

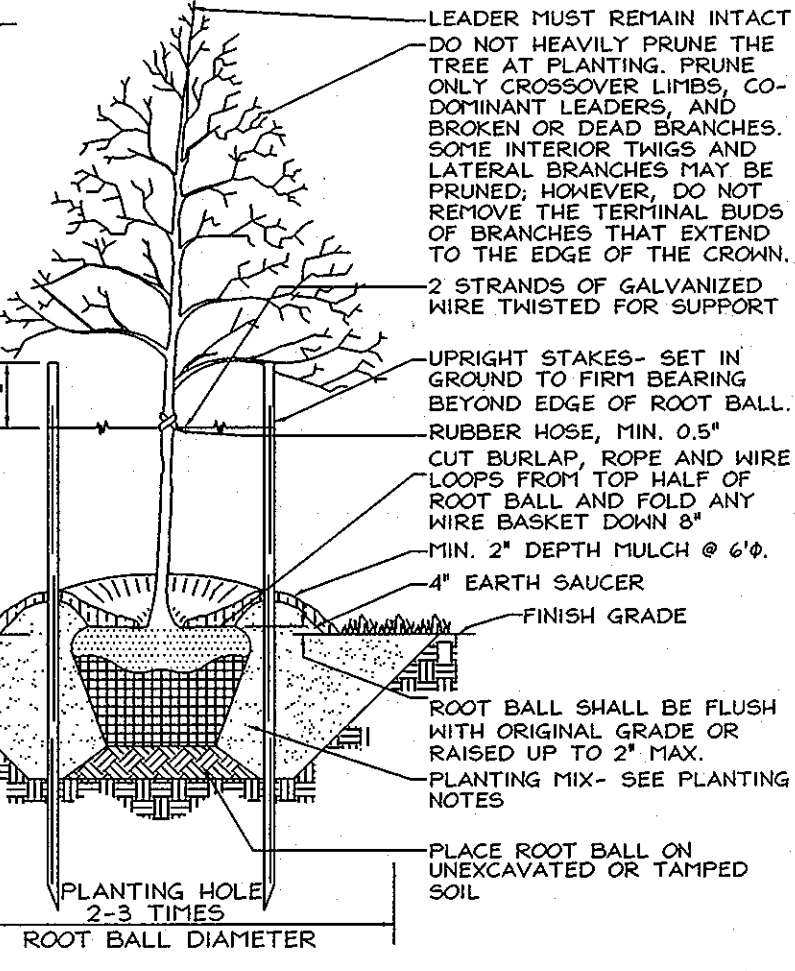
COORDINATE TABLE

POINT	NORTHING	EASTING
27	561,436.2590	1,367,544.5513
28	561,525.1047	1,367,636.9276

ADDRESS CHART

LOTS	STREET
1	3434 Woodrow Street

- NOTES**
- CONSULT INTERNATIONAL SOCIETY OF ARBORICULTURE GUIDELINES FOR FURTHER DETAILS OF PLANTING SPECIFICATIONS OR CONSULT WITH A QUALIFIED PROFESSIONAL.
 - EACH TREE SHALL BE PLANTED SUCH THAT THE TRUNK FLARE IS VISIBLE AT THE TOP OF THE ROOT BALL.
 - STAKES SHALL BE REMOVED NO LATER THAN THE END OF THE FIRST GROWING SEASON AFTER PLANTING.
 - PLACE UPRIGHT STAKES PARALLEL TO WALKS & BUILDINGS.
 - KEEP MULCH 1" FROM TRUNK.
 - SEE ARCHITECTURAL PLANS FOR ADDITIONAL PLANTINGS WHICH EXCEED HOWARD COUNTY MINIMUM REQUIREMENTS.
 - TREES ARE NOT TO BE PLANTED OVER PRIVATE SEWERAGE EASEMENT.



