALLONS): n/a COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 5 *Installing 2000 gallon*

SQUARE FEET PER BEDROOM: 180

LINEAR FEET OF TRENCH REQUIRED: 162 HOUSE SERVED BY PUBLIC WATER

TRENCHES:	Trench to be 2.0 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 7.5 feet below original grade. Effective area begins at 3.5 feet below original grade. 4.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box at the highest elevation in the approved SDA. Run trenches on contour. <i>7'ETE or 2 trenched</i>
NOTES:	

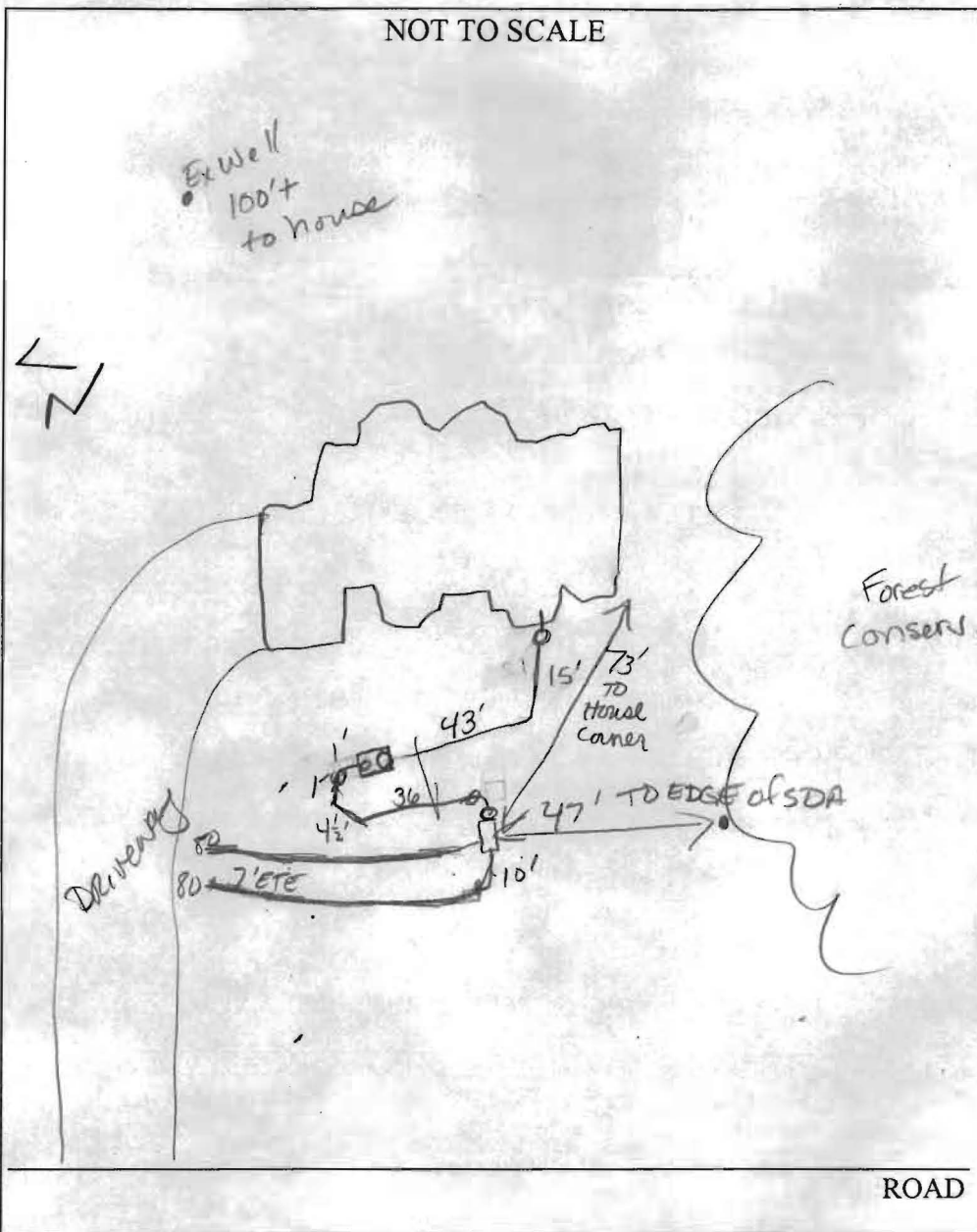
PLANS APPROVED: Peter A. Yencsik Reviewed by: KJB DATE: 11/28/04

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 ALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

P 521984
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NOT TO SCALE



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
2	3 1/2	7 1/2
NUMBER OF TRENCHES		2
TOTAL LENGTH		160
ABSORPTION AREA		
DISTRIBUTION BOX LEVEL		y
DISTRIBUTION BOX BAFFLE		y
DISTRIBUTION BOX PORT		y

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	yes
CAPACITY	2000 GAL
SEAM LOC	Top
TANK LID DEPTH	1 1/2 - 3 1/2
BAFFLES	yes
BAFFLE FILTER	
MANHOLE LOC	front
6" PORT LOC	back
WATERTIGHT TEST	No
SEPTIC TANK 2 LEVEL	N/A
CAPACITY	
SEAM LOC	
TANK LID DEPTH	
BAFFLES	
BAFFLE FILTER	
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST	✓

