



# Building Permit Application

Howard County Maryland  
Department of Inspections, Licenses and Permits  
3430 Court House Drive  
Permits: 410-313-2455  
www.howardcountymd.gov

Date Received: 1-3-13

Permit No.: B13000091

Building Address: 6445 PRESTWICK DR  
 City: CLARKSVILLE State: MD Zip Code: 21029  
 Suite/Apt. # \_\_\_\_\_ SDP/WP/BA #: F-10-106  
 Census Tract: \_\_\_\_\_ Subdivision: Willow Pond  
 Section: \_\_\_\_\_ Area: \_\_\_\_\_ Lot: \_\_\_\_\_  
 Tax Map: 34 Parcel: 382 Grid: 17  
 Zoning: RC Map Coordinates: \_\_\_\_\_ Lot Size: 3AC

Existing Use: VACANT LOT  
 Proposed Use: NEW SF  
 Estimated Construction Cost: \$ 1,000,000  
 Description of Work: 4 BR, 6 FULL BATH, 1 HALF BATH, 5 CARGAR, 2 GAS FP, DECK & MER, OPTIONAL DECK, ELEVATOR  
 Occupant or Tenant: OWNER  
 Was tenant space previously occupied?  Yes  No  
 Contact Name: NA  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
 Email: \_\_\_\_\_

Property Owner's Name: GREENFIELD HOMES INC  
 Address: 6656 LUSTER DR  
 City: HIGHLAND State: MD Zip Code: 20777  
 Phone: 410-365-3702 Fax: \_\_\_\_\_  
 Email: RAMINOR @ COMCAST.NET

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

Contractor Company: GREENFIELD HOMES INC  
 Contact Person: PICK MINOR  
 Address: 6656 LUSTER DR  
 City: HIGHLAND State: MD Zip Code: 20777  
 License No.: HBC 361  
 Phone: 410-365-3702 Fax: \_\_\_\_\_  
 Email: RAMINOR @ COMCAST.NET

Engineer/Architect Company: MARK BANDY  
 Responsible Design Prof.: MARK BANDY I.C.  
 Address: 3312 JUMPING FIELD CT,  
 City: ELICOTT CITY State: MD Zip Code: 21043  
 Phone: 410-750-2262 Fax: \_\_\_\_\_  
 Email: MJBMODELS @ VERIZON.NET

Commercial Building Characteristics	Residential Building Characteristics
Height:	<input checked="" type="checkbox"/> SF Dwelling <input type="checkbox"/> SF Townhouse
No. of stories:	Depth Width
Gross area, sq. ft./floor:	1 <sup>st</sup> floor: <u>975</u> <u>126-242</u>
	2 <sup>nd</sup> floor: <u>975</u> <u>126-242</u>
Area of construction (sq. ft.):	Basement:
	<input checked="" type="checkbox"/> Finished Basement
Use group:	<input type="checkbox"/> Unfinished Basement
	<input type="checkbox"/> Craw Space
	<input type="checkbox"/> Slab on Grade
<b>Construction type:</b>	
<input type="checkbox"/> Reinforced Concrete	No. of Bedrooms: <u>4</u>
<input type="checkbox"/> Structural Steel	<u>Multi-family Dwelling</u>
<input type="checkbox"/> Masonry	No. of efficiency units:
<input type="checkbox"/> Wood Frame	No. of 1 BR units:
<input type="checkbox"/> State Certified Modular	No. of 2 BR units:
	No. of 3 BR units:
	Other Structure:
	Dimensions:
<input checked="" type="checkbox"/> Roadside Tree Project Permit	Footings:
<input type="checkbox"/> Yes <input type="checkbox"/> No	Roof:
Roadside Tree Project Permit #	<input type="checkbox"/> State Certified Modular
	<input type="checkbox"/> Manufactured Home

Utilities	
<b>Water Supply</b>	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
<b>Sewage Disposal</b>	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
Electric: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Gas: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b>Heating System</b>	
<input type="checkbox"/> Electric <input type="checkbox"/> Oil	
<input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas	
<input type="checkbox"/> Other: <u>GEOTHERMAL</u>	
<b>Sprinkler System:</b>	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Grading Permit Number: <u>13-33</u>	
Building Shell Permit Number:	

I, 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 UNTIL 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: Pick Minor  
 Print Name: PICK MINOR  
 Email Address: RAMINOR @ COMCAST.NET  
 Title/Company: PROG MGR / GREENFIELD HOMES INC  
 Date: 1-3-13

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>1/21/13</u>	<u>[Signature]</u>

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

DPZ SETBACK INFORMATION	
Front:	
Rear:	
Side:	
Side St.:	
All minimum setbacks met?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is Entrance Permit Required?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Historic District?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Lot Coverage for New Town Zone:	
SDP/Red-line approval date:	

Filing Fee	\$ <u>100</u>
Permit Fee	\$
Tech Fee	\$
Excise Tax	\$
PSFS	\$
Guaranty Fund	\$ <u>50</u>
Add'l per Fee	\$
Total Fees	\$
Sub-Total Paid	\$
Balance Due	\$
Check #	<u>6751</u>



Bureau of Environmental Health  
7178 Columbia Gateway Drive, Columbia, MD 21046-2147  
Main: 410-313-2640 | Fax: 410-313-2648  
TDD 410-313-2323 | Toll Free 1-866-313-6300  
[www.hchealth.org](http://www.hchealth.org)  
Facebook: [www.facebook.com/hocohealth](http://www.facebook.com/hocohealth)  
Twitter: HowardCoHealthDep

Maura J. Rossman, M.D. Health Officer

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**MEMORANDUM**

TO: Rick Minor, Applicant  
Greenfield Homes Inc.

FROM: Heidi Scott  
Well and Septic Program  
Development Coordination Section

RE: Plot Plan – Building Permit #B13000091  
**6495 Prestwick Drive**  
**Willow Pond, Lot 6**

DATE: January 23<sup>rd</sup>, 2013

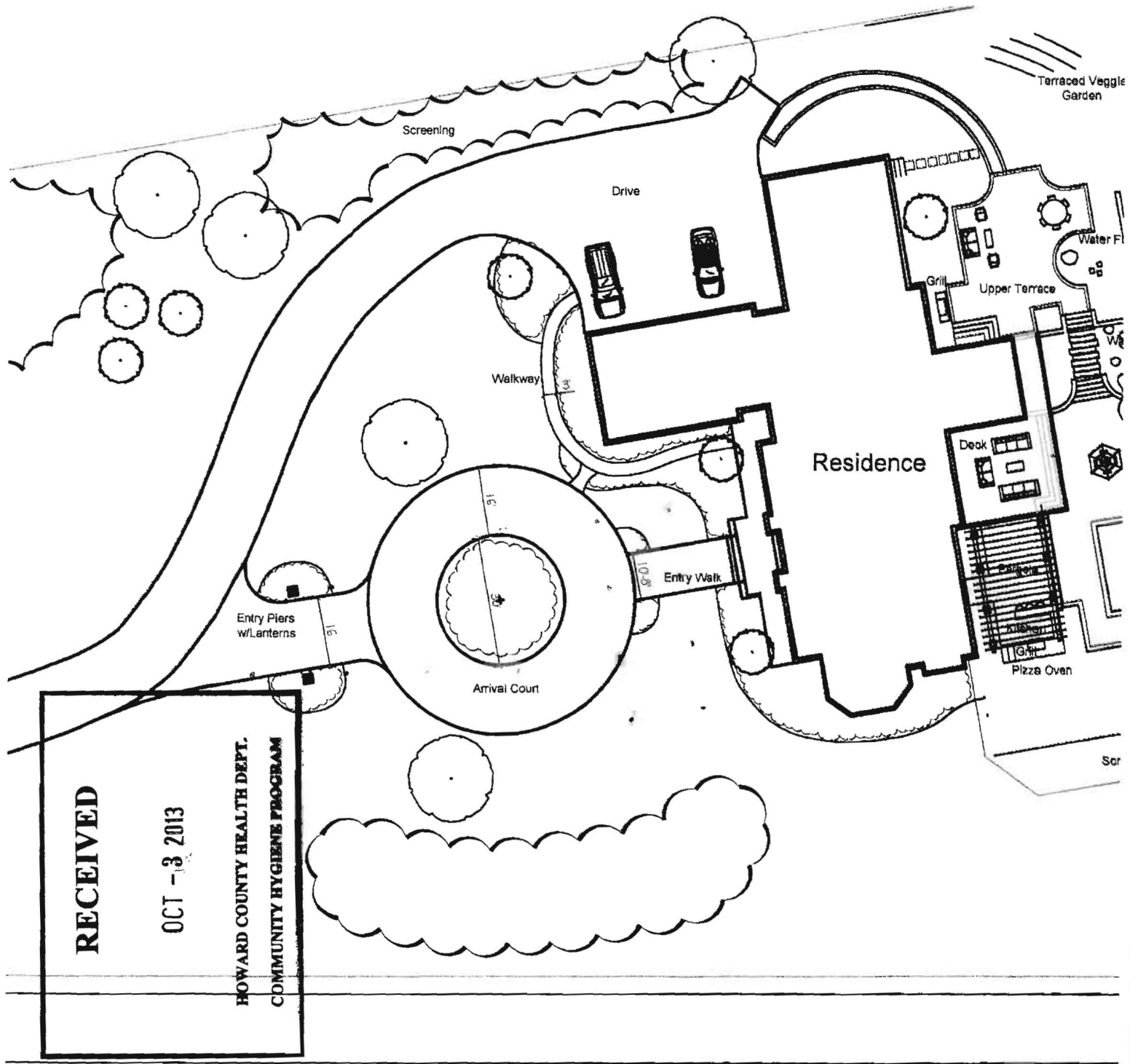
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The following items must be addressed. Please revise and resubmit directly to the Health Dept. prior to building permit approval.