LEGEND

- Existing Contour
- Proposed Contour
- Existing Spot Elevation
- Proposed Spot Elevation
- Direction of Flow
- Existing Trees to Remain
- Proposed House
- Super Silt Fence
- Limit of Disturbance
- Stabilized Construction Entrance
- Proposed Landscape Trees
- 15-24.9% Slopes
- Proposed Ball Valve
- Proposed privately owned Grinder Pump

VICINITY MAP
SCALE: 1"=2000'
ADC 4937 Grid C10

GEODETIK SURVEY CONTROLS
Coordinates based on NAD 83/91, Maryland Coordinate System as projected by Howard County. Geodetic Control Stations no. 24FB and no. 2413. Denotes approximate location (see vicinity map).
Sta. 24FB N 582,652.103 E 1,364,255.930 El.: 423.274 (feet)
Sta. 2413 N 580,648.904 E 1,364,474.471 El.: 404.482 (feet)

TYPICAL TREE PLANTING AND STAKING
DECIDUOUS TREES UP TO 2-1/2" CALIPER NOT TO SCALE

GENERAL NOTES

- The subject property is zoned R-20 per the 02/02/04 Comprehensive Zoning Plan and per the "Comp Lite" Zoning Amendments effective on 07/28/06.
- Total area of property = 6,841 sf. ± or 0.157 ac.
- Public water and sewer will be used within this site via existing Contract 11-W # 31-S.
- In accordance with Section 128 of the Howard County Zoning Regulations, bay windows, chimneys or exterior stairways not more than 16 feet in width may project not more than 4 feet into any setbacks, porches or decks, open or enclosed may project not more than 10 feet into the front or rear yard setback.
- Driveway(s) shall be provided prior to issuance of a use and occupancy permit to ensure safe access for fire and emergency vehicles per the following requirements:
 - Width - 12 feet (16 feet serving more than one residence);
 - Surface - six (6") inches of compacted crusher run base with tar and chip coating (1-1/2" Minimum);
 - Geometry - Maximum 15% grade, Maximum 10% grade change and 45-foot turning radius;
 - Structures (culverts/bridges) - capable of supporting 25 gross tons (H25-loading);
 - Drainage elements - capable of safely passing 100 year flood with no more than 1 foot depth over surface;
 - Maintenances - sufficient to ensure all weather use.
- There are no floodplains, historic structures or cemeteries on-site.
- Previous Howard County file numbers: F-05-132
- This property is subject to the Amended 5th edition of the Howard County Subdivision and Land Development Regulations.
- This Site Development Plan has been prepared in accordance with Section 16.124 of the Howard County Code and the Landscape Manual. Financial surety is based on the required landscaping of 3 shade trees @ \$300.00 in the amount of \$900.00, provided with and done as a part of the grading permit application.
- The contractor shall notify the following utility companies or agencies at least five(5) working days before starting work shown on these plans:

State Highway Administration	410.531.5533
BGE (contractor services)	410.950.4620
BGE (underground damage control)	410.787.9068
Miss Utility	1.800.257.7777
Colonial Pipeline Company	410.745.1390
Howard County, Dept. of Public Works, Bureau of Utilities	410.313.4900
Howard County Health Department	410.313.2640
- The contractor shall notify Miss Utility at 1-800-257-7777 at least 48 hours prior to any excavation work being done.
- All construction shall be in accordance with the latest standards and specifications of Howard County standards and specifications if applicable.
- This project is exempt per Section 16.1202(b)(1)(i) for a Forest Conservation Plan for development on land which is less than 40,000 square feet.
- Contractor to verify all dimensions in the field and if discrepancy is found, contact the engineer.
- All water house connections shall be for outside metering settings.
- This project is exempt from Stormwater Management because the total disturbed area is under 5,000 square feet.
- This site is located within the metropolitan district.
- BRL Denotes Building Restriction Line.
- Field run boundary and topographic survey prepared by FSH Associates on November 4, 2004.
- This project is exempt from preparing an A.P.F.O. traffic study due to reduction in the number of buildable lots from three (3) to two (2).
- Metlands delineation and report prepared by Exploration Research Inc.
- The lots shown hereon comply with the minimum ownership, width and lot area as required by the Maryland State Department of the Environment.
- The lot is non-conforming with respect to the lot size requirements of the R-20 district. The merging of three lots into two lots moves lot sizes toward regulatory compliance.
- For flag or pipestem lots, refuse collection, snow removal and road maintenance are provided to the junction of the flag or pipestem and road right-of-way line and not to the pipestem lot driveway.
- FOR DRIVEWAY ENTRANCE DETAILS, REFER TO THE HOWARD COUNTY DESIGN MANUAL VOLUME 2 STANDARD DETAIL R-6.06.**
- ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.**

