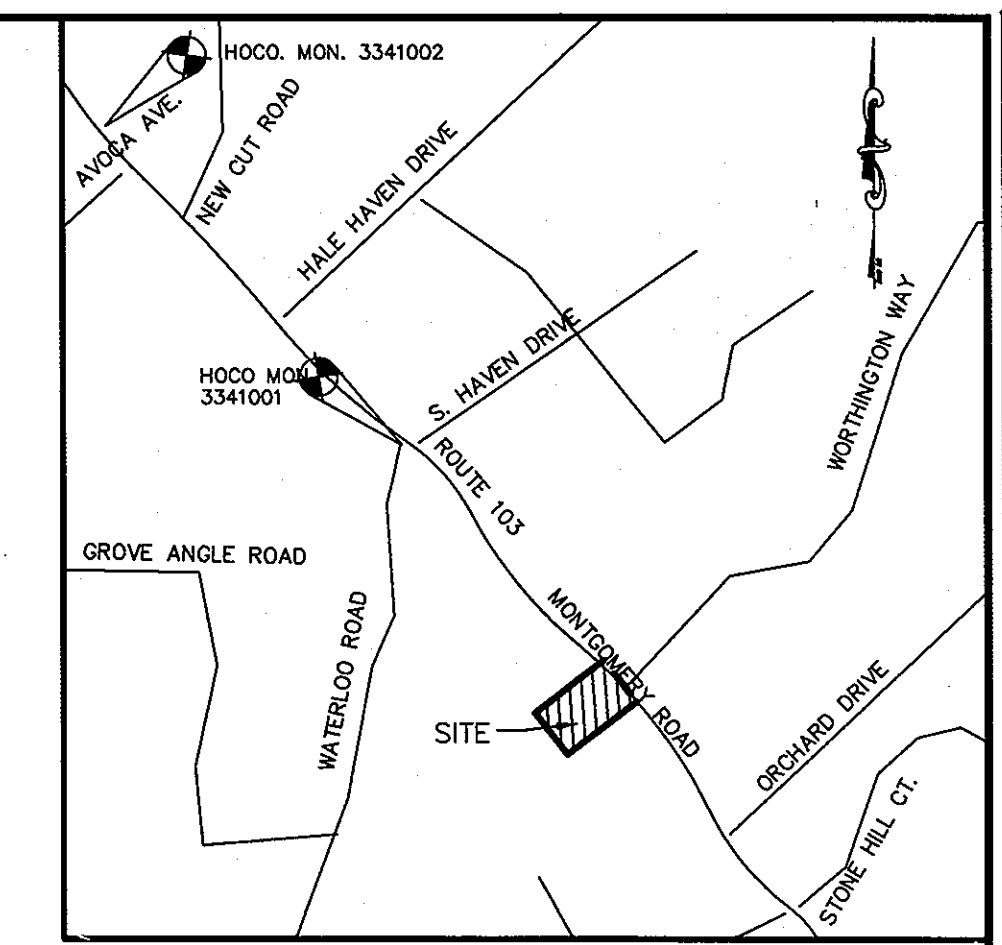


BENCH MARKS
 MONUMENTS FOR HORIZONTAL CONTROL:
 HOCO. MONUMENT 3341002 N. 592,133.631 E. 1,352,934.47
 HOCO. MONUMENT 3341001 N. 590,226.900 E. 1,352,616.662
 MONUMENT FOR VERTICAL CONTROL:
 BM # 901, 5/8" DIAMETER REBAR AND CAP SET
 FLUSH WITH GROUND
 ELEV. 502.74

SITE ANALYSIS CHART
 a. Total project area: 1.1646 Acres OR 50,730 sq ft
 b. Area of plan submission: 1.1646 Acres OR 50,730 sq ft
 c. Limit of disturbed area: 0.45 Acres
 d. The subject property is zoned R-20
 e. Proposed use for site: Single Family Detached
 f. Floor Space on each level: 2,000 sq ft
 g. Total Number of units allowed: 1
 h. Total Number of units on submission: 1
 i. Minimum number of employees: n/a
 j. Parking Requirements: n/a
 k. Parking spaces provided: n/a
 l. Open Space: 0.709 Acres
 m. Recreation Open Space required: n/a
 n. Building Coverage: 0.12 Acres
 o. Applicable DPZ File references: F-08-120