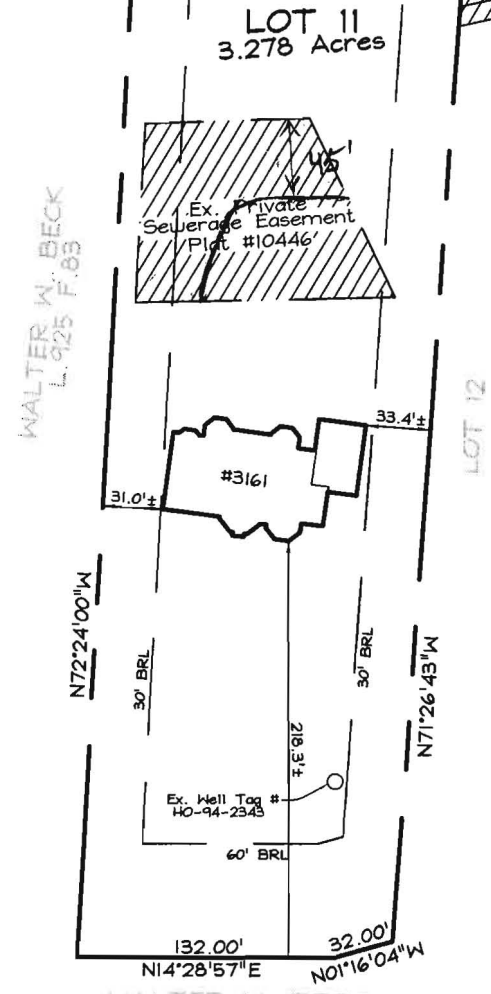
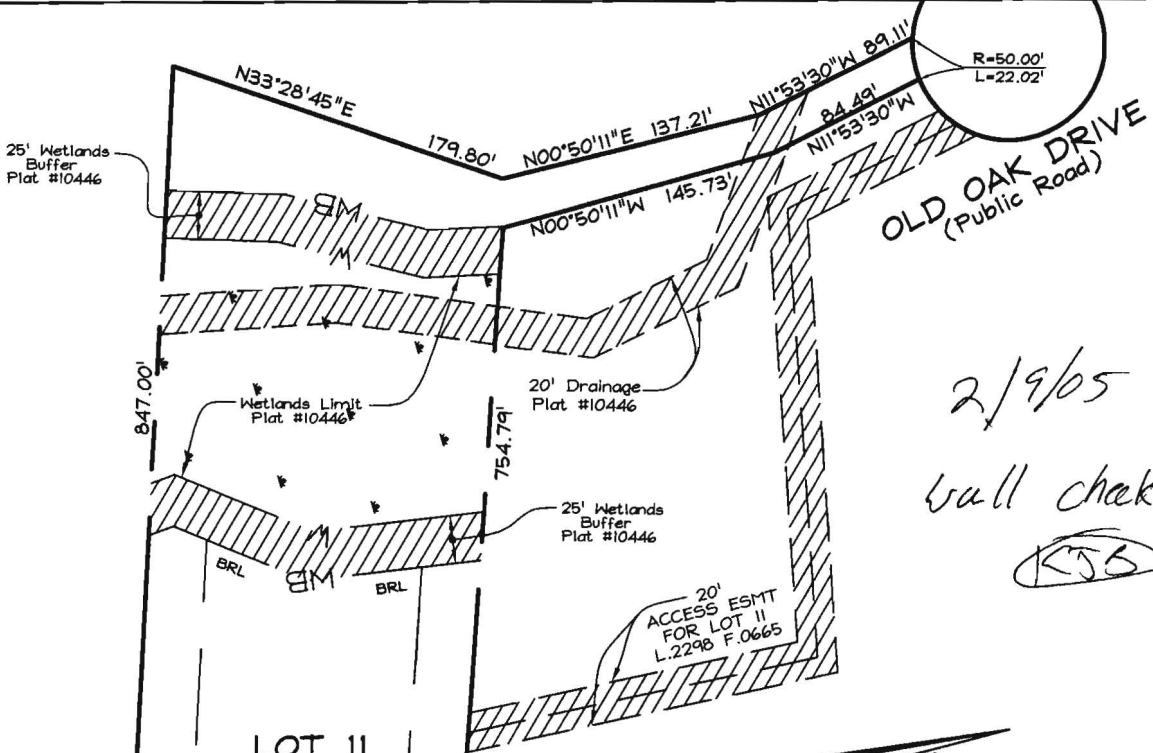
PRE-CONSTRUCTION SDA STAKED 2000 gallon S.T. to be installed. Builder concerned about d. box close to driveway. ∴ place d. box in center of top of INSTALLATION SDA. Run 80' trench toward driveway & 100' long + trench (-20' length ok since S.TANK oversized) in order to utilize highest area, okay to extend out of SDA. Maintain 5' sep between d. box & septic tank. Place cleanout on d. box ~~OR~~ OR RUN 280' length trenches toward driveway 7' ETE (KN) 2-80' long trenches 7' ETE EXTEND TO DRIVEWAY, ENSURE NO MORE THAN 3' COVER ON HIGH SIDE OF TANK. Conn to house made under footer 1-11-06 PICS of ~~station~~ septic tank - grade OK (KN)

