

**HOWARD COUNTY  
 PERMIT APPLICATION**

**PERMIT NUMBER**  
 Bob006690

9106226657

Building Address 13720 Gray Fox Run  
 Suite/Apt. #: \_\_\_\_\_ SDP/M/P/Petition #: F-04-047  
 Census Tract 60300 Subdivision Fairfax  
 Section \_\_\_\_\_ Area \_\_\_\_\_ Lot 4  
 Tax Map 02 Parcel 2 Grid 7  
 Zoning RR Map Coordinates \_\_\_\_\_ Lot size 45,563

Property Owner's Name Ryker Homes  
 Address Box 6  
 City Clewood State MD Zip Code 21731  
 Home Phone \_\_\_\_\_ Work Phone 410 439 6030  
 Applicant's Name & Mailing Address, (if other than stated hereon):  
 Phone \_\_\_\_\_ Fax 410 439 6032

Existing Use Vacant Lot  
 Proposed Use 2 story w/ 3/4 br unit  
 Estimated Construction Cost \$ 300,000.00  
 Description of Work Custom SFD  
2 story w/ 3/4 br attached  
Fullbrnt w/ finished 3/2 bath

Contractor Company \_\_\_\_\_  
 Contact Person \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_  
 License No. \_\_\_\_\_  
 Phone \_\_\_\_\_ Fax \_\_\_\_\_

Occupant or Tenant SPAC  
 Contact Name James P. Ryan Jr.  
 Address Box 6  
 City Clewood State MD Zip Code 21731  
 Phone 410 439 6030 Fax 410 439 6032

Engineer or Architect Company J.P. Taylor  
 Contact Person Mike Hummel  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_  
 Phone \_\_\_\_\_ Fax \_\_\_\_\_

**BUILDING DESCRIPTION - COMMERCIAL**

**BUILDING DESCRIPTION - RESIDENTIAL**

**Building Characteristics**  
 Height: \_\_\_\_\_  
 No. of stories: \_\_\_\_\_  
 Gross area, sq. ft. per floor: \_\_\_\_\_  
 Use group: \_\_\_\_\_  
 Construction type:  
 Reinforced Concrete  
 Structural Steel  
 Masonry  
 Wood Frame  
 State Certified Modular

**Utilities**  
 Water Supply:  
 Public  
 Private  
 Sewage Disposal:  
 Public  
 Private  
 Electric Yes  No   
 Gas Yes  No   
 Heating System:  
 Electric  Oil   
 Natural Gas   
 Propane Gas   
 Sprinkler system: N/A   
 Full  
 Partial  
 Other Suppression  
 # of Heads

**Building Characteristics**  
 SF Dwelling  SF Townhouse   
 Depth \_\_\_\_\_ Width \_\_\_\_\_  
 1st floor: \_\_\_\_\_  
 2nd floor: \_\_\_\_\_  
 Basement: unfinished  
 Finished Basement  Unfinished Basement   
 Crawl space  Slab on Grade   
 No. of Bedrooms \_\_\_\_\_  
 Height: \_\_\_\_\_  
 Multi-family dwellings:  
 No. of efficiency units: \_\_\_\_\_  
 No. of 1 BR units: \_\_\_\_\_  
 No. of 2 BR units: \_\_\_\_\_  
 No. of 3 BR units: \_\_\_\_\_  
 Other Structure: \_\_\_\_\_  
 Dimensions: \_\_\_\_\_  
 Footings: \_\_\_\_\_  
 Roof Height: \_\_\_\_\_  
 State Certified Modular  
 Manufactured Home

**Utilities**  
 Water Supply:  
 Public  
 Private  
 Sewage Disposal:  
 Public  
 Private  
 Electric Yes  No   
 Gas Yes  No   
 Heating System:  
 Electric  Oil   
 Natural Gas   
 Propane Gas   
 Sprinkler system: N/A   
 NFPA #13D  
 NFPA #13R  
 Other:

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Applicant's Signature \_\_\_\_\_  
 Title/Company \_\_\_\_\_

Print Name \_\_\_\_\_  
 Date \_\_\_\_\_

Checks payable to: **DIRECTOR OF FINANCE OF HOWARD COUNTY**  
 \*\* PLEASE WRITE NEATLY AND LEGIBLY \*\*  
**FOR OFFICE USE ONLY**

AGENCY	DATE	SIGNATURE APPROVAL	DPZ SETBACK INFORMATION	PROPERTY ID#
and Development DPZ	1/23/06	[Signature]	Front: <u>30</u>	Filing fee \$ <u>100.00</u>
Public Health			Rear: <u>30</u>	Permit fee \$ _____
Building Official			Side: <u>10</u> / <u>N/A</u>	Excise tax \$ _____
Engineering DPZ			Side St: <u>N/A</u>	Add'l per. fee \$ _____
Health	1/23/06	[Signature]	All minimum setbacks met?	TOTAL FEES \$ _____
Fire Protection			YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Sub-total paid \$ _____
Sediment Control approval required prior to insurance?			Is Entrance Permit required?	Balance due \$ _____
YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>			YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	Check \$ <u>0951</u>
CONTINGENCY CONSTRUCTION START: <input type="checkbox"/>			Historic District?	Validation \$ _____
ONE STOP SHOP: <input type="checkbox"/>			YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
Distribution of Copies:	White: Building Official	Green: LDD, DPZ	Let Coverage for New/Town Zone _____	Accepted by _____
Yellow: DED, DPZ	Pink: Health	Gold: SHA	SDP/Red-line approval date _____	

BY THE ENGINEER:  
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*Michael J. Wain*  
 SIGNATURE OF ENGINEER  
 12/14/06  
 DATE

**DEVELOPER'S CERTIFICATE**

I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION OF THIS PLAN WILL BE PROVIDED WITH A COPY OF THIS PLAN AND THAT THE PLAN WILL BE MAINTAINED AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRADING CENTER 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 IF SO DETERMINED.

*Michael J. Wain*  
 SIGNATURE OF DEVELOPER  
 12/14/06  
 DATE

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

USDA - NATURAL RESOURCE CONSERVATION SERVICE DATE

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

HOWARD SOIL CONSERVATION DISTRICT DATE

**STANDARDS AND SPECIFICATIONS FOR TOPSOIL 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 topsoil to be salvaged shall be 4 to 6 inches. Topsoil shall be tested for pH and organic content. Topsoil shall not be a mixture of chert, stones, slag, coarse fragments, gravel, sticks, rocks, trash, or other materials larger than 1/4 inch diameter.

II. Topsoil Specifications - Soil to be used as topsoil must meet the following:

1. Topsoil shall be a loam, sandy loam, clay loam, silt loam, sandy clay loam, silty clay, or silty clay loam. 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 chert, stones, slag, coarse fragments, gravel, sticks, rocks, trash, or other materials larger than 1/4 inch diameter.

2. Topsoil must be free of plants or plant parts such as bermuda grass, quack grass, johnson grass, nutgrass, poison ivy, thistle, or others as specified.