- The alternate well sites must be shown.
- At least 1 of the alternate well site locations is less than 100' from the proposed septic tank location.

Cc:  
File





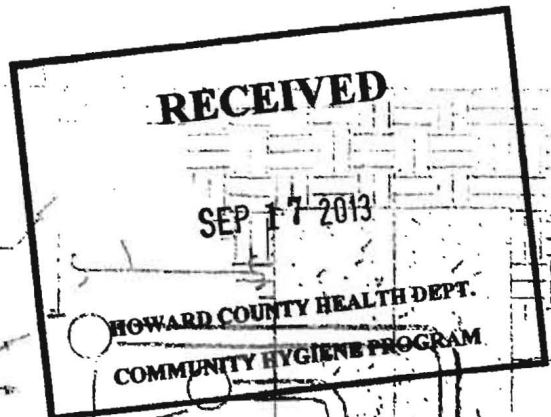
**Green Residence**

DRAWING TITLE	Driveway Revision
SCALE	1" = 30'
DATE	September 23, 2013

**RECEIVED**  
**OCT -3 2013**  
**HOWARD COUNTY HEALTH DEPT.**  
**COMMUNITY HYGIENE PROGRAM**

GRADE

EACH BORE HOLE (TYP.)



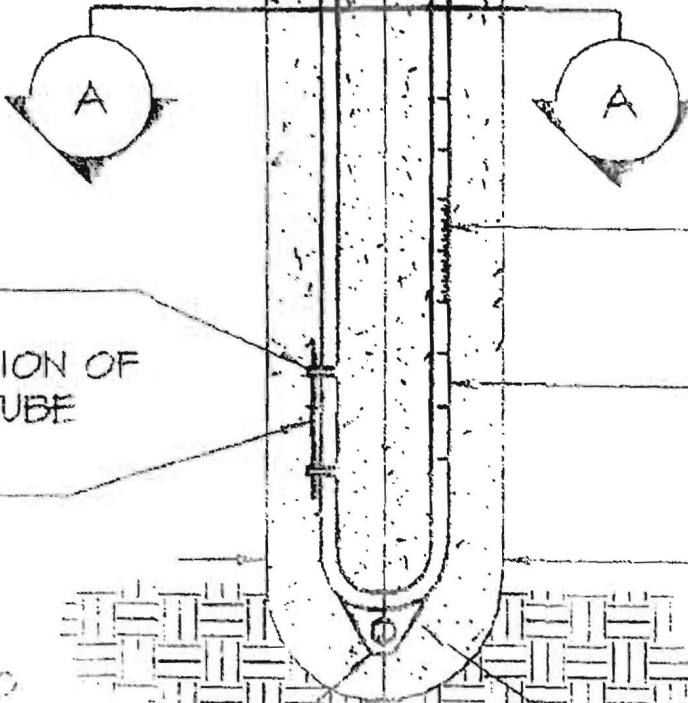
HORIZONTAL BURY  
DEPTH 4 FT

FOR CONT.  
SEE PLANS

GROUT ENTIRE ANNULAR  
SPACE AND VERTICAL  
U-TUBE WITH (BENTANITE)  
GROUT.

HORIZONTAL  
PIPING

BORE Depth



TAPE

5 TO 10 FOOT SECTION OF  
REBAR TO GUIDE TUBE  
INTO BORE DURING  
INSTALLATION

DEPTH MARKINGS IN FEET TO  
INDICATE DEPTH OF INSERTION

TYPICAL VERTICAL U TUBE  
1.5 INCHES

TYPICAL BORE DIAMETER  
6.0 INCHES

ANCHOR FITTING TO  
PREVENT U-TUBE FROM  
SURFACING AFTER  
INSTALLATION

TYPICAL SOCKET U-BOLTS

**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, discing or other acceptable means before seeding, if not previously loosened.

**SOIL AMENDMENTS:** In lieu of soil test recommendations, use the following schedule: Apply 2 tons per acre dolomitic limestone (42 lbs/1000 s.f.) and 400 lbs. / acre (20.7 lbs./1000s.f.) of 10-20-20 before seeding. Harrow or disc into upper 3 in. of soil.

**SEEDING:** Apply a mixture of Turf Type Tall Fescue (80%) and Hard Fescue (20%) in accordance with seeding dates and rates shown in the Permanent Seeding Summary shown on this sheet. For stabilization outside of the seeding area, apply straw mulch at rates and methods specified below and apply permanent seeding when within proper seeding dates.

**MULCHING:** Immediately following seeding, apply a uniform 1-2 in. Deep layer of unweeded small grain straw at a rate of 2 tons/acre. (Apply 2.5 tons/acre if a mulch anchoring tool is used.) Straw may be anchored with wood cellulose fiber at a rate of 750 lbs. / acre mixed at a ratio of 50 lbs. of wood fiber/100 gal. of water. Synthetic liquid binders such as Terra Tax II, Acrylic DLR (Ago-Tack), DCA-70, Petrolsol, and other approved equals may be used at rates recommended by the manufacturers.

Permanent Seeding Summary			
Seed Mixture (Hardness Zone 3a, 3b, 3c)	Fertilizer Rate (10-20-20)	Lime Rate	
No. Species	Application Rate (lb/acre)	Seeding Dates	Seeding Depths
10 Tall Fescue (80%) Hard Fescue (20%)	120 30	3/1-6/15 8/15-11/15	0.5 in.
			1/4 in. (15-10-10)

**TEMPORARY SEEDING NOTES**

**SEEDBED PREPARATION:** Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

**SOIL AMENDMENTS:** In lieu of soil test recommendations, use the following schedule: Apply 2 tons per acre dolomitic limestone (42 lbs/1000 s.f.) and 600 lbs. / acre (30 lbs./1000s.f.) of 10-10-10 before seeding. Harrow or disc into upper 3 in. of soil.

**SEEDING:** Apply the Maryland State Highway approved seed mixture of Barley or Rye plus Fertilizer in accordance with seeding dates and rates shown in the Temporary Seeding Summary shown on this sheet. For stabilization outside of the seeding area, apply straw mulch at rates and methods specified below and apply temporary seeding when within proper seeding dates.

**MULCHING:** Immediately following seeding, apply a uniform 1-2 in. Deep layer of unweeded small grain straw at a rate of 2 tons/acre. (Apply 2.5 tons/acre if a mulch anchoring tool is used.) Straw may be anchored with wood cellulose fiber at a rate of 750 lbs. / acre mixed at a ratio of 50 lbs. of wood fiber/100 gal. of water. Synthetic liquid binders such as Terra Tax II, Acrylic DLR (Ago-Tack), DCA-70, Petrolsol, and other approved equals may be used at rates recommended by the manufacturers.

Temporary Seeding Summary			
Seed Mixture (Hardness Zone 3a, 3b, 3c)	Fertilizer Rate (10-10-10)	Lime Rate	
No. Species	Application Rate (lb/acre)	Seeding Dates	Seeding Depths
2 Barley or Rye plus Fertilizer (60)	600 150	2/1-11/30 (7)	1/4 in. 1/2 in.

**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 (410-313-1855).
- All vegetation and structural practices 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 shown must 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, seed, 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	3.071 Acres
Area Disturbed	1.247 Acres
Area to be roofed or paved	0.566 Acres
Area to be vegetatively stabilized	1.258 Acres
Total Cut	+ 500 CY
Total Fill	+ 500 CY
- Off-site waste/borrow area location.
- 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.
- Earthquake qualities are solely for the purpose of calculating fees. Contractor to verify all quantities prior to the start of construction.
- To be determined by approval of the Sediment Control Inspector with an approved and active grading permit.

**DEVELOPER'S CERTIFICATE**

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR SEDIMENT AND EROSION CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT 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.