PLAN VIEW
SCALE: 1"=20'

* NOTE: FOR WAIVER INFORMATION RELATED TO THE PRESSURE SEWER, SEE F-05-132.

SITE ANALYSIS DATA CHART

- Total project area: 0.157 Acres ±
- Limit of disturbed area: 0.114 Acres ±
- Subject property Zoned "R-20" per 02/02/04 Comprehensive Zoning Plan and per the "Comp Lite" Zoning Regulation Amendments effective 7/28/06.
- Proposed uses for site & structures: Single Family Dwelling
- Floor space on each level of building(s) per use: See house templates.
- Building coverage of site: 0.039 Acres or 24.8% of Gross Area.
- DPZ file references: F-05-132
- Total number of units proposed for this submission: 1

DEVELOPER'S BUILDER'S CERTIFICATE

I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE HOWARD COUNTY LANDSCAPE MANUAL. I/WE FURTHER CERTIFY THAT UPON COMPLETION, A LETTER OF LANDSCAPE INSTALLATION, ACCOMPANIED BY AN EXECUTED ONE(1) YEAR GUARANTEE OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.

[Signature] 7/22/10
SIGNATURE OF DEVELOPER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

[Signature] 8/6/10
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

[Signature] 8/19/10
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

[Signature] 8/19/10
DIRECTOR DATE

SCHEDULE A PERIMETER LANDSCAPE EDGE

CATEGORY	ADJACENT TO ROADWAYS	ADJACENT TO PERIMETER PROPERTIES
Perimeter/Frontage Designation	1	2 3
Landscape Type	B	A A
Linear Feet of Roadway Frontage/Perimeter	58**	128 58
Credit for Existing Vegetation (Yes, No, Linear Feet)	No	No Yes 12 46
Remaining Perimeter Length (Yes, No, Linear Feet)	No	No No
Remaining Perimeter Length (Describe Plant Substitution Credits Below if needed)		
Number of Plants Required	1:50 -	1:60 2 1:60 1
Shade Trees	1:40 -	- -
Evergreen Trees		
Number of Plants Provided		
Shade Trees	-	2 1
Evergreen Trees	-	- -
Other Trees (2:1 Substitution)	-	- -
Shrubs (10:1 Substitution)	-	- -
(Describe Plant Substitution Credits Below if needed)		

* Existing woods to remain
** House Fronts on R/W

LANDSCAPE SCHEDULE

KEY	QUAN.	BOTANICAL NAME	SIZE	NOTE
1	3	Acar. Rubrum (Street Trees) October Glory Red Maple	2 1/2"-3" Col.	B & B

SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	SOIL GROUP
BrB2	Brandywine loam, 3 to 8 percent slopes, moderately eroded	C
BrC2	Brandywine loam, 8 to 15 percent slopes, moderately eroded	C
BrC3	Brandywine loam, 8 to 15 percent slopes, severely eroded	C
BrD3	Brandywine loam, 15 to 25 percent slopes, severely eroded	C
BrF	Brandywine loam, 25 to 60 percent slopes	C

DEVELOPER CONTRACT PURCHASER
Mr. Tim Burkard
Burkard Homes, LLC
5300 Dorsey Hall Drive, Suite 102
Ellicott City, MD, 21043
443.367.0422

OWNER
Mr. Jeffrey C. Firman
3430 Woodrow Street
Ellicott City, MD, 21043-5433
410.461.4882

SHEET INDEX

DESCRIPTION	SHEET No.
Site Development and Landscape Plan	1 of 2
Sediment and Erosion Control Plan	2 of 2