III. Where the topsoil is either highly acidic or composed of heavy clay, ground limestone shall be spread at the rate of 4-8 lbs/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 paragraphs.

IV. For sites having disturbed areas under 5 acres:

1. Place topsoil (if required) and apply soil amendments as specified in 2.0.0 Vegetative Stabilization - Section 1 - Vegetative Stabilization Methods and Materials.

2. For sites having disturbed areas over 5 acres:

1. On soil meeting Topsoil specifications, obtain test results dictating fertilizer and lime amendments 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 not less than 1.5 percent by weight.

c) Topsoil having soluble salt content greater than 500 parts per million shall not be used.

d) No odor 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.

Note: 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 topsoil.

2. Place topsoil (if required) and apply soil amendments as specified in 2.0.0 Vegetative Stabilization - Section 1 - Vegetative Stabilization Methods and Materials.

V. Topsoil Application

1. When topsoiling, maintain needed erosion and sediment control practices such as diversions, grade stabilization structures, earth channels, slope silt fence and sediment traps and basins.

2. Grades on the area to be topsoiled, which have been previously established, shall be maintained, about 4"-8" higher in elevation.

3. 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.

4. Preparation and tillage. Any irregularities in the surface resulting from sodding or other operations shall be corrected in order to prevent the formation of depressions or water pockets.

5. 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 which may otherwise be detrimental to proper grading and seedbed preparation.

VI. Alternative for Permanent Seeding - Instead of applying the full amount 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 limited to prescribed amendments 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 26.04.02.

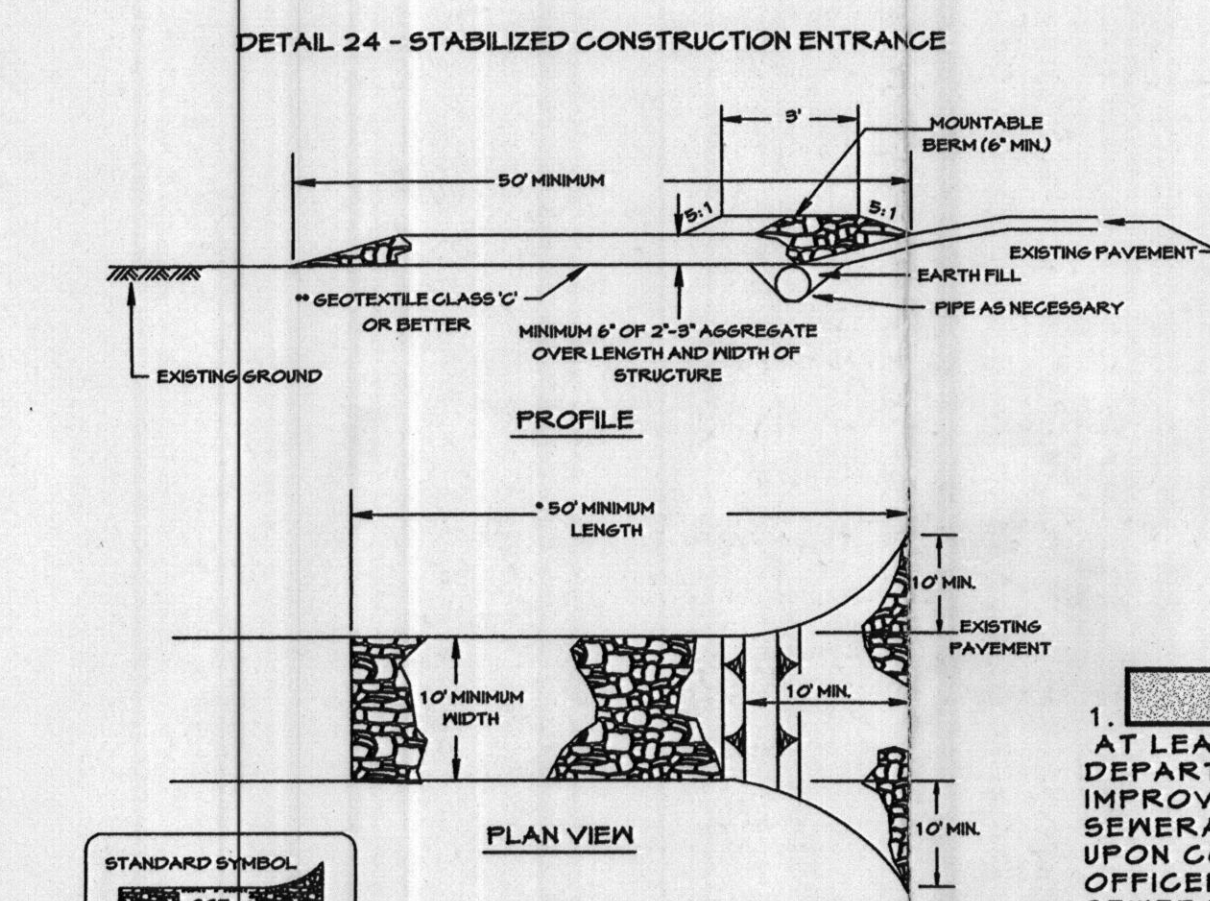
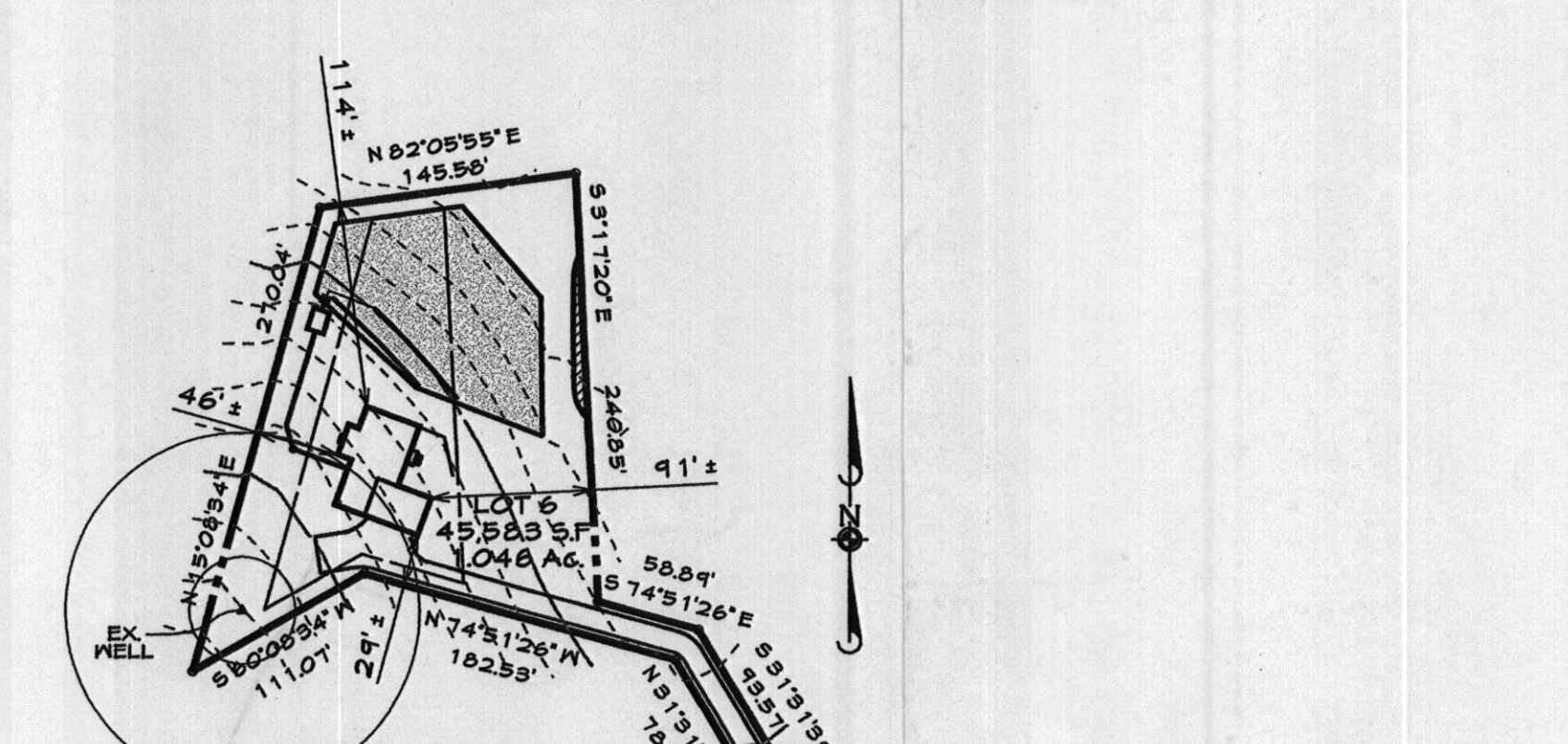
b) Composted sludge shall contain at least 1 percent nitrogen, 1.5 percent phosphorus, and 2.5 percent potassium and have a pH of 7.0 to 8.0. If compost does not meet these requirements, the appropriate constituents must be added to meet the requirements prior to use.

