	50IL5 LEGEND		
50IL	NAME	CLA55	K FACTOR
GbA	Gladstone loam, 0 to 3 percent slopes	В	0.28
GmC	Glenville silt loam, 0 to 15 percent slopes	E	0.43

	5TORMWA	ITER MAN	IAGEMENT SUMMARY
area id.	E50v Required Cu.ft.	E5Dv PROVIDED CU.FT.	REMARK5
SITE	3,958	4,051	DRY WELLS (M-5), GRASS SWALE (M-8 AND ROOFTOP DISCONNECTIONS (N-1)
TOTAL	3,958	4,051	

GROSS AREA = 3.03 ACRES LOD = 2.74 ACRES RCN = 57.9TARGET Pe = 1.4"

#### DESIGN NARRATIVE

Volumes I and II (effective October 2000, revised May 2009) will be satisfied on this project. The goal of creating hydrology similar to that of "Woods in Good Condition" will be accomplished through the use of the practices contained within Chapter 5 of said manual. The achievement of this goal will remove the requirement of providing Channel Protection Volume.

- Terry's Place is a six lot single family lot subdivision including one existing house and existing accessory structures to be removed. Property is zoned R-20 and located on Tax Map 16, Grid 23, Parcel No. 17, Lot 2 of the Howard County, Maryland Tax Map Database System. The property is an existing lot of record located at 10778 Frederick Road. Subdivision will utilize a proposed public water and sewer extension. The property is located in the Ellicott City area of Howard County in the watershed of an unnamed tributary of the Little Patuxent River (02131105). This property is relatively rectangular in shape and runoff on-site is mainly from west to east. The existing houses sit at the high point of the lots, and existing driveway will be widened to 16 feet and is located at a high point in Frederick Road. No forest exists on-site. Also, according to a field inspection conducted by Eco-Science Professionals (ESP) dated September 2014, no wetlands or streams are present on-site. The Web Soil Survey shows soils on the site consist of Gladstone loam (GbA), Type "B" soils and Glenville silt loam (GmC), Type "C" soils exist on the property. The runoff from the roofs of the proposed houses is to be directed overland and be treated by rooftop disconnection and through roof leaders to eleven (13) dry wells to be located on Lots 1 thru 6 in the front and rear of the proposed houses. Runoff from the proposed
- Environmentally sensitive areas do not exist on-site (steep slopes, wetlands, wetland buffer, floodplain, stream, and stream buffer), therefore no effort to protect natural resources on-site is required.
- II. Maintenance of Natural Flow Patterns: It is the intent of the proposed design to discharge runoff similar to the characteristics and direction of this site prior to any of the proposed improvements.
- III. <u>Reduction of impervious areas through better site design. alternative surfaces and Nonstructural Practices</u> The design of this project utilizes a common driveway and individual driveways for the two new lots. Non-Structural practices as permitted in Chapter 5, eleven (11) Dry Wells (M-5), Grass Swale (M-8). and Rooftop Disconnection (N-1) will be used to address ESD to the MEP requirements.
- IV. Integration of Erosion and Sediment Controls into Stormwater Strategy: Since this is a small drainage area (site sheet flows from the common driveway (along east property) to western property line, silt fence, super silt fence, and erosion control matting will be utilized for erosion & sediment control. There is no direct discharge of runoff directly to a stream. All site runoff will discharge to the the existing ground then eventually to the Little Patuxent River. No drainage easements will be required. It is anticipated that all cut will be utilized on-site for construction at time of Site
- V. Implementation of ESO Planning Techniques and practices to the Maximum Extent Practicable (MEP) The full required E50 volume is being provided.
- VI. Request for a Design Manual Waiver:
- No Waivers related to stormwater management are being requested in this project.

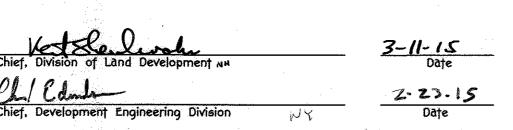
### SITE ANALYSIS DATA CHART

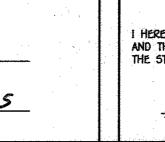
A. TOTAL AREA OF THIS SUBMISSION = 3.03 AC.±.
B. LIMIT OF DISTURBED AREA = 2.74 Ac.± PRESENT ZONING DESIGNATION = R-20 (PER 10/06/2013 COMPREHENSIVE ZONING PLAN) D. PROPOSED USE: RESIDENTIAL PREVIOUS HOWARD COUNTY FILES: F-80-15; VP-79-87. TOTAL AREA OF FLOODPLAIN LOCATED ON SITE = 0.00 AC. TOTAL AREA OF SLOPES IN EXCESS OF 15% = 0.00 AC. TOTAL AREA OF WETLANDS (INCLUDING BUFFER) = 0.00 AC. TOTAL AREA OF EXISTING FOREST = 0.00 AC. TOTAL GREEN OPEN AREA = 2.36 AC. ± . TOTAL IMPERVIOUS AREA = 0.67 AC.± L. AREA OF ERODIBLE SOILS = 0.58 AC.