SIGNATURE OF DEVELOPER \_\_\_\_\_ DATE \_\_\_\_\_

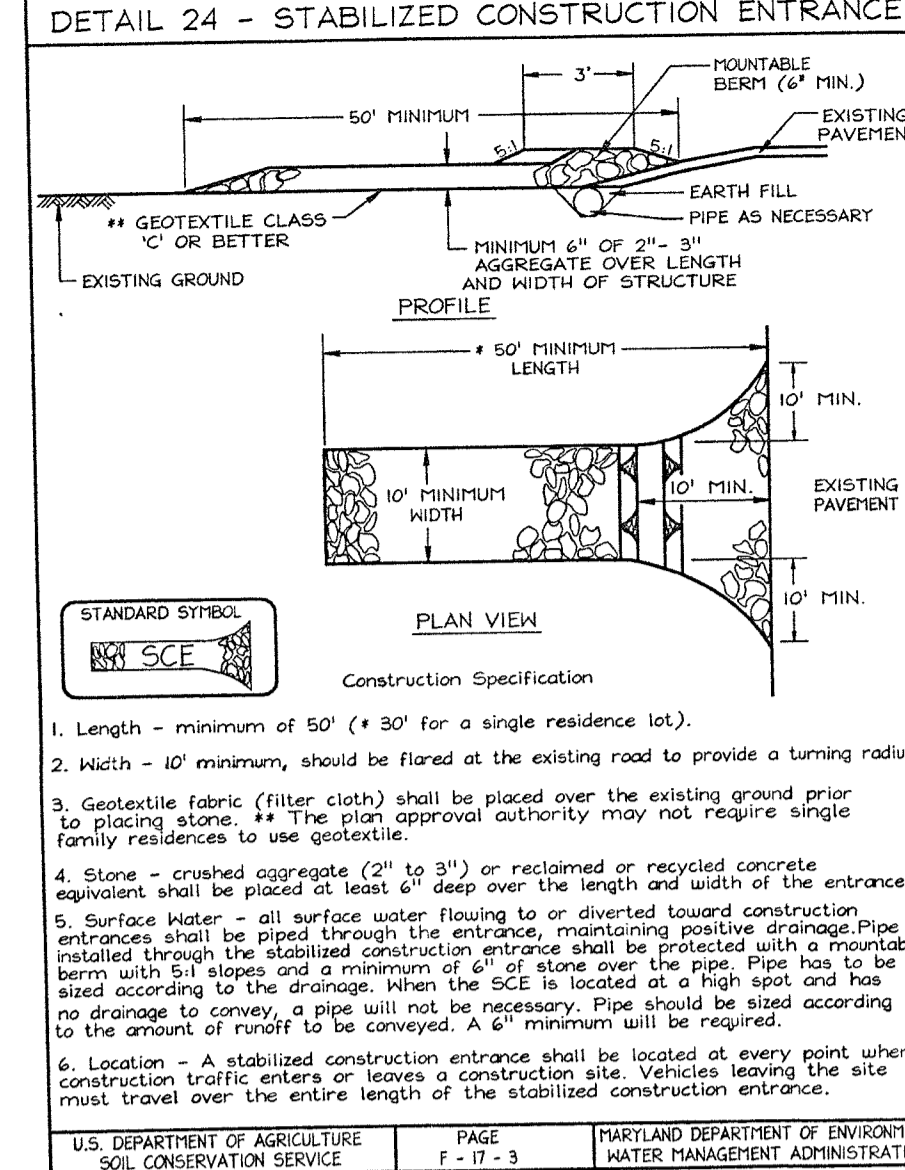
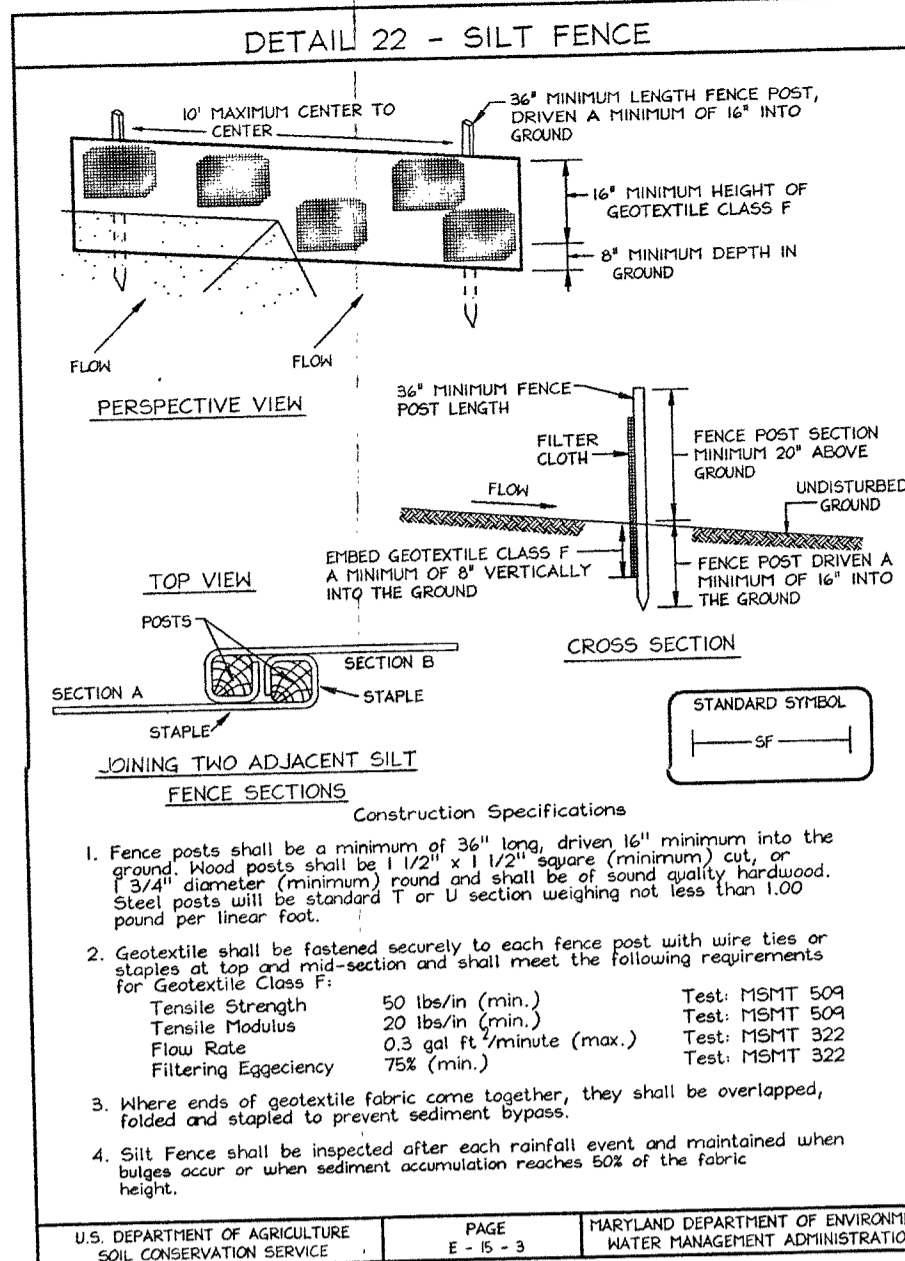
**ENGINEER'S CERTIFICATE**

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

SIGNATURE OF ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

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

HOWARD SCD \_\_\_\_\_ DATE \_\_\_\_\_



**DUST CONTROL**

**DEFINITION:** Dust control dust blowing and movement on construction sites and roads.

**PURPOSE:** To prevent blowing and movement of dust from exposed soil surfaces, reduce on and off-site damage, health hazards, and improve traffic safety.

**CONDITIONS WHERE PRACTICE APPLIES:** This practice is applicable to areas subject to dust blowing and movement where on and off-site damage is likely without treatment.

- TEMPORARY METHODS:**
- Mulches - See standards for vegetative stabilization with mulches only. Mulch should be crimped or tacked to prevent blowing.
  - Vegetative Cover - See standards for temporary vegetative cover.
  - Tillage - To roughen surface and bring clods to the surface. This is an emergency measure which should be used before soil blowing starts. Begin spring-tillage harrow, and similar plows are examples of equipment which may produce the desired effect.
  - Irrigation - This is generally done as an emergency treatment. Site is sprinkled with water until the surface is moist. Repeat as needed. At no time should the site be irrigated to the point that runoff begins to flow.
  - Barriers - Solid board fences, silt fences, snow fences, straw bales, and similar material can be used to control air currents and soil blowing. Barriers placed at right angles to prevailing currents at intervals of about 10 times their height are effective in controlling soil blowing.
  - Calcium Chloride - Apply at rates that will keep surface moist. May need retreatment.
- PERMANENT METHODS:**
- Permanent Vegetation - See standards for permanent vegetative cover, and permanent stabilization with soil. Existing trees or large shrubs may afford valuable protection 1' left in place.
  - Topping - Covering with less erosive soil materials. See standards for topsoiling.
  - Stones - Cover surface with crushed stone or coarse gravel.

- REFERENCES:**
- Agriculture Handbook 346. Wind Erosion Forces in the United States and Their Use in Predicting Soil Loss.
  - Agriculture Information Bulletin 354. How to Control Wind Erosion, USDA-ARS-7, H-30-1.