c) Composted sludge shall be applied at a rate of 1 ton/1,000 square feet.

2. 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.

**SEQUENCE OF CONSTRUCTION**

1. OBTAIN GRADING PERMIT.
2. INSTALL SEDIMENT CONTROLS AS SHOWN ON PLAN. (1 DAY)
3. PERFORM NECESSARY GRADING AND STABILIZE THE SITE. BUILD HOUSE (6 MOS.)
4. AFTER THE SITE IS STABILIZED AND PERMISSION IS GRANTED FROM THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROLS AND STABILIZE ANY REMAINING DISTURBED AREAS. (2 DAYS)

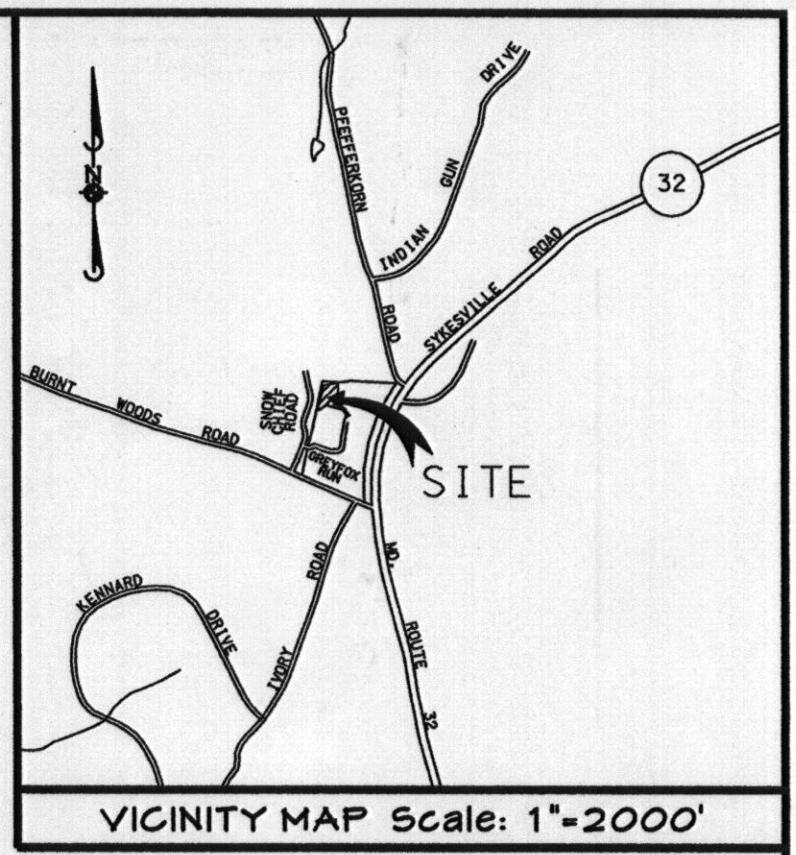


**BUILDING SETBACKS**

FRONT 15'

SIDE 10'

REAR 30'