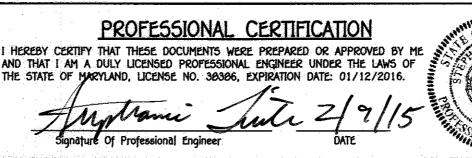
M. AREA OF ROAD DEDICATION = 0.00 AC.

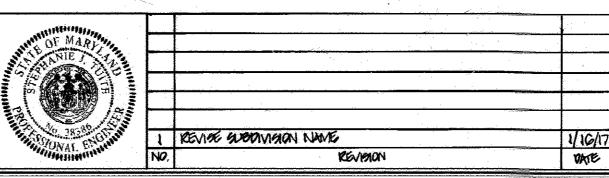
OWNER DAVID WOESSNER 300 MAGOTHY ROAD SEVERNA PARK, MARYLAND 21146 410-461-0837







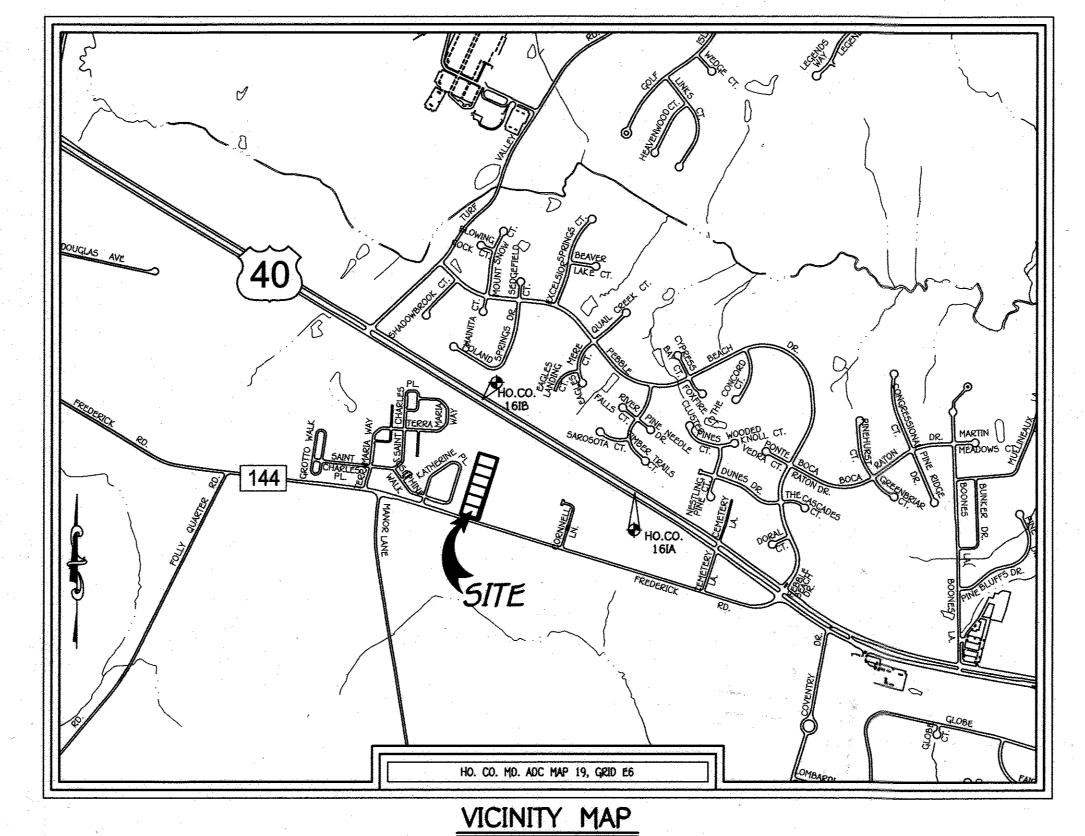




# SUPPLEMENTAL PLAN ELLICOTT OVERLOOK

LOTS 1 THRU 6

GRID No. 23 PARCEL NO. 17 LOT NO. 1 TAX MAP No. 16 SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND



BENCHMARK INFORMATION B.M.#1 - HOWARD COUNTY CONTROL STATION #16IA - HORIZONTAL - NAD '83) N 589,509,413 E 1,346,343,626 ELEVATION = 462.92 - VERTICAL - (NAVD '80) B.M.#2 - HOWARD COUNTY CONTROL STATION #16IB - HORIZONTAL - (NAD '83) N 590.475.297 ELEVATION = 469.84 - VERTICAL - (NAVD '88)