U.S. DEPARTMENT OF AGRICULTURE	PAGE	MARYLAND DEPARTMENT OF ENVIRONMENT
SOIL CONSERVATION SERVICE	F - 17-3	WATER MANAGEMENT ADMINISTRATION

**GEODETIC CONTROL STATIONS**

Coordinates shown hereon are based on NAD '83, Maryland Coordinate System as projected by Howard County, Geodetic Control Stations no. 341A and 341B. Denotes approximate location (see vicinity map).

Sta. 341A N 553,271.914 E 1,325,038.75 Elev. 471.86 (NAVD 88)  
Sta. 341B N 553,473.544 E 1,327,078.76

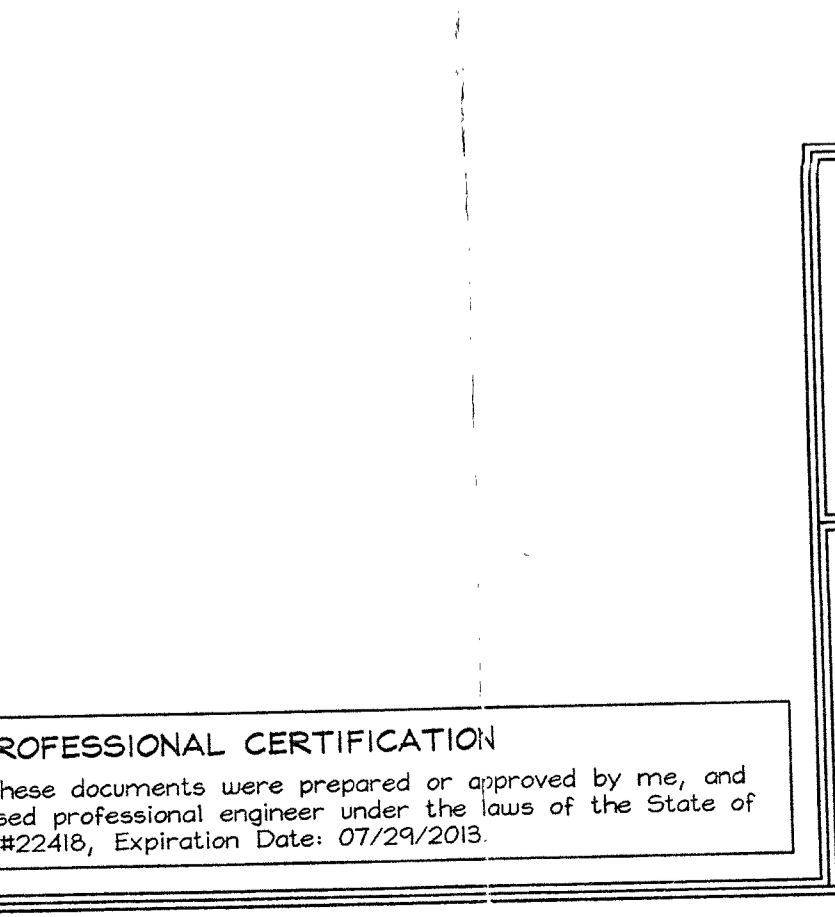
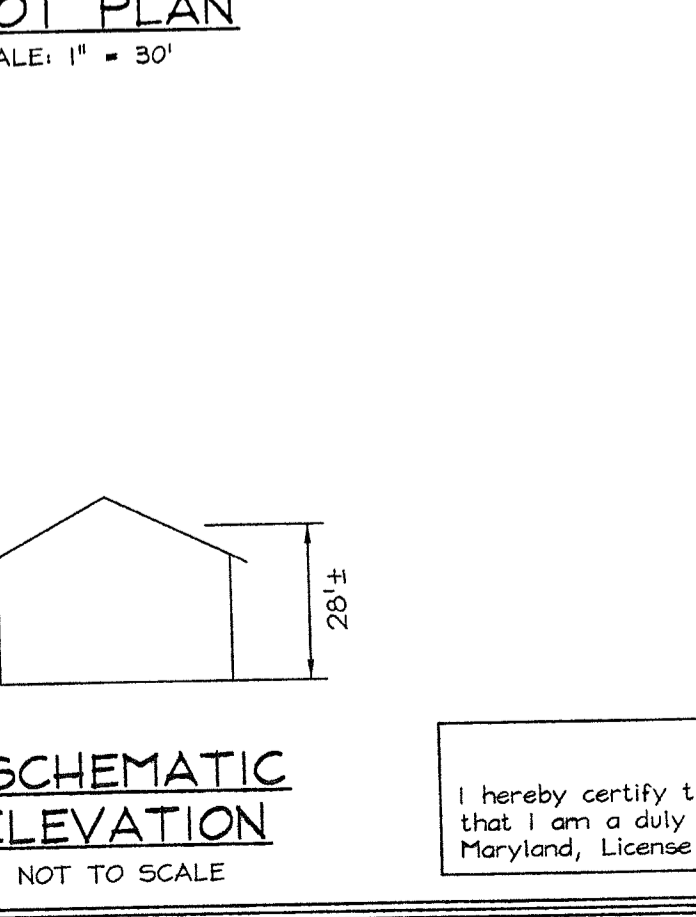
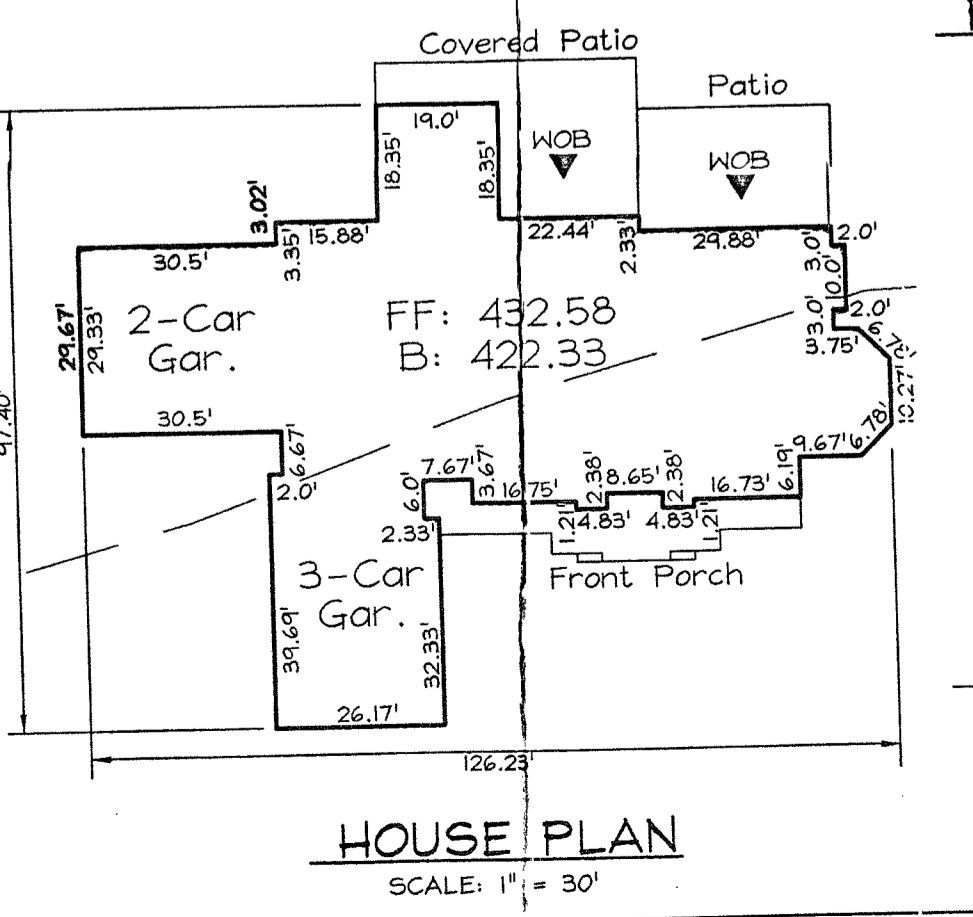
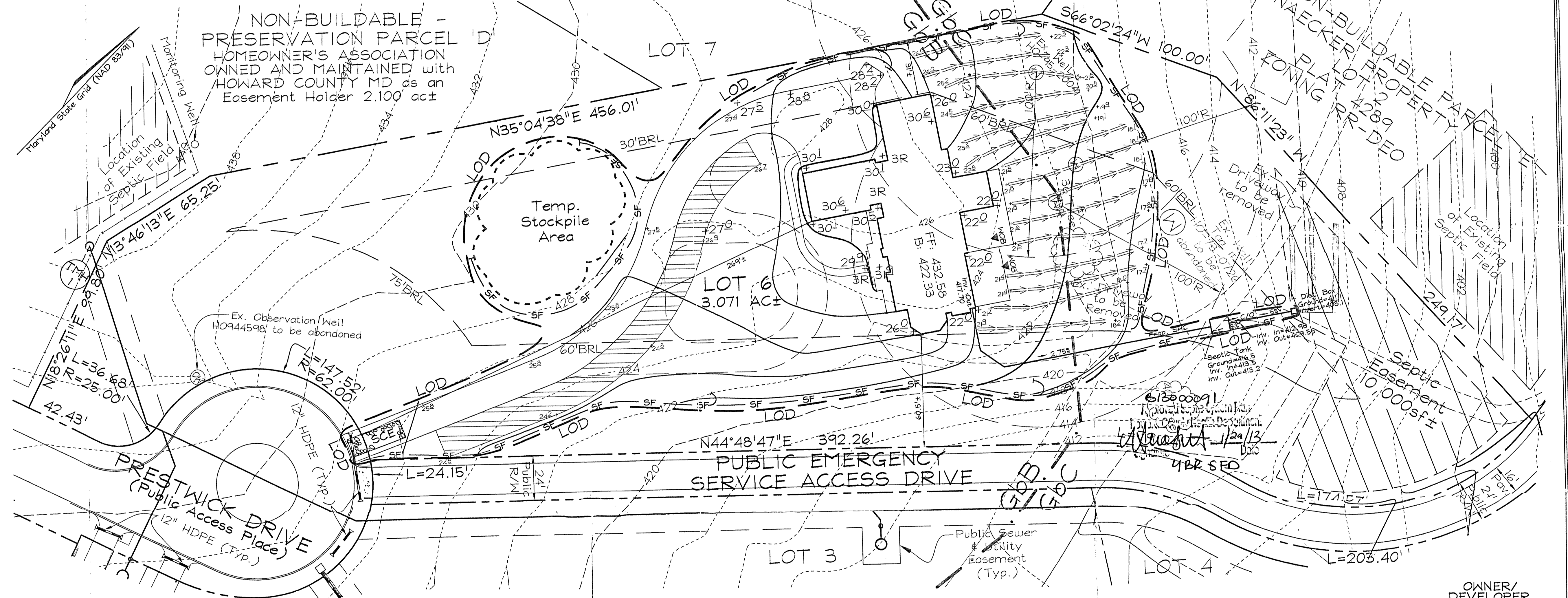
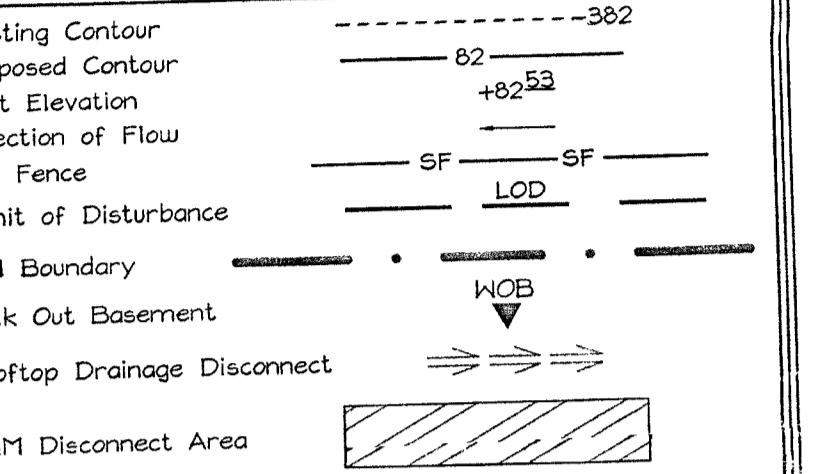
**GENERAL NOTES**