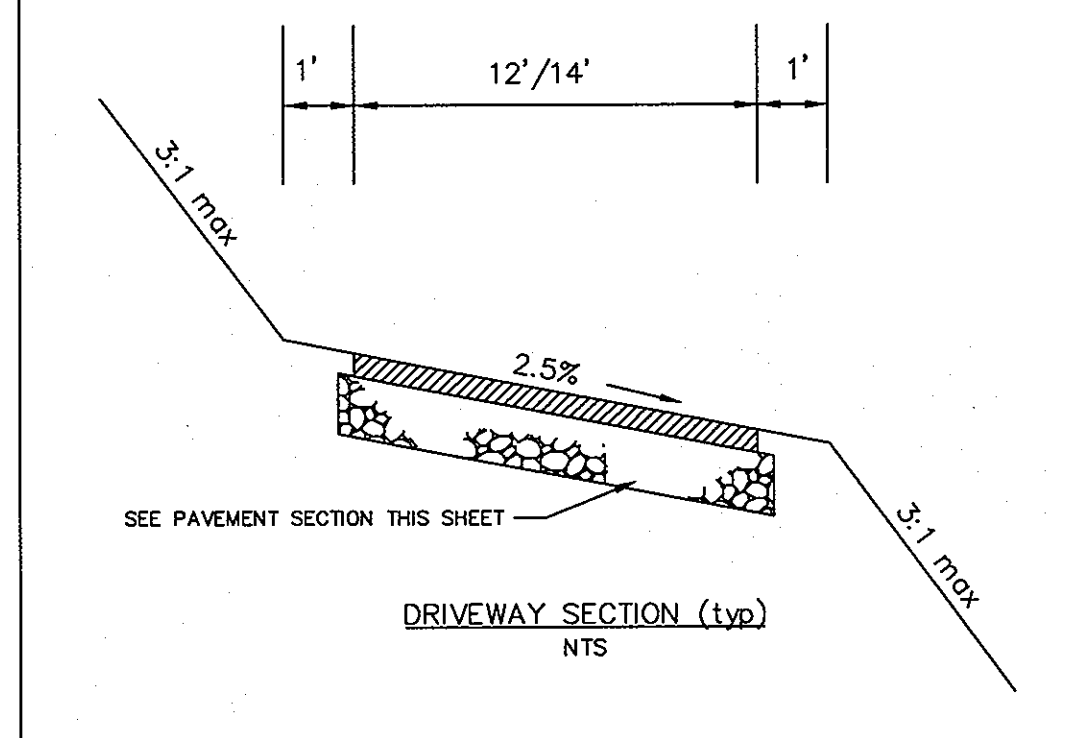


SHEET INDEX

SHEET No.	DESCRIPTION
SHEET 1	SITE DEVELOPMENT & SEDIMENT/EROSION CONTROL PLAN
SHEET 2	SEDIMENT/EROSION CONTROL NOTES & DETAILS

LEGEND

SYMBOL	DESCRIPTION
(Dashed line)	EXISTING CONTOUR 2' INTERVAL
(Number)	+362.2 PROPOSED SPOT ELEVATION
(Pattern)	PROPOSED MACADAM
(Line with dots)	SILT FENCE
(Line with dashes)	USE IN COMMON EASEMENT=UIC
(Line with circles)	LIMIT OF DISTURBANCE
(Tree symbol)	PROPOSED TREES TAKEN FROM F-06-120
(Circle with cross)	BENCHMARK
(Square with X)	TO BE REMOVED
(Wavy line)	EXISTING TREE LINE
(Dashed line)	SOILS DIVIDE
(Line with 'SCE')	STABILIZED CONSTRUCTION ENTRANCE SCE



SOILS TABLE

SYMBOL	SOIL DESCRIPTION	HSG
AgB2	AURA GRAVELLY LOAM, 1 TO 5% SLOPES MODERATELY ERODED	B
ScE	SANDY AND CLAYEY LAND, MODERATELY STEEP	B
SfC2	SASSAFRASS GRAVELLY AND SANDY LOAM	B

TREE CHART

SYMBOL	QTY	BOTANICAL NAME	SIZE	ROOT
(Tree symbol)	4	ACER RUBRUM/RED MAPLE	2 1/2" - 3" CAL.	B & B
(Tree symbol)	1	JAPANESE RED MAPLE	2 1/2" - 3" CAL.	B & B

ADDRESS CHART

LOT NUMBER	STREET ADDRESS
2	4940 MONTGOMERY ROAD

SCEDULE A-LANDSCAPE CHART

CATEGORY	PERIMETER EDGE			TOTAL
	P-1 (A)	P-2 (A)	P-3 (A)	
LANDSCAPE TYPE	196	259	320	775'
LINEAR FEET OF PERIMETER	196	259	30'	485'
CREDIT FOR EXISTING VEGETATION	0	0	290	290'
REQUIRED LINEAR FEET AFTER CREDIT	0	0	5	5'
NUMBER OF SHADE TREES REQUIRED	0	0	5	5
NUMBER OF SHADE TREES PROVIDED	0	0	5	5

BUILDER/DEVELOPER'S CERTIFICATE

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

Bettina W. Washington & Don R. Washington 7/21/08
 BETTINA W. WASHINGTON AND DON R. WASHINGTON DATE

ENGINEER'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 and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

John R. Heinrichs, P.E.
 Signature of Engineer JOHN R. HEINRICHS, P.E. Date 7/21/08

BUILDER/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 any 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.

Don R. Washington & Bettina W. Washington 7/21/08
 Signature of Developer DON R. WASHINGTON & BETTINA W. WASHINGTON Date

PREPARED BY:
 MARKS & ASSOCIATES LLC
 4531 College Avenue, Ellicott City, Maryland 21043
 phone 410-747-8738
 fax 410-747-8547

OWNER/DEVELOPER/BUILDER
 Don R. Washington & Bettina W. Washington
 4942 Montgomery Road
 Ellicott City, Maryland 21043
 (410) 461-1701

Reviewed for HOWARD SCD and meets Technical Requirements.

U.S.D.A. - Natural Resources Conservation Service Date 7-24-08

This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.

Heather W. Schomberg 7-24-08
 Howard

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Conde Hamer 7/20/08
 Chief, Division of Land Development Date

