

58' x 15'  
Deck

**NOTES**

1. GRADING SHOWN IS SIMILAR TO GRADING SHOWN ON 'CONCEPTUAL GRADING PLAN FOR STORMWATER MANAGEMENT', SHEET 13 OF 16, F-06-111.

**SHANABERGER & ANE**  
 2726 TOWN & COUNTRY BLVD.  
 SUITE 201  
 ELLICOTT CITY, MD. 21043  
 PHONE: 410-461-9563  
 FAX: 410-461-8693

**DEVELOPER**  
 VIKING DEVELOPMENT  
 216 WINDRIVER DR.  
 SYKESVILLE, MD 21784  
 (410) 977-2188

**GRADING DETAIL**  
**LOT 12 FULTON RIDGE**  
 FLAT #18906 ZONING: RR-DEO  
 TAX MAP 41 GRID 13 PARCEL 2  
 5TH ELECTION DIST. HOWARD COUNTY, MD.  
 SCALE: 1"=30' JUNE 17, 2011

\$25.00 OK#1982  
Scanned 11/3/11

To:

Avis L. Corbin  
Chief Licenses & Permits  
Howard County MD 21043  
Ellicott City

NOV 3, 2011

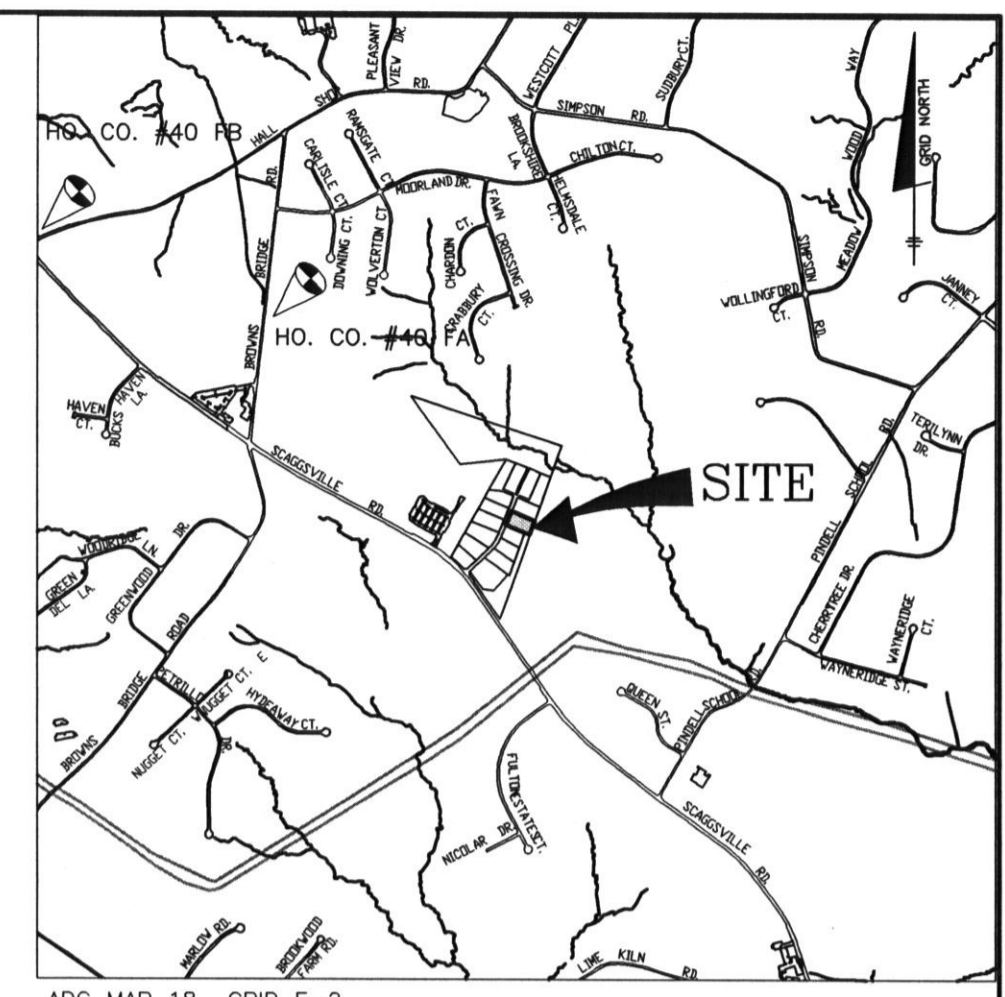
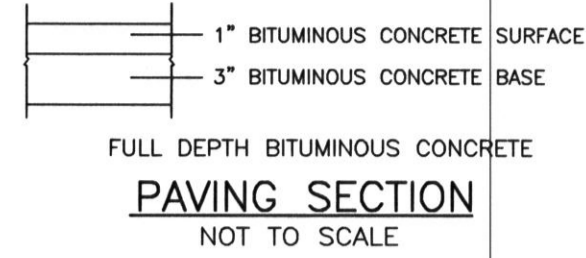
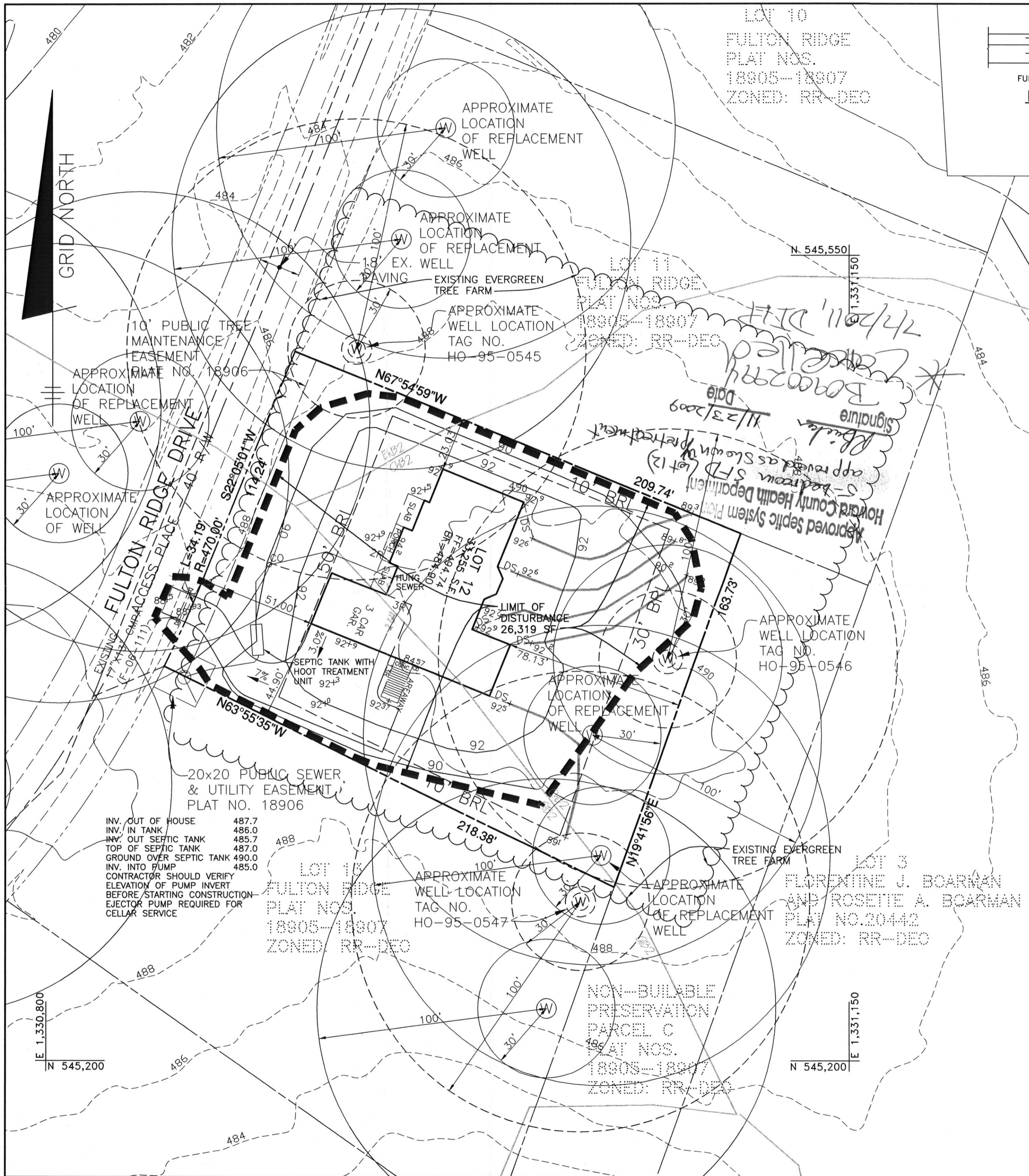
B11001810

