

Building Address 3120 EMERALD VALLEY DR
ELLCOTT CITY, MD 21043

Suite/Apt. #: _____ SDP/WP/Petition #: _____

Census Tract 6030 Subdivision HAWKSFIELD

Section _____ Area _____ Lot 24

Tax Map 161A Parcel 40 Grid 20
RC050

Zoning _____ Map Coordinates _____ Lot size _____

Property Owner's Name GREENFIELD HOMES
Address 6656 LUSTER DR
City WYOMING State MD Zip Code 21777
Home Phone 410-781-6782 Work Phone _____
Applicant's Name & Mailing Address, (if other than stated hereon): _____
Phone 410-781-6782 Fax 493-523-0551

Existing Use VACANT LOT
Proposed Use NEW SFD
Estimated Construction Cost \$ 600,000

Description of Work 4 BR, 3 1/2 BA, 3 CAR GAR,
2 GAS FP, UNFIN BSMT, ROUGH IN BATH IN ADJ
WALKOUT AT REAR

Contractor Company GREENFIELD HOMES, INC.
Contact Person RICK MINER (C 410-365-3712)
Address 1656 LUSTER DR
City WYOMING State MD Zip Code 21777
License No. HBL00361
Phone 410-781-6782 Fax 493-523-0551

Occupant or Tenant _____
Contact Name _____
Address _____
City _____ State _____ Zip Code _____
Phone _____ Fax _____

Engineer or Architect Company MARK F. ...
Contact Person MARK F. ...
Address _____
City _____ State _____ Zip Code _____
Phone _____ Fax _____

BUILDING DESCRIPTION - <u>COMMERCIAL</u>		BUILDING DESCRIPTION - <u>RESIDENTIAL</u>	
Building Characteristics	Utilities	Building Characteristics	Utilities
Height: _____	Water Supply: <input type="checkbox"/> Public <input type="checkbox"/> Private	SF Dwelling <input checked="" type="checkbox"/> SF Townhome _____ Depth _____ W _____	Water Supply: <input type="checkbox"/> Public <input type="checkbox"/> Private
No. of stories: _____	Sewage Disposal: <input type="checkbox"/> Public <input type="checkbox"/> Private	1st floor: _____ 2nd floor: _____ Basement: _____	Sewage Disposal: <input type="checkbox"/> Public <input type="checkbox"/> Private
Gross area, sq. ft. per floor: _____	Electric Yes <input type="checkbox"/> No <input type="checkbox"/> Gas Yes <input type="checkbox"/> No <input type="checkbox"/>	Finished Basement <input type="checkbox"/> Unfinished Basement <input type="checkbox"/> Crawl space <input type="checkbox"/> Slab on Grade <input type="checkbox"/> No. of Bedrooms <u>4</u>	Electric Yes <input type="checkbox"/> No <input type="checkbox"/> Gas Yes <input type="checkbox"/> No <input type="checkbox"/>
Use group: _____	Heating System: Electric <input type="checkbox"/> Oil <input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas <input type="checkbox"/>	Multi-family dwellings: No. of efficiency units: _____ No. of 1 BR units: _____ No. of 2 BR units: _____ No. of 3 BR units: _____	Heating System: Electric <input type="checkbox"/> Oil <input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas <input type="checkbox"/>
Construction type: <input type="checkbox"/> Reinforced Concrete <input type="checkbox"/> Structural Steel <input type="checkbox"/> Masonry <input type="checkbox"/> Wood Frame	Sprinkler system: N/A <input type="checkbox"/> Full _____ Partial _____ Other Suppression _____ # of Heads _____	Other Structure: _____ Dimensions: _____ Footings: _____ Roof: _____	Sprinkler system: N/A <input type="checkbox"/> NFA #13D _____ NFA #13R _____ Other: _____
<input type="checkbox"/> State Certified Modular		<input type="checkbox"/> State Certified Modular <input type="checkbox"/> Manufactured Home	

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 [Signature] Print Name RICK MINER
Date 5/7/04

Title/Company _____
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#:
Land Development, DPZ			Front: _____	Filing fee \$ <u>100</u>
State Highways			Rear: _____	Permit fee \$ _____
Building Official			Side: _____	Excise tax \$ _____
Dev. Engineering, DPZ	<u>6/4/04</u>	<u>Mark R. ...</u>	Side St.: _____	Add'l per. fee \$ _____
Health			All minimum setbacks met? YES <input type="checkbox"/> NO <input type="checkbox"/>	TOTAL FEES \$ _____
Fire Protection			Is Entrance Permit required? YES <input type="checkbox"/> NO <input type="checkbox"/>	Sub-total paid \$ _____
Is Sediment Control approval required prior to issuance? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>			Historic District? YES <input type="checkbox"/> NO <input type="checkbox"/>	Balance due \$ _____
CONTINGENCY CONSTRUCTION START: <input type="checkbox"/>			Lot Coverage for NewTown Zone _____	Check # <u>17584</u>
ONE STOP SHOP: <input type="checkbox"/>			SDP/Red-line approval date _____	Validation # <u>4771</u>
				Accepted by <u>[Signature]</u>