- This property is zoned "RR-DEO" per the 02/02/04 Comprehensive Zoning Plan and the Comp Lite Zoning Regulations Amendments effective 07/28/06.
- Total area of property = 3.071 Ac.
- Private well water and private septic will serve this lot.
- Topography based on a Field Run Topographic Survey prepared by FSH Associates October 2006.
- Storm Water Management for CPV, Rev and HQV is provided by rooftop and non-roof-top disconnects. Approved under P-10-106.
- The existing well shown on this plan (identified with the attached well tag number: H2-05-2004) has been field located by FSH Associates, Inc on October 26, 2010 and is accurately shown.

**SEQUENCE OF CONSTRUCTION**

- Obtain grading permit.
- Notify Howard County Department of Inspections, License and Permits at (410) 313-1860 at least 48 hours before starting any work.
- Install Stabilized Construction Entrance, and Silt Fence.
- After receiving permission from the sediment control inspector, rough grade site and begin building construction.
- Construct driveway and finish building construction.
- Fine grade and permanently stabilize site.
- 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.

**LEGEND**



**SOILS LEGEND**

SYMBOL	NAME / DESCRIPTION	SOIL GROUP
GbB	Gladstone loam, 3 to 8 percent slopes	B
GbC	Gladstone loam, 8 to 15 percent slopes	B
GbB	Gladstone loam, 3 to 8 percent slopes	B
GbC	Gladstone loam, 8 to 15 percent slopes	B

**PLOT PLAN WILLOW POND LOT 6**  
Plat #21630

TAX MAP 34 GRID 17  
5TH ELECTION DISTRICT

PARCEL 382  
HOWARD COUNTY, MARYLAND

DESIGN BY: CRH2  
DRAWN BY: CRH2  
CHECKED BY: ZYF  
SCALE: 1" = 30'  
DATE: Jan. 25, 2013  
SHEET No.: 3199  
W.O. No.: 1 OF 1

**FSH Associates**  
Engineers Planners Surveyors  
6339 Howard Lane, Elkridge, MD 21075  
Tel: 410-587-5200 Fax: 410-796-1582  
E-mail: info@fshri.com

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

**PROFESSIONAL CERTIFICATION**

I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. #22418, Expiration Date: 07/24/2013.



**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, discing or other acceptable means before seeding. If not previously loosened, use the following schedule: Apply 2 tons per acre dolomitic limestone (92 lbs/1000 s.f.) and 900 lbs. / acre (20.7 lbs./1000s.f.) of 10-20-20 before seeding. Harrow or disc into upper 3" of soil.

**SEEDING:** Apply a mixture of Turf Type Tall Fescue (90%) and Hard Fescue (10%) in accordance with seeding rates and rates shown in the Permanent Seeding Summary shown on this sheet. For stabilization outside of the seeding dates, apply straw mulch at rates and methods specified below and apply permanent seeding immediately following seeding, apply a uniform 1-2 in. Deep layer of un-rotted small grain straw at a rate of 2 tons/acre. (Apply 2.5 Tons/acre if a mulch anchoring tool is used.) Straw may be anchored with wood cellulose fiber at a rate of 750 lbs. / acre mixed at a ratio of 50 lbs. of wood fiber/100 gal. of water. Synthetic liquid binders such as Terra Tex II, Acrylic DLR (Agro-Tack), DCA-70, Petroset and other approved equals may be used at rates recommended by the manufacturers.

Seed Mixture (Hardness Zone 2a and 2b)	Fertilizer Rate (10-10-10)	Lime Rate
1. Tall Fescue (90%) Hard Fescue (10%)	600 lb/acre (100lb/1000sqft)	2 tons/acre (100lb/1000sqft)

**TEMPORARY SEEDING NOTES**

**SEEDBED PREPARATION:** Loosen upper three inches of soil by raking, discing or other acceptable means before seeding. If not previously loosened, use the following schedule: Apply 2 tons per acre dolomitic limestone (92 lbs/1000 s.f.) and 600 lbs. / acre (15 lbs./1000s.f.) of 10-10-10 before seeding. Harrow or disc into upper 3" of soil.

**SEEDING:** Apply the Maryland State Highway approved seed mixture of Barley or Rye plus Foxtail Millet in accordance with seeding rates and rates shown in the Temporary Seeding Summary shown on this sheet. For stabilization outside of the seeding dates, apply straw mulch at rates and methods specified below.

**MULCHING:** Immediately following seeding, apply a uniform 1-2 in. Deep layer of un-rotted small grain straw at a rate of 2 tons/acre. (Apply 2.5 Tons/acre if a mulch anchoring tool is used.) Straw may be anchored with wood cellulose fiber at a rate of 750 lbs. / acre mixed at a ratio of 50 lbs. of wood fiber/100 gal. of water. Synthetic liquid binders such as Terra Tex II, Acrylic DLR (Agro-Tack), DCA-70, Petroset and other approved equals may be used at rates recommended by the manufacturers.