Build Permit  
OK  
11-10-11

I would like to Amend my Permit to include  
A Deck off the back of house 58' Long + 15' out  
As Drawing indicate And to change Garage doors  
from 2 8' to 1 16' door.

Richard Knight  
Builder  
6906 Greenleigh Dr  
Columbia MD 21046  
443 421 0331

CC: Health  
Zoning  
DED



VICINITY MAP  
SCALE: 1"=200'

**NOTES:**

1. THE LOT SHOWN HEREON WAS RECORDED ON THE PLAT FOR FULTON RIDGE, PLAT No. 18907. REFER TO THE PLAT FOR LOT DIMENSIONS, LOT AREAS, ALL EASEMENTS, ANY RESTRICTIONS, AND PROVISIONS.
2. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA IS RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWER SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN. RECORDATION OF A MODIFIED EASEMENT PLAT SHALL NOT BE NECESSARY. THIS LOT HAS ITS SEPTIC DISPOSAL ON PARCEL "C" AS SHOWN ON SEWER CONTRACT # 50-4293-D.
3. SEDIMENT AND EROSION CONTROLS WILL BE PROVIDED IN ACCORDANCE WITH THE STANDARD SEDIMENT CONTROL PRACTICES.
4. TOPOGRAPHY SHOWN HEREON IS TAKEN FROM HOWARD COUNTY GIS INFORMATION AND HAS BEEN FIELD VERIFIED BY BENCHMARK ENGINEERING, INC., ON 8/2009 AND IS ACCURATELY SHOWN.
5. ALL SEDIMENT AND EROSION CONTROL FEATURES USED ON THIS SITE SHALL COMPLY WITH 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
6. ALL DRAINAGE AND STORMWATER MANAGEMENT FEATURES USED ON THIS SITE MUST COMPLY WITH THE APPROVED ROAD CONSTRUCTION PLANS F-06-111 AND THE STORMWATER MANAGEMENT REPORT SUBMITTED WITH THE BUILDING PERMIT. DISCONNECTION OF ROOFTOP RUNOFF HAS BEEN APPLIED TO THIS LOT.
7. SEPTIC TANK FOR THIS LOT IS 1,500 GALLONS AND HAS A TREATMENT UNIT IN IT PER CONTRACT No. 50-4293-D.
8. THE EXISTING WELL SHOWN ON THIS PLAN, HO-95-0546, HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. AND IS ACCURATELY SHOWN.