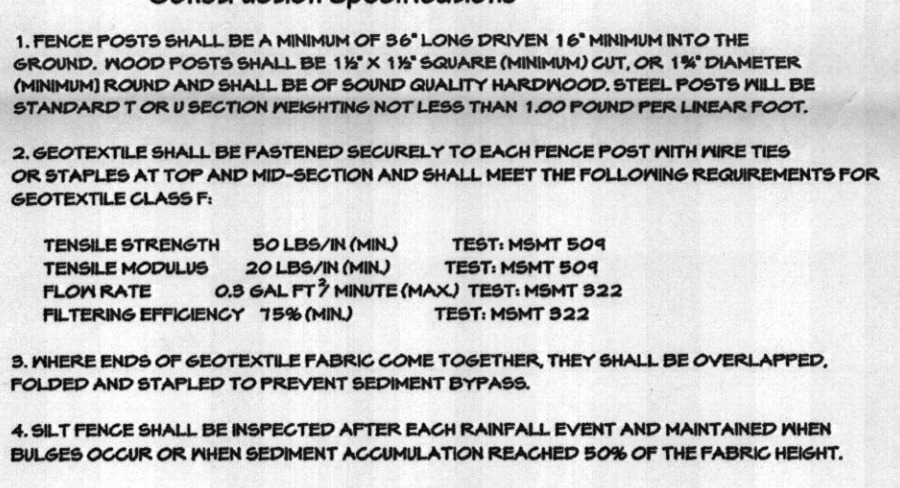
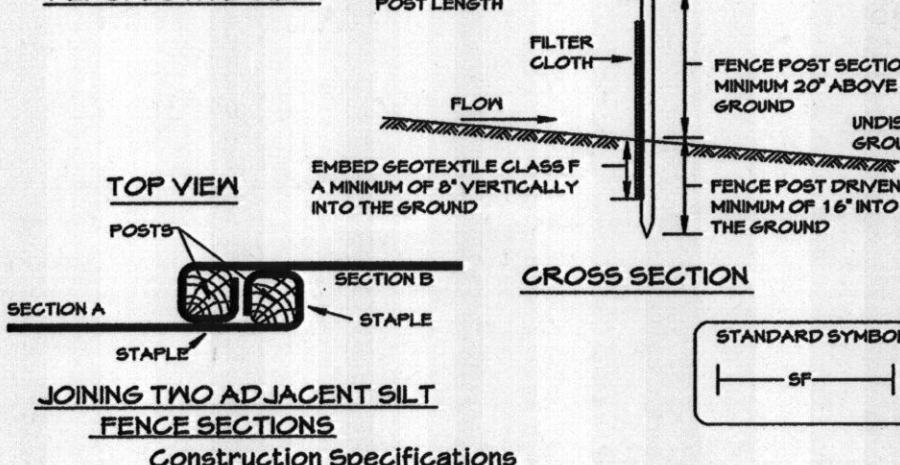
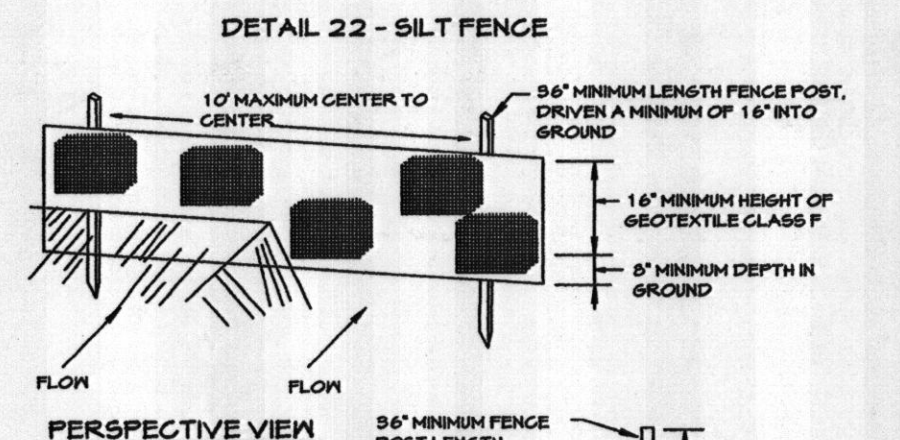


**GENERAL NOTES**

1. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE SEWERAGE 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 SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
2. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
3. EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM THE BEST AVAILABLE INFORMATION.
4. ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
5. ALL WELLS SHALL BE DRILLED PRIOR TO FINAL PLAT RECORDATION. IT IS THE DEVELOPER'S RESPONSIBILITY TO SCHEDULE THE WELL DRILLING PRIOR TO FINAL PLAT SUBMISSION. IT WILL NOT BE CONSIDERED GOVERNMENT DELAY IF THE WELL DRILLING HOLDS-UP THE HEALTH DEPARTMENT SIGNATURE OF THE RECORD PLAT.

**Standard Sediment Control Notes**

1. 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 (8:15-10:30).
2. 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.
3. Following initial soil disturbance or re-disturbance, permanent or temporary sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1 to 4:1 slope as to all other disturbed or graded areas on the project site.
4. All sediment traps/basins shown must be fenced and warning signs posted around their perimeter. In accordance with Vol. 1, Chapter 12 of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
5. All disturbed areas must be stabilized within the time period specified above in accordance with the 1485 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, for permanent seeding (Sec. 5.2) and temporary seeding (Sec. 5.3) and mounding (Sec. 5.2). Temporary stabilization with mulch alone can only be done when recommended seeding rates do not allow for proper germination and establishment of grasses.
6. 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 1.046 Acres 45,583 S.F.  
 Area Disturbed 0.144 Acres 26,500 S.F.  
 Area to be rooted or paved 0.144 Acres 26,500 S.F.  
 Area to be vegetatively stabilized 0.841 Acres 15,583 S.F.  
 Total Cut 500 Cu Yds.  
 Total Fill 500 Cu Yds.  
 Offsite waste/borrow area location
8. Any sediment control practice which is disturbed by grading activity for placement of utilities, must be repaired on the same day of disturbance.
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 is limited to three pipe lengths or that which shall be back-filled and stabilized by the end of each workday, whichever is shorter.



**Silt Fence Design Criteria**

Slope Steepness	(Maximum) Slope Length	(Maximum) Silt Fence Length
Flatter than 50:1	unlimited	unlimited
50:1 to 10:1	125 feet	1,000 feet
10:1 to 5:1	100 feet	750 feet
5:1 to 3:1	60 feet	500 feet
3:1 to 2:1	40 feet	250 feet
2:1 and steeper	20 feet	125 feet

NOTE: IN AREAS OF LESS THAN 2% SLOPE AND SANDY SOILS (BETA GENERAL CLASSIFICATION SYSTEM), SOIL CLASSIFICATION, SLOPE LENGTH, AND SILT FENCE LENGTH WILL BE UNLIMITED. IN THESE AREAS A SILT FENCE MAY BE THE ONLY PERIMETER CONTROL REQUIRED.

APPROVED FOR PRIVATE WATER AND SEWAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

*Robert L. Wain*  
 HOWARD COUNTY HEALTH OFFICER AT MD  
 12/26/06  
 DATE

**HOWARD SOIL CONSERVATION DISTRICT PERMANENT SEEDING NOTES**

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONGEVITY VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DRIVING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOCATED.

SOIL AMENDMENTS IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:

- 1) FERTILIZER - APPLY 2 TONS PER ACRE POLYBLENDED LIMESTONE ONE (42 LBS./1,000 SQ.FT.) AND 600 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1,000 SQ.FT.) BEFORE SEEDING. HARRON OR DISK INTO UPPER THREE INCHES OF SOIL. AT THE TIME OF SEEDING, APPLY 400 LBS. PER ACRE 50-0-0 UREA-FORM FERTILIZER (4 LBS./1,000 SQ.FT.)
- 2) ACCEPTABLE - APPLY 2 TONS PER ACRE POLYBLENDED LIMESTONE ONE (42 LBS./1,000 SQ.FT.) AND 1,000 LBS. PER ACRE 10-10-10 FERTILIZER (25 LBS./1,000 SQ.FT.) BEFORE SEEDING. HARRON OR DISK INTO UPPER THREE INCHES OF SOIL.

SEEDING - FOR THE PERIODS MARCH 1 THROUGH APRIL 30 AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 50 LBS. PER ACRE (14 LBS./1,000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE FOR THE PERIODS MAY 1 THROUGH JULY 31, SEED WITH 60 LBS. KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS. PER ACRE (31 LBS./1,000 SQ.FT.) OF REEFING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THROUGH FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL-ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) - USE SOG. OPTION (3) - SEED WITH 60 LBS. KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TON/ACRE WELL-ANCHORED STRAW.

MULCHING - APPLY 1-1/2 TO 2 TONS PER ACRE (TO 40 LBS./1,000 SQ.FT.) OF UNROTTED NEEDLE FREE SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 2 1/2 GAL. GALF PER ACRE (5 GAL./1,000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS OR 5 FEET OR HIGHER, USE 3/4 GAL. PER ACRE (5 GAL./1,000 SQ.FT.) FOR ANCHORING.