LEGEND **DESCRIPTION** SYMBOL DESCRIPTION EXISTING 2' CONTOURS - 102 PROPOSED CONTOUR EXISTING 10' CONTOURS SPOT ELEVATION LOD LIMITS OF DISTURBANCE SOILS LINES AND TYPE EXISTING TREELINE EXISTING SEPTIC EASEMENT TO BE REMOVED PROPOSED PAVING PROPOSED TREELINE B-1 BORING HOLE NON-ROOFTOP DISCONNECTION (N-2) EXISTING PAVING TO BE MILLED AND OVERLAYED ------ SILT FENCE EROSION CONTROL MATTING PROPOSED DRYWELL (M-5) -55F- SUPER SILT FENCE ROOFTOP DISCONNECTION (N-1) STABILIZES CONSTRUCTION ENTRANCE FLOW ARROW DRAINAGE AREA DIVIDE EXISTING POWER POLE SPECIMEN TREE - TP - TREE PROTECTION

#### General Notes:

Subject Property Zoned R-20 Per 10/6/13 Comprehensive Zoning Plan.
Coordinates Based On Nad '83, Maryland Coordinate System As Projected By Howard County Geodetic Control Stations
No. 161A And No. 161B.

Station No. 16IA North 589509.413 East 1.346.343.626

Station No. 1618 North 590,475.297 East 1,344,753.928 This Plat Is Based On Field Run Monumented Boundary Survey Performed On Or About September, 2014, By Fisher,

iveways Shall be Provided Prior to Issuance Of A Use And Occupancy Permit For Any New Dwellings to Ensure Sat

ccess For Fire And Emergency Vehicles Per The Following (Minimum) Requirements:

ess 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 10% Grade Change And 45—Foot Turning Radius;

d) Structures (Culverts/Bridges) - Capable Of Supporting 25 Gross Tons (H25—Loading);

e) Drainage Elements - Capable Of Safely Passing 100 Year Flood With No More Than 1 Foot Depth Over Surfact)

f) Structure Clearances - Minimum 12 Feet;

) Maintenance - Sufficient To Ensure All Weather Use Lot Areas Are More Or Less (±). Distances Shown Are Based On Surface Measurement And Not Reduced To Nad '83 Grid Measurement.

Stormwater Management Requirements For Lots 1, 3 Thru 6 Will Be Met Using Environmental Site Design To The Maximum Extent Possible in Accordance With The Maryland Stormwater Design Manual Volumes I & II, Effective in May Of 2010. All Lots Will Utilize Drywells (M-5), Grass Swale (M-8), And Rooftop Disconnection (N-1) For Stormwater

No Cemeteries Exists On This Site Based On A By Visual Site Visit And Based On A Examination Of The Howard Coun

The Forest Conservation Requirements Of Section 16.1200 Of The Howard County Code And Forest Conservation Act For This Subdivision Will Be Fulfilled By Providing A Fee In Lieu Payment Of \$14,701.50 (0.45 Acres x 43,560 5q.Ft. /Acre

Water And Sewer Service To These Lots Will Be Granted Under The Provisions Of Section 18.1228 Of The Howard Count

20. Approval Of A Site Development Plan Is Required For The Development Of Residential Lots 1, 3 Thru 6 Within This

Subdivision Prior To Issuance Of Any Grading Or Building Permits For New House Construction In Accordance With Section 16.155 Of The Subdivision And Land Development Regulations.

Property Subject To Department Of Planning And Zoning File Nos. ECP-15-023.

This Property Is Located Within The Metropolitan District And Will Be Served By Public Water And Sewer. There is an Existing Dwelling/Structure(s) Located On Lot 2 To Remain. No New Buildings, Extensions Or Additions To The Existing Dwelling(s) Are To Be Constructed At A Distance Less Than The Zoning Regulation Requirements. There Are No Disturbances To Environmental Features As There Are No Environmental Features Including Wetland.

Floodplain, Stream And Their Buffers. Located On This Property. 25. A Letter Of Findings Dated 9/25/14 Was Prepared By Eco-Science Professionals For The Forest Stand Delineation An

Wetland Delineation For This Project. This Plan is in Compliance with The Amended Fifth Edition Of The Subdivision and Land Development The Zoning Regulations As Amended By Council Bill 32-2013. Development Or Construction On These Lots 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.

27. This Plat Establishes A Private Shared Use-In-Common Driveway Easement With Maintenance Agreement And Has Been Recorded In The Land Records Of Howard County, Maryland Simultaneously With The Recording Of This

28. Open Space Requirements Are Provided By A Fee-In-Lieu Payment Of \$7,500.00. 29. This Development is Designed To Be in Accordance With Section 16.127-Residential Infill Development -Of Subdivision And Land Development Regulations. The Developer Of This Project Shall Create Compatibility With The Existing Neighborhood Through The Use Of Enhanced Perimeter Landscaping, Berms, Fences, Similar Housing Unit Types And The Directional Orientation Of The Proposed Houses.

