

ALFRED L. HANSARD.

CONSERVATION DISTRICT

PATRICK COSTELLO

DATE

9/15/15

DATE

FREDERICK OFFICE:

5111 Pegasus Court, Suite B Frederick, MD 21704-8318

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Westminster, MD 21157-5539

FAX (410) 848-1791

CHIEF, DIVISION OF LAND DEVELOPMENT

DIRECTOR

CHIEF DEVELOPMENT ENGINEERING DIVISION

VIAMMANI.

PROFESSIONAL ENGINEER REG. No. 23446

DEVELOPER'S CERTIFICATE

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE

DONE ACCORDING TO THIS PLAN OF DEVELOPMENT FOR SEDIMENT AND

EROSION CONTROL, AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED

ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL

N THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE

AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR

THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT

VANBORINE PLACE

WATER AND SEWER CONTRACT NO. 24-4056-D

SHEET 1 OF 4

OWNER / DEVELOPER

FORTY WEST GROUP

3230 BETHANY LANE

ELLICOTT CITY, MARYLAND 21042

410-418-8900 FAX 410-203-9984

SECTION/AREA

SEWER CODE: 602200

STREET ADDRESS 3207 VANBORINE PLACE

3211 VANBORINE PLACE

3215 VANBORINE PLACE

TAX MAP #

LOT/PARCEL NO. 12

LOTS 2,3 \$ 4

6022.00

ELECT. DIST. CENSUS TRAC

SHARED DRIVEWAY WHICH CROSSES AND SERVES THE EXISTING DWELLING ON LOT 1 JUNE 2005 SCALE 1" = 50'

TAX MAP 16, GRID 23 PARCEL 12

2 nd. ELECTION DISTRICT HOWARD COUNTY, MARYLAND

LOTS 2 THROUGH 4

SINGLE FAMILY DWELLINGS AND THE

County File No. SDP-05-126

HOWARD SOIL CONSERVATION DISTRICT 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 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 operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.

. Site Analysis: Area Disturbed 3.02 Acres 0.24 Acres Total Area of Site Area to be roofed or paved Total Cut 535 Cu Yds. Area to be vegetatively stabilized 0.58 Acres

Offsite waste/borrow area location will be to a site with an approved sediment control plan and an approved and open grading permit.

8. Any sediment control practice, which is disturbed by grading activity for of utilities, must be repaired on the same day of disturbance.

9. Additional sediment control must be provided, if deemed necessary by the County Sediment Control Inspector.

10. On all sites with disturbed areas in excess of 2 acres, approval of the 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 which shall be back-filled and stabilized by the end of each workday, whichever is shorter

Topsoil Notes

Rev. 9/99

Construction and Material Specifications

I. Topsoil selvaged 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 Agricultura: Experimental Station.

II. Topsoil Specifications - Soil to be used as topsoil must meet the following: i. 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 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 that 1 «" in diameter.

ii. Topsoil must be free of plants or plant parts such as bermuda grass, quack grass, Johnson grass, nutsedge, poison ivy, thistle, or others as specified. ili. 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 conjunction with tillage operations as described in the following procedures.

III. For sites having disturbed areas under 5 acres: i. Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization - Section I - Vegetative Stabilization Methods and Materials.

IV. For sites having disturbed areas over 5 acres: i. On soil meeting Topsoil specifications, obtain test results dictating fertilizer and lime amendments required to bring the soil into compliance with the following: Page 2

Topsoil Notes a) pH for topsoil shall be between 6.0 and 7.5. If the tested soil demonstrates a pH of less than 6.0, sufficient lime shall be prescribed to raise the pH to

6.5 or higher. b) Organic content of topsoil shall be not less than 1.5 percent by weight. c) Topsoil having soluble salt content greater than 500 parts per million shall not be used d) No sod or seed shall be placed on soil which has been treated with soil

sterilants or chemicals used for weed control until sufficient time has elapsed (14 days min.) to permit dissipation of phyto-toxic materials. Note: Topsoil substitutes or amendments, as recommended by a qualified agronomist or soil scientist and approved by the appropriate approval authority, may be used in lieu of natural topsoil.

ii. Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization - Section I - Vegetative Stabilization Methods and Materials.