FINAL INSPECTOR Kacee Norman

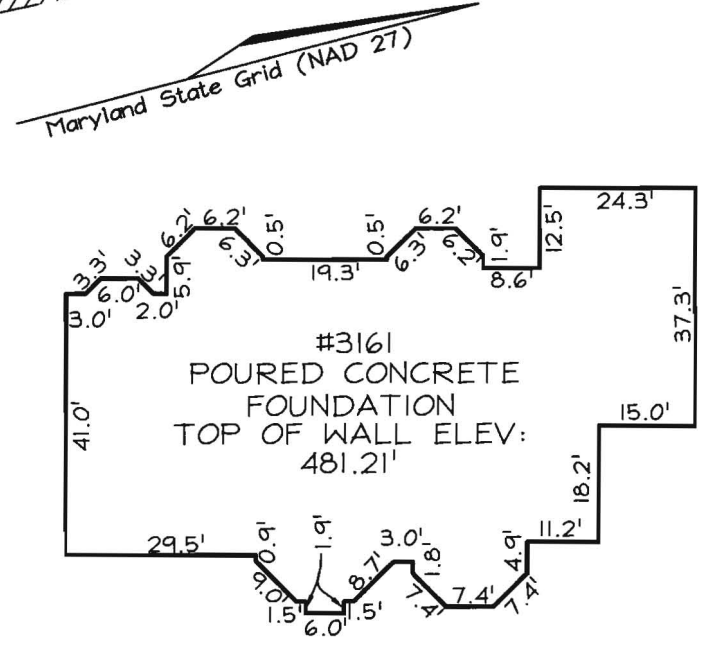
DATE OF APPROVAL 1-11-06

1/4/05 Inlet end of tank at least 4' deep (GAC)

NOT until final grading done in front



PLAN VIEW
SCALE: 1"=100'



FOUNDATION DETAIL
SCALE: 1"=30'

LEGEND

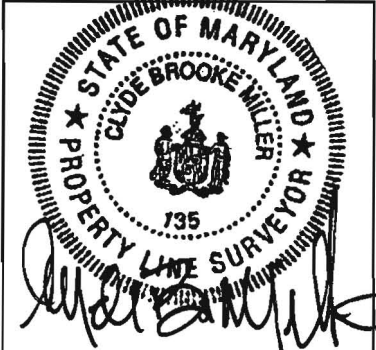
- F/P = FIREPLACE
- B/W = BAY WINDOW
- D/W = DRIVEWAY
- CONC = CONCRETE
- O/H = OVERHANG
- H/P = HEAT PUMP/AIR COND.
- G/M = GAS METER
- E/M = ELECTRIC METER

DIMENSIONS LABELED ± ARE WITHIN 0.1'
 ADDRESS No.: 3161 Old Oak Drive
 THE EXISTING WELL SHOWN ON THIS PLAN (IDENTIFIED WITH THE ATTACHED WELL TAG NUMBER: HO-94-2343 HAS BEEN FIELD LOCATED BY FSH ASSOCIATES AND IS ACCURATELY SHOWN.
 TOP OF WALL ELEV. = 481.21' FIRST FLOOR ELEV. = N/A
 THE LOCATION DRAWING IS OF BENEFIT TO THE CONSUMER ONLY INSOFAR AS IT IS REQUIRED BY A LENDER OR A TITLE INSURANCE COMPANY OR ITS AGENT IN CONNECTION WITH CONTEMPLATED TRANSFER, FINANCING OR REFINANCING;
 THE LOCATION DRAWING IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATION OF FENCES, GARAGES, BUILDINGS, OR OTHER EXISTING OR FUTURE IMPROVEMENTS;
 AND THE LOCATION DRAWING DOES NOT PROVIDE FOR THE ACCURATE IDENTIFICATION OF PROPERTY BOUNDARY LINES, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING OR REFINANCING.

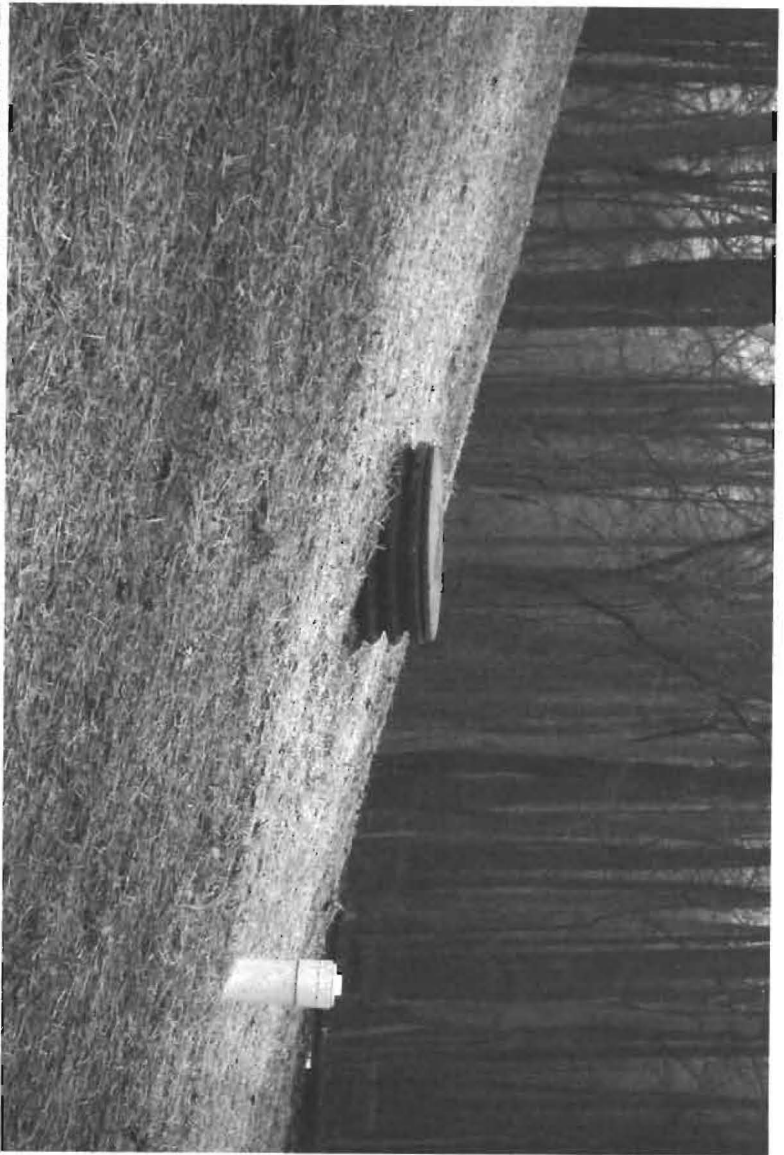
FSH Associates

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

WALL CHECK	
FOUNDATION	Date: 02/03/05
FINAL	Date:
DRAWN BY:	BB
SCALE:	As Shown
W.O. No.:	3128