John W. Schomberg 7/30/08
 Chief, Development Engineering Division N.Y. Date

John W. Schomberg 5/14/08
 Director - Department of Planning and Zoning Date

PROJECT: WOMBLE PROPERTY SECTION: N/A LOT NO.: 2

PLAT	BLOCK NO.	ZONE	TAX/ZONE	ELEC. DIST.	CENSUS TR.
18808	14	R-20	31	1 ST	6011.02

WATER CODE: H-08 SEWER CODE: 5990000

SITE DEVELOPMENT & SEDIMENT/EROSION CONTROL PLAN

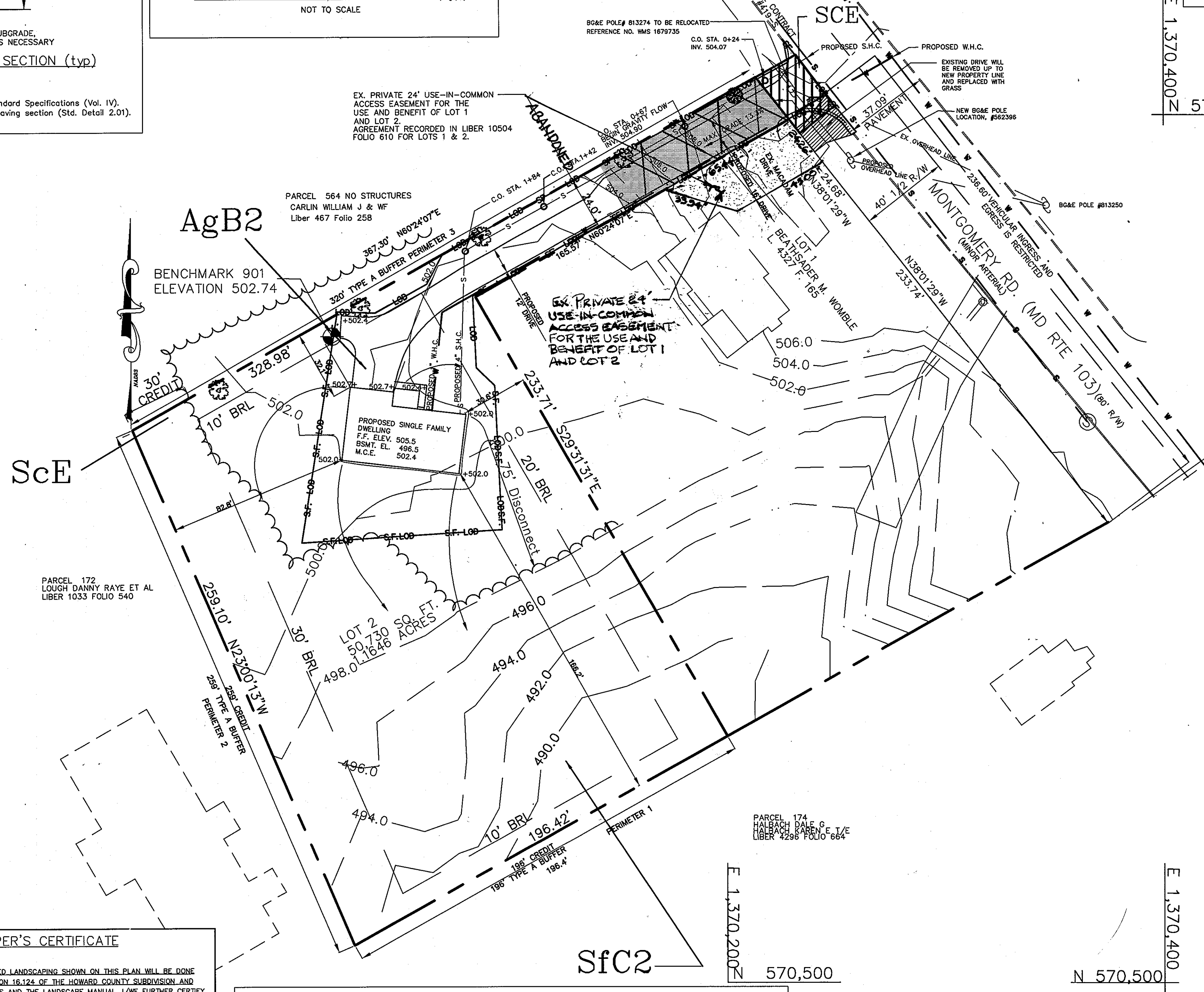
SINGLE FAMILY DETACHED

WOMBLE PROPERTY

LOT 2

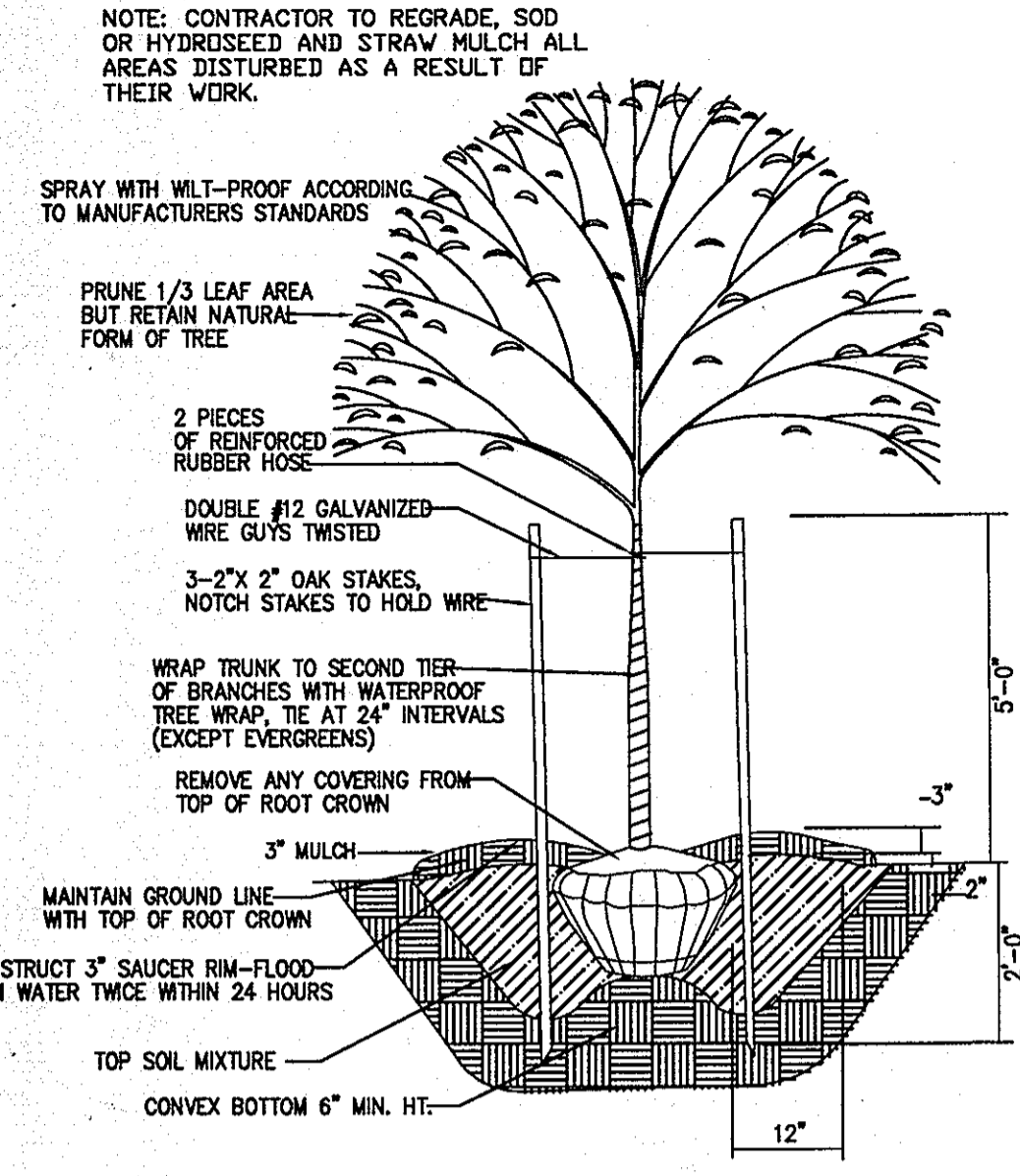
TAX MAP NO: 31 PARCEL NO: 566 GRID NO.: 14
 FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1" = 30' DATE: APRIL 30, 2008