SEE HANDBOOK 346, HIND EROSION FORCES IN THE UNITED STATES AND THEIR USE IN PREDICTING SOIL LOSS

Seed Mixture (Hardness Zone 6a and 7a)	Fertilizer Rate (10-10-10)	Lime Rate
2. Barley or Rye plus Foxtail Millet	600 lb/acre (100lb/1000sqft)	2 tons/acre (100lb/1000sqft)

**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 (400-315-1855).
- All vegetation and structural practices are to be installed according to the provisions of this plan and one to be in conformance with the latest 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, 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, soil, temporary seeding, and mulching (Sec. G). Temporary stabilization with mulch shall be done where 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: 3.071 Acres
  - Area Disturbed: 1.247 Acres
  - Area to be roofed or paved: 0.260 Acres
  - Area to be vegetatively stabilized: 0.995 Acres
  - Total Cut: 500 C.Y.S.
  - Total Fill: 500 C.Y.S.
  - Offsite waste/borrow area location: \_\_\_\_\_

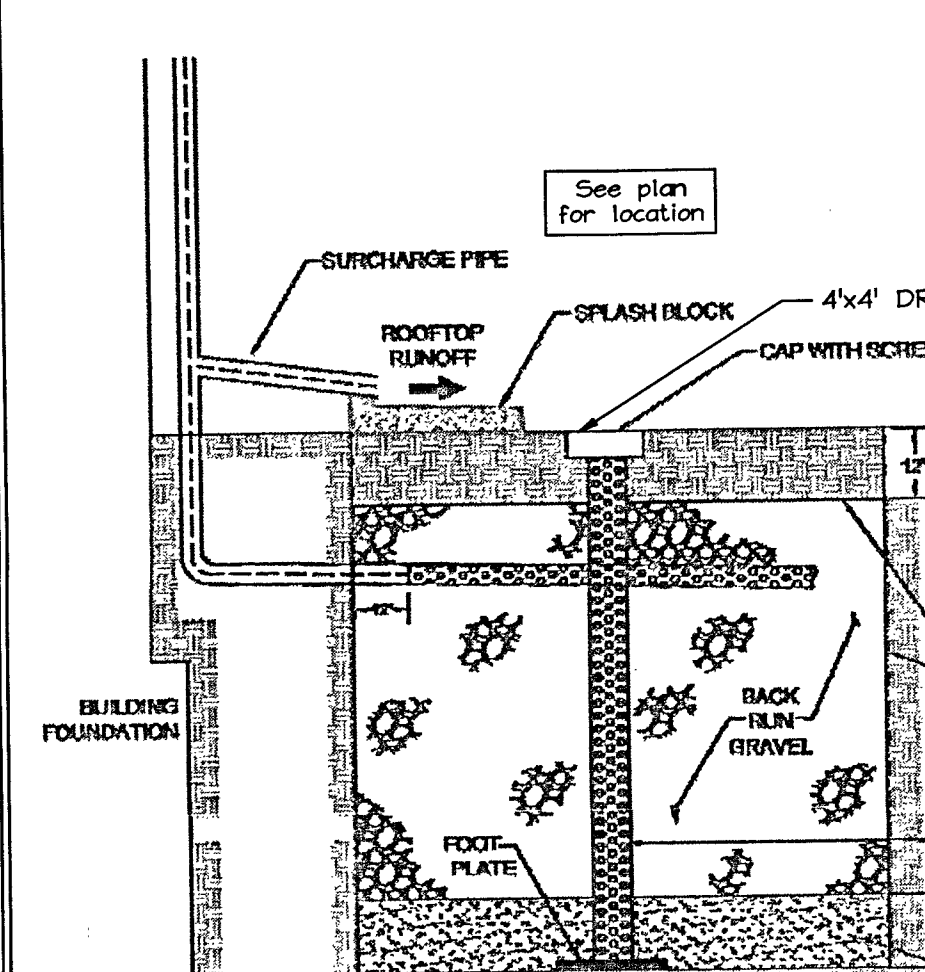
Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance. Additional sediment controls must be provided, if deemed necessary by the Howard County Sediment Control Inspector.

On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of the perimeter erosion and sediment controls, but before proceeding with any other earth disturbances or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.

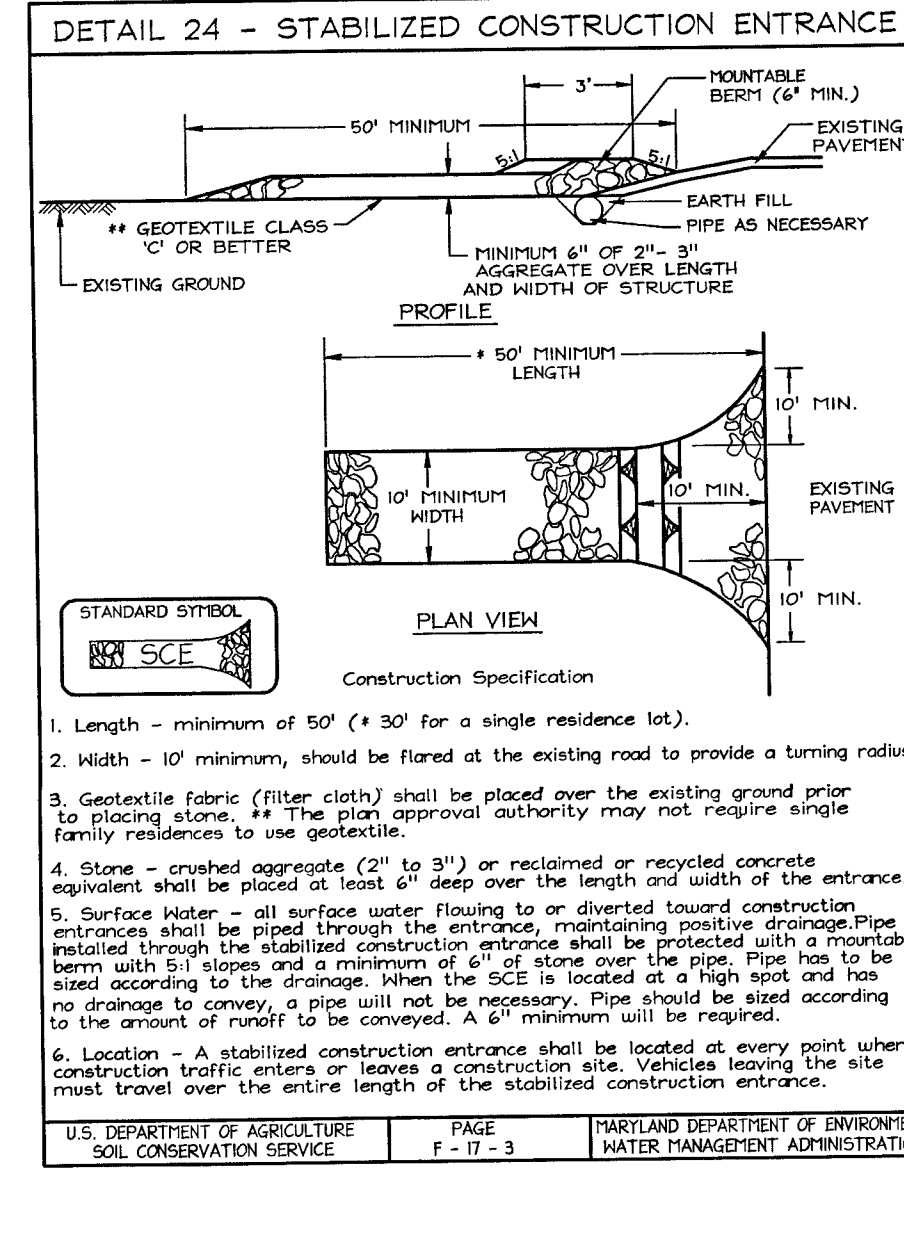
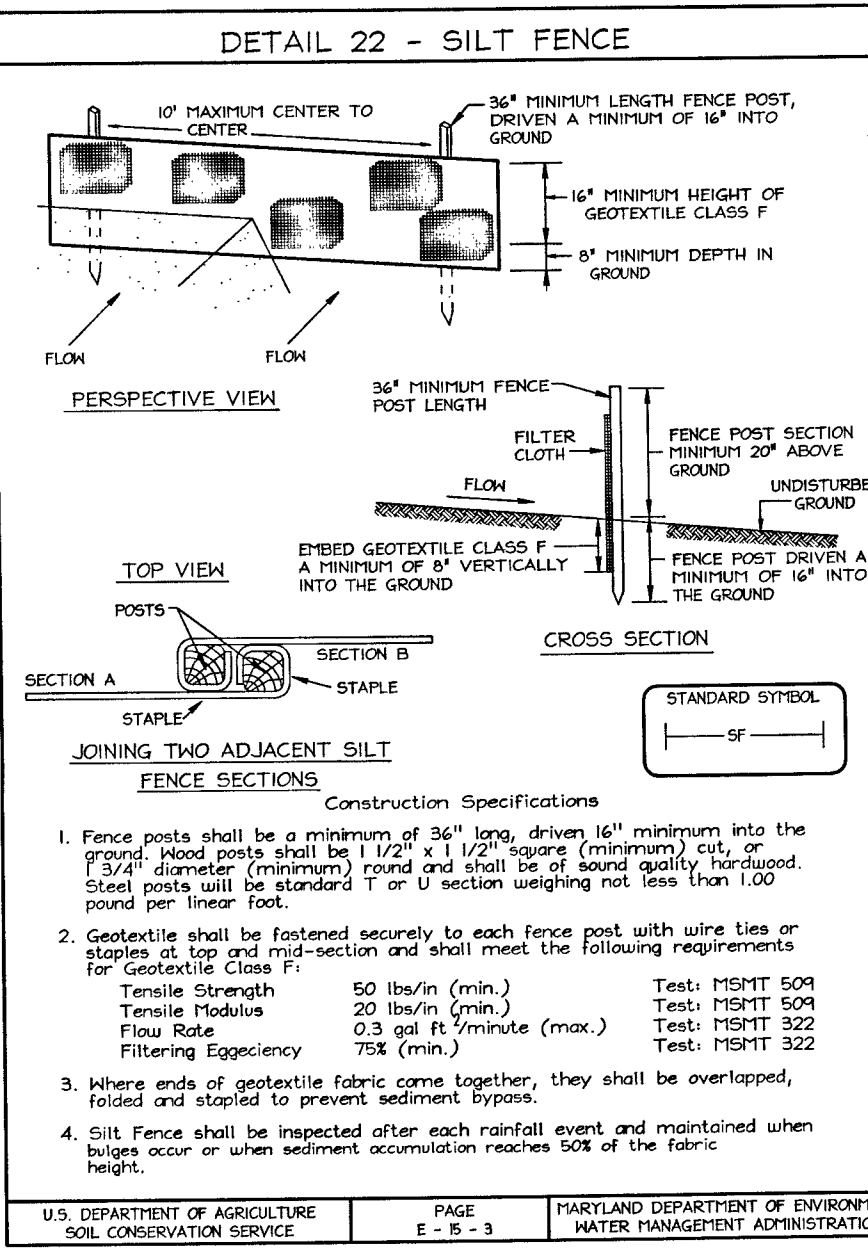
Trenches for the construction of utilities is limited to three pipe lengths or that which shall be back-filled and stabilized within one working day, whichever is shorter.