MAINTENANCE - INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

**TEMPORARY SEEDING NOTES**

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT TERM VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DRIVING, OR OTHER ACCEPTABLE MEANS BEFORE SEEDING IF NOT PREVIOUSLY LOCATED.

SOIL AMENDMENTS APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1,000 SQ.FT.)

SEEDING - FOR PERIODS MARCH 1 THROUGH APRIL 30 AND AUGUST 15 THROUGH OCTOBER 15, SEED WITH 2-1/2 BUSHES PER ACRE OF ANNUAL RYE (2 LBS./1,000 SQ.FT.) FOR THE PERIODS OF MAY 1 THROUGH AUGUST 14, SEED WITH 5 LBS. PER ACRE OF REEFING LOVEGRASS (0.7 LBS./1,000 SQ.FT.) FOR THE PERIOD OF NOVEMBER 16 THROUGH NOVEMBER 30. PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL-ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOG.

MULCHING - APPLY 1-1/2 TO 2 TONS PER ACRE (TO 40 LBS./1,000 SQ.FT.) OF UNROTTED NEEDLE FREE SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 2 1/2 GAL. GALF PER ACRE (5 GAL./1,000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS OR 5 FEET OR HIGHER, USE 3/4 GAL. PER ACRE (5 GAL./1,000 SQ.FT.) FOR ANCHORING.

REFER TO THE 1485 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR ADDITIONAL RATES AND METHODS NOT COVERED.

**SEPTIC SYSTEM NOTES**

1. SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT NO. 2. PROPOSED 1250 GALLON SEPTIC TANK  
 A. FIRST FLOOR ELEVATION: 623.83  
 B. BASEMENT ELEVATION: 613.33  
 C. INVERT AT SEPTIC SYSTEM AT HOUSE: 618.0  
 D. INVERT AT SEPTIC TANK: 610.0  
 E. INVERT AT DISTRIBUTION BOX: 614.1  
 F. PROPOSED GRADE OVER SEPTIC TANK: 612.5  
 G. INVERT AT DISTRIBUTION BOX: 604.1  
 H. EXISTING GROUND OVER DISTRIBUTION BOX: 611.0  
 I. LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.  
 3. CONTRACTOR/BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGINNING ANY CONSTRUCTION.