SITE DEVELOPMENT PLAN
FIRMAN PROPERTY
LOT 1 PLAT #17986
TAX MAP 25 GRID 13 PARCEL 34 # 37
2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND

FSH Associates
Engineers Planners Surveyors
6339 Howard Lane, Ellicott City, MD 21075
Tel: 410-567-5200 Fax: 410-796-1552
E-mail: info@fsheri.com

DESIGN BY: CRH2
DRAWN BY: CRH2
CHECKED BY: ZYF
SCALE: As Shown
DATE: July 16, 2010
P.L.O. No.: 3666
SHEET No.: 1 OF 2

SEDIMENT CONTROL NOTES

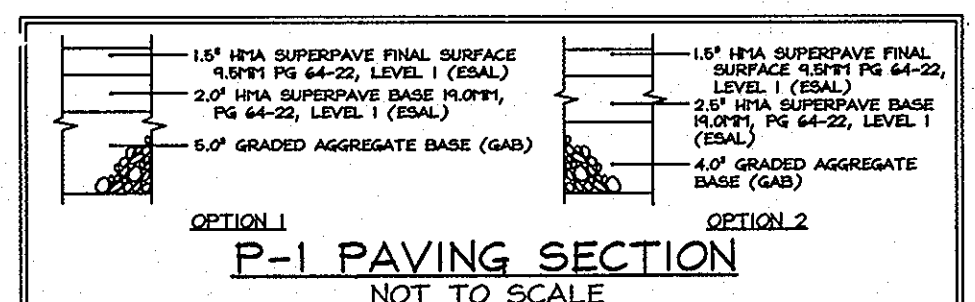
- A minimum of 48 hours notice must be given to the Howard County Department of Inspection, License and Permits Sediment Control Division prior to the start of any construction (410-313-1855).
- All vegetation and structural practices are to be installed according to the provisions of this plan and are 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 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, sod, temporary seeding, and mulching (Sec. G). Temporary stabilization with mulch alone shall be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
- All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
- Site Analysis:

Total Area	0.157 Acres
Area Disturbed	0.114 Acres
Area to be bermed or paved	0.056 Acres
Area to be vegetatively stabilized	0.056 Acres
Total Cut	500 CY ±
Total Fill	500 CY ±
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 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.

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 Super Silt Fence.
- Rough grade site and begin house construction. (1 week)
- Fine grade site. (1 week)
- 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:
 -Following initial soil disturbance or any redistribution, permanent or temporary stabilization shall be completed within:
 a. 7 calendar days for all perimeter sediment control structures, dikes, swales and all slopes greater than 3:1.
 b. 14 calendar days for all other disturbed areas.
 -During grading and after each rainfall, contractor will inspect and provide necessary maintenance to the sediment control measures on this plan.



Note:
 Paving sections shown are based on a California Bearing Ratio (CBR) of greater than or equal to 7. Actual CBR tests may result in modifications to the paving sections. For other CBR values go to the Howard County Volume IV Design Manual, standard detail R-2.01, for associated P-1 Paving Sections.

DEVELOPER'S CERTIFICATE
 I HEREBY 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 COUNTY DEPARTMENT OF PLANNING AND ZONING.