PP
11/12/04

#25
CR 18717
11-10-04 CR 80937

Ms. Avis Corbin
3430 Courthouse Dr.
Ellicott City, Md. 21043

Owes 25.00

Re: B00148483 - A

LOT 24 Hawksfield Estates
~~3124~~ Emerald Valley Dr.
Ellicott City, Md. 21042
3120

We request to amend the above referenced permit to :
Add a sunroom with a fifth bedroom above, enlarge the living room, and enlarge the family room. All specifications will remain the same. Attached are revised architectural and site plans.

Thank you,

Rick Minor
Rick Minor

RASAP

cc. Health Dept
DP2
11/12/04

11/16/04

To: Ms. Avis Corbin

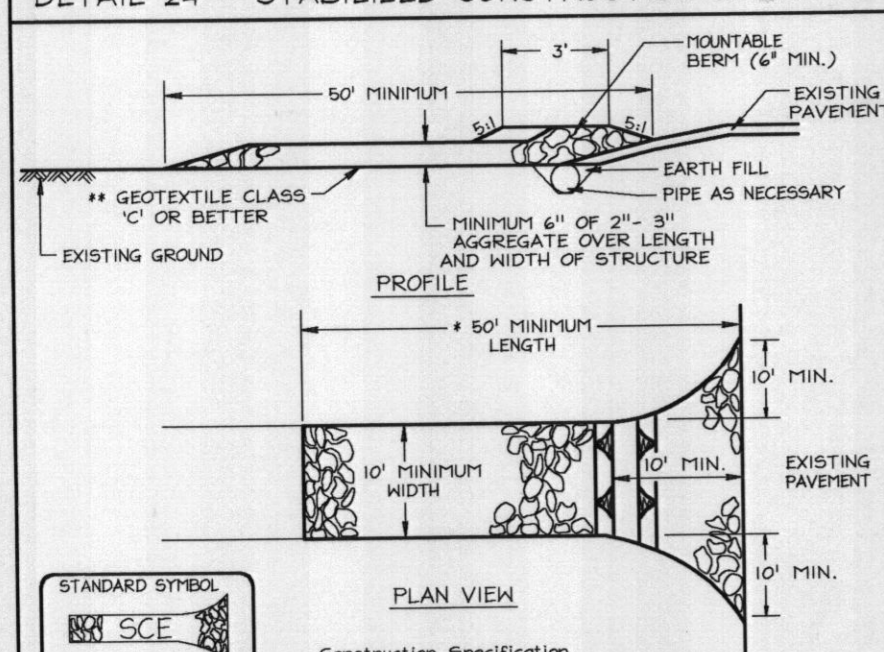
Thank you -
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Your Request for a 5th Bedroom cannot be granted. The permit is only suitable for 4 Bedroom House.

KJB



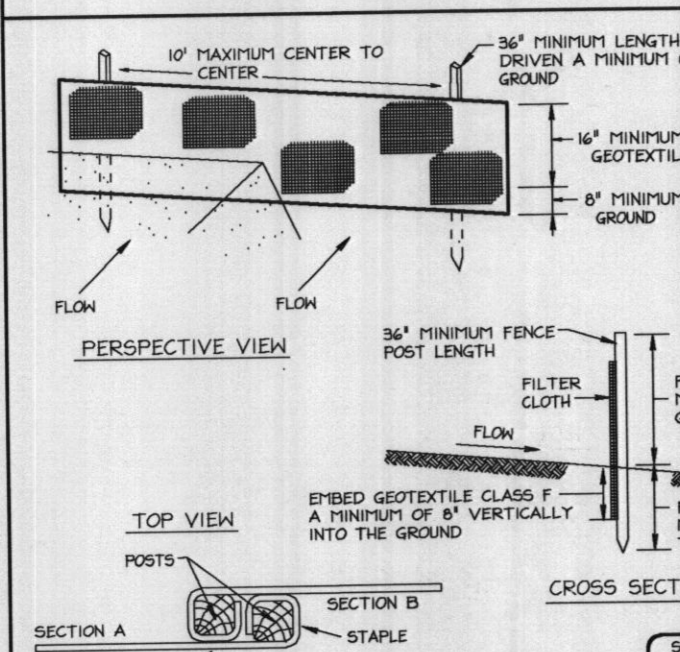
DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE



- Construction Specifications**
- Length - minimum of 50' (+30' for a single residence lot).
 - Width - 10' minimum, should be flared at the existing road to provide a turning radius.
 - Geotextile fabric (filter cloth) shall be placed over the ground prior to placing stone. If the site 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 piped through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a manhole term with 5:1 slopes and a minimum of 4" of stone over the pipe. Pipe has to be sized according to the drainage. When the SCF is installed 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 SOIL CONSERVATION SERVICE PAGE 1 OF 3 HARTLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

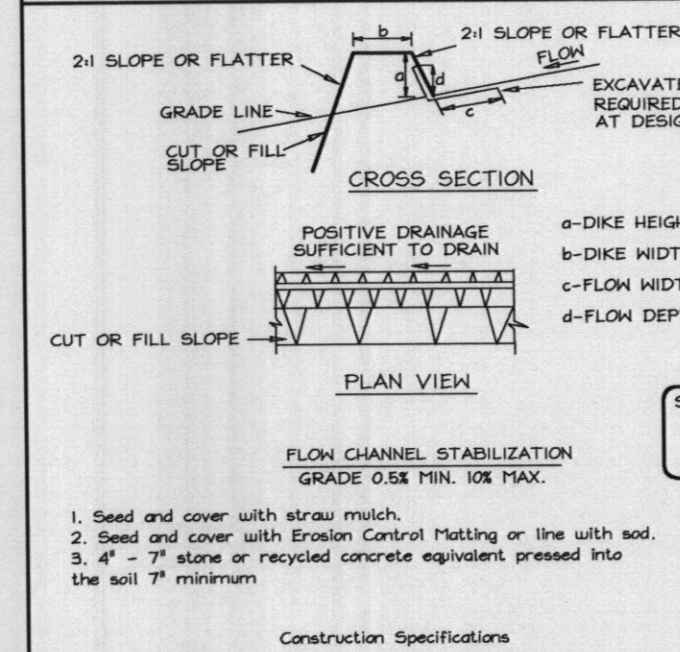
DETAIL 22 - SILT FENCE



- Construction Specifications**
- Fence posts shall be a minimum of 3/4" long, driven 18" minimum into the ground. Wood posts shall be 1 1/2" x 1 1/2" square (minimum) oak, or 3/4" diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be standard T or U section weighing not less than 1.00 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: MSPT 604
 - Tensile Modulus: 20 lbs/in (min.) Test: MSPT 604
 - Flow Rate: 0.3 gal/ft (max.) Test: MSPT 322
 - Filtering Efficiency: 75% (min.) Test: MSPT 322
 - Where ends of geotextile fabric come together, they shall be overlapped, loaded 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 SOIL CONSERVATION SERVICE PAGE 2 OF 3 HARTLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL 1 - EARTH DIKE



- Construction Specifications**
- All temporary earth dikes shall have uninterrupted 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 outlet directly 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 top, grade and cross section as required to meet the criteria specified herein and be free of bank projections or other irregularities which will impede normal 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 SOIL CONSERVATION SERVICE PAGE 3 OF 3 HARTLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FLOOD DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS REQUIRED.

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 (42 lbs/1000 sq.ft.) and 400 lbs per acre 10-10-10 fertilizer (4 lbs/1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil. All the time of seeding, apply 100 lbs. per acre 30-0-0 ureamorph fertilizer (4 lbs/1000 sq.ft.).
- Acceptable - Apply 2 tons per acre dolomitic limestone (42 lbs/1000 sq.ft.) and 400 lbs per acre 10-10-10 fertilizer (4 lbs/1000 sq.ft.) before seeding. Harrow or disc 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/1000 sq.ft.) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs. Kentucky 31 Tall Fescue per acre and 2 lbs. per acre (0.5 lbs/1000 sq.ft.) of ureamorph fertilizer. During the period of October 16 thru February 28, preseed site with Option (1) 2 tons per acre urea 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 urea anchored straw.

MULCHING: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq. ft.) of untreated straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 200 gallons per acre (5 gal/1000 sq.ft.) of emulsified asphalt on flat areas. On slopes 5 feet or higher, use 345 gallons per acre (6 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, disking or other acceptable means before seeding. If not previously loosened.

SOIL AMENDMENTS: Apply 60 lbs. per acre 10-10-10 fertilizer (1.4 lbs/1000 sq.ft.).

SEEDING: For the periods March 1 thru April 30 and August 15 thru November 15, seed with 1 1/2 bushel per acre of annual ryegrass (3.3 lbs/1000 sq.ft.). For the period May 1 thru August 14, seed with 1 lb. per acre of ureamorph fertilizer (0.7 lbs/1000 sq.ft.). For the period September 1 thru February 28, preseed site by applying 2 tons per acre of urea 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/1000 sq.ft.) of untreated straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 200 gallons per acre (5 gal/1000 sq.ft.) of emulsified asphalt on flat areas. On slopes 5 feet or higher, use 345 gallons per acre (6 gal/1000 sq.ft.) for anchoring.