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.



SYMBOL	NAME / DESCRIPTION	SOIL GROUP
GbB	Gladstone loam, 3 to 8 percent slopes	B
GbC	Gladstone loam, 8 to 15 percent slopes	B
GbB	Gladstone loam, 3 to 8 percent slopes	B
GbC	Gladstone loam, 8 to 15 percent slopes	B



**DUST CONTROL**

**DEFINITION:** Controlling dust blowing and movement on construction sites and roads.

**PURPOSE:** To prevent blowing and movement of dust from exposed soil surfaces, reduce on and off-site damage, health hazards, and improve traffic safety.

**CONDITIONS WHERE PRACTICE APPLIES:** This practice is applicable to areas subject to dust blowing and movement where on and off-site damage is likely without treatment.

- TEMPORARY METHODS:**
- Mulches - See standards for vegetative stabilization with mulches only. Mulch should be crimped or tacked to prevent blowing.
  - Vegetative Cover - See standards for temporary vegetative cover.
  - Tillage - To roughen surface and bring clods to the surface. This is an emergency measure which should be used before soil blowing starts. Begin plowing on windward side of site. Chisel-type plows spaced about 12" apart, spring-toothed harrows, and similar plows are examples of equipment which may produce the desired effect.
  - Irrigation - This is generally done as an emergency treatment. Site is sprinkled with water until the surface is moist. Repeat as needed. At no time should the site be irrigated to the point that runoff begins to flow.
  - Barriers - Solid board fences, silt fences, snow fences, barbed wire fences, straw bales, and similar material can be used to control air currents and soil blowing. Barriers placed at right angles to prevailing currents at intervals of about 10 times their height are effective in controlling soil blowing.
  - Calcium Chloride - Apply at rates that will keep surface moist. May need retreatment.

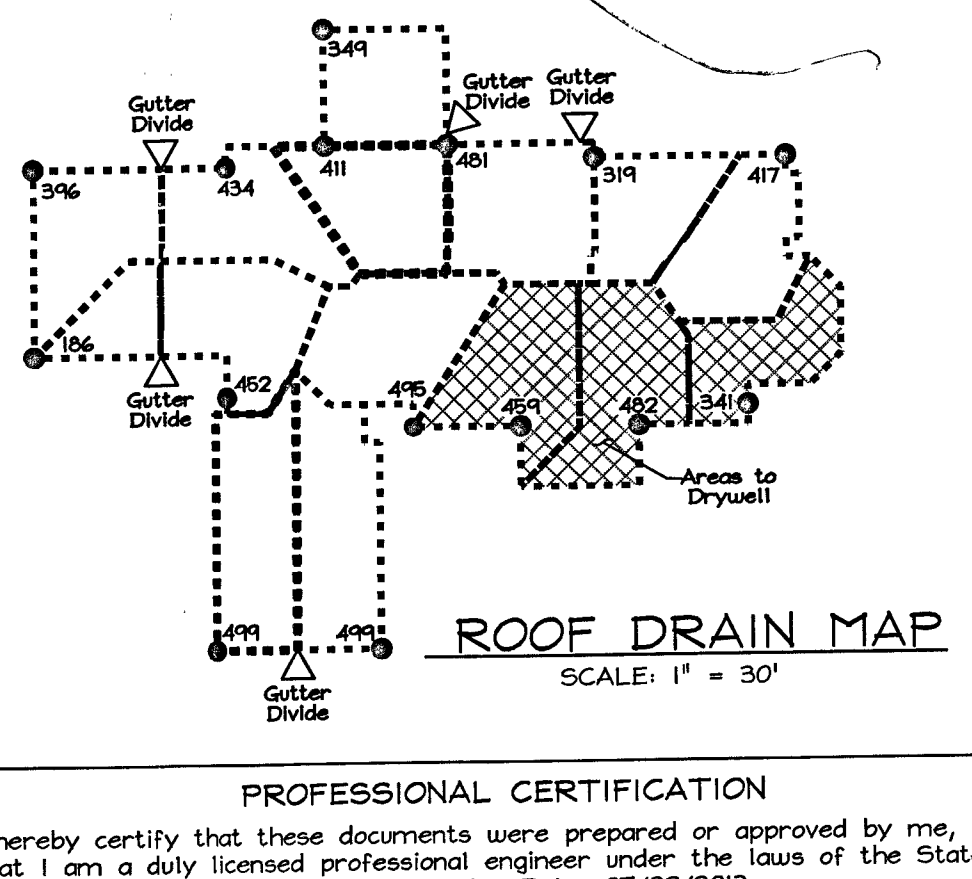
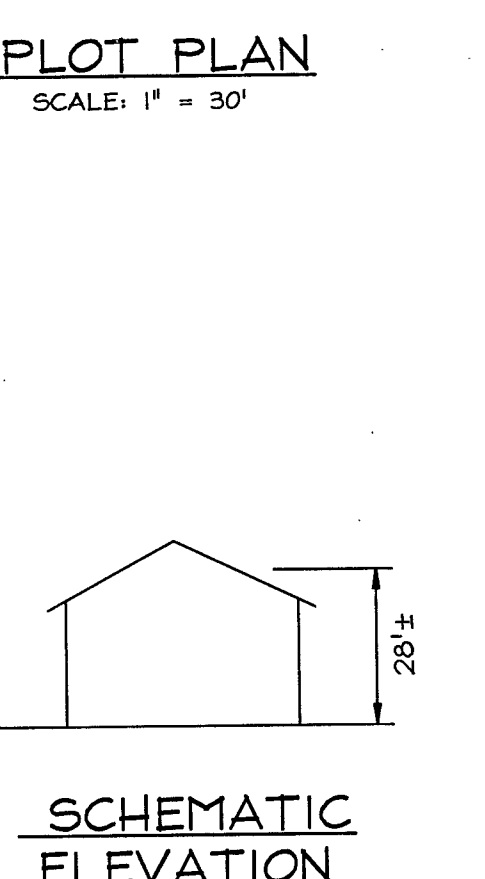
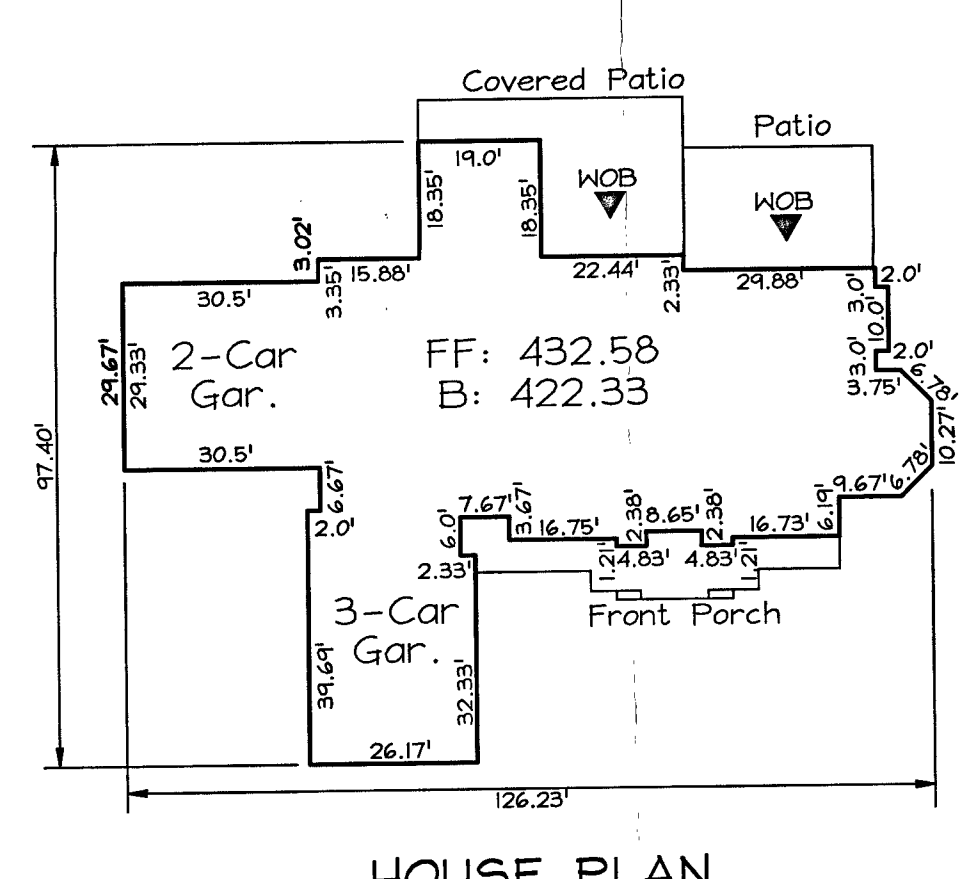
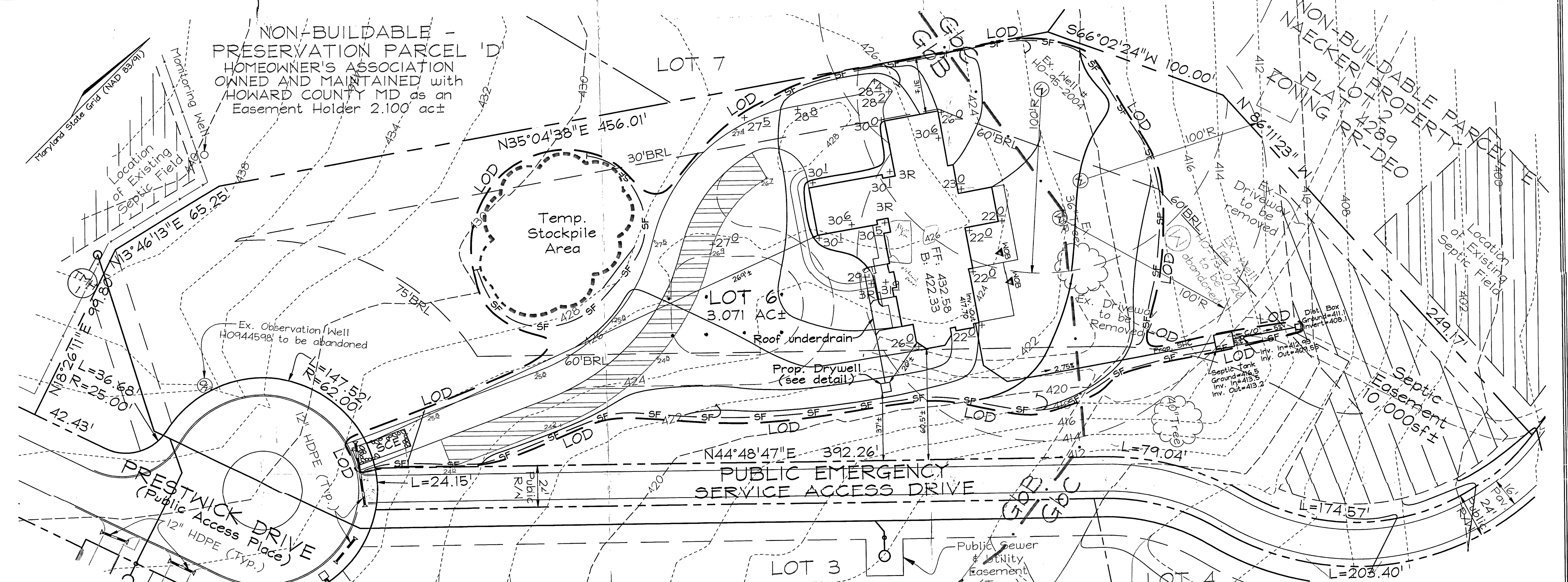
**PERMANENT METHODS:**