DATE: 7/22/10

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

DATE: 8/6/10

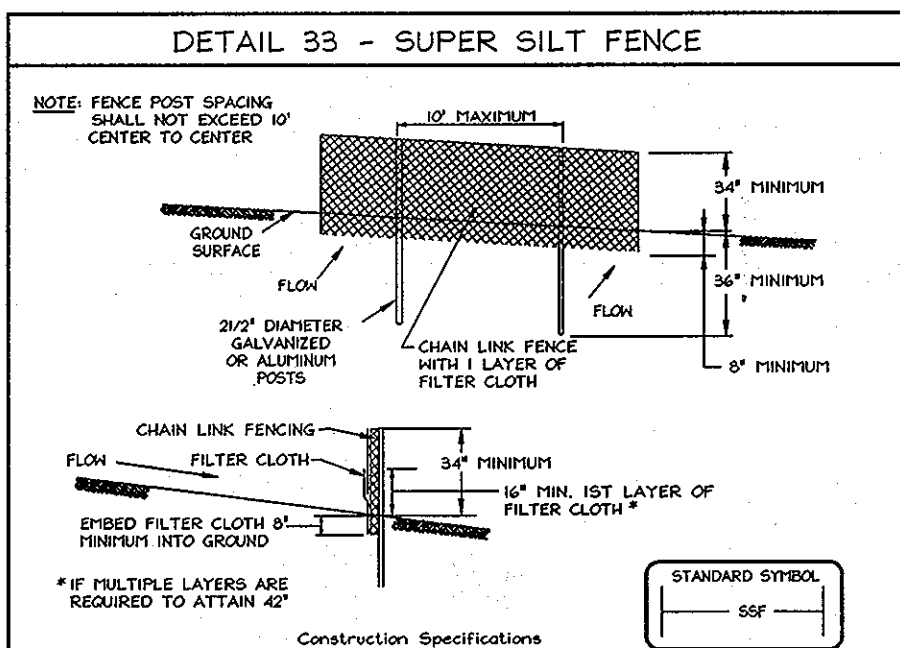
DATE: 3/29/10

DATE: 8/9/10

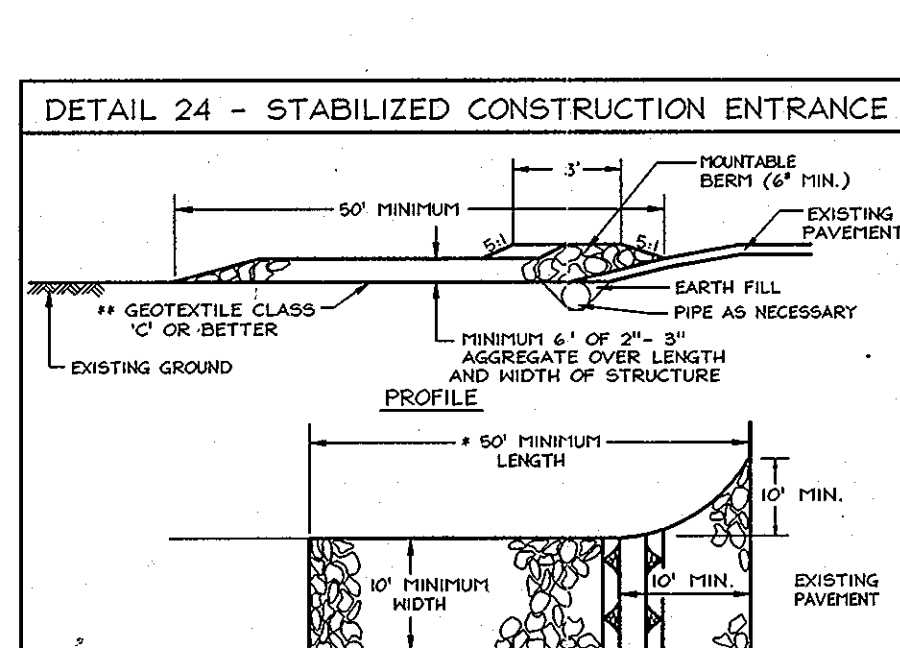
ENGINEERS CERTIFICATE
 I CERTIFY THAT THIS PLAN FOR SEDIMENT AND EROSION CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