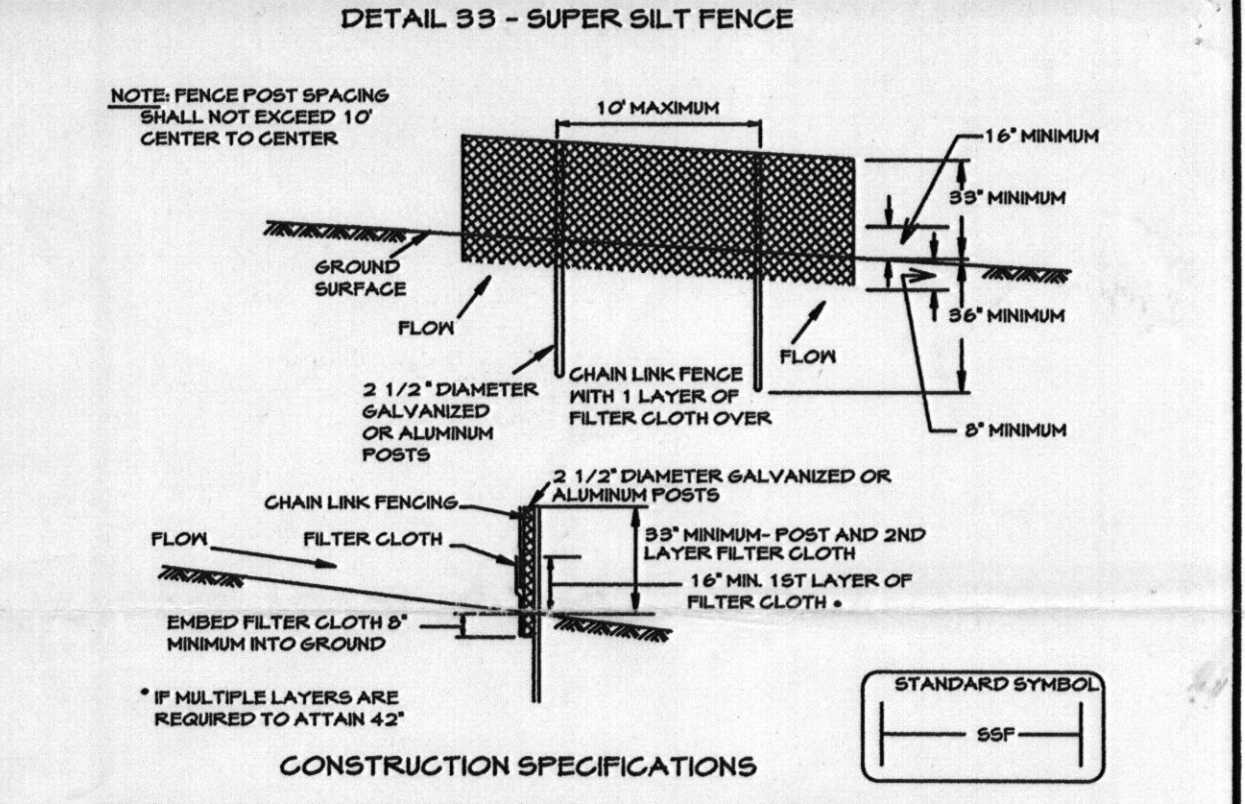
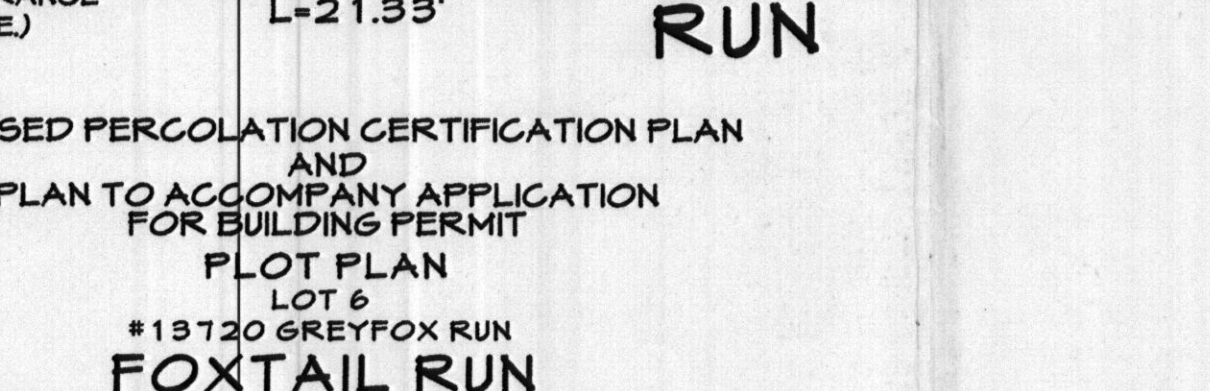
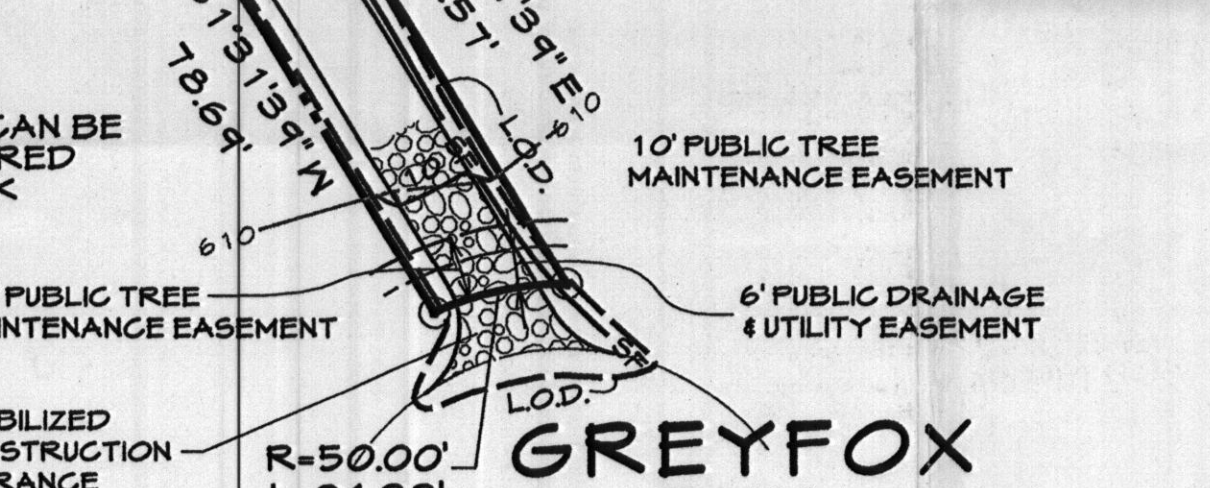
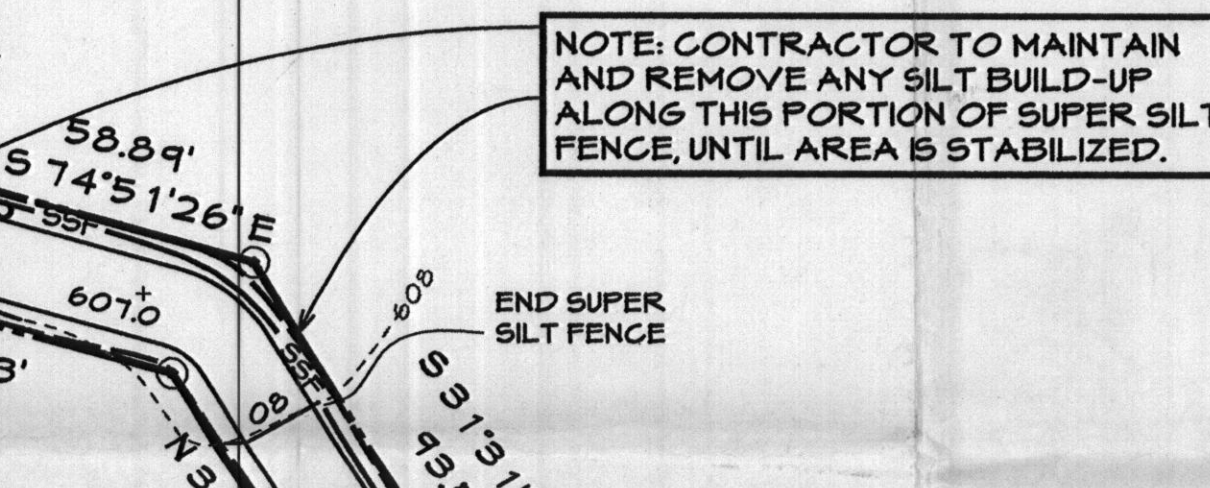
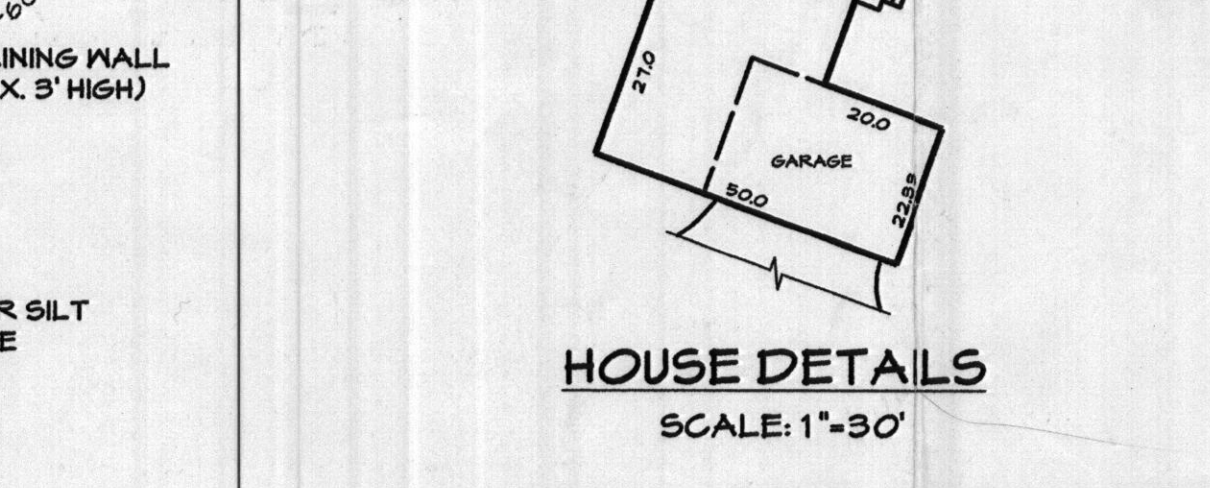
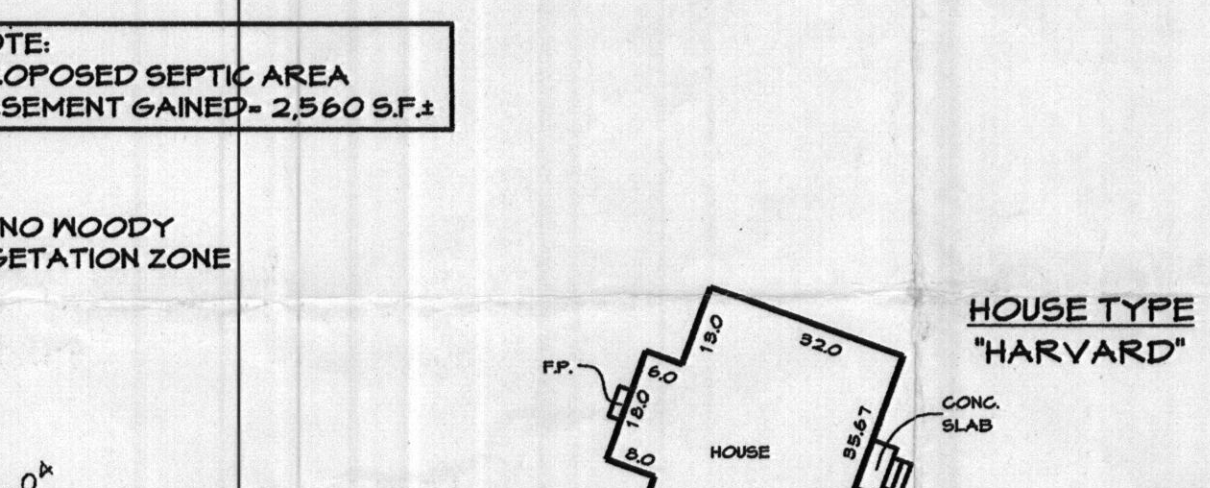
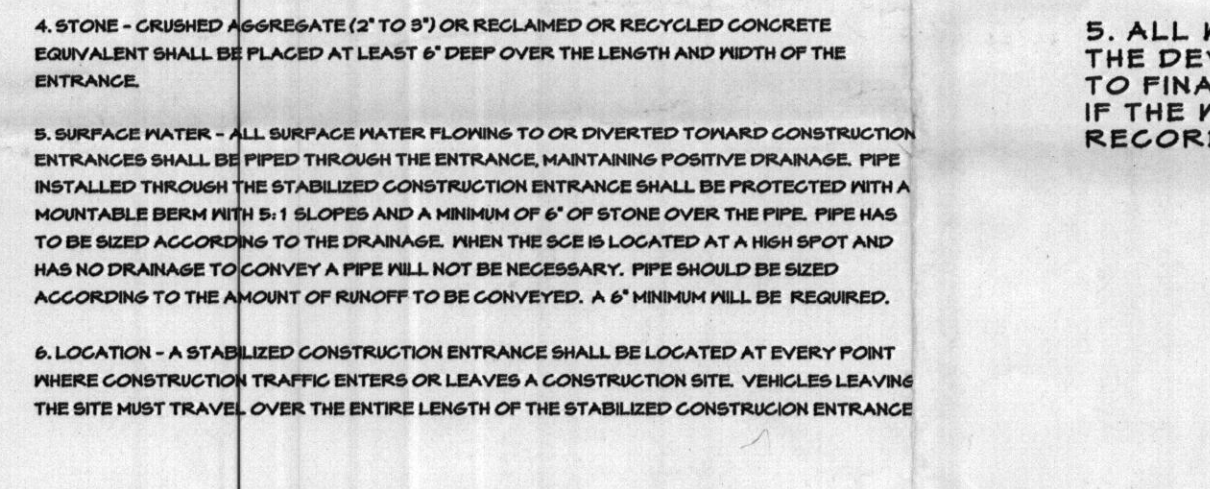
REFER TO VERIFY AVAILABILITY OF BASEMENT SEWER SERVICE PRIOR TO DWELLING TAKEOUT.