**LEGEND**

- EXISTING WELL LOCATION
- PROPOSED REPLACEMENT WELL LOCATION
- DISCONNECTION FLOW PATH
- DOWN SPOT LOCATION

| NO. | DATE | REVISION |
|-----|------|----------|
|     |      |          |

**BENCHMARK**  
 ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS  
**ENGINEERING, INC.**  
 8480 BALTIMORE NATIONAL PIKE ▲ SUITE 418  
 ELLICOTT CITY, MARYLAND 21043  
 PHONE: 410-465-6105 ▲ FAX: 410-465-6644  
 EMAIL: bei@bei-civilengineering.com

|   |  |  |  |
|---|--|--|--|
| OWNER/BUILDER:  |  | PROJECT:   |  |
| SUE MITCHEM<br>7221 PINDELL SCHOOL ROAD<br>FULTON, MARYLAND 20759<br>240-375-9444 |  | <b>FULTON RIDGE</b><br>LOT 12<br>LOCATION: 12118 FULTON RIDGE DRIVE<br>FULTON, MD 20759<br>TAX MAP No. 41, GRID No. 13, PARCEL No. 506<br>5th ELECTION DISTRICT<br>HOWARD COUNTY, MARYLAND |  |
| DESIGN: JMC   |  | TITLE: BUILDING PERMIT PLOT PLAN   |  |
| DRAFT: JMC  |  | HOUSE TYPE: MITCHEM RESIDENCE  |  |
| DATE: AUGUST, 2009  |  | PROJECT NO. 2265   |  |
| SCALE: 1" = 30'   |  | DRAWING 1 OF 1   |  |

Building Address 12118 Fulton Drive  
Fulton, MD 20759

Suite/Apt. #: \_\_\_\_\_ SDP/WP/Petition #: \_\_\_\_\_

Census Tract \_\_\_\_\_ Subdivision Fulton Drive

Section \_\_\_\_\_ Area \_\_\_\_\_ Lot 12

Tax Map 41 Parcel 506 Grid 13

Zoning \_\_\_\_\_ Map Coordinates \_\_\_\_\_ Lot Size 33,755 sq. ft.

Property Owner's Name JOSEPH MITCHELL  
 Address 7221 PINNELL SCHOOL RD  
 City Fulton State MD Zip Code 20759  
 Home Phone (240) 375-1444 Work Phone \_\_\_\_\_  
 Applicant's Name & Mailing Address, (if other than stated herein): \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 Phone \_\_\_\_\_ Fax \_\_\_\_\_

Existing Use VACANT  
 Proposed Use RESIDENTIAL DWELLING  
 Estimated Construction Cost \$ 600,000.00

Description of Work CONSTRUCTION OF NEW RESIDENTIAL SMALL FAMILY DWELLING

Occupant or Tenant OCCUPANT

Contact Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_  
 Phone \_\_\_\_\_ Fax \_\_\_\_\_

Contractor Company THE MRS JAMES CUSTOM HOMES  
 Contact Person JIM DEAN  
 Address 2910 ST STEPHENS WOODS DR  
 City CROWNSVILLE State MD Zip Code 21032  
 License No. MHBR # 3831  
 Phone (301) 658-8892 Fax (410) 713-0056

Engineer or Architect Company BEACONMARK ENGINEERS  
 Contact Person JOHN CARNEY  
 Address 8480 Rockledge National Pike  
 City ELICOTT CITY State MD Zip Code 21043  
 Phone (410) 465-6105 Fax (410) 465-6144

**BUILDING DESCRIPTION - COMMERCIAL**

| Building Characteristics   | Utilities   |
|--|---|
| Height: _____  | Water Supply: _____<br><input type="checkbox"/> Public<br><input type="checkbox"/> Private  |
| No. of stories: _____  | Sewage Disposal: _____<br><input type="checkbox"/> Public<br><input type="checkbox"/> Private   |
| Gross area, sq. ft. per floor: _____   | Electric Yes <input type="checkbox"/> No <input type="checkbox"/><br>Gas Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Use group: _____   | Heating System: _____<br>Electric <input type="checkbox"/> Oil <input type="checkbox"/><br>Natural Gas <input type="checkbox"/><br>Propane Gas <input type="checkbox"/>               |
| Construction type: _____<br><input type="checkbox"/> Reinforced Concrete<br><input type="checkbox"/> Structural Steel<br><input type="checkbox"/> Masonry<br><input type="checkbox"/> Wood Frame<br><input type="checkbox"/> State Certified Modular | Sprinkler system: N/A <input type="checkbox"/><br><input type="checkbox"/> Full<br><input type="checkbox"/> Partial<br><input type="checkbox"/> Other Suppression<br># of Heads _____ |

**BUILDING DESCRIPTION - RESIDENTIAL**

| Building Characteristics   | Utilities  |
|--|--|
| SF Dwelling <input checked="" type="checkbox"/> SF Townhouse <input type="checkbox"/><br>Depth _____ Width _____<br>1st floor: <u>34 x 34 (10x84)-216</u><br>2nd floor: <u>34 x 34 (10x84)-216</u><br>Basement: <u>34 x 34 (10x84)-216</u> | Water Supply: _____<br><input type="checkbox"/> Public<br><input checked="" type="checkbox"/> Private  |
| Finished Basement <input checked="" type="checkbox"/> Unfinished Basement <input type="checkbox"/> Crawl space <input type="checkbox"/> Slab on Grade <input type="checkbox"/><br>No. of Bedrooms <u>5</u>                                 | Sewage Disposal: _____<br><input type="checkbox"/> Public<br><input checked="" type="checkbox"/> Private   |
| Multi-family dwellings:<br>No. of efficiency units: _____<br>No. of 1 BR units: _____<br>No. of 2 BR units: _____<br>No. of 3 BR units: _____  | Electric Yes <input type="checkbox"/> No <input type="checkbox"/><br>Gas Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>                                       |
| Other Structure: _____<br>Dimensions: _____<br>Footings: _____<br>Roof: _____  | Heating System: _____<br>Electric <input type="checkbox"/> Oil <input type="checkbox"/><br>Natural Gas <input type="checkbox"/><br>Propane Gas <input checked="" type="checkbox"/> |
| <input type="checkbox"/> State Certified Modular<br><input type="checkbox"/> Manufactured Home   | Sprinkler system: N/A <input type="checkbox"/><br><input type="checkbox"/> NFPA #13D<br><input type="checkbox"/> NFPA #13R<br>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 \_\_\_\_\_  
Member / Thomas James Custom Homes  
 Title/Company