30. A Community Meeting Was Conducted On September 4, 2014 For The Purpose Of The Developer To Provide Information To The Community Regarding The Proposed Residential Development and To Allow The Community To Ask Questions And To Make Comments, Per Section 16.128(d), Of The Subdivision Regulations.

31. This Property is Adjacent To A Scenic Road (Frederick Road). 32. The Perimeter Landscape Obligation For Lots 1, 3 Thru 6 is Provided in Accordance With A Certified Landscape Plan. In Accordance With Section 16.124 Of The Howard County Code And The Landscape Manual, A Landscape Surety in The Amount Of \$6,300 Based On 3 Shade Trees @ \$300/Shade Tree And 36 Evergreen Trees @ \$150/Evergreen Tree Is

Bonded With The Public Water And Sewer Developer's Agreement.

33. Subdivision is Subject To Section 104.0.F. Of The Zoning Regulations. At Least 10% Of The Dwelling Units Shall Be Moderate Income Housing (M.I.H.U.) Or An Alternative Compliance Will Be Provided. The Developer Shall Execute A M.I.H.U. Agreement With The Department Of Housing To Indicate How The M.L.H.U. Requirement Will Be Met. The M.L.H.U. Agreement And Covenants Will Be Recorded Simultaneously With This Plat in The Land Records Office Of Howard County, Maryland. This Development Will Meet M.I.H.U. Alternative Compliance By A Payment Of A Fee-In-Lieu To The Department Of Housing For Each Required Unit.

Subdivision is Required to Provide M.I.H.U. (Moderate income Housing Unit).

a. M.I.H.U. Required = 0.5 M.I.H.U.

(5 Lots x 10% M.I.H.U./Lot) Noise Study Dated September, 2015 Prepared By MARS Group For Noise Evaluation For U.S. Route 40 And A Noise Study Dated September, 2014 Prepared By The Traffic Group For Noise Evaluation For Maryland Route 144. The Unmitigated 65dBA Noise Contour Line Drawn On This Plat is Advisory As Required By The Howard County Design Manual, Chapter 5, Revised February, 1992 And Cannot Be Considered To Exactly Located The 65dBA Noise Exposure. The Unmittaated 65dBA Noise Contour Line Was Established By Howard County To Alert Developers, Builders And Future Residents That Areas Beyond This Threshold May Exceed Generally Accepted Noise Levels Established By The U.S.

Department Of Housing And Urban Development 35. All Construction Shall be in Accordance With The Latest Standards And Specifications Of Howard County Plus MSHA Standards And Specifications If Applicable. 36. The Contractor Shall Notify The Department Of Public Works/Bureau Of Engineering/Construction Inspection Division A

(410) 313-1880 At Least Five (5) Working Days Prior To The Start Of Work. 37. The Contractor Shall Notify "Miss Utility" At 1-800-257-7777 At Least 48 Hours Prior To Any Excavation Work Being 38. Traffic Control Devices, Markings And Signing Shall Be In Accordance With The Latest Edition Of The Manual Of Uniform Traffic Control Devices (MUTCD). All Street And Regulatory Signs Shall Be In Place Prior To The Placement Of Any

39. The Existing Topography Is Taken From A Field Run Topographic Survey With (Maximum Two Foot) Contour Intervals Prepared By Fisher, Collins & Carter, Inc. Dated September, 2014 And Supplemented With Howard County GIS

Topography.