SHEET 1 OF 2

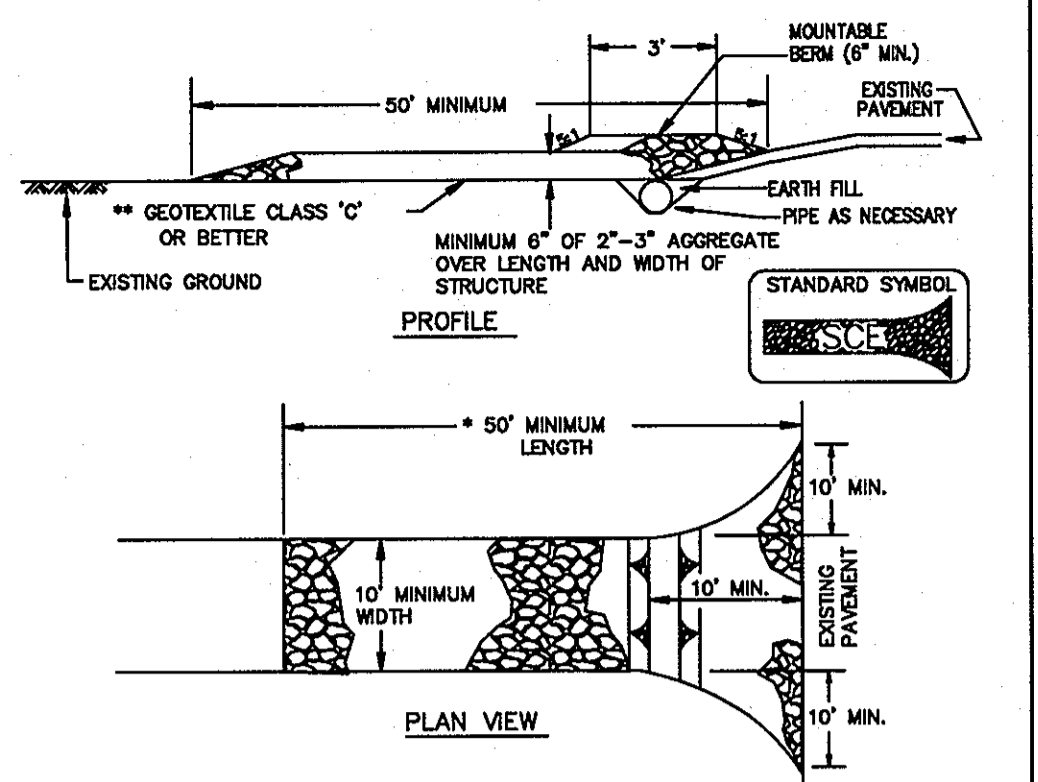


- GENERAL NOTES**
- SUBJECT PROPERTY ZONED R-20 PER THE FEBRUARY 2, 2004 COMPREHENSIVE RE-ZONING PLAN AND PER THE COMP LITE ZONING REGULATIONS AND AMENDMENTS EFFECTIVE 7/28/06
 - TOTAL AREA OF BUILDABLE LOTS: 1.164 ACRES
 - TOTAL NUMBER OF LOTS SUBMITTED: 1 SINGLE FAMILY DETACHED
 - THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION INSPECTION DIVISION AT (410)313-1880 AT LEAST 24 HOURS PRIOR TO THE START OF WORK
 - THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION
 - RELATED HOWARD COUNTY FILES FOR THIS PROJECT: F-08-120 WATER CONTACT #64W SEWER CONTRACT 419S
 - CONSTRUCTION SHALL FOLLOW THE HOWARD COUNTY STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (VOL. IV) AND OTHER CONSTRUCTION AND BUILDING CODES AS APPLICABLE
 - TOPOGRAPHY AND BOUNDARY ARE BASED ON A FIELD-RUN SURVEY PERFORMED AND CERTIFIED BY MARKS & ASSOCIATES, LLC (ELICOTT CITY, MD) DATED SEPTEMBER, 2004.
 - PER PLAN 18808 PREPARED BY MARKS & ASSOCIATES, INC.; HORIZONTAL DATUM IS BASED ON NAD 83 MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS. SEE BENCH MARK NOTES THIS SHEET SUPPLIED BY MARKS & ASSOCIATES, LLC.
 - ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE
 - MINIMUM BASEMENT ELEVATION FOR SEWER SERVICE IS 502.40 USING A 2% GRADE BASED ON AVAILABLE AS-BUILT INFORMATION. CONTRACTOR SHALL VERIFY THIS ELEVATION PRIOR TO SCHEDULING SUC CONSTRUCTION
 - STORMWATER MANAGEMENT WILL BE HANDLED BY ROOF TOP DISCONNECTS AND NON ROOF TOP DISCONNECTS AS SHOWN ON THE PLAN
 - LANDSCAPING FOR LOT 2 IS PROVIDED IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING FOR 5 SHADE TREES ON LOT 2 IN THE AMOUNT OF \$1,500.00 SHALL BE POSTED WITH THE GRADING PERMIT.
 - A FEE IN LIEU IN THE AMOUNT OF \$13,939.20 WAS PAID WHEN PLAN NO. F-06-120 (WOMBLE PROPERTY) WAS APPROVED TO SATISFY THE REQUIREMENTS OF FOREST CONSERVATION PER SECTION 16.1200 OF THE HOWARD COUNTY CODE AND FOREST CONSERVATION MANUAL.
 - FOR DRIVEWAY ENTRANCE DETAILS REFER TO HOCO DESIGN MANUAL (VOL. IV) DETAIL R.6.06
 - THIS SITE DEVELOPMENT PLAN IS FOR ONE (1) SINGLE FAMILY DETACHED UNIT.
 - IN ACCORDANCE WITH SECTION 128 (A)(1) OF THE HOCO ZONING REGULATION, BAY WINDOWS, CHIMNEYS OR EXTERIOR STAIRWAYS NOT MORE THAN 18 FEET IN WIDTH MAY PROJECT NOT MORE THAN 4 FEET INTO ANY SETBACK, PORCHES OR DECKS, OPEN OR ENCLOSED MAY PROJECT NOT MORE THAN 10 FEET INTO THE FRONT OR REAR YARD SETBACKS.
 - REUSE COLLECTION, SNOW REMOVAL, AND ROAD MAINTENANCE TO BE PROVIDED AT THE JUNCTION OF THE PIPE/FLAG STEM AND THE ROAD RIGHT-OF-WAY AND NOT ONTO THE FLAG/PIPE STEM DRIVEWAY.
 - USE-IN-COMMON DRIVEWAYS SHALL BE PROVIDED PRIOR TO ISSUANCE OF A USE AND OCCUPANCY PERMIT TO ENSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING (MINIMUM) REQUIREMENTS:
 A) WIDTH - 12 FEET (16 FEET SERVING MORE THAN ONE RESIDENCE)
 B) SURFACE - SIX (6") INCHES OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING (1-1/2" MINIMUM)
 C) GEOMETRY - MAXIMUM 15% GRADE, MAXIMUM 1/8" GRADE CHANGE AND 45-FOOT TURNING RADIUS
 D) STRUCTURE - COLUMNS/BRIDGES - CAPABLE OF SUPPORTING 25 GROSS TONS (452,000 LBS)
 E) DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100-YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER SURFACE
 F) STRUCTURE CLEARANCE - MINIMUM 12 FEET
 G) MAINTENANCE - SUFFICIENT TO ENSURE ALL WEATHER USE
 - ACCESS TO LOT 2 SHALL BE IN ACCORDANCE WITH THE EXISTING 24' WIDE USE-IN-COMMON ACCESS EASEMENT AGREEMENT RECORDED IN LIBER 10504, FOLIO 610 FOR LOTS 1 & 2.
 - NO CEMETERIES EXIST ON-SITE PER VISUAL OBSERVATION.
 - NO WETLANDS EXIST ON-SITE PER REPORT PREPARED BY LYNN S. GUILLEY, DATED 4/4/2003.
 - MARKS & ASSOCIATES, LLC HAS NOT PERFORMED A SUB-SURFACE INVESTIGATION TO DETERMINE LOCATIONS OF ROCK, SOIL CONDITIONS, WATER TABLE, UTILITY CONDUITS, ETC.
 - APPROXIMATE UTILITY LOCATIONS ARE SHOWN FROM F-08-120 AND FROM AVAILABLE RECORDS. THE CONTRACTOR SHALL TEST PIT ALL KNOWN EXISTING UTILITIES TO VERIFY SIZE, LOCATION, SHAPE, TYPE TO HIS/HER SATISFACTION PRIOR TO CONSTRUCTION. UTILITY RELOCATIONS ARE THE RESPONSIBILITY OF THE OWNER, WHETHER SHOWN OR NOT. ANY UTILITY DAMAGED DUE TO CONSTRUCTION MUST BE REPAIRED IMMEDIATELY.
 - SHOULD THE CONTRACTOR DISCOVER DISCREPANCIES BETWEEN THE PLAN AND FIELD CONDITIONS, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY TO RESOLVE THE SITUATION. THE CONTRACTOR ASSUMES RESPONSIBILITY FOR ALL FIELD CORRECTIONS IF THE ENGINEER IS NOT IMMEDIATELY NOTIFIED.
 - SEWER SERVICE FOR FIRST FLOOR AND BASEMENT TO BE PROVIDED BY A PRIVATE ON-SITE PUMP.
 - THIS PLAN IS SUBJECT TO THE AMENDED 5TH ADDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS PER COUNCIL BILL #45-2003 AND THE ZONING REGULATIONS AS AMENDED UNDER COUNCIL BILL #75-2003. DEVELOPMENT OR CONSTRUCTION ON THIS LOT MUST COMPLY WITH SETBACK AND BUFFER REGULATIONS IN EFFECT AT THE TIME OF SUBMISSION OF THE SITE DEVELOPMENT PLAN, WAIVER PETITION APPLICATION OR BUILDING/GRADING PERMIT.
 - ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
 - THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
 - THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL, WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM, HOWARD COUNTY MONUMENT NOS. 31A3 AND 31B4. STATIONS
 - A FLOOD PLAIN STUDY WAS NOT REQUIRED FOR THIS SITE.
 - A TRAFFIC STUDY WAS NOT REQUIRED FOR THIS SITE.
 - A NOISE STUDY WAS NOT REQUIRED FOR THIS SITE.
 - EXISTING DRIVEWAY TO BE REMOVED ON COMPLETION OF CONSTRUCTION FOR NEW DRIVEWAY.
 - THE DEVELOPER IS REQUIRED TO OBTAIN AN SHA ACCESS PERMIT PRIOR TO THE APPROVAL OF THE BUILDING PERMIT.

SDP 08-218



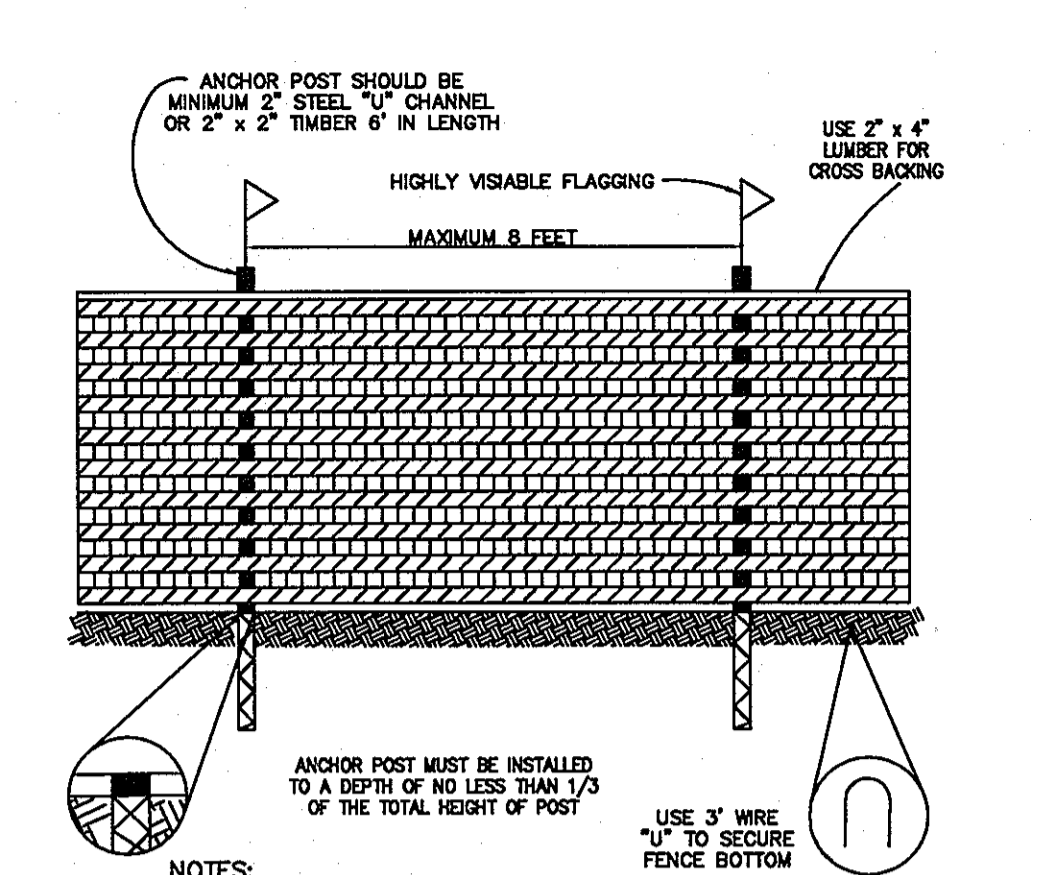
TREE PLANTING DETAIL NOT TO SCALE



Construction Specifications

- Length - minimum of 50' (90' for slope retention).
- Width - 10' minimum, should be flared at the existing road to provide a turning radius.
- Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. When plan approval authority may not require slope stability reasons to use geotextile.
- Stone - graded aggregate equivalent shall be placed at least 6\"/>

STABILIZED CONSTRUCTION ENTRANCE NOT TO SCALE



NOTES:

- FOREST PROTECTION DEVICE ONLY.
- RETENTION AREA WILL BE SET AS PART OF THE REVIEW PROCESS.
- BOUNDARIES OF RETENTION AREA SHOULD BE STAKED AND FLAGGED PRIOR TO INSTALLING DEVICES.
- ROOT DAMAGE SHOULD BE AVOIDED.
- PROTECTIVE SIGNAGE MAY ALSO BE USED.
- DEVICES SHOULD BE MAINTAINED THROUGHOUT CONSTRUCTION.

TREE PROTECTION DETAIL NOT TO SCALE

STANDARDS AND SPECIFICATIONS FOR TOPSOIL FOR SITES UNDER 5 ACRES

Definition
Placement of topsoil over a prepared subsoil prior to establishment of permanent vegetation.

Purpose
To provide a suitable soil medium for vegetative growth. Soils of concern have low moisture content, low nutrient levels, low pH, materials toxic to plants, and/or unacceptable soil gradation.

Conditions Where Practice Applies

- This practice is limited to areas having 2:1 or flatter slopes where:
 - The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.
 - The soil material is so shallow that the rooting zone is not deep enough to support plants or furnish continuing supplies of moisture and plant nutrients.
 - The original soil to be vegetated contains material toxic to plant growth.
 - The soil is so acidic that treatment with limestone is not feasible.
- For the purpose of these Standards and Specifications, areas having slopes steeper than 2:1 require special consideration and design for adequate stabilization. Areas having slopes steeper than 2:1 shall have the appropriate stabilization shown on the plans.

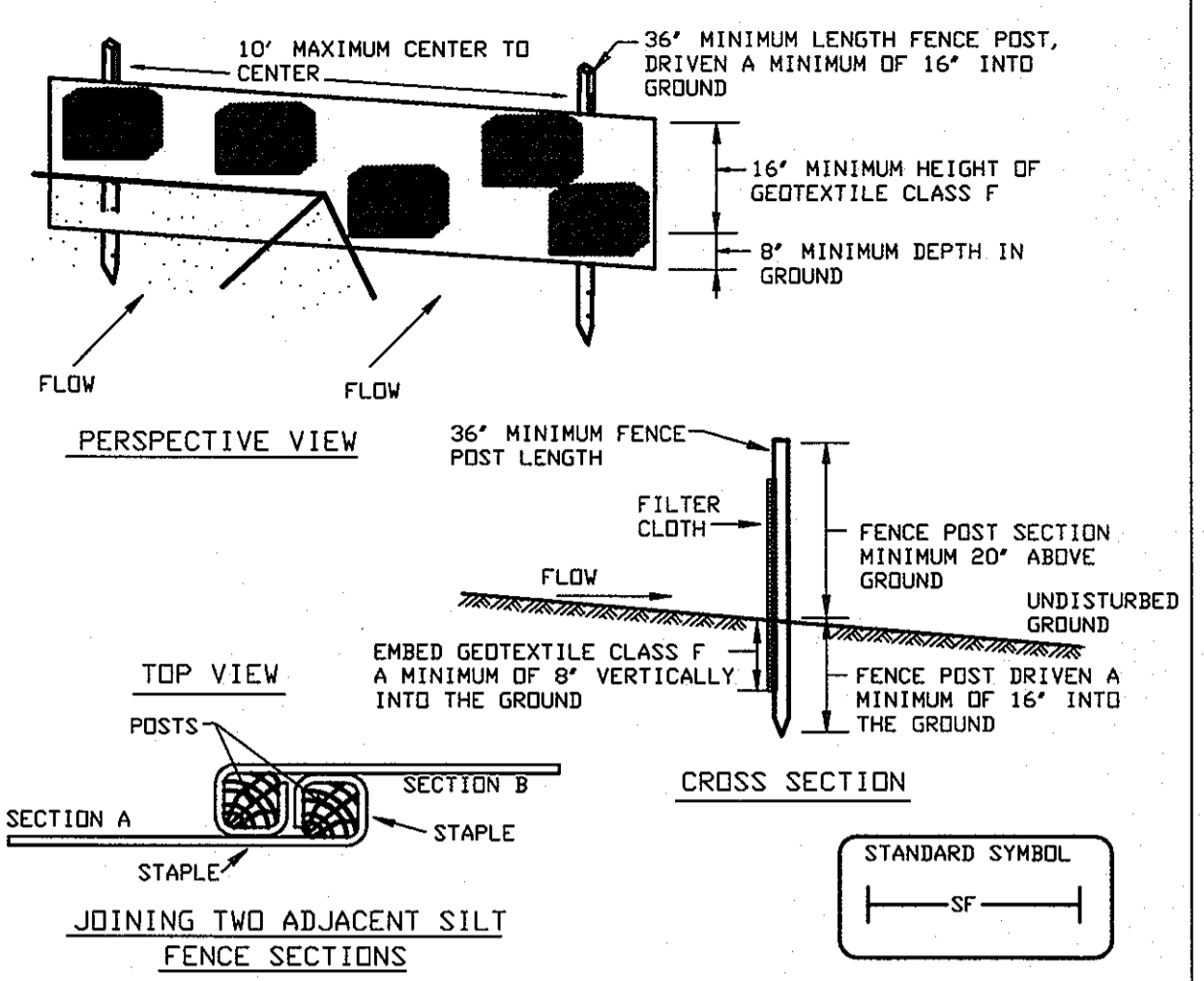
Construction and Material Specifications

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 Experimental Station.

II. Topsoil Specifications - Soil to be used as topsoil must meet the following:

- 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 soils and shall contain less than 5% by volume of cinders, stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger than 1.5\"/>

DETAIL 22 - SILT FENCE



Construction Specifications

- Fence posts shall be a minimum of 36\"/>

Tensile Strength	50 lbs/in (min.)	Test: MSMT 509
Tensile Modulus	20 lbs/in (min.)	Test: MSMT 509
Flow Rate	0.3 gal ft ² /minute (max.)	Test: MSMT 322
Filtering Efficiency	75% (min.)	Test: MSMT 322

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE E-15-3 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

TEMPORARY SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM 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:
APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1,000 SQ.FT.)

SEEDING:
FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 1+ BUSHEL PER ACRE OF ANNUAL RYE (3.2 LBS./ACRE OF WEEPING LOVEGRASS (.07 LBS./1,000 SQ.FT. FOR THE PERIOD NOVEMBER 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 SOO.

MULCHING:
APPLY 1 TO 2 TONS PER ACRE (70 TO 90 LBS./1,000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL./1,000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT ACRES ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL./1,000 SQ.FT.) FOR ANCHORING.

REFER TO THE 1988 MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED ABOVE.

PERMANENT SEEDING NOTES

ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS.

SEEDBED PREPARATION:
LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

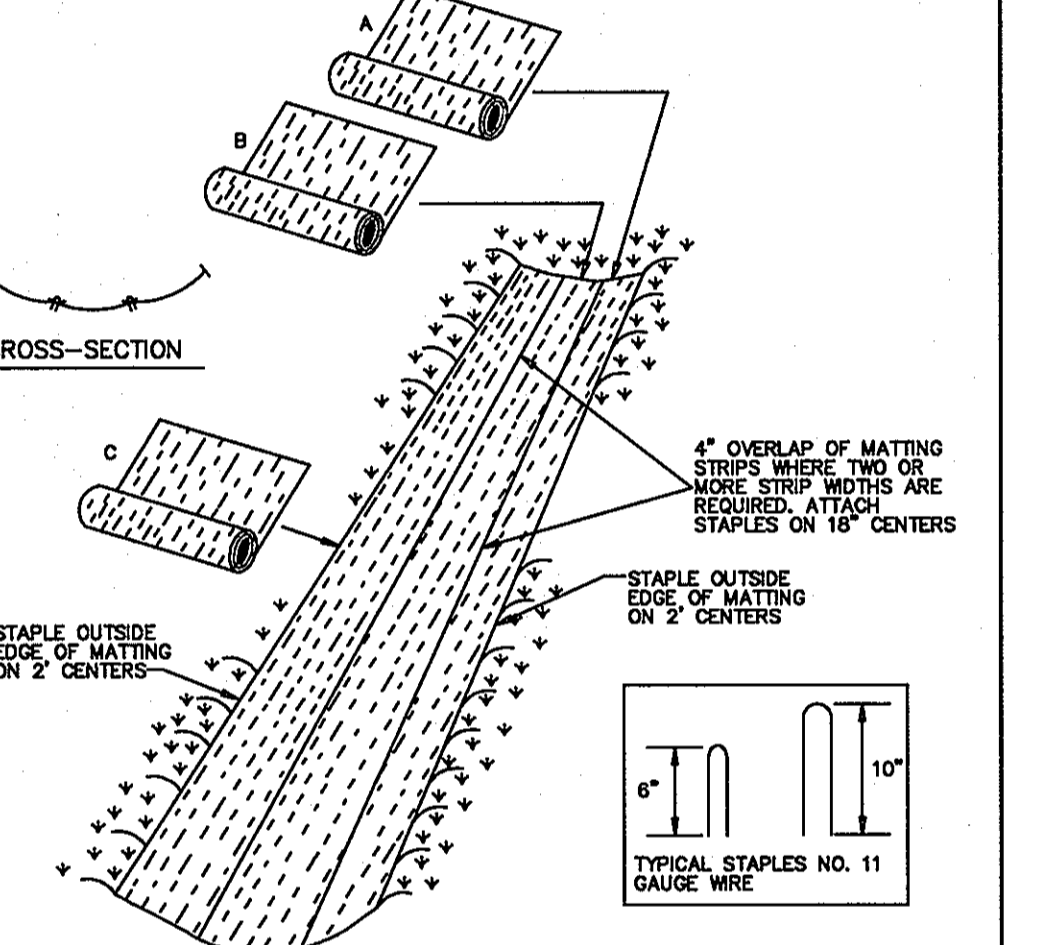
SOIL AMENDMENTS:
APPLY TWO TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1,000 SQ.FT.) AND 600 LBS. PER ACRE 0-20-20 FERTILIZER (14 LBS./1,000 SQ.FT.) BEFORE SEEDING HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 38-0-0 UREAFORM FERTILIZER (9 LBS./1,000 SQ.FT.) AND 500 LBS. PER ACRE (11.5 LBS./1,000 SQ.FT.) OF 10-20-20 FERTILIZER.

SEEDING:
FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 100 LBS. PER ACRE (2.3 LBS./1,000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE, FOR MAY 1 THROUGH JULY 31, SEED WITH 60 LBS./ACRE (1.4 LBS./1,000 SQ.FT.) KENTUCKY 31 TALL FESCUE AND 2 LBS. PER ACRE (0.05 LBS./1,000 SQ.FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THROUGH FEBRUARY 28, PROJECT 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 SOO; OPTION (3) - SEED WITH 100 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH TWO TONS/ACRE WELL ANCHORED STRAW. ALL SLOPES SHOULD BE HYDROSEEDED.

MULCHING:
APPLY 1 TO 2 TONS PER ACRE (10 TO 90 LBS./1,000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE (5 GAL./1,000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT ACRES, ON SLOPES 8 FEET OR HIGHER USE 348 GALLONS PER ACRE (8 GAL./1,000 SQ.FT.) FOR ANCHORING.

MAINTENANCE:
INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDING.

NOTE: FOR PUBLIC PONDS SUBSTITUTE CHEMUNG CROWN VETCH AT 15 LBS./ACRE AND KENTUCKY 31 TALL FESCUE AT 40 LBS./ACRE AS THE SEEDING REQUIREMENT. OPTIMUM SEEDING DATE FOR THIS MIXTURE IS MARCH 1 TO APRIL 30.



Construction Specifications

- Key-in the matting by placing the top ends of the matting in a narrow trench, 6\"/>

EROSION CONTROL MATTING NOT TO SCALE

SEQUENCE OF CONSTRUCTION

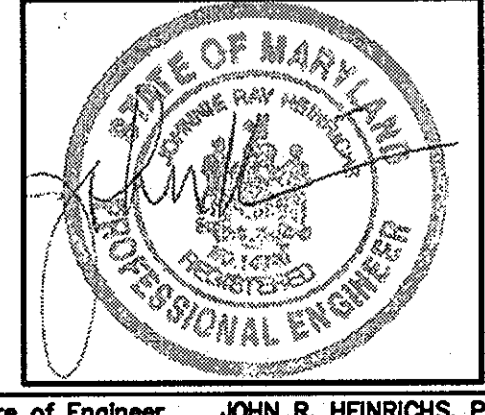
- OBTAIN GRADING PERMIT
- NOTIFY HOWARD COUNTY D.I.L.P. (410-313-1330) AND MISS UTILITY (800-257-7777) AT LEAST TWO (2) DAYS PRIOR TO BEGINNING WORK. (7 DAYS)
- INSTALL PERIMETER SEDIMENT AND EROSION CONTROL DEVICES (SILT FENCE, S.C.E., TREE PROTECTION FENCING). (2 DAYS)
- CLEAR AND GRUB AND BEGIN SITE GRADING WITHIN LIMITS OF DISTURBANCE. (10 DAYS)
- INSTALL TEMPORARY SEEDING. (2 DAYS)
- CONSTRUCT HOUSE AND DRIVEWAY. (120 DAYS)
- REMOVE EXISTING DRIVE TO 4942 MONTGOMERY ROAD.
- FINE GRADE AND INSTALL PERMANENT SEEDING AND LANDSCAPING. (14 DAYS)
- WHEN ALL UPSTREAM AREAS HAVE BEEN STABILIZED (I.E. HAVE ESTABLISHED VEGETATION OR IS PAVED), INSTALL GRASS CHANNELS, AND RELATED PLANTINGS. (14 DAYS)
- WITH PERMISSION OF THE S.E.C. INSPECTOR, REMOVE SEDIMENT CONTROL DEVICES AND STABILIZE AREAS DISTURBED BY THIS PROCESS. (5 DAYS)

SEDIMENT CONTROL NOTES

- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSING AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (315-1855).
- 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.
- 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 STEEPER 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 12, OF THE 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 (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.
- 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.

ENGINEER'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 and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."



Signature of Engineer JOHN R. HEINRICHS, P.E. Date 7/24/08

PREPARED BY:

MARKS & ASSOCIATES LLC
4531 College Avenue, Ellicott City, Maryland 21043
phone 410-747-8738
fax 410-747-8547

BUILDER/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 any 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 DON R. WASHINGTON & BETTINA W. WASHINGTON Date 7/24/08

Reviewed for HOWARD SOD and meet Technical Requirements.

U.S.D.A. - Natural Resources Conservation Service Date 7/24/08

This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT. Date 7-24-08

OWNER/DEVELOPER/BUILDER

Don R. Washington & Bettina W. Washington
4942 Montgomery Road
Ellicott City, Maryland 21043
(410) 461-1701

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Chief, Division of Land Development Date 7/24/08

Chief, Department of Engineering Division Date 7/24/08

Director - Department of Planning and Zoning Date 8/1/08

PROJECT	SECTION	LOT NO.
WOMBLE PROPERTY	N/A	2
PLAT	BLOCK NO.	ZONE
1880B	14	R-20
TAX/ZONE	ELEC. DIST.	CENSUS TR.
31	1 ST	6011.02
WATER CODE	SEWER CODE	
H-08	5990000	

SEDIMENT/EROSION CONTROL NOTES & DETAILS

SINGLE FAMILY DETACHED

WOMBLE PROPERTY

LOT 2
TAX MAP NO: 31 PARCEL NO.: 566 GRID NO.: 14
FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1"= 30' DATE: APRIL 30, 2008
SHEET 2 OF 2