Print Name JAMES J. DEAN  
 Date 11/03/09

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 \$ _____     |
| State Highways   |  |                    |          | Rear: _____  | Permit fee \$ _____     |
| Building Officials                                       |  |                    |          | Side: _____  | Excise tax \$ _____     |
| Dev. Engineering, DPZ                                    |  |                    |          | Side St.: _____  | Add'l per fee \$ _____  |
| Health   | <u>11/23/2009</u>  | <u>R. Bruckner</u> |          | All minimum setbacks met?                                | TOTAL FEES \$ _____     |
| Fire Protection  |  |                    |          | YES <input type="checkbox"/> NO <input type="checkbox"/> | Sub-total paid \$ _____ |
| Is Sediment Control approval required prior to issuance? | YES <input type="checkbox"/> NO <input type="checkbox"/> |                    |          | Is Entrance Permit Required?                             | Balance due \$ _____    |
|  |  |                    |          | YES <input type="checkbox"/> NO <input type="checkbox"/> | Check # _____           |
|  |  |                    |          | Historic District?                                       | Validation # _____      |
|  |  |                    |          | YES <input type="checkbox"/> NO <input type="checkbox"/> |                         |
|  |  |                    |          | Lot Coverage for New Town Zone _____                     |                         |
|  |  |                    |          | SDP/Red-line approval date _____                         | Accepted by _____       |

Permits: 410-313-2455  
 Inspections: 410-313-1810  
 Automated Line: 410-313-3800

Howard County Building/Fire Permit Application  
 Department of Inspections, Licenses & Permits  
 3430 Court House Drive  
 Ellicott City, MD 21043

Permit Number: 11101111

Building Address: 11101111  
 Suite/Apt. # \_\_\_\_\_ SDP/WP/BA #: \_\_\_\_\_  
 Census Tract: \_\_\_\_\_ Subdivision: 11101111  
 Section: \_\_\_\_\_ Area: \_\_\_\_\_ Lot: 11101111  
 Tax Map: \_\_\_\_\_ Parcel: \_\_\_\_\_ Grid: \_\_\_\_\_  
 Zoning: \_\_\_\_\_ Map Coordinates: \_\_\_\_\_ Lot Size: \_\_\_\_\_

Property Owner's Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
 Home Phone: \_\_\_\_\_ Work Phone: \_\_\_\_\_  
 Applicant's Name & Mailing Address, (if other than stated herein):  
 \_\_\_\_\_  
 Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
 Email: \_\_\_\_\_

Existing Use: \_\_\_\_\_  
 Proposed Use: \_\_\_\_\_  
 Estimated Construction Cost: \$ \_\_\_\_\_  
 Description of Work: \_\_\_\_\_

Contractor Company: 11101111  
 Contact Person: 11101111  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
 License No.: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
 Email: \_\_\_\_\_

Occupant or Tenant: \_\_\_\_\_  
 Was tenant space previously occupied?  Yes  No  
 Contact Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
 Email: \_\_\_\_\_

Engineer/Architect Company: \_\_\_\_\_  
 Responsible Design Prof.: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
 Email: \_\_\_\_\_

**BUILDING DESCRIPTION - COMMERCIAL**

| Building Characteristics   | Utilities   |
|--|---|
| Height:  | <u>Water Supply</u>   |
| No. of stories:  | <input type="checkbox"/> Public   |
| Gross area, sq. ft./floor:                                       | <input type="checkbox"/> Private  |
|  | <u>Sewage Disposal</u>  |
| Area of construction (sq. ft.):                                  | <input type="checkbox"/> Public   |
|  | <input type="checkbox"/> Private  |
| Use group:   | Electric: <input type="checkbox"/> Yes <input type="checkbox"/> No        |
|  | Gas: <input type="checkbox"/> Yes <input type="checkbox"/> No             |
| <u>Construction type:</u>  | <u>Heating System</u>   |
| <input type="checkbox"/> Reinforced Concrete                     | <input type="checkbox"/> Electric <input type="checkbox"/> Oil            |
| <input type="checkbox"/> Structural Steel                        | <input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas |
| <input type="checkbox"/> Masonry                                 | <u>Sprinkler System:</u>  |
| <input type="checkbox"/> Wood Frame                              | <input type="checkbox"/> N/A  |
| <input type="checkbox"/> State Certified Modular                 | <input type="checkbox"/> Full   |
| <input checked="" type="checkbox"/> Roadside Tree Project Permit | <input type="checkbox"/> Partial  |
| <input type="checkbox"/> Yes <input type="checkbox"/> No         | <input type="checkbox"/> Other Suppression                                |
| Roadside Tree Project Permit #                                   | No. of Heads:   |