**LEGEND**

- SF - DENOTES SILT FENCE
- SSF - DENOTES SUPER SILT FENCE
- DENOTES STABILIZED CONSTRUCTION ENTRANCE (S.C.E.)
- L.O.D. - DENOTES L.O.D. LIMIT OF DISTURBANCE
- S.O. - DENOTES SEWER OUT
- DENOTES TOTAL PROPOSED SEPTIC AREA EASEMENT - 10,685 S.F. ±
- DENOTES APPROVED SEPTIC AREA EASEMENT - 10,000 S.F. ± FROM APPROVED PERCOLATION CERTIFICATION PLAN DATED: 5-14-03
- DENOTES APPROVED PERC HOLE LOCATIONS
- L.O.D. - DENOTES LIMIT OF DISTURBANCE TOTAL AREA - 26,500 S.F.

NOTE: "The existing well(s) shown on this plan (identified with the attached well tag number ex. HO 94-3808) has been field located by Carroll Land Services Inc. professional land surveyor(s) and its accurately shown."

1. LENGTH - MINIMUM OF 50' (50' FOR SINGLE RESIDENCE LOTS)
2. WIDTH - 10' MINIMUM SHOULD BE FLARED AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.
3. 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.
4. 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.
5. SURFACE WATER - ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE FIRED THROUGH THE ENTRANCE, MAINTAINING POSITIVE DRAINAGE. PIPE INSTALLED THROUGH THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROTECTED WITH A HORIZONTAL BERM WITH 1:1 SLOPES AND A MINIMUM OF 6" OF STONE OVER THE PIPE. PIPE HAS TO BE SIZED ACCORDING TO THE DRAINAGE. WHEN THE S.C.E. 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 SHALL BE REQUIRED.
6. 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.



**CONSTRUCTION SPECIFICATIONS**

FENCING SHALL BE 42" IN HEIGHT AND CONSTRUCTED IN ACCORDANCE WITH THE LATEST MARYLAND STATE HESHMPY DETAILS FOR CHAIN LINK FENCING. THE SPECIFICATION FOR A 6" FENCE SHALL BE USED, SUBSTITUTING 42" FABRIC AND 6" LENGTH POSTS.

1. THE POLES DO NOT NEED TO BE SET IN CONCRETE
2. CHAIN LINK FENCE SHALL BE FASTENED SECURELY TO THE FENCE POSTS WITH WIRE TIES. THE LOWER TENSION WIRE BRACE AND TRUSS RODS DRIVE ANCHORS AND POST CAPS ARE NOT REQUIRED EXCEPT ON THE ENDS OF THE FENCE.
3. FILTER CLOTH SHALL BE FASTENED SECURELY TO THE CHAIN LINK FENCE WITH TIES SPACED EVERY 24" AT THE TOP AND MID SECTION.
4. FILTER CLOTH SHALL BE EMBEDDED A MINIMUM OF 8" INTO THE GROUND.
5. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
6. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SILT BUILDUPS REMOVED WHEN "BULGES" DEVELOP ON THE SILT FENCE OR WHEN SILT REACHES 50% OF FENCE HEIGHT.
7. 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.