- Permanent Vegetation - See standards for permanent vegetative cover, and permanent stabilization with seed. Existing trees or large shrubs may afford valuable protection if left in place.
- Tapping - Covering with less erosive soil materials. See standards for tapping.
- Stone - Cover surface with crushed stone or coarse gravel.

**REFERENCES:**

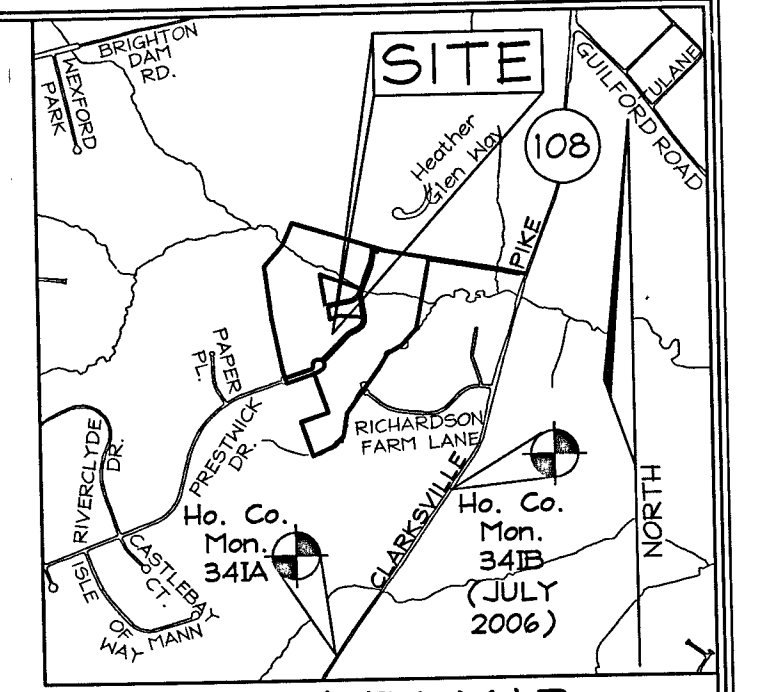
- Agriculture Handbook 346, Wind Erosion Forces in the United States and Their Use in Predicting Soil Loss
- Agriculture Information Bulletin 354, How to Control Wind Erosion, USDA-ARS-7, H-30-1.

**NON-BUILDABLE - PRESERVATION PARCEL 'D'**  
HOMEOWNER'S ASSOCIATION OWNED AND MAINTAINED WITH HOWARD COUNTY MD as an Easement Holder 2.100' ac±



**PROFESSIONAL CERTIFICATION**

I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. #22418, Expiration Date: 07/29/2013.



**GEODETIC CONTROL STATIONS**

Coordinates shown hereon are based on NAD 83, Maryland Coordinate System as projected by Howard County. Geodetic Control Stations no. 341A and no. 341B. Denotes approximate location (see vicinity map).

Sta. 341A N 553,271.914 E 1,325,839.75 Elev. 471.88 (NAVD 88)

Sta. 341B N 554,973.544 E 1,327,078.76

**GENERAL NOTES**

- This property is zoned "RR-DE0" per the 02/02/04 Comprehensive Zoning Plan and the Comp Lite Zoning Regulations Amendments effective 07/28/06.
- Total area of property = 3.071 Ac±.
- Private well water and private septic will serve this lot.
- Topography based on a Field Run Topographic Survey prepared by FSH Associates October, 2006.
- Storm Water Management for CPV, Rev and WQV is provided by rooftop and non-roof top disconnects. Approved under F-10-106.
- The existing well shown on this plan (identified with the attached well tag number: HO-95-2004) has been field located by FSH Associates, Inc on October 26, 2010 and is accurately shown.

**LEGEND**

- Existing Contour: --- 82 --- 382
- Proposed Contour: --- 432.53 ---
- Spot Elevation: --- SF ---
- Direction of Flow: --- SF ---
- Silt Fence: --- LOD ---
- Limit of Disturbance: --- WOB ---
- Soil Boundary: --- WOB ---
- Walk Out Basement: --- WOB ---
- Rooftop Drainage Disconnect: --- LOD ---
- SWM Disconnect Area: [Hatched Box]

**OWNER/DEVELOPER**  
GREENFIELD HOMES, Inc.  
6656 Luster Drive  
Highland, Maryland 20777  
410.781.6782

**PLOT PLAN WILLOW POND**  
LOT 6  
Plat #21630

TAX MAP 34 GRID I7  
5TH ELECTION DISTRICT

PARCEL 382  
HOWARD COUNTY, MARYLAND

DESIGN BY: CRH2  
DRAWN BY: CRH2  
CHECKED BY: ZYF  
SCALE: 1" = 30'  
DATE: Feb. 14, 2013  
W.O. No.: 3199  
SHEET No.: 1 OF 1

**FSH Associates**  
Engineers Planners Surveyors  
6338 Howard Lane, Elkridge, MD 21075  
Tel: 410-587-6200 Fax: 410-788-1582  
E-mail: info@fshot.com