SIGNATURE OF ENGINEER: ZACHARIA Y. FISCH

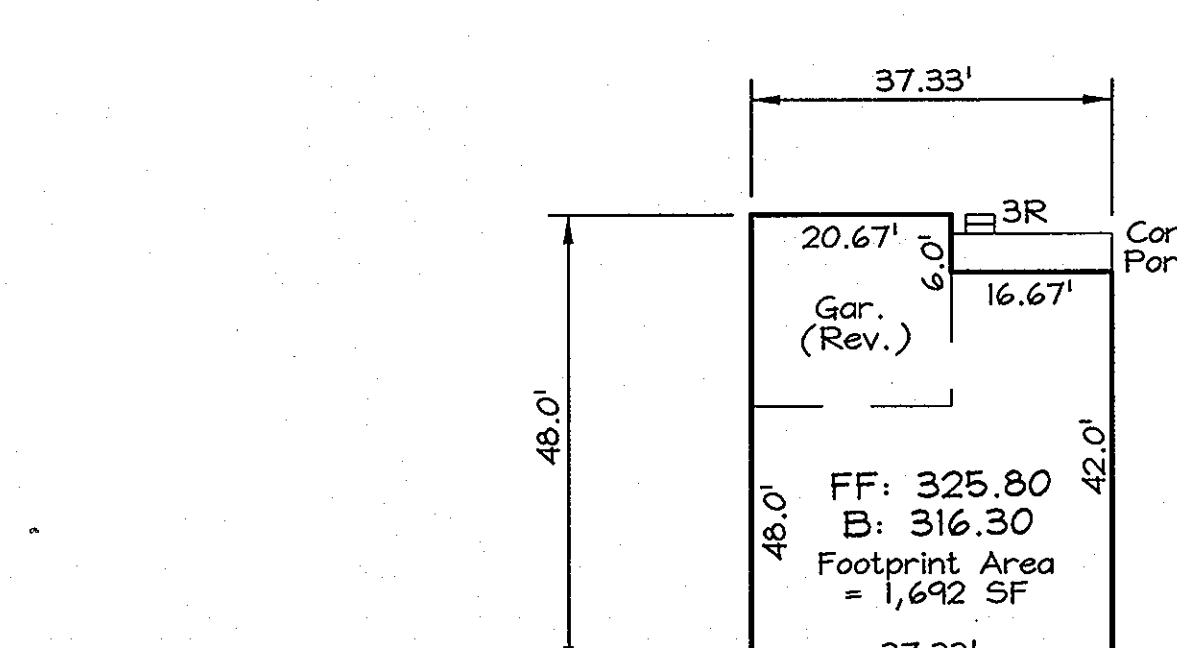
DATE: 7/16/2010



Construction Specifications:
 1. Fencing shall be 42\"/>



Construction Specifications:
 1. Length - minimum of 50' (± 30' for a single lane lot).
 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 stones.
 4. Stone - crushed aggregate (2\"/>



DEVELOPER CONTRACT PURCHASER: Mr. Tim Burkard, Burkard Homes, LLC, 5300 Dorsey Hall Drive, Suite 102, Ellicott City, MD, 21043, 443.567.0422

OWNER: Mr. Jeffrey C. Firman, 3930 Woodrow Street, Ellicott City, MD, 21043-5433, 410.461.4882

PERMIT INFORMATION CHART

Subdivision Name:	Firman	Section/Area:	N/A	Lot/Parcel No.:	Lot 1
Deed / Plat:	Plat #17986	Grid:	I3	Tax Map No.:	25
Zoning:	R-20	Elect. District:	2nd	Census Tract:	6028

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: 07/29/2011.

SITE DEVELOPMENT PLAN SEDIMENT AND EROSION CONTROL PLAN FIRMAN PROPERTY

LOT 1
 PLAT #17986

TAX MAP 25 GRID I3
 2ND ELECTION DISTRICT

PARCEL 34 & 37
 HOWARD COUNTY, MARYLAND

FSH Associates
 Engineers Planners Surveyors
 6339 Howard Lane, Elkridge, MD 21075
 Tel: 410-587-5200 Fax: 410-796-1552
 E-mail: info@fsh.com