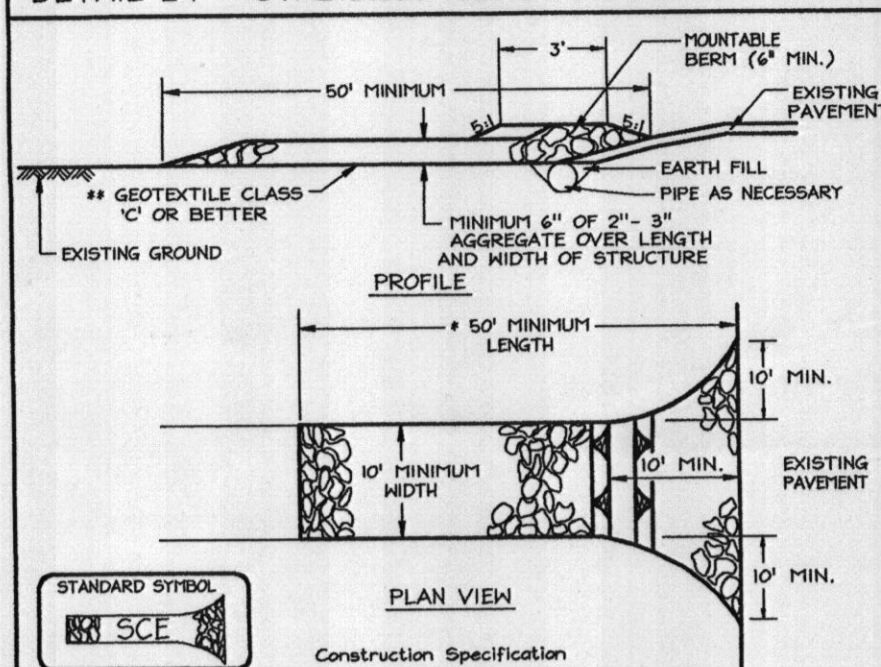


LOT 11
HAWKSFIELD ESTATES
 PLAT No. 10446
 3RD ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND





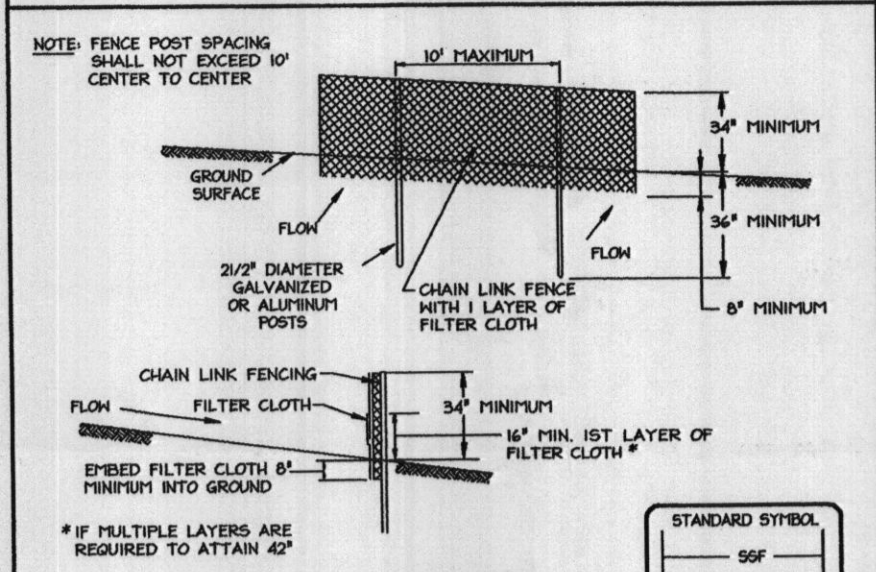
DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE



- Construction Specifications**
- Length - minimum of 50' (± 30' for a single residence lot).
 - Height - 10' minimum, should be flared at the existing road to provide a turning radius.
 - Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. The plan approval authority may not require single family residences to use geotextile.
 - Stone - crushed aggregate (2" to 3") or reclaimed or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the entrance.
 - Surface Water - all surface water flowing to or diverted toward construction entrances shall be placed through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a mountable berm with 5:1 slopes and a minimum of 6" of stone over the pipe. Pipe has to be sized according to the drainage. When the SCE is located at a high spot and has no drainage to convey, a pipe will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. A 6" minimum will be required.
 - Location - A stabilized construction entrance shall be located at every point where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction entrance.