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS

PELOPMENT PLAN IS AF PROVED FOR PROSION AND SEDIMENT CONTROL BY THE

DATE

DATE

V. Topsoil Application

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

ii. Grades on the areas to be topsoiled, which have been previously established shall be maintained, albeit 4"-8" higher in elevation. iii. Topsoil shall be uniformly distributed in a 4"-8" layer and lightly compacted to a minimum thickness of 4". Spreading shall be performed in such a manner that sodding or seeding can proceed with a minimum of additional soil. iv. 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 Notes

v. 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 seedbed preparation. VI. Alternative for Permanent Seeding - Instead of applying the full amounts of lime and commercial fertilizer, composted sludge and amendments may be applied as specified below:

i. Composted Sludge Material for use as a soil conditioner for sites having disturbed areas over 5 acres shall be tested to prescribe amendments and for sites having disturbed areas under 5 acres shall conform to the following

a) Composted sludge shall be supplied by, or originate from, a person or persons that are permitted (at the time of acquisition of the compost) by the Maryland Department of the Environment under COMAR 26.04.06. b) Composted sludge shall contain at least 1 percent nitrogen, 1.5 percent phosphorus, and 0.2 percent potassium and have a pH of 7.0 to 8.0. If compost does not meet these requirements, the appropriate constituents must be added to meet the requirements prior to use. c) Composted sludge shall be applied at a rate of 1 ton/1,000 square feet. ii. Composted sludge shall be amended with a potassium fertilizer applied at the

ALL SEDIMENT CONTROL MEASURES

rate of 4 lb/1,000 square feet, and 1/3 the normal lime application rate.

SHOWN HEREON ARE TEMPORARY UNLESS OTHERWISE NOTED.

STABILIZATION SPECIFICATIONS

TEMPORARY SEEDING NOTES

Scope: Planting short term (no more then 1 year) vegetation to temporarily stabilize any areas where soil disturbance has occurred, until the area can be permanently stabilized with vegetative or non-vegetative practices.

Standards: The following notes shall conform to the "1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL" Published jointly by the Maryland Department of Environment - Water Management Administration, the National Resource Conservation Service, and the State Soil Conservation Committee.

1. The seed ped shall be prepared by loosening the soil to a depth of 3 to 5 inches and incorporating the lime and fertilizer into this loosened layer of soil. See G-20 Sec. 1-C. 2. Fertilizer shall consist of a mixture of 10-10-10 and be applied at a rate of 600 lb per acre (15 lb per 1000 sq. ft.) and will meet the requirements in 6-20 Sec. 1-B.

3. Lime shall be applied at a rate of 2 tons per acre (100 lb per 1000 sq. ft.) and shall meet the requirements in 6-20 Sec. 1-B. 4. Seed tags shall be made available to the inspector to verify the type and rate of seed used.

The seed must meet the requirements in G-20 Sec. 1-C. 5. Mulching will be applied immediately after seeding and will need to meet the requirements in

6. Seeding mixtures shall be selected from or will be equal to those on Table 26.

7. The following is one option, approved equals may be used.

Temporary Seeding Summary Seed Mixture Hardiness Zone 6B/7A (G-20 Figure 5)

		Application	Seeding	Seeding
No. 9	species	Rate(lb/ac)	Dates	Depths
N/A K	centucky-3 1	80	3/1 to 11/15	1 "
Annua	l Rye	20	3/1 to 11/15	1/4" - 1/2

PERMANENT SEEDING NOTES

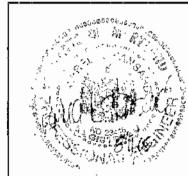
Scope: Planting permanent, long lived vegetative cover on graded and/or cleared areas and areas that have been in temporary vegetation for more then 1 year. Standards: The following notes shall conform to the "1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL" Published jointly by the Maryland Department of Environment - Mater Manager Administration, the National Resource Conservation Service, and the State Soil Conservation Committee.

- 1. The seed bed shall be prepared by loosening the soil to a depth of 3 to 5 inches and incorporating the lime and fertilizer into this loosened layer of soil. See G-20 Sec. 1-C.
- 2. For sites over 5 ac. soil tests will be performed to determine the exact mixture and application rates for both lime and fertilizer. Soils tests will be prepared by the University of Maryland or a recognized commercial laboratory. If the existing soil does not meet the minimum conditions as stated in G-20 Sec. 1-C-ii, then topsoil will need to be obtained that meets these conditions and applied so as to meet the requirements in G-21.
- 4. Fertilizer shall consist of a mixture of 10-20-20 and be applied at the following rates: N=90 lb per acre (2 lb per 1000 sq. ft.) P205-175 lb per acre (4 lb per 1000 sq. ft.) K20=175 lb per acre (4 lb per 1000 sq. ft.). Fertilizer shall meet the requirements in 6-20

3. For sites of 5 ac. or less of disturbance, the following fertilizer and lime rates shall apply.

- 5. Lime shall be applied at a rate of 2 tons per acre (100 lb per 1000 sq. ft.) and shall meet the 6. Seed tags shall be made available to the inspector to verify the type and rate of seed used.
- The seed must meet the requirements in G-20 Sec. 1-c. 7. Mulching will be applied immediately after seeding and will need to meet the requirements in G-20 Sec. 1-F.G & H.
- 8. Refer to G-20 Sec. 1-E for Methods of Seeding specifications.
- 9. Refer to 6-20 Sec. 4 for Sod specifications. 10. Refer to 6-20 Sec. 5 for Turfgrass Establishment specifications.
- 1 1. Seeding mixtures shall be selected from or will be equal to those on Table 25.
- 12. The following is one option, approved equals may be used.





Permanent Seeding Summary

N 10 P205 10 K20 10 Lime application rate - 2 tons/acre (100 lbs./1000 sq. ft.) Seed Mixture Hardiness Zone 6B/TA (G-20 Figure 5)

eea Mixture Harainess 2	One ob/ IA (G-2)	O rigui e 5)	
	Application	Seeding	Seeding
o. Species	Rate (lb/ac)	Dates	Depth
/A Triple Fine Fescue	160	3/1 to 10/30	1"-2"
Perennial Rye	40	3/1 to 10/30	1"-2"

On areas where the slope is 3:1 or steeper and the height is 8' or greater, contractor shall track the slope using cleated dozer prior to placing asphalt binder. Dozer shall run up-and-down so that cleat marks are horizontal. Where tracking is required, it shall be done from existing grade level to finished grade level within the limits established by the 8' height criteria.

UTILITY CONSTRUCTION NOTES

Place all excavated material on the high side of the trench.

Only do as much work as can be done in one day so backfilling, final grading, and permanent stabilization can occur.

3. Any sediment control measures disturbed by the utility construction will be repaired the same day.

STOCKPILE/TOPSOIL NOTES

Stockpiling will not be allowed on any impervious area.

2. All stockpiles left at the end of the day will need to be temporarily stabilized until they are again disturbed, unless they are within existing perimeter sediment controls.

3. All stockpile areas shall be confined within perimeter controls. In the event that stockpile areas must be located outside disturbed areas, the location shall be as directed by the inspector in the field.

SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT. (1 DAY) 2. INSTALL ALL SEDIMENT AND EROSION CONTROL DEVICES AS SHOWN ON PLAN

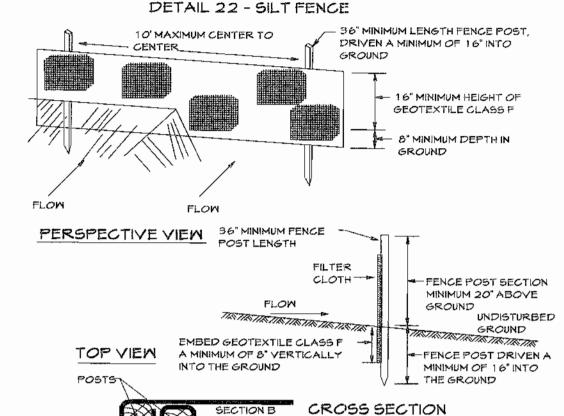
PER LOT. (2 DAYS) 3. CONSTRUCT DWELLING. (90 DAYS) 4. FINE GRADE LOT AND INSTALL

DRIVENAY (1 DAY) 5. INSTALL PERMANENT SEEDING AND

MULCHING. (1 DAY) 6. INSTALL LANDSCAPING. (1 DAY)

7. ONCE LOT IS PERMANENTLY STABILIZED AND PERMISSION IS GRANTED BY E & S INSPECTOR. REMOVE SEDIMENT AND EROSION CONTROL DEVICES. (2 DAYS)

SECTION A



STANDARD SYMBOL STAPLE JOINING TWO ADJACENT SILT FENCE SECTIONS

Construction Specifications

1. FENCE POSTS SHALL BE A MINIMUM OF 36" LONG DRIVEN 16" MINIMUM INTO THE GROUND. MOOD POSTS SHALL BE 11/2" X 11/2" SQUARE (MINIMUM) CUT, OR 11/4" DIAMETER (MINIMUM) ROUND AND SHALL BE OF SOUND QUALITY HARDWOOD, STEEL POSTS WILL BE STANDARD T OR U SECTION MEIGHTING NOT LESS THAN 1.00 POUND PER LINEAR FOOT.

2. 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

TENSILE STRENGTH 50 LBS/IN (MIN.) TEST: MSMT 509 TENSILE MODULUS 20 LBS/IN (MIN.) TEST: MSMT 509 O.S GAL FT & MINUTE (MAX.) TEST: MSMT 322 FILTERING EFFICIENCY 75% (MIN.) TEST: MSMT 322

3. WHERE ENDS OF GEOTEXTILE FABRIC COME TOGETHER, THEY SHALL BE OVERLAPPED.

4. SILT FENCE SHALL BE INSPECTED AFTER EACH RAINFALL EVENT AND MAINTAINED WHEN BULGES OCCUR OR WHEN SEDIMENT ACCUMULATION REACHED 50% OF THE FABRIC HEIGHT.

Silt Fence Design Criteria

Slope Steepness	(Maximum) Slope Length	(Maximum) Silt Fence Length
Flatter than 50:1	unlimited	unlimited
50:1 to 10:1	125 feet	1,000 feet
10:1 to 5:1	100 feet	75 <i>0</i> feet
5:1 to 3:1	60 feet	500 feet
3:1 to 2:1	40 feet	250 feet
2:1 and steeper	20 feet	125 feet
NOTE IN AREAS OF LESS THAN		

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

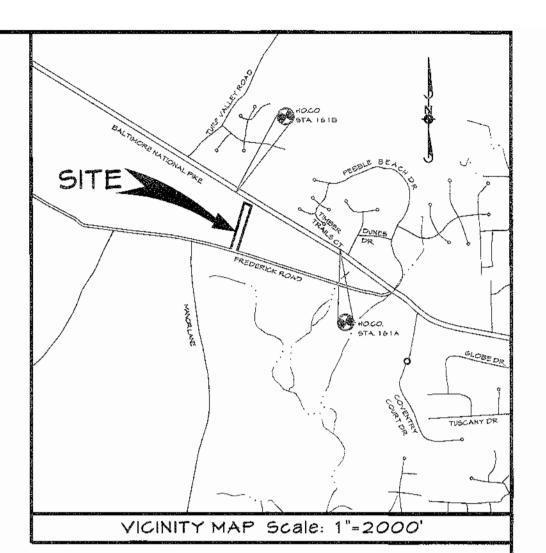
OWNER / DEVELOPER

FORTY WEST GROUP

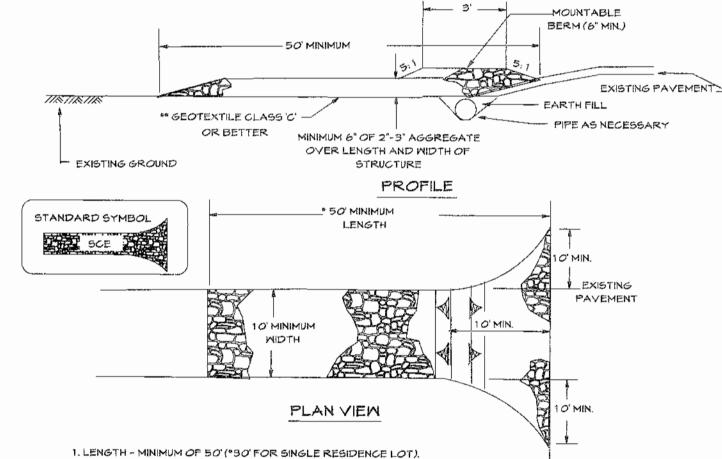
3230 BETHANY LANE

ELLICOTT CITY, MARYLAND 21042

410-418-8900 FAX 410-203-9984



DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE



2. WIDTH - 10' MINIMUM, SHOULD BE FLARED AT THE EXISTING ROAD TO PROVIDE A TURNING 5. GEOTEXTILE FABRIC (FILTER CLOTH) SHALL BE PLACED OVER THE EXISTING GROUND PRIOR

TO PLACING STONE. **THE PLAN APPROVAL AUTHORITY MAY NOT REQUIRE SINGLE FAMILY RESIDENCES TO USE GEOTEXTILE

4. STONE - CRUSHED AGGREGATE (2" TO 3") OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT SHALL BE PLACED AT LEAST 6" DEEP OVER THE LENGTH AND WIDTH OF THE ENTRANCE.

5. SURFACE MATER - ALL SURFACE MATER 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 MOUNTABLE BERM WITH 5: 1 SLOPES AND A MINIMUM OF 6" OF STONE OVER THE PIPE, PIPE HAS TO BE SIZED ACCORDING TO THE DRAINAGE. WHEN THE SCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY A PIPE WILL NOT BE NECESSARY. PIPE SHOULD BE SIZED ACCORDING TO THE AMOUNT OF RUNOFF TO BE CONVEYED. A 6" MINIMUM WILL BE REQUIRED. 6. LOCATION - A STABILIZED CONSTRUCTION ENTRANCE SHALL BE LOCATED AT EVERY POINT WHERE CONSTRUCTION TRAFFIC ENTERS OR LEAVES A CONSTRUCTION SITE, VEHICLES LEAVING THE SITE MUST TRAVEL OVER THE ENTIRE LENGTH OF THE STABILIZED CONSTRUCION ENTRANCE.

VANBORINE PLACE

SEDIMENT CONTROL NOTES AND DETAILS SINGLE FAMILY DWELLINGS AND THE SHARED DRIVEWAY WHICH CROSSES AND SERVES THE EXISTING DWELLING ON LOT

JUNE 2005 TAX MAP 16, GRID 23 PARCEL 12 2 nd. ELECTION DISTRICT HOWARD COUNTY, MARYLAND

County File No. SDP-05-126

SHEET 2 OF 4

APPROVED DEPARTMENT OF PLANNING & ZONING CHIEF, DIVISION OF LAND DEVELOPMENT CHIEF, DEVELOPMENT ENGINEERING DIVISION DIRECTOR

ENGINEER'S CERTIFICATE

THEREBY 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 IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOMARD SOIL CONSERVATION DISTRICT."

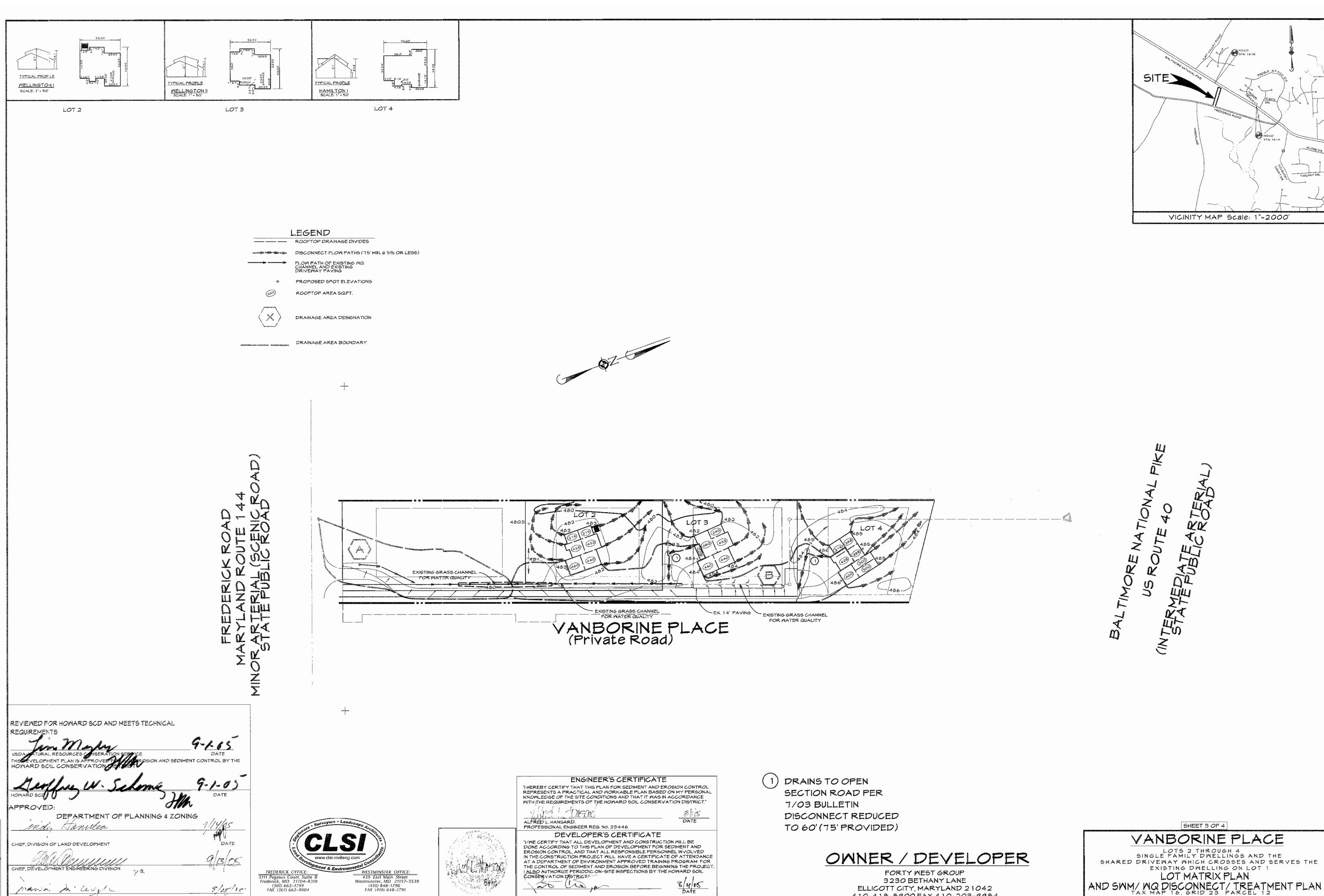
ALPRED L. HANSARD. PROPESSIONAL ENGINEER REG. No. 23446 DEVELOPER'S CERTIFICATE

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"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE

CONSERVATION DISTRICT."



410-418-8900 FAX 410-203-9984

2 nd. ELECTION DISTRICT HOWARD COUNTY, MARYLAND County File No. SDP-05-126

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VICINITY MAP Scale: 1"=2000"

SOIL		HYDROLOGIC
SYMBOL	SOIL SERIES	SOIL GROUP
ChA	CHESTER SILT LOAM	В
ChC2	CHESTER SILT LOAM	В
ChB2	CHESTER SILT LOAM	В
MgC2	MANOR GRAVELLY LOAM	В
MID2	MANOR LOAM	В
MID3	MANOR LOAM	В
GnA*	GLENVILL SILT LOAM	C

* HYDRIC SOIL

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REQUIREMENTS	
Jan Mayry 9-1-05	
USDA NATURAL RESOURCES CONSERATION SERVICE DATE THE DEVELOPMENT PLAN IS APPROVED FOR AND SEDIMENT CONTROL BY THE HOWARD SCIL CONSERVATION DISTRICT.	
HOWARD SOIL CONSERVATION DISTANT.	
Listle W. Selmin 9-1-05	
HOWARD SCI.	
APPROVED:	
DEPARTMENT OF PLANNING & ZONING	
(mol. Hannie 9/14/05	
CHIEF, DIVISION OF LAND DEVELOPMENT DATE	
MIN Olymen 9/305	
CHIEF, DÊVELOPMENT ÊNĞINEERÎNG DÎVÎSÎON	7
Marie d'agree 3/25/45	
DIRECTOR DATE	

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL





ſ	ENGINEER'S CERTIFICATE
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Ì	June L-Compane Blubs
	ALÉRED L. HANSARD, DATE
<u></u>	PROFESSIONAL ENGINEER REG. No. 23446
Co before	DEVELOPER'S CERTIFICATE
	"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT 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 ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE BERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL
	CONSERVATION DISTRICT." S/W/OC DATE

OWNER / DEVELOPER

FORTY WEST GROUP 3230 BETHANY LANE ELLICOTT CITY, MARYLAND 21042 410-418-8900 FAX 410-203-9984 SHEET 4 OF 4

VANBORINE PLACE

LOTS 2 THROUGH 4
SINGLE FAMILY DWELLING AND THE
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SOILS PLAN

TAX MAP 16, GRID 23 PARCEL 12 2 nd. ELECTION DISTRICT HOWARD COUNTY, MARYLAND

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