REFER TO THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

SEDIMENT CONTROL NOTES

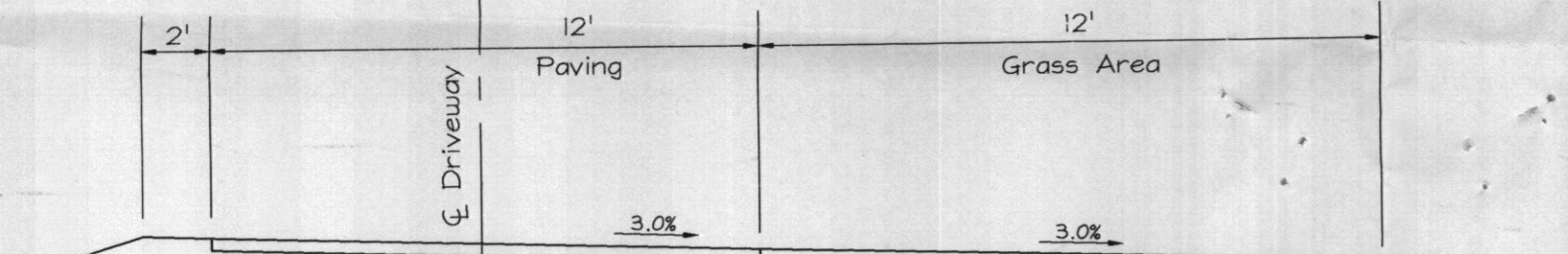
- A minimum of 48 hours notice must be given to the Howard County Department of Inspection, License and Permits Sediment Control Division prior to the start of any construction (313-1855).
- All vegetation and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1994 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 shall be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 7, 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 for permanent seeding, sod, temporary seeding, and mulching (Sec. 6). 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	7.52 Acres
Area Disturbed	0.68 Acres
Area to be roofed or paved	0.22 Acres
Area to be vegetatively stabilized	0.46 Acres
Total Cut	1250 CY
Total Fill	287 CY

 Offsite waste/borrow area location: 11.
- 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.
- 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.

GENERAL NOTES

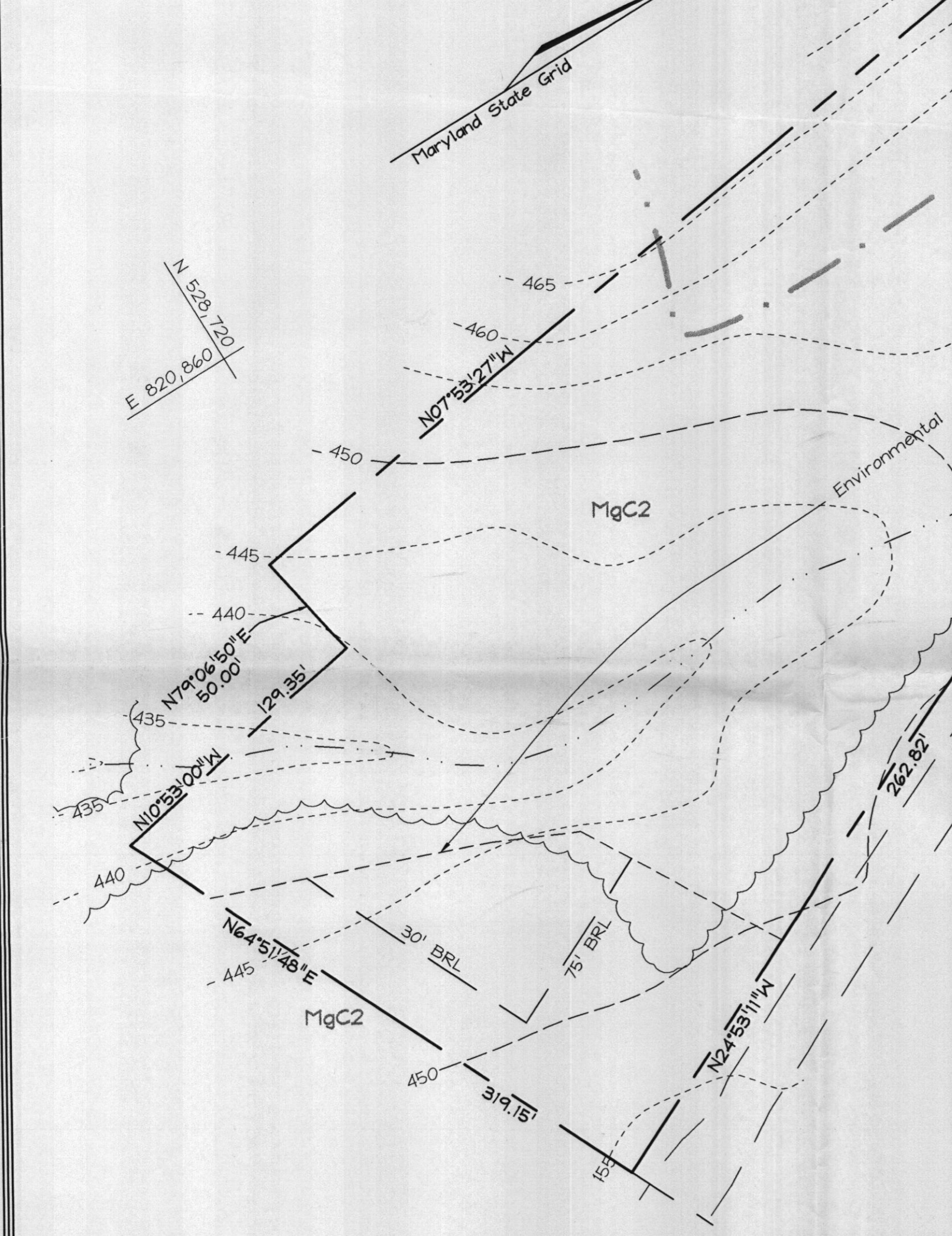
- Reference: Plat #11417.
- Five (5) foot contours are taken from Howard County aerial topographic survey.
- Contractor to confirm all dimension, utilities and topography in the field. If any conflicts arise, contact Engineer before beginning any work.
- Private water, and sewer will be used within this site.
- Basement will not sewer by gravity. Ejector pump required.
- Pump required to deliver sewage effluent to Distribution Box.
- This area designates a private sewage reserve area 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 is available. These reserve areas shall become null and void upon connection to a public sewage system. The County Health Officer shall have the authority to grant adjustments to the private sewage reserve area. Recordation of a modified sewage reserve area shall not be necessary.
- Howard County Soil Map #14
- Septic fields are located on soil type MgC2, as per the soil survey of Howard County.
- All wells and septic systems on adjacent properties within 100' of proposed wells and proposed septic systems have been shown.
- Stormwater Management is being provided by rooftop and non-rooftop disconnects for all new impervious areas.
- The existing well shown on this plan (identified with the attached well tag number: HO-94-2352) has been field located by C. B. Miller professional surveyor and is accurately shown.



TYPICAL DRIVEWAY SECTION

NOT TO SCALE

Paving Section per Howard County standards for private driveways



SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	SOIL GROUP
Ba	Baile silt loam	D
MgC2	Minor gravelly loam, 8 to 15 percent slopes, moderately eroded	B
MIB2	Minor loam, 3 to 8 percent slopes, moderately eroded	B
MID2	Minor loam, 15 to 25 percent slopes, moderately eroded	B

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 vegetative growth. Soils of concern have low moisture content, low nutrient levels, low pH, moderate toxic to plants, and/or unacceptably soil gradation.

Conditions Where Practice Applies:

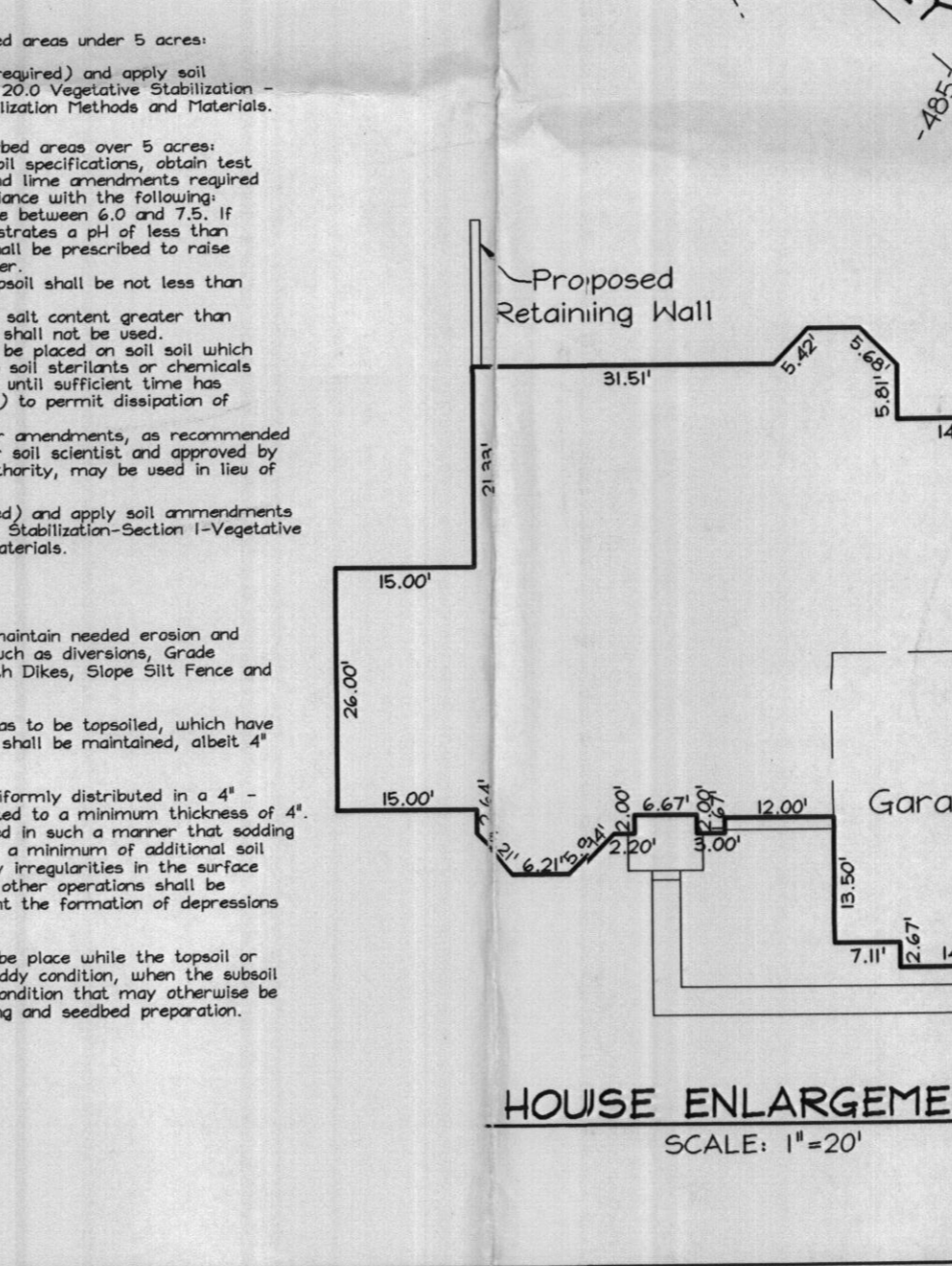
- This practice is limited to areas having 2:1 or flatter slopes where:
 - The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.
 - The soil material is so shallow that the rooting zone is not deep enough to support plants or furnish supplies of moisture and 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 plan.

Construction and Material Specifications:

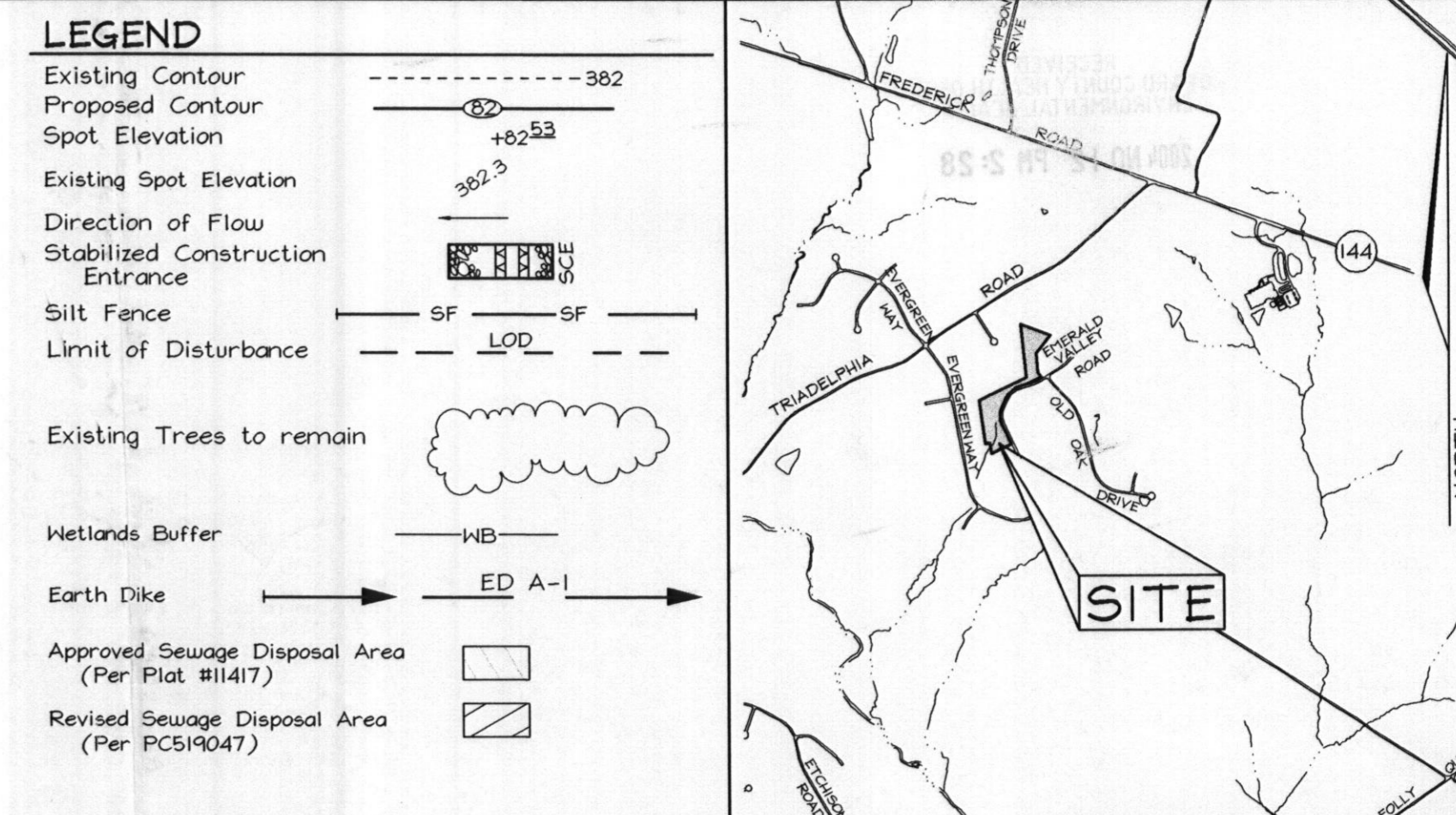
- Topsoil salvaged from the existing site may be used provided that it meets the standards set forth in these specifications. Typically, the depth of topsoil to be salvaged for a given soil type can be found in the representative soil profile section in the Soil Survey published by USDA-SCS in cooperation with Maryland Agricultural Experiment Station.
- Topsoil Specifications - Soil to be used as topsoil must meet the following:
 - Topsoil shall be a loamy, sandy loam, clay loam, silt loam, sandy clay loam, loamy sand. Other soils may be used if recommended by an agronomist or a soil scientist and approved by the appropriate approval authority. Regardless, small soil not be a mixture of contrasting textures and shall contain less than 1% by volume of ordered stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger than 1 and 1/2" in diameter.
 - Topsoil must be free of plants or plant parts such as Bermuda grass, quackgrass, nutgrass, ryeblade, johnny, thistle, or others as specified.
 - Where the subsoil is either highly acidic or composed of heavy clays, 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. Lime shall be distributed uniformly over designated areas and worked into the soil in cooperation with tillage operations as described in the following procedure.

Application:

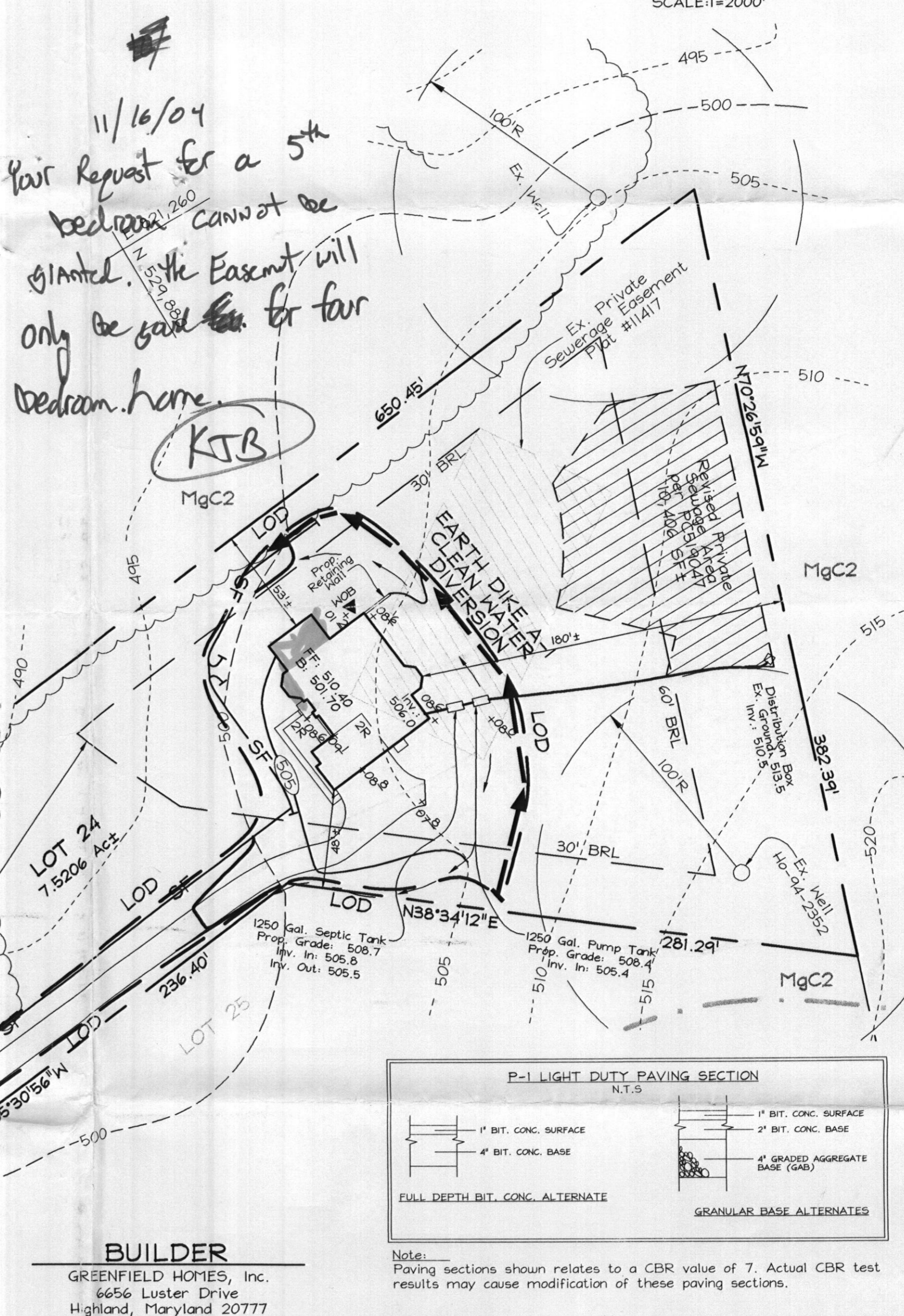
- When topsoiling, maintain needed erosion and sediment control practices such as diversions, Grade Stabilization Structures, Earth Dikes, Slope Soil Fence and Sediment Traps and Basins.
- Grades on the areas to be topsoiled, which have been previously established, shall be maintained, altered, or higher 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 seeding or seeding on ground 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.



HOUSE ENLARGEMENT SCALE: 1"=20'



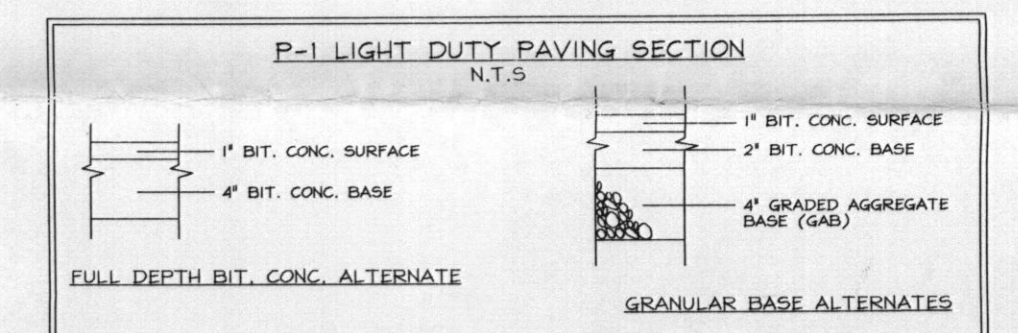
VICINITY MAP SCALE: 1"=2000'



*11/16/04
Fair Request for a 5th bedroom cannot be granted. The Easement will only be good for four bedroom here.*

SEQUENCE OF CONSTRUCTION

- Obtain Grading permit.
- Notify Howard County Department of Inspections, License and Permits at (410) 313-1880 at least 24 hours before starting any work.
- Install Stabilized Construction Entrance and Silt Fence. (1 week)
- Begin house construction.
- Complete house construction, construct driveway, fine grade site, and install Erosion Control Matting. (3 months)
- During grading and after each rainfall, contractor will inspect and provide necessary maintenance to the sediment control measures on this plan.
- Following initial soil disturbance or any redistributions, permanent or temporary stabilization shall be completed within:
 - 7 calendar days for all perimeter sediment control structures, dikes, swales and all slopes greater than 3:1.
 - 14 calendar days for all other disturbed areas.
- Upon stabilization of all disturbed areas and with the permission of the sediment control inspector, remove all sediment control measures and stabilize any remaining disturbed area. (1 week)



Note: Paving sections shown relates to a CBR value of 7. Actual CBR test results may cause modification of these paving sections.

PLOT PLAN
HAWKSFIELD ESTATES
LOT 24

TAX MAP 16423 GRID 20
3RD ELECTION DISTRICT

LOT 24
HOWARD COUNTY, MARYLAND

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

DESIGN BY: PS
DRAWN BY: MY
CHECKED BY: ZYF
SCALE: 1"=50'
DATE: Nov. 4, 2004
W.O. No.: 3128
SHEET No.: 1 OF 1