**DESIGN CRITERIA**

SLOPE	SLOPE STEEPNESS	SLOPE LENGTH SILT FENCE LENGTH (MAXIMUM)	FENCE LENGTH (MAXIMUM)
0 - 10%	0 - 10:1	UNLIMITED	UNLIMITED
10 - 20%	10:1 - 5:1	200 FEET	1,500 FEET
20 - 35%	5:1 - 3:1	100 FEET	1,000 FEET
35 - 50%	3:1 - 2:1	100 FEET	500 FEET
50% +	2:1 +	50 FEET	250 FEET

**BUILDING PERMIT #B06006690**

DATE	REVISIONS	BY
5/22/06	RESITE NEIGH HOUSE 4 GRADES	JEP
8/11/06	ADDED NOTE AS PER COUNTY COMMENT	JEP
12/14/06	ADDED REV. PERCOLATION CERT. PLAN HV NOTES ETC. AS PER HOWARD CO.	JEP

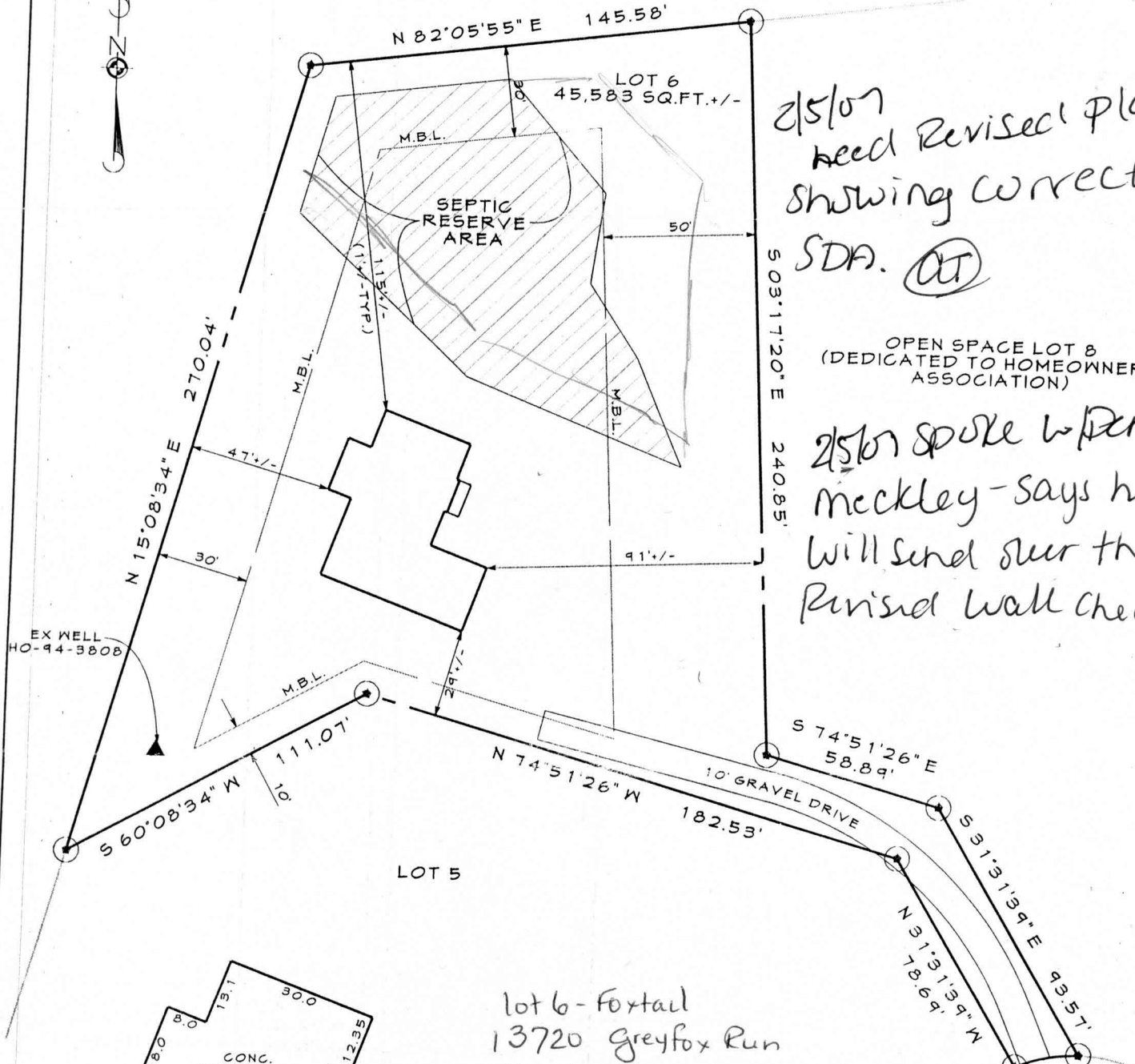
**CLSI**  
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 www.clsi-civileng.com

**FREDERICK OFFICE:**  
 5111 Pegasus Court, Suite B  
 Frederick, MD 21704-5318  
 (301) 662-7799  
 FAX (301) 662-8004

**WESTMINSTER OFFICE:**  
 439 East Main Street  
 Westminster, MD 21157-5539  
 (410) 848-1790  
 FAX (410) 848-1791

Alfred L. Hamard  
 Professional Engineer Registration No. 23444  
 Date: 8/04/09  
 Drawing No.: 2005009  
 County File No.:

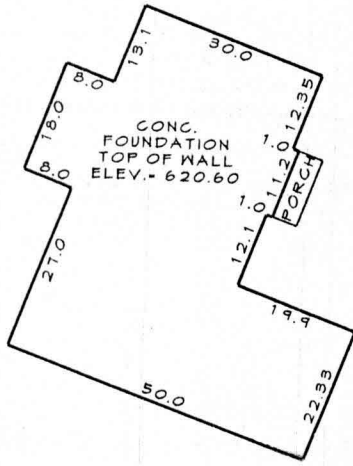
County File No. F- -



2/5/07  
need Revised plan  
showing correct  
SDA. (at)

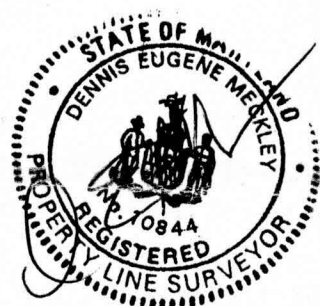
OPEN SPACE LOT 8  
(DEDICATED TO HOMEOWNERS  
ASSOCIATION)

2/5/07 spoke w/ Dennis  
Meckley - says he  
will send over the  
Revised wall check. (at)



HOUSE DETAIL  
SCALE: 1"=30'

lot 6 - Foxtail  
13720 Greyfox Run  
Genes, MD 21737  
Bldg. Permit # B06006690



GREYFOX  
RUN

A licensed Maryland Surveyor either personally prepared this Foundation Certification, or was in responsible charge over its preparation and the surveying work reflected in it, in compliance with the Maryland Minimum Standards of Practice for Land Surveyors.

I hereby certify that I have surveyed the property shown hereon for the sole purpose of locating the improvements. This plan is for the benefit to the consumer only in so far as it is required by a lender or title insurance company or its agent in connection with a contemplated transfer, financing or refinancing. It is not to be relied upon for the establishment of boundary, easement or right-of-way lines for any reason, such as the location of fences, garages, buildings, or other existing or future improvements.

*Dennis E. Meckley*  
Dennis E. Meckley Property Line Surveyor No. 10844  
Date 1/24/07

### FOUNDATION CERTIFICATION LOT 6

# FOXTAIL RUN

3rd ELECTION DISTRICT HOWARD COUNTY, MD.  
PLATBOOK: 17124

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www.clsi-civileng.com

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Westminster, MD 21157-5539  
(410) 848-1790  
FAX (410) 848-1791

DRAWN BY:	CDD
DESIGN BY:	
REVIEW BY:	DEM
DATE:	1-22-07
SCALE:	1"=50'
JOB NO:	2005003
SHEET:	1 OF 1