U.S. DEPARTMENT OF AGRICULTURE PAGE 1 HAWKSFIELD ESTATES
SOIL CONSERVATION SERVICE E-17-3 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

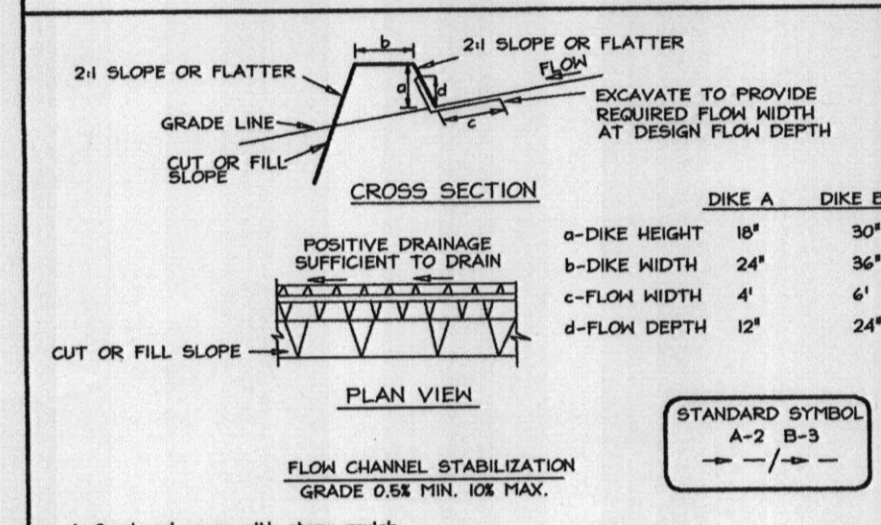
DETAIL 33 - SUPER SILT FENCE



- Construction Specifications**
- Fencing shall be 42" in height and constructed in accordance with the latest Maryland State Highway Details for Chain Link Fencing. The specification for a 6' fence shall be used, substituting 42" fabric and 6' length posts.
 - Chain link fence shall be fastened securely to the fence posts with wire ties. The lower tension wire, brace and trim rods, drive anchors and post caps are not required except on the ends of the fence.
 - Filter cloth shall be fastened securely to the chain link fence with ties spaced every 24" at the top and mid section.
 - Filter cloth shall be embedded a minimum of 8" into the ground.
 - When two sections of filter cloth adjoin each other, they shall be overlapped by 4" and folded.
 - Maintenance shall be performed on needed and silt buildup removed when 'bulges' develop in the silt fence, or when silt reaches 50% of fence height.
 - Filter cloth shall be fastened securely to each fence post with wire ties or staples at top and mid section and shall meet the following requirements for Geotextile Class F:
Tensile Strength 50 lbs/in (min.) Test: MSHT 504
Tensile Modulus 20 lbs/in (min.) Test: MSHT 504
Flow Rate 0.5 gal ft²/min (max.) Test: MSHT 322
Filtering Efficiency 75% (min.) Test: MSHT 322

U.S. DEPARTMENT OF AGRICULTURE PAGE 2 HAWKSFIELD ESTATES
SOIL CONSERVATION SERVICE E-17-3 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

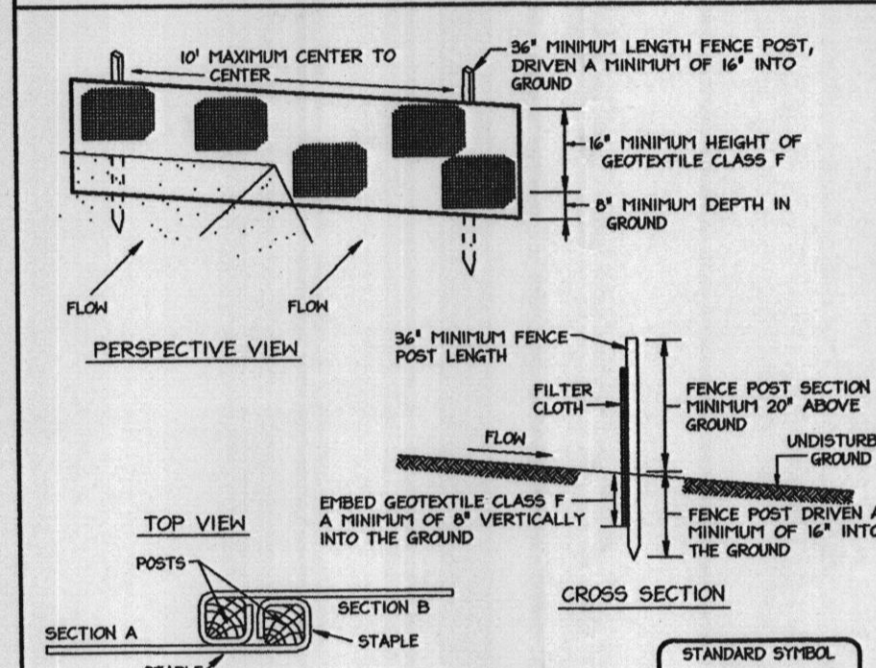
DETAIL 1 - EARTH DIKE



- Construction Specifications**
- All temporary earth dikes shall have winterproofed positive grade to an outlet. Spot elevations may be necessary for grades less than 1%.
 - Runoff diverted from a disturbed area shall be conveyed to a sediment trapping device.
 - Runoff diverted from an undisturbed area shall be directed into an undisturbed, stabilized area at a non-erosive velocity.
 - All trees, brush, stumps, obstructions, and other objectionable material shall be removed and disposed of so as not to interfere with the proper functioning of the dike.
 - The dike shall be excavated or shaped to line, grade and cross section as required to meet the criteria specified herein and be free of bank projections or other irregularities which will impede runoff flow.
 - Fill shall be compacted by earth moving equipment.
 - All earth removed and not needed for construction shall be placed so that it will not interfere with the functioning of the dike.
 - Inspection and maintenance must be provided periodically and after each rain event.

U.S. DEPARTMENT OF AGRICULTURE PAGE 1 HAWKSFIELD ESTATES
SOIL CONSERVATION SERVICE A-1-1-6 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL 22 - SILT FENCE



- Construction Specifications**
- Fence posts shall be a minimum of 1/2" x 1/2" square (minimum) cut, or 1/2" diameter (minimum) round pipe of steel galvanized. Steel posts shall be standard T or U section weighing not less than 1000 pound per linear foot.
 - Geotextile shall be fastened securely to each fence post with wire ties or staples at top and mid-section and shall meet the following requirements for Geotextile Class F:
Tensile Strength 50 lbs/in (min.) Test: MSHT 504
Tensile Modulus 20 lbs/in (min.) Test: MSHT 504
Flow Rate 0.5 gal ft²/min (max.) Test: MSHT 322
Filtering Efficiency 75% (min.) Test: MSHT 322
 - Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.
 - Silt fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reaches 50% of the fabric height.

U.S. DEPARTMENT OF AGRICULTURE PAGE 2 HAWKSFIELD ESTATES
SOIL CONSERVATION SERVICE E-17-3 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

SEDIMENT CONTROL NOTES

- A minimum of 48 hours notice must be given to the Howard County Department of Inspection, License and Permits Sediment Control Division prior to the start of any construction (313-1855).
- All vegetation and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1984 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, HANCOCK COUNTY DESIGN MANUAL, Storm Drainage.
- All disturbed areas must be stabilized within the time period specified above in accordance with the 1984 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seeding, sod, temporary seeding, and mulching (Sec. G). Temporary stabilization with mulch alone shall 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 3.278 Acres
Area Disturbed 0.552 Acres
Area to be roofed or paved 0.203 Acres
Area to be vegetatively stabilized 0.541 Acres
Total Cut 850 CY
Total Fill 850 CY
Offsite waste/borrow area location #1
- 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 controls 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 shall be back-filled and stabilized within one working day, whichever is shorter.
- Earthwork quantities are solely for the purpose of calculating fees. Contractor to verify all quantities prior to the start of construction.
- To be determined by contractor, with pre-approval of the Sediment Control Inspector with an approved and active grading permit.

21.0 STANDARDS AND SPECIFICATIONS FOR TOPSOIL

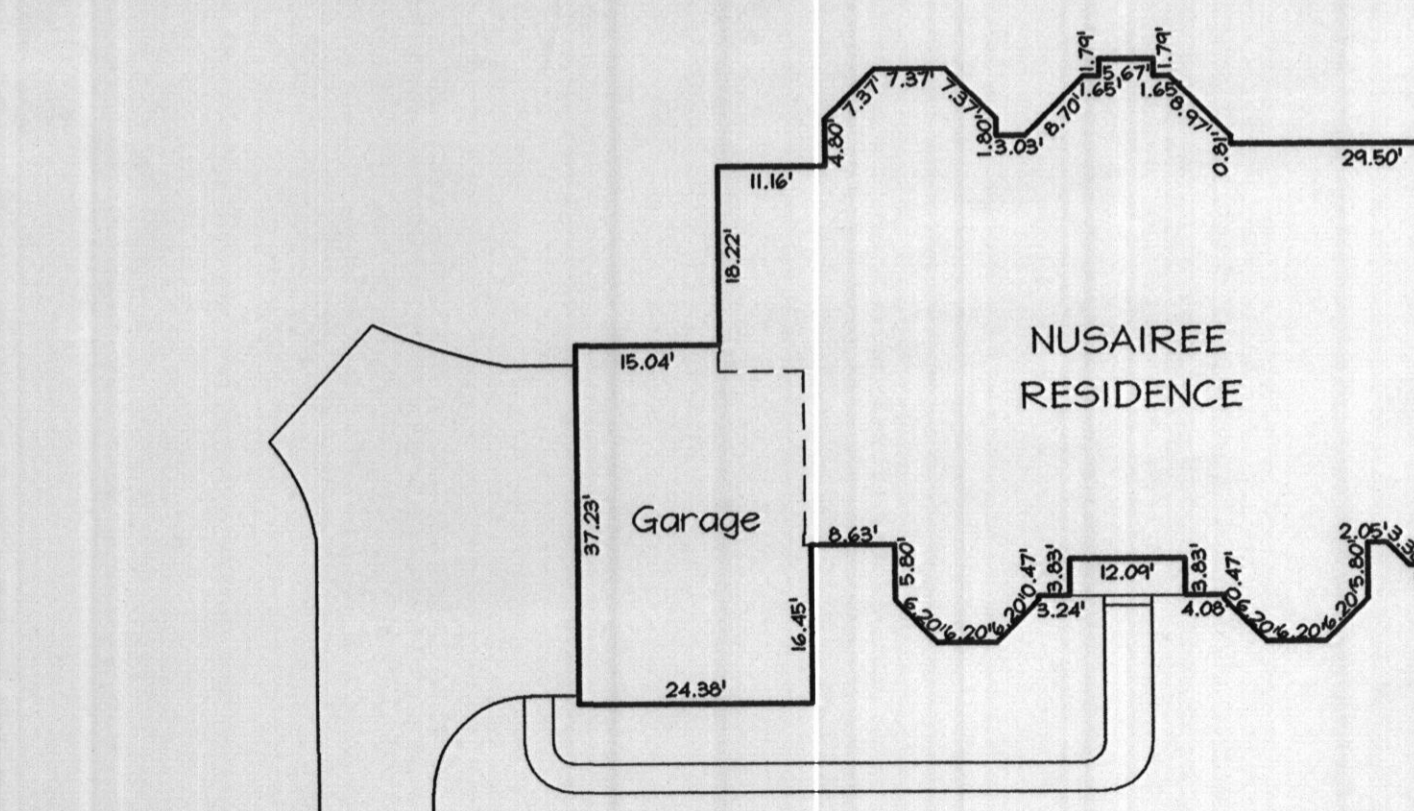
- Definition**
Placement of topsoil over a prepared subsoil prior to establishment of permanent vegetation.
- Purpose**
To provide a suitable soil medium for vegetation growth, which of concern here, are: soil moisture content, low nutrient levels, low pH, materials toxic to plants, and/or unacceptable soil grades.
- 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 plants.
 - 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 if it meets the following:
 - Topsoil shall be from a loam, sandy loam, clay loam, silt loam, sandy clay loam, loamy sand. Other soils may be used if approved by an agronomist or soil scientist and approved by the appropriate approval authority. Regardless, topsoil shall not be a mixture of containing fertilizer, rocks, lime, or other materials larger than 1/2" in diameter.
 - Topsoil must be free of plants or plant parts such as Bermuda grass, sandgrass, Johnsongrass, nutgrass, poison ivy, thistle, or others as specified.
 - 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 pounds per 1,000 square feet) prior to the placement of topsoil. The fertilizer 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 6 acres:
 - Place topsoil (if required) and apply soil amendments as specified in 21.0 Vegetative Stabilization - Section 1 - Vegetative Stabilization Methods and Materials.
 - For sites having disturbed areas over 6 acres:
 - On soil meeting topsoil specifications, obtain test results indicating fertilizer and lime requirements required to bring the soil into compliance with the following: (a) pH of 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 not less than 1% percent by weight; (c) Topsoil having soluble salt content greater than 500 parts per million shall not be used; (d) No seed 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; (e) amendments, as recommended by a qualified agronomist or soil scientist and approved by the appropriate approval authority, may be used in lieu of natural topsoil.
 - Place topsoil (if required) and apply soil amendments specified in 21.0 Vegetative Stabilization-Section 1-Vegetative Stabilization Methods and Materials.
- 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" - 6" higher in elevation.
 - 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 sodding can proceed with a minimum of additional soil preparation and tillage. Any irregularities in the surface resulting from spreading or other operations shall be corrected prior to seeding to prevent the formation of depressions or water pockets.
- TEMPORARY SEEDING NOTES**
- SEEDBED PREPARATION:** Loosen upper three inches of soil by raking, slicing or other acceptable means before seeding, if not previously loosened.
- SOIL AMENDMENTS:** In lieu of soil test recommendations, use one of the following schedules:
1) Preferred-Applied 2 tons per acre dolomitic limestone (92 lbs/100 sq.ft.) and 400 lbs per acre 10-10-10 fertilizer (14 lbs/100 sq.ft.) before seeding. Harvest or disc into upper three inches of soil. At the time of seeding, apply 400 lbs per acre 30-0-0 urea-form fertilizer (14 lbs/100 sq.ft.).
2) Acceptable-Applied 2 tons per acre dolomitic limestone (92 lbs/100 sq.ft.) and apply 1000 lbs per acre 10-10-10 fertilizer (23 lbs/100 sq.ft.) before seeding. Harvest or disc into upper three inches of soil.
- SEEDING:** For the periods March 1 thru April 30 and August 1 thru October 31, seed with 40 lbs per acre (14 lbs/1000 sq.ft.) of Kentucky 31 Tall Fescue; for the period May 1 thru July 31, seed with 40 lbs per acre (14 lbs/1000 sq.ft.) of Kentucky 31 Tall Fescue per acre and 2 lbs per acre (0.8 lbs/1000 sq.ft.) of seeding legume. During the period of October 1 thru February 28, protect site by Option (1) 2 tons per acre well anchored straw mulch and seed as soon as possible in the spring; Option (2) Use seed, Option (3) Seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.
- MULCHING:** Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application with mulch anchoring tool or 200 gallons per acre (5 gal/1000 sq.ft.) of emulsified asphalt on flat areas, 3 to 5 tons per acre or higher, use 540 gallons per acre (5 gal/1000 sq.ft.) for anchoring.
- MAINTENANCE:** Inspect all seeded areas and make needed repairs, replacements and reseedings.
- TEMPORARY SEEDING NOTES**
- SEEDBED PREPARATION:** Loosen upper three inches of soil by raking, slicing or other acceptable means before seeding, if not previously loosened.
- SOIL AMENDMENTS:** Apply 400 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq.ft.).
- SEEDING:** For periods March 1 thru April 30 and from August 15 thru November 30, seed with 1/2 bushel per acre of annual Ryegrass (3.2 lbs/1000 sq.ft.) for the period May 1 thru August 14, seed with 3 lbs per acre of seeding legume (17 gal/1000 sq.ft.). For the period November 1 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.
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- REFER TO THE 1984 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.**

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, slicing or other acceptable means before seeding, if not previously loosened.
- SOIL AMENDMENTS:** In lieu of soil test recommendations, use one of the following schedules:
1) Preferred-Applied 2 tons per acre dolomitic limestone (92 lbs/100 sq.ft.) and 400 lbs per acre 10-10-10 fertilizer (14 lbs/100 sq.ft.) before seeding. Harvest or disc into upper three inches of soil. At the time of seeding, apply 400 lbs per acre 30-0-0 urea-form fertilizer (14 lbs/100 sq.ft.).
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- SEEDING:** For the periods March 1 thru April 30 and August 1 thru October 31, seed with 40 lbs per acre (14 lbs/1000 sq.ft.) of Kentucky 31 Tall Fescue; for the period May 1 thru July 31, seed with 40 lbs per acre (14 lbs/1000 sq.ft.) of Kentucky 31 Tall Fescue per acre and 2 lbs per acre (0.8 lbs/1000 sq.ft.) of seeding legume. During the period of October 1 thru February 28, protect site by Option (1) 2 tons per acre well anchored straw mulch and seed as soon as possible in the spring; Option (2) Use seed, Option (3) Seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.
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- REFER TO THE 1984 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.**

SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	SOIL GROUP
Ba	Boile silt loam	D
CgC2	Chester gravelly silt loam, 8 to 15 percent slopes, moderately eroded	B
ChB2	Chester silt loam, 3 to 8 percent slopes, moderately eroded	B
G1A	Genesee loam, 0 to 3 percent slopes	B

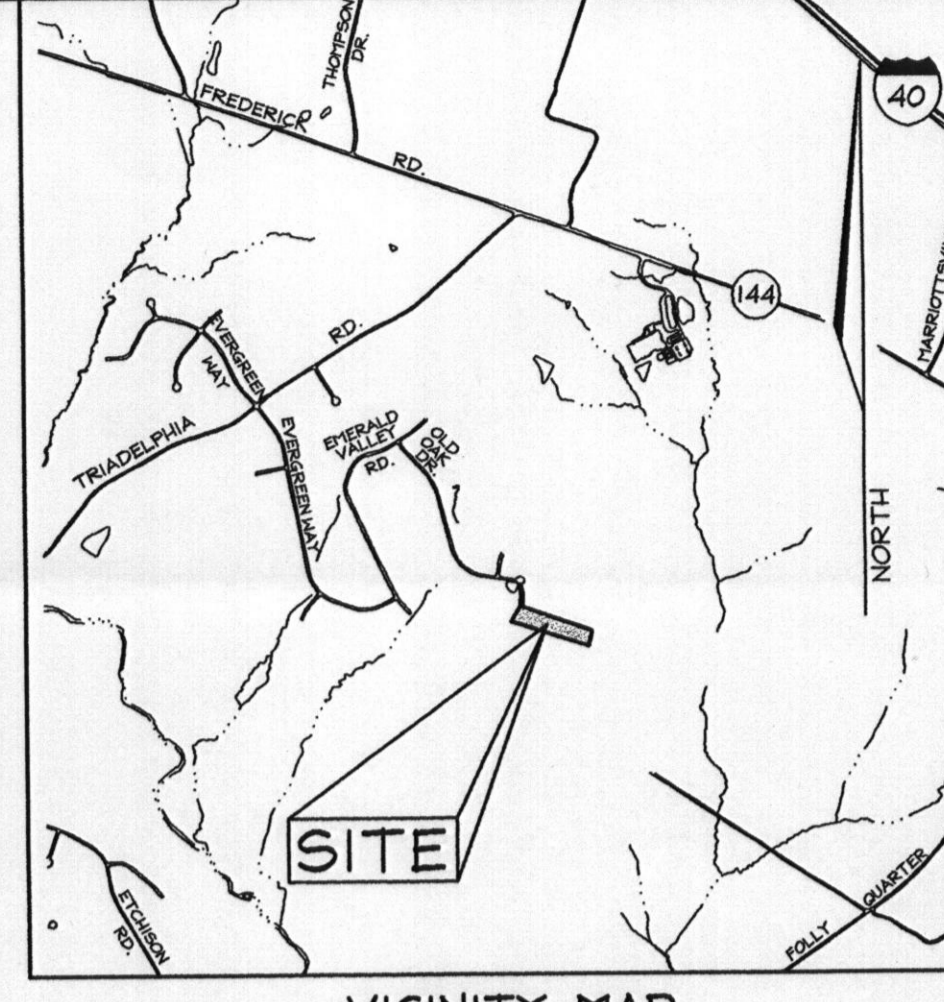


HOUSE ENLARGEMENT

SCALE: 1"=20'

LEGEND

- Existing Contour: --- 302
- Proposed Contour: --- 302
- Spot Elevation: +8253
- Direction of Flow: --->
- Stabilized Construction Entrance: [Symbol]
- Super Silt Fence: ---SSF---SSF---
- Silt Fence: ---SF---SF---
- Limit of Disturbance: ---LOD---
- Earth Dike: ---ED A-1---
- Existing Trees to Remain: [Symbol]
- Existing Sewerage Easement: [Symbol]



VICINITY MAP

SCALE: 1"=2000'

GENERAL NOTES

- Reference: Plat #10446
- Five (5) foot contours are taken from Howard County aerial topographic survey.
- Contractor to confirm all dimension, utilities and topography in the field. If any conflicts arise, contact Engineer before beginning any work.
- Private water, and sewer will be used within this site.
- This area designates a private sewage easement of at least 10,000 square feet as required by the Maryland State Department of the Environment for individual sewage disposal (COMAR 26.04.03). Improvements of any nature in this area are restricted until public sewage system. The County Health Officer shall have the authority to grant variances for adjustments into the private sewage easement. Recordation of a modified sewage easement shall not be necessary.
- All wells and septic systems on adjacent properties within 100' of proposed wells and proposed septic systems have been shown.
- Howard County Soil Map #14
- Septic fields are located on soil types CgC2 and ChB2, as per the soil survey of Howard County.
- The lots shown herein comply with the minimum ownership, width and lot area as required by the Maryland State Department of the Environment.
- The existing well shown on this plan (identified with the attached well tag number: HO-94-2343 has been field located by FSH Associates and is accurately shown.

BUILDER

GREENFIELD HOMES, Inc.
6656 Luster Drive
Highland, Maryland 20777
410.781.6782

PLOT PLAN HAWKSFIELD ESTATES LOT 11

TAX MAP 16#23 GRID 20
3RD ELECTION DISTRICT

FSH Associates

Engineers Planners Surveyors
8316 Forest Street, Ellicott City, MD 21043
Tel: 410-750-2251 Fax: 410-750-7350
E-mail: FSHAssociates@cs.com

DESIGN BY: PS
DRAWN BY: NY
CHECKED BY: ZYF
SCALE: 1"=50'
DATE: Nov. 3, 2004
W.O. No.: 3128
SHEET No.: 1 OF 1