40. All Specimen Trees On-Site Are To Be Preserved And Protected.

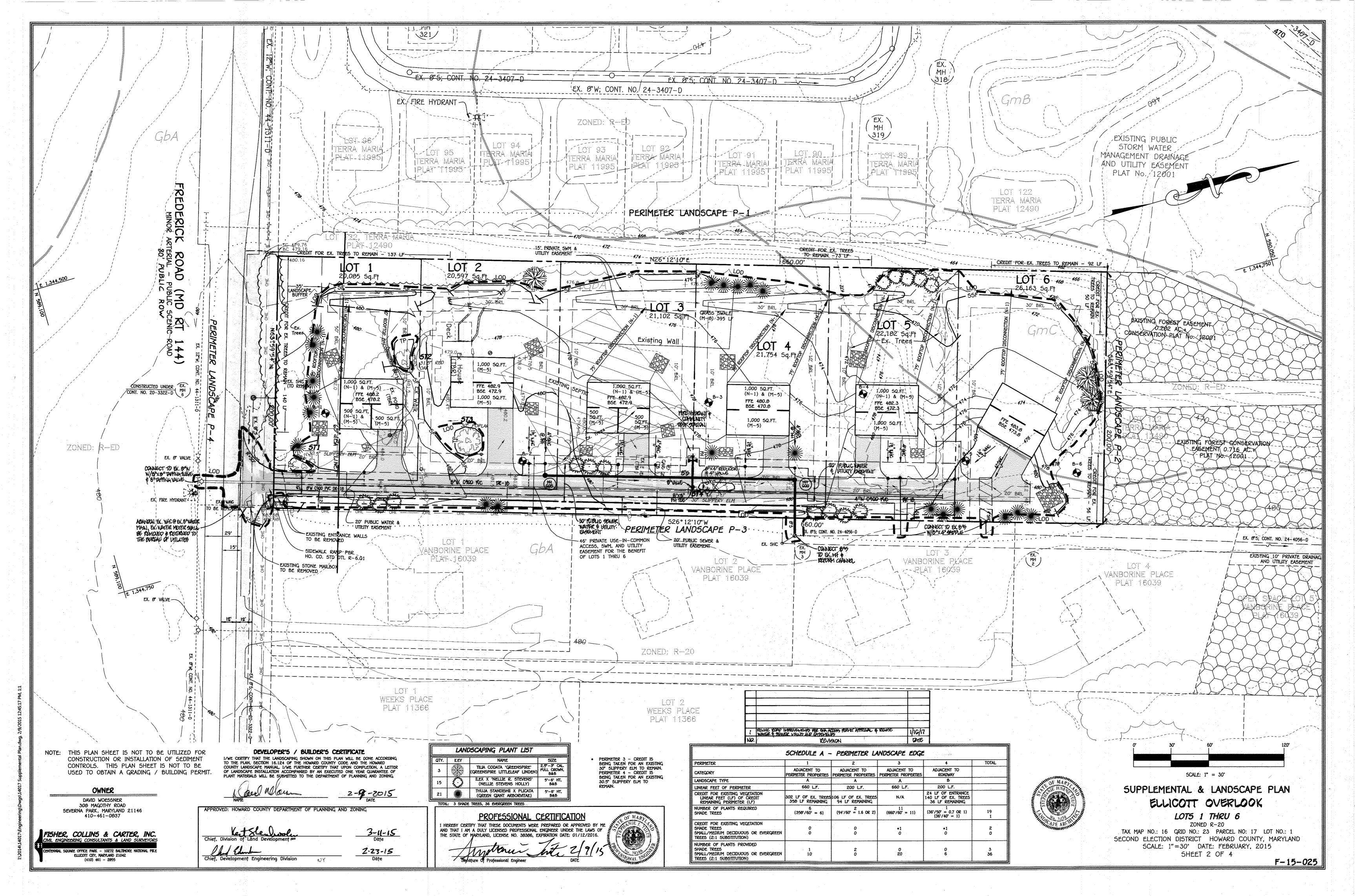
# TITLE SHEET ELLICOTT OVERLOOK

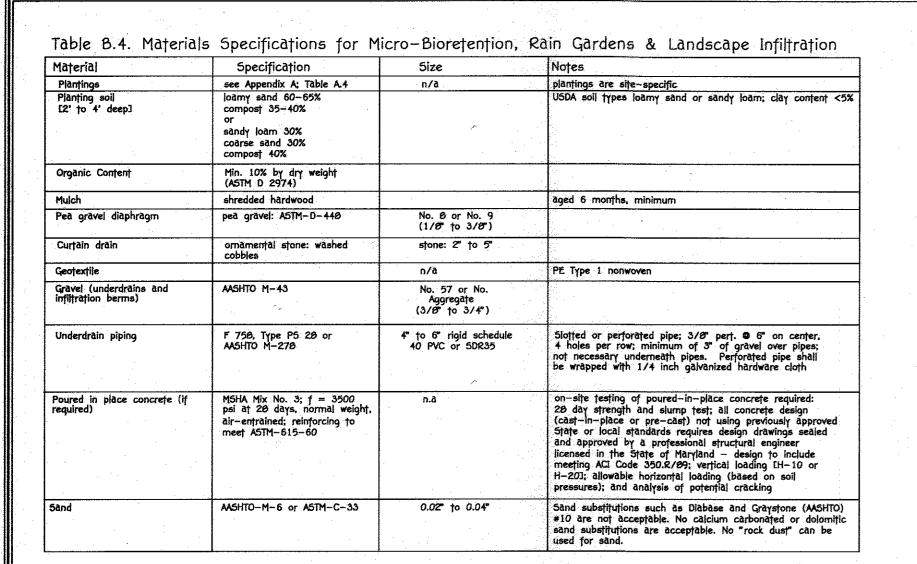
LOTS 1 THRU 6

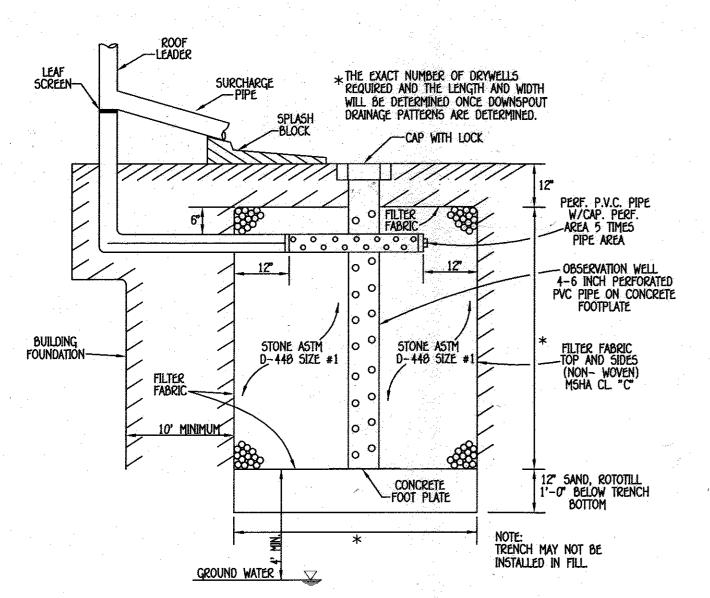
ZONED R-20 TAX MAP NO.: 16 GRID NO.: 23 PARCEL NO: 17 LOT NO.: 1 SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND SCALE: AS SHOWN DATE: FEBRUARY, 2015

SHEET 1 OF 4

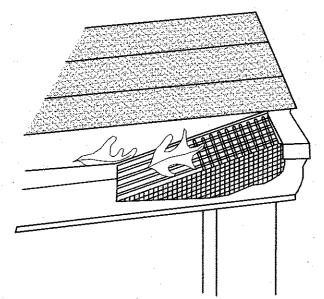
F-15-025







DRY WELL DETAIL (M-5)
NOT TO SCALE



OWNER

DAVID WOESSNER

300 MAGOTHY ROAD

410-461-0037

FISHER, COLLINS & CARTER, INC.

SEVERNA PARK, MARYLAND 21146

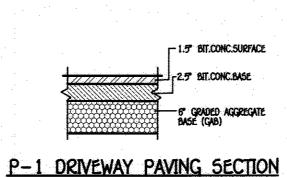
square office park - 10272 baltimore national p

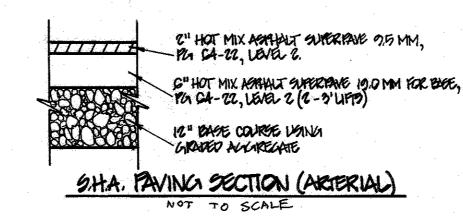