**BUILDING DESCRIPTION - RESIDENTIAL**

| Building Characteristics  | Utilities  |
|---|--|
| <input checked="" type="checkbox"/> SF Dwelling <input type="checkbox"/> SF Townhouse | <u>Water Supply</u>  |
| <u>Depth</u> <u>Width</u>   | <input type="checkbox"/> Public                                    |
| 1 <sup>st</sup> floor:  | <input type="checkbox"/> Private                                   |
| 2 <sup>nd</sup> floor:  | <u>Sewage Disposal</u>   |
| Basement:   | <input type="checkbox"/> Public                                    |
| <input type="checkbox"/> Finished Basement  | <input type="checkbox"/> Private                                   |
| <input type="checkbox"/> Unfinished Basement  | Electric: <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Crawl Space  | Gas: <input type="checkbox"/> Yes <input type="checkbox"/> No      |
| <input type="checkbox"/> Slab on Grade  | <u>Heating System</u>  |
| No. of Bedrooms:  | <input type="checkbox"/> Electric                                  |
| <u>Multi-family Dwelling</u>  | <input type="checkbox"/> Oil                                       |
| No. of efficiency units:  | <input type="checkbox"/> Natural Gas                               |
| No. of 1 BR units:  | <input type="checkbox"/> Propane Gas                               |
| No. of 2 BR units:  |  |
| No. of 3 BR units:  |  |
| Other Structure:  |  |
| Dimensions:   |  |
| Footings:   | <input checked="" type="checkbox"/> Roadside Tree Project Permit   |
| Roof:   | <input type="checkbox"/> Yes <input type="checkbox"/> No           |
| <input type="checkbox"/> State Certified Modular                                      | <u>Roadside Tree Project Permit #</u>                              |
| <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: \_\_\_\_\_  
 Email Address: \_\_\_\_\_  
 Title/Company: \_\_\_\_\_

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

Checks Payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY

\*\*PLEASE WRITE NEATLY & LEGIBLY\*\*

-FOR OFFICE USE ONLY-

| AGENCY               | DATE | SIGNATURE OF APPROVAL     |
|----------------------|------|---------------------------|
| State Highways       |      |                           |
| Building Officials   |      |                           |
| PSZA ( Zoning )      |      |                           |
| PSZA ( Engineering ) |      |                           |
| Health               |      | <u>0-27-11 D. Bernard</u> |
| Fire Protection      |      |                           |

Is Sediment Control approval required for issuance?  Yes  No  
 CONTINGENCY CONSTRUCTION START  
 ONE STOP SHOP

DPZ SETBACK INFORMATION

Front: \_\_\_\_\_  
 Rear: \_\_\_\_\_  
 Side: \_\_\_\_\_  
 Side St.: \_\_\_\_\_  
 All minimum setbacks met?  Yes  No  
 Is Entrance Permit Required?  Yes  No  
 Historic District?  Yes  No  
 Lot Coverage for New Town Zone: \_\_\_\_\_  
 SDP/Red-line approval date: \_\_\_\_\_

|                 |    |
|-----------------|----|
| Filing Fee      | \$ |
| Permit Fee      | \$ |
| Tech Fee        | \$ |
| Excise Tax      | \$ |
| PSFS            | \$ |
| Guaranty Fund   | \$ |
| Add'l per Fee   | \$ |
| Total Fees      | \$ |
| Sub- Total Paid | \$ |
| Balance Due     | \$ |

**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:

1. Preferred -- Apply 2 tons/acre dolomitic limestone (92 lbs/1000 sq. ft.) and 600 lbs/acre (10-10-10 fertilizer (14 lbs/1000 sq. ft.)) before seeding. Harrow or disk into upper three inches of soil. At time of seeding, apply 400 lbs/acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq. ft.).
2. Acceptable -- Apply 2 tons/acre dolomitic limestone (92 lbs/1000 sq. ft.) and 1000 lbs/acre (10-10-10 fertilizer (23 lbs/1000 sq. ft.)) before seeding. Harrow or disk into upper three inches of soil.

**Seeding:** For the periods March 1 -- April 30, and August 1 -- October 15, seed with 60 lbs/acre (1.4 lbs/1000 sq. ft.) of Kentucky 31 Tall Fescue. For the period May 1 -- July 31, seed with 50 lbs Kentucky 31 Tall Fescue per acre and 2 lbs/acre (0.5 lbs/1000 sq. ft.) of weeping lovegrass. During the period of October 16 -- February 28, protect site by:

Option 1 -- Two tons per acre of well anchored straw mulch and seed as soon as possible in the spring.

Option 2 -- Use sod. Option 3 -- Seed with 60 lbs/acre Kentucky 30 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 weeping lovegrass, small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal. per acre (5 gal/1000 sq. ft.) of emulsified asphalt on flat areas. On slope 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq. ft.) for anchoring.

**Maintenance:** Inspect all seeding areas and make needed repairs, replacements and reseeding.

**TEMPORARY SEEDING NOTES**

Apply to graded or cleared areas likely to be re-disturbed 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/acre 10-10-10 fertilizer (14 lbs/1000 sq. ft.).