DESIGN BY: CRH2
 DRAWN BY: CRH2
 CHECKED BY: ZYF
 SCALE: As Shown
 DATE: July 16, 2010
 W.O. No.: 3666
 SHEET No. 2 OF 2

PERMANENT SEEDING NOTES

- APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO 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 per acre dolomitic limestone (42 lbs./100 sq.ft.) and 600 lbs per acre 10-10-10 fertilizer (14 lbs./1000 sq.ft.) before seeding. Harrow or disk to upper three inches of soil. At the time of seeding, apply 400 lbs. per acre 30-0-0 urea-form fertilizer (4 lbs/1000 sq.ft.).
 2) Acceptable - Apply 2 tons per acre dolomitic limestone (42 lbs./100 sq.ft.) and apply 1000 lbs. per 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 thru April 30, and August 1 thru October 15, seed with 2 1/2 bushels per acre of annual ryegrass (3 lbs./1000 sq.ft.) For the period May 1 thru July 31, seed with 2 1/2 bushels of Tall Fescue (3 lbs./1000 sq.ft.) For the period October 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.
MULCHING: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq.ft.) of untreated small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 200 gallons per acre (5 gal/1000 sq.ft.) of untreated asphalt emulsion. On slopes 5 feet or higher, use 340 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 600 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq.ft.).
- SEEDING:** For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2 1/2 bushels per acre of annual ryegrass (3 lbs./1000 sq.ft.) For the period May 1 thru August 14, seed with 3 lbs. per acre of seeding mixtures of (7 lbs./1000 sq.ft.). For the period November 1 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.
- MULCHING:** Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq.ft.) of untreated small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 200 gallons per acre (5 gal/1000 sq.ft.) of untreated asphalt emulsion. On slopes 5 feet or higher, use 340 gallons per acre (6 gal/1000 sq.ft.) for anchoring.
- REFER TO THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.**