# STORMWATER MANAGEMENT NOTES

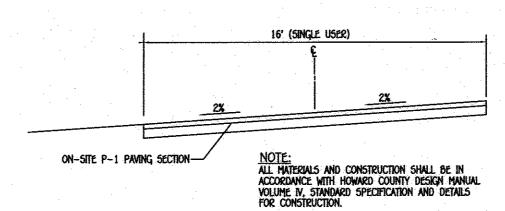
STORMWATER MANAGEMENT IS PROVIDED IN ACCORDANCE WITH WITH CHAPTER 5, "ENVIRONMENTAL SITE DESIGN" OF THE 2007 MARYLAND STORMWATER MANAGEMENT DESIGN MANUAL, EFFECTIVE MAY 4, 2010.

SECTION NUMBER	ROAD AND STREET	CALIFORNIA BEARING RATIO (CBR)	3 TO <5	5 TO <7	<u>&gt;</u> 7	3 TO <5	5 TO <7	<u>&gt;</u> 7		
NUMBER	CLASSIFICATION	PAVEMENT MATERIAL (INCHE5)	MIN	HMA WITH	GAB	HMA W	ITH CONSTANT GAS			
		HMA SUPERPAVE FINAL SURFACE 9.5 MM, PG 64-22, LEVEL 1 (ESAL)	2.0	2.0	2.0	2.0	2.0	2.0		
P-5	MINOR ARTERIAL	HMA SUPERPAVE INTERMEDIATE SURFACE N/A	2.0	2.0	2.0	2.0	2.0	2.0		
		HMA SUPERPAVE BASE 19.0 MM. PG 64-22, LEVEL 1 (ESAL)	6.0	6.0	6.0	7.0	5.0	4.0		
		GRADED AGGREGATE BASE (GAB)	11.0	5.0	4.0	8.0	8.0	8.0		

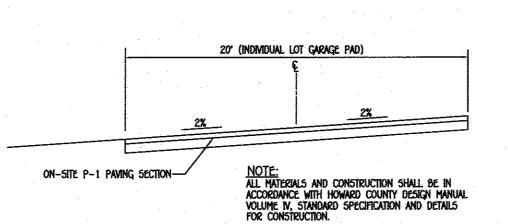
FREDERICK ROAD WIDENING PAVING SECTION
NOT TO SCALE







TYPICAL PRIVATE COMMON DRIVE CROSS SLOPE SECTION



TYPICAL PRIVATE INDIVIDUAL LOT GARAGE PAD CROSS SLOPE SECTION

0 3.03 Ac

#### OPERATION & MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED DISCONNECTION OF ROOFTOP RUNOFF (N-1)

. MAINTENANCE OF AREAS RECEIVING DISCONNECTION RUNOFF IS GENERALLY NO DIFFERENT THAN THAT REQUIRED FOR OTHER LAWN OR LANDSCAPED AREAS. THE AREAS RECEIVING RUNOFF SHOULD BE PROTECTED FROM FUTURE COMPACTION OR DEVELOPMENT OF IMPERVIOUS AREA. IN COMMERCIAL AREAS FOOT TRAFFIC SHOULD BE DISCOURAGED AS WELL.

### OPERATION & MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED DRY WELLS (M-5)

- A. THE OWNER SHALL INSPECT THE MONITORING WELLS AND STRUCTURES ON A QUARTERLY
- BASIS AND AFTER EVERY HEAVY STORM EVENT. B. THE OWNER SHALL RECORD THE WATER LEVELS AND SEDIMENT BUILD UP IN THE MONITORING WELLS OVER A PERIOD OF SEVERAL DAYS TO ENSURE TRENCH DRAINAGE.
- C. THE OWNER SHALL MAINTAIN A LOG BOOK TO DETERMINE THE RATE AT WHICH THE D. WHEN THE FACILITY BECOMES CLOGGED SO THAT IT DOES NOT DRAIN DOWN WITHIN A
- SEVENTY-TWO (72) HOUR TIME PERIOD, CORRECTIVE ACTION SHALL BE TAKEN. THE MAINTENANCE LOG BOOK SHALL BE AVAILABLE TO HOWARD COUNTY FOR INSPECT TO INSURE COMPLIANCE WITH OPERATION AND MAINTENANCE CRITERIA
- F. ONCE THE PERFORMANCE CHARACTERISTICS OF THE INFILTRATION FACILITY HAVE BEEN VERIFIED. THE MONITORING SCHEDULE CAN BE REDUCED TO AN ANNUAL BASIS UNLESS THE PERFORMANCE DATA INDICATES THAT A MORE FREQUENT SCHEDULE IS REQUIRED.

SPECIMEN TREE TABLE				
KEY	SPECIES	SIZE (DBH)	CRZ (FT RADIUS)	COMMENTS
1	ULMUS RUBRA	30.5"	45.75	TO REMAIN
2	QUERCUS RUBRA	31.5"	47.25	TO REMAIN
3	POPULUS SP.	34"	51	TO REMAIN
4	ULMUS RUBRA	3 <i>0</i> "	45	TO REMAIN

FOREST CONSERVATION WORKSHEET **VERSION 1.0** 

MPD CIA

BASIC SITE DATA:

A. TOTAL TRACT AREA...

C. NET TRACT AREA....

B. AREA WITHIN 100 YEAR FLOODPLAIN

ARA MDR IDA HDR INFORMATION FOR CALCULATIONS: D. AFFORESTATION THRESHOLD..... E. FOREST CONSERVATION THRESHOLD.....

EXISTING FOREST COVER:

BREAK EVEN POINT

LAND USE CATEGORY: (from table 3.2.1, page 40, Manual)

F. EXISTING FOREST COVER WITHIN NET TRACT AREA

I. CLEARING PERMITTED WITHOUT MITIGATION..

J. TOTAL AREA OF FOREST TO BE CLEARED

K. TOTAL AREA OF FOREST TO BE RETAINED ...

PROPOSED FOREST CLEARING

PLANTING REQUIREMENTS:

N. CREDIT FOR RETENTION ABOVE (

P. TOTAL REFORESTATION REQUIRED..

Q. TOTAL AFORESTION REQUIRED...

5. EXCESS FOREST CREDIT..

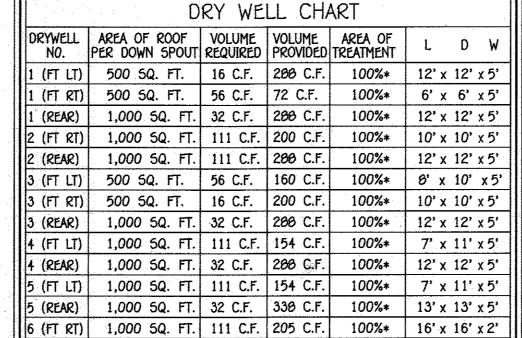
G. AREA OF FOREST ABOVE CONSERVATION THRESHOLD:

R. TOTAL REFORESTATION AND AFFORESTATION REQUIRED.

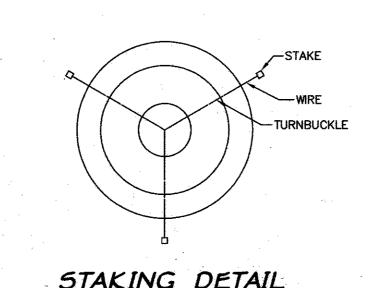
H. FOREST RETENTION ABOVE THRESHOLD WITH NO MITIGATION ...

L. REFORESTATION FOR CLEARING ABOVE CONSERVATION THRESHOLD....

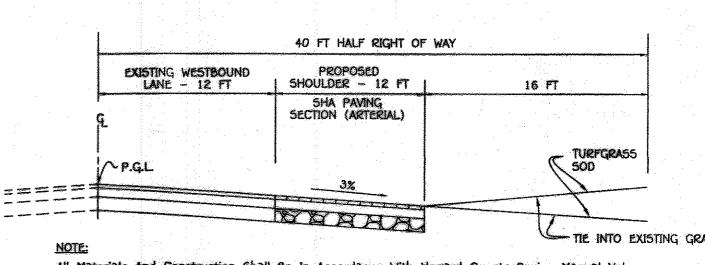
M. REFORESTATION FOR CLEARING BELOW CONSERVATION THRESHOLD..... \_\_\_\_\_\_



\* AREA OF TREATMENT EXCEEDS THAT REQUIRED



GRADING FOR PLANTING



All Materials And Construction Shall Be in Accordance With Howard County Design Manual Volume IV. Standard Specification And Details For Construction. See Paving Detail This Sheet.

TYPICAL ROADWAY SECTION NO SCALE

## NOTES & DETAILS ELLICOTT OVERLOOK

LOTS 1 THRU 6

TEMPORARY TRAFFIC CONTROL TYPICAL APPLICATION

EXISTING GROUND

ENSTAG GROUND

MD 104.01-28

Maryland Department of Transportation STATE HIGHWAY ADMINISTRATION

ROAD WORK

WORK WITHIN 15 FT. OF EDGE LINE

(OPTIONAL FOR 15 MIN-12 HRS.

EXCAVATE IS REQUIRED FOR ROADBAY STOCKING

. THIS TEMPORARY WENCE MATERIAL A

APPROVED BY THE ENGNEER REMAIN

CHADED ACCRECATE BASE COURSE.

REMOVE OR RE-CRASE TEMPORARY

MEDGE AS DRECTED BY ENGNEER.

AND PLACE CRASED ACCREGATE BASE THIS NEW WEDGE IS TO REMAIN IN PLACE UNTAL CRACING FOR PLACEMENT OF HOT MIX ASPRIALT BASE.

BASE COURSE

TEMPORARY TRAFFIC CONTROL TYPICAL APPLICATION

MOT STANDARD MD 104.02-01

SUBGRADE

THIS DRAWING SHALL BE USED IN
COMBINATION WITH THE GENERAL
HOTES HO 104.00-01 - NO 104.00-18 AND
STANDARD OFFAILS NO 104.01-01 NO 104.01-81

SHOULDER CLOSED SIGNS ARE REQUIRED IN PLACE OF SHOULDER

WORK SIGNS WHEN THE SHOULDER IS CLOSED BY POSITIVE PROTECTION (TEMPORARY CONCRETE BARRIER OR

SMILAR DEVICE). REFER TO STANDAR NO. MD 104.08-18.

WHEN WORK INVOLVES A PAVEMENT

THERE SHALL BE A MINIMUM OF SEVEN CHANNELIZING DEVICES

EDGE DROP-OFF, REFER TO STANDARD HOS. ND 104.06-15 TO ND 104.06-19

END ROAD WORK (OPTIONAL FOR 15 MIN-12 HR OR DAYTIME APPLICATIONS)

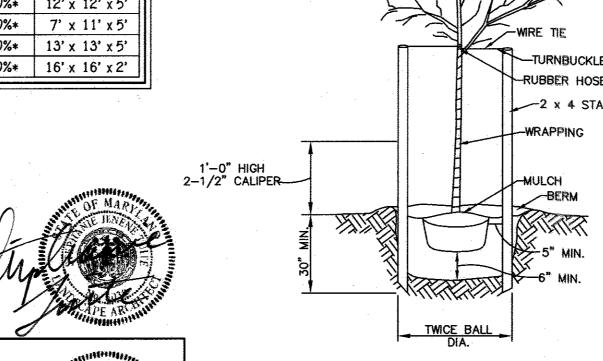
EXCAVATION

DEPTH PER PLAN

ZONED R-20 TAX MAP NO.: 16 GRID NO.: 23 PARCEL NO: 17 LOT NO.: 1 SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND SCALE: NOT TO SCALE DATE: FEBRUARY, 2015

SHEET 3 OF 4

F-15-025



TREE PLANTING

PROFESSIONAL CERTIFICATION HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF