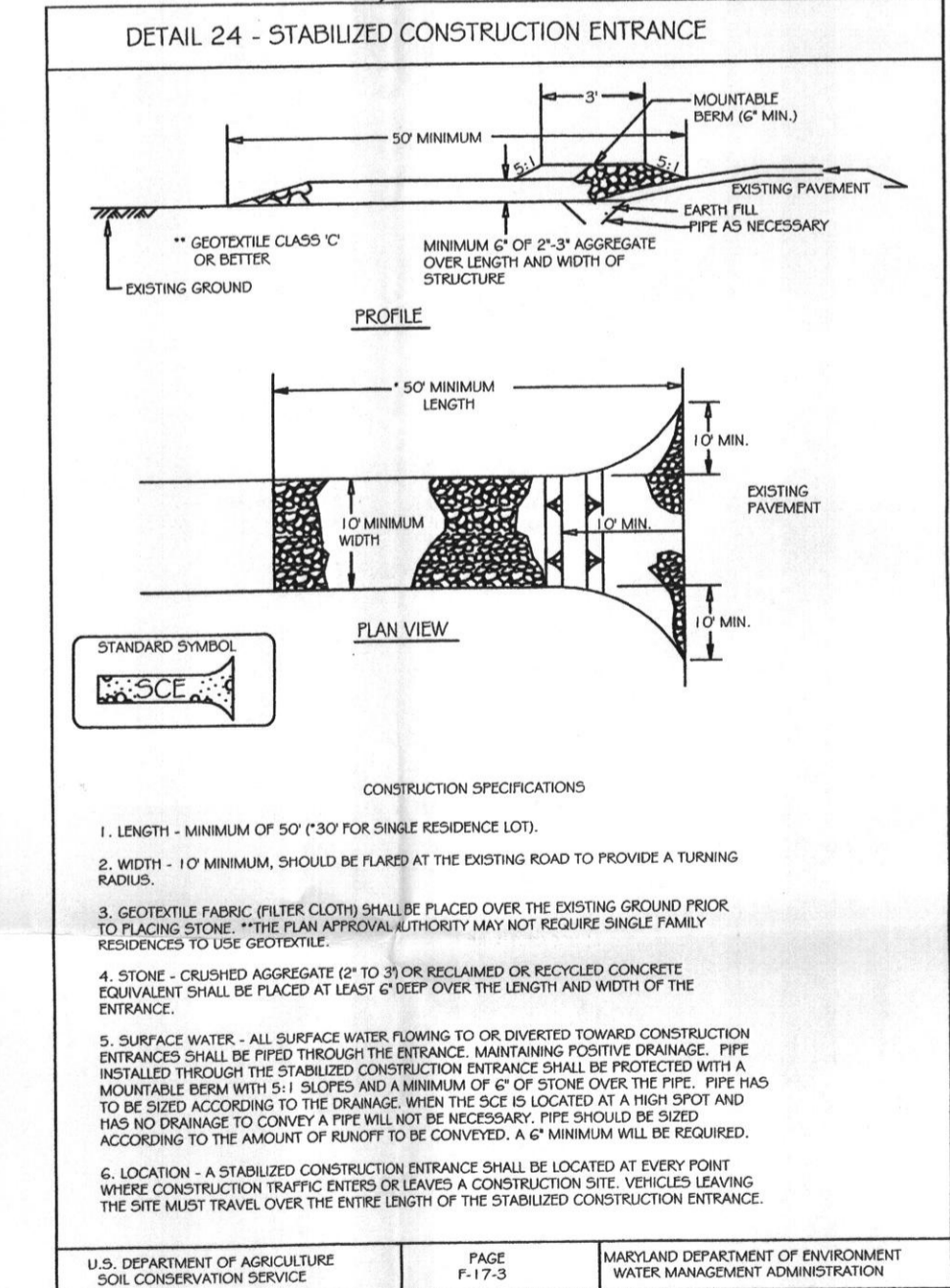
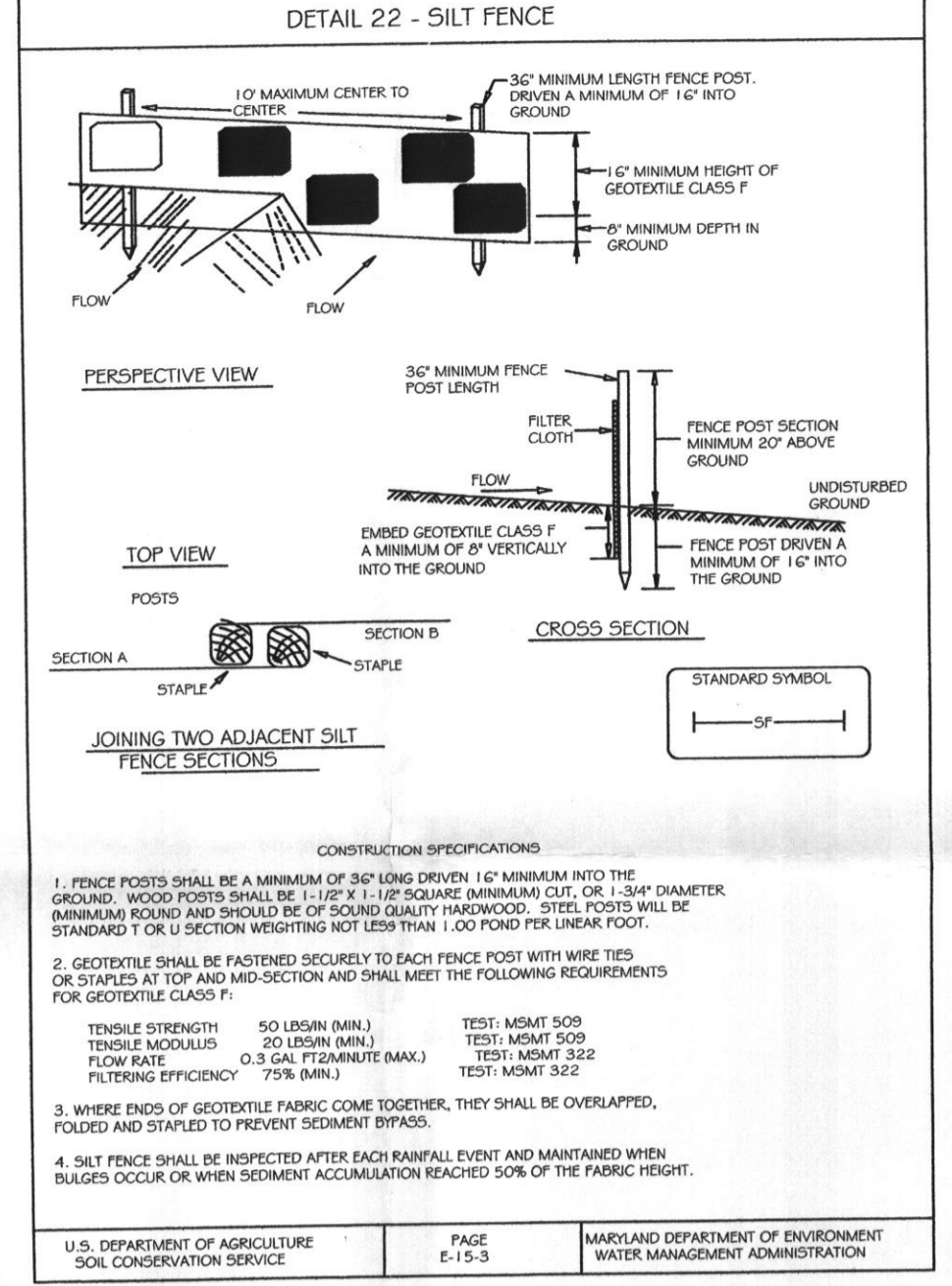
**Seeding:** -- For periods March 1 -- April 30 and from August 15 -- October 15, seed with 2-1/2 bushel per acre of annual rye (3.2 lbs/1000 sq. ft.). For the period May 1 -- August 14, seed with 3 lbs/acre of weeping lovegrass (0.7 lbs/1000 sq. ft.). For the period November 16 -- February 28, protect site by applying 2 tons/acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

**Mulching:** -- Apply 1-1/2 to 2 tons/acre (70 to 90 lbs/1000 sq. ft.) of unrotted weeping lovegrass, small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal. per acre (5 gal/1000 sq. ft.) of emulsified asphalt on flat areas. On slope 8 ft. or higher, use 348 gal. per acre (8 gal/1000 sq. ft.) for anchoring. Refer to the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for additional rates and methods not covered.

**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 (313-1855).
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 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.
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 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seeding (Sec. 51), sod (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding dates 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                  | 33255 SQ. FT. |
| Area Disturbed                      | 16210 SQ. FT. |
| Area to be roofed or paved          | 4461 SQ. FT.  |
| Area to be vegetatively stabilized  | 11749 SQ. FT. |
| Total Cut                           | 475 Cu. Yds.  |
| Total Fill                          | 475 Cu. Yds.  |
| Offsite waste/borrow area location: | NONE          |
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 work day, whichever is shorter.
12. The Total Amount Of Silt Fence = 351 LF  
The Total Amount Of Super Silt Fence = 0 LF



**DEVELOPER'S CERTIFICATE**

"I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

NAME AND TITLE \_\_\_\_\_ DATE \_\_\_\_\_

**CONSULTANT'S CERTIFICATE**

"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 COUNTY SOIL CONSERVATION DISTRICT.

G. SCOTT SHANABERGER PROFESSIONAL L.S. #10849

**SHANABERGER & ANE**

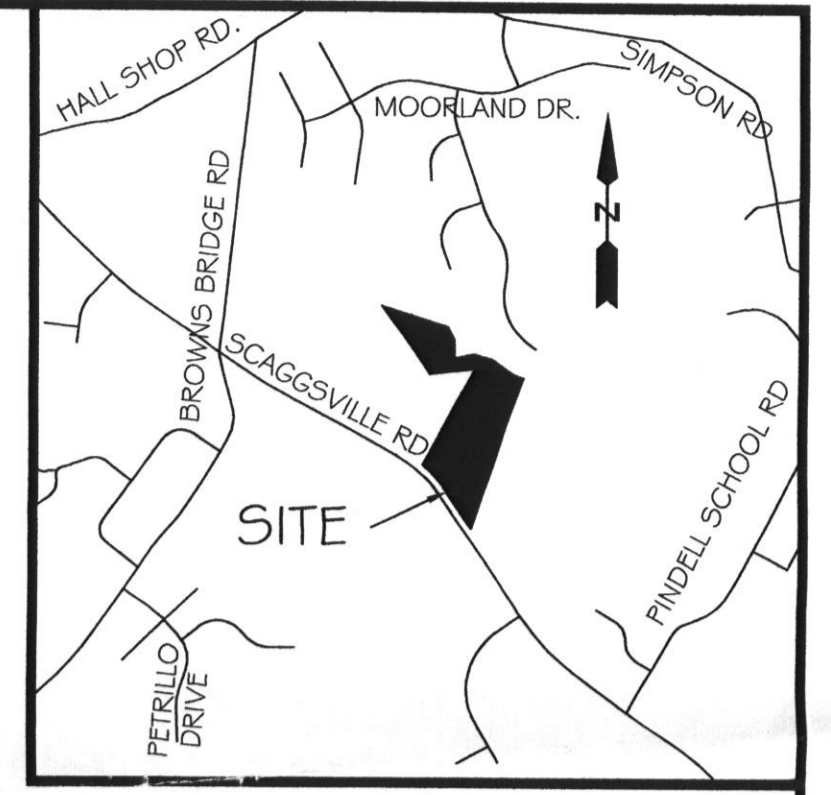
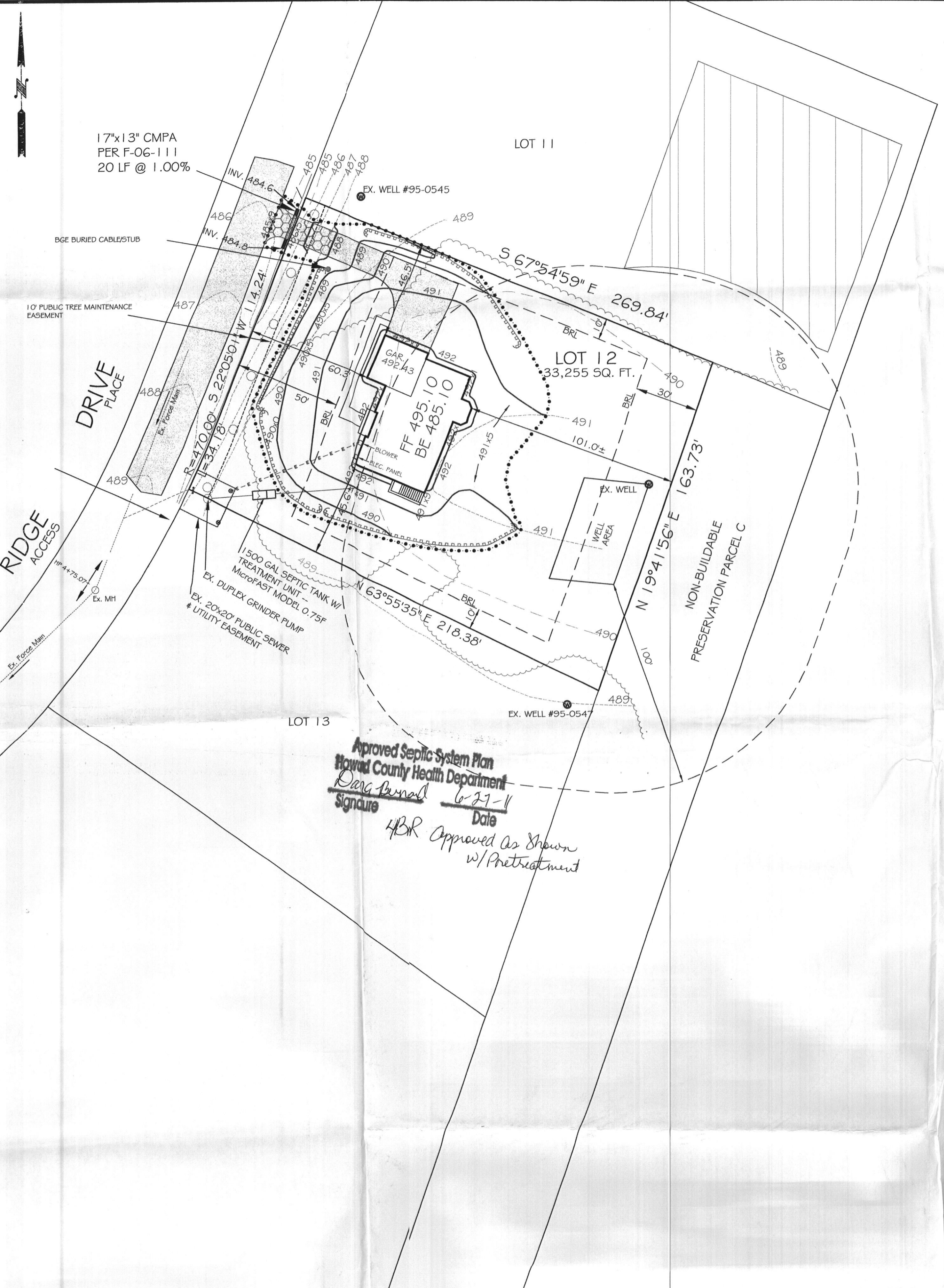
8726 TOWN & COUNTRY BLVD. SUITE 201  
ELICOTT CITY, MD. 21043  
PHONE: 410-461-9563  
FAX: 410-461-9693

**DEVELOPER**

RICHARD KNIGHT CONSTRUCTION  
6906 GREENLEIGH DR.  
COLUMBIA, MD 21046  
(410) 964-0055

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

Howard SCD DATE



**NOTES:**

1. TOPOGRAPHY SHOWN HEREON WAS FIELD-RUN BY SHANBERGER & ANE IN JUNE, 2011.
2. PRIVATE SEWAGE DISPOSAL AREA ON ADJOINING LOT.
3. THE EXISTING WELL SHOWN ON THIS PLAN WAS FIELD-LOCATED IN JUNE, 2011.
4. THERE ARE NO STEEP SLOPES OF 25% OR GREATER ON THIS LOT.
5. BEARINGS AND DISTANCES SHOWN HEREON ARE FROM PLAT #18906.
6. LEGEND
  - DESIGNATES TREES OR TREELINE
  - DESIGNATES LIMIT OF DISTURBANCE
  - DESIGNATES PROPOSED SILT FENCE
  - DESIGNATES EXISTING CONTOUR
  - DESIGNATES PROPOSED CONTOUR
  - DESIGNATES PROPOSED SPOT ELEVATION
  - DESIGNATES STABILIZED CONSTRUCTION ENTRANCE
7. THIS LOT USES A SHARED SEPTIC SYSTEM SHOWN ON CONTRACT 50-4293-D.

**SEQUENCE OF CONSTRUCTION**

1. OBTAIN GRADING PERMIT. (3 weeks)
2. INSTALL STABILIZED CONSTRUCTION ENTRANCE AND SILT FENCE (2 days)
3. EXCAVATE FOR FOUNDATION, ROUGH GRADE AND TEMPORARILY STABILIZE. (3 weeks)
4. CONSTRUCT HOUSE, UTILITY CONNECTIONS, SIDEWALK, AND DRIVEWAY. (20 weeks)
5. FINAL GRADE AND STABILIZE IN ACCORDANCE WITH STANDARDS & SPECIFICATIONS. (1 week)
6. UPON APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT AND EROSION CONTROL DEVICES AND STABILIZE. (1 week)

**SEPTIC SYSTEM DATA**

HOUSE (GRAVITY SERVICE TO FIRST FLOOR ONLY)

|                      |        |
|----------------------|--------|
| INV. AT HOUSE        | 487.6  |
| SEPTIC TANK          |        |
| EX. GRADE            | 489.3  |
| FIN. GRADE           | 489.3  |
| INV. IN              | 486.6  |
| INV. OUT             | 486.3  |
| INV. AT GRINDER PUMP | 485.0* |

\* = ELEVATION PER APPROVED PLANS FOR FULTON RIDGE SHARED SEPTIC SYSTEM

GRADING, SEDIMENT & EROSION CONTROL PLAN

LOT 12 FULTON RIDGE

SHEET 1 OF 1

PLAT #18906 ZONING: RR-DEO

TAX MAP 41 GRID 13 PARCEL 2

5TH ELECTION DIST. HOWARD COUNTY, MD.

SCALE: 1"=30' JUNE 14, 2011

REVISED