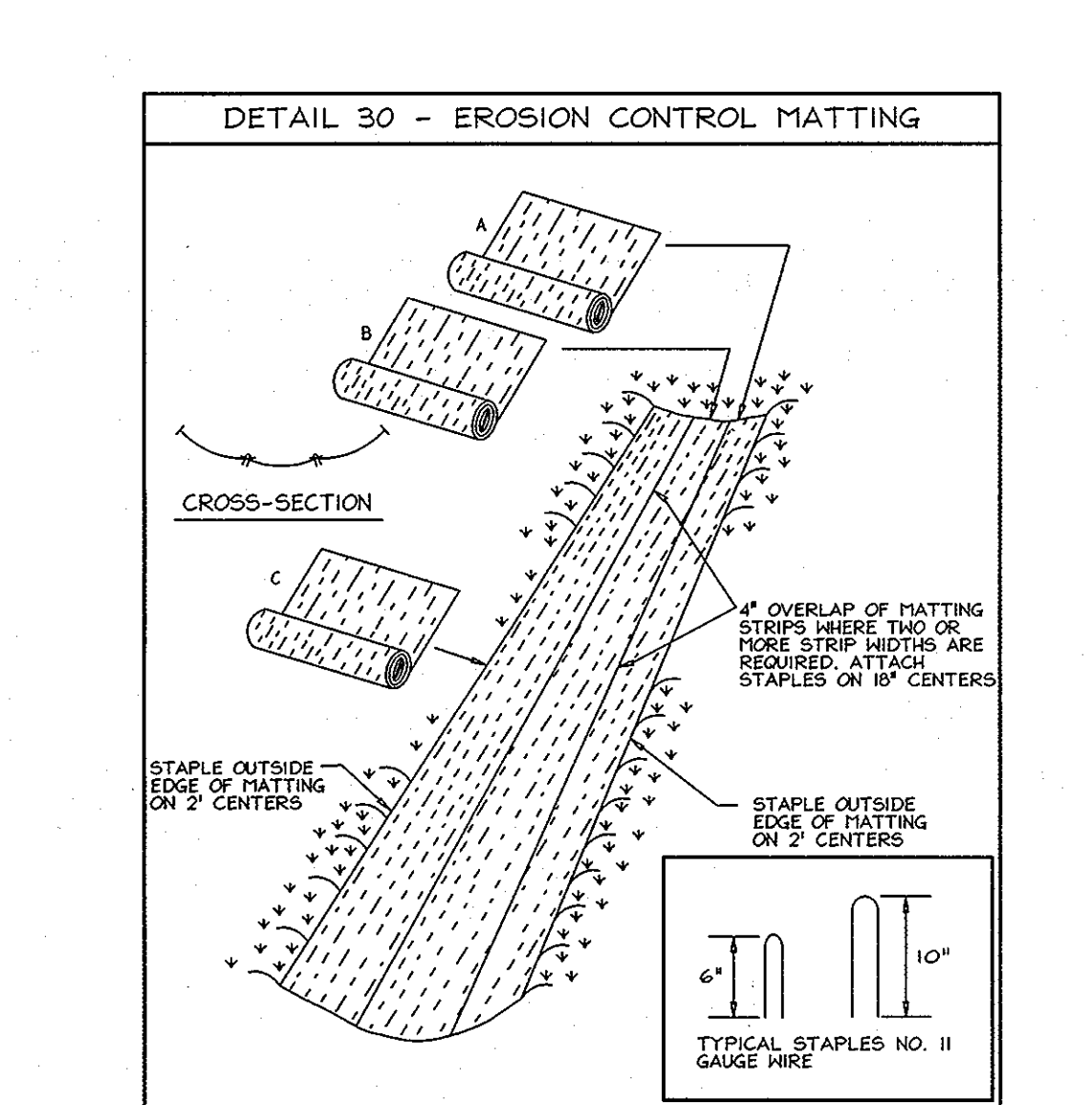
DUST CONTROL

- 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.
- SPECIFICATIONS:**
 1. Practices - Se standards for vegetative stabilization with mulches only. Mulch should be eroded or tacked to prevent blowing.
 2. Vegetative Cover - Use standards for temporary vegetative cover.
 3. Triage - To roughen surface and bring clods to the surface. This is an emergency measure which should be used before soil blowing starts. It consists of placing an upward side of site. Chisel-type plow spaced about 12' apart, spring-tined harrow, and similar devices are commonly used. Equipment which may produce the desired effect.
 4. Sealing - This is generally done as an emergency treatment. Site is irrigated to the point that runoff begins to flow.
 5. Mulching - This is generally done as an emergency treatment. Site is irrigated to the point that runoff begins to flow.
 6. Windbreaks - Windbreaks may be used to reduce wind speed, reduce air-borne dust, and similar material can be used to control air currents and soil blowing. Barbed wire, solid board fence, or similar material may be used. Windbreaks should be placed in a staggered pattern on either side.
 7. Windbreak Height - Windbreak height should be determined by wind speed. Windbreak height should be determined by wind speed. Windbreak height should be determined by wind speed.
 8. Calcium Chloride - Apply at rates that will keep surface moist. May need reapplication.
- RECOMMENDED METHODS:**
 1. Permanent Vegetation - Se standards for permanent vegetative cover, and permanent stabilization with soil. Existing trees or large shrubs may afford valuable protection if left in place.
 2. Topping - Covering with less erosive soil materials. Se standards for topsoil.
 3. Sealing - Cover surface with crushed stone or coarse gravel.
- REFERENCES:**
 1. Agriculture Handbook 346, Wind Erosion Forces in the United States and Their Use in Planning Soil Loss.
 2. Agriculture Information Bulletin 354, How to Control Wind Erosion, 11-30-11.

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 vegetable growth. Soils of coarse texture, low moisture content, low nutrient levels, low pH, materials toxic to plants, and/or unacceptable soil gradation.
- CONDITIONS WHERE PRACTICE APPLIES:**
 I. This practice is limited to areas having 2:1 or flatter slopes where:
 a. The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.
 b. The soil material is so shallow that the rooting zone is not deep enough to support plants or furnish continuing supplies of moisture and plant nutrients.
 c. The original soil to be vegetated contains material toxic to plant growth.
 d. The soil is so acidic that treatment with limestone is not feasible.
 II. 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 design for the slope.
 III. 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 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.
- 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 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.
 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, loamy sand. Other soils may be used if recommended by an agronomist or a soil scientist and approved by the appropriate approval authority. Regardless, topsoil shall not be a mixture of contrasting textured subsoils and shall contain less than 5% by volume of cinders, stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger than 1 and 1/2\"/>

DETAIL 30 - EROSION CONTROL MATTING



Construction Specifications:
 1. Key-in the matting by placing the top ends of the matting in a narrow trench, 4\"/>

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE 6-22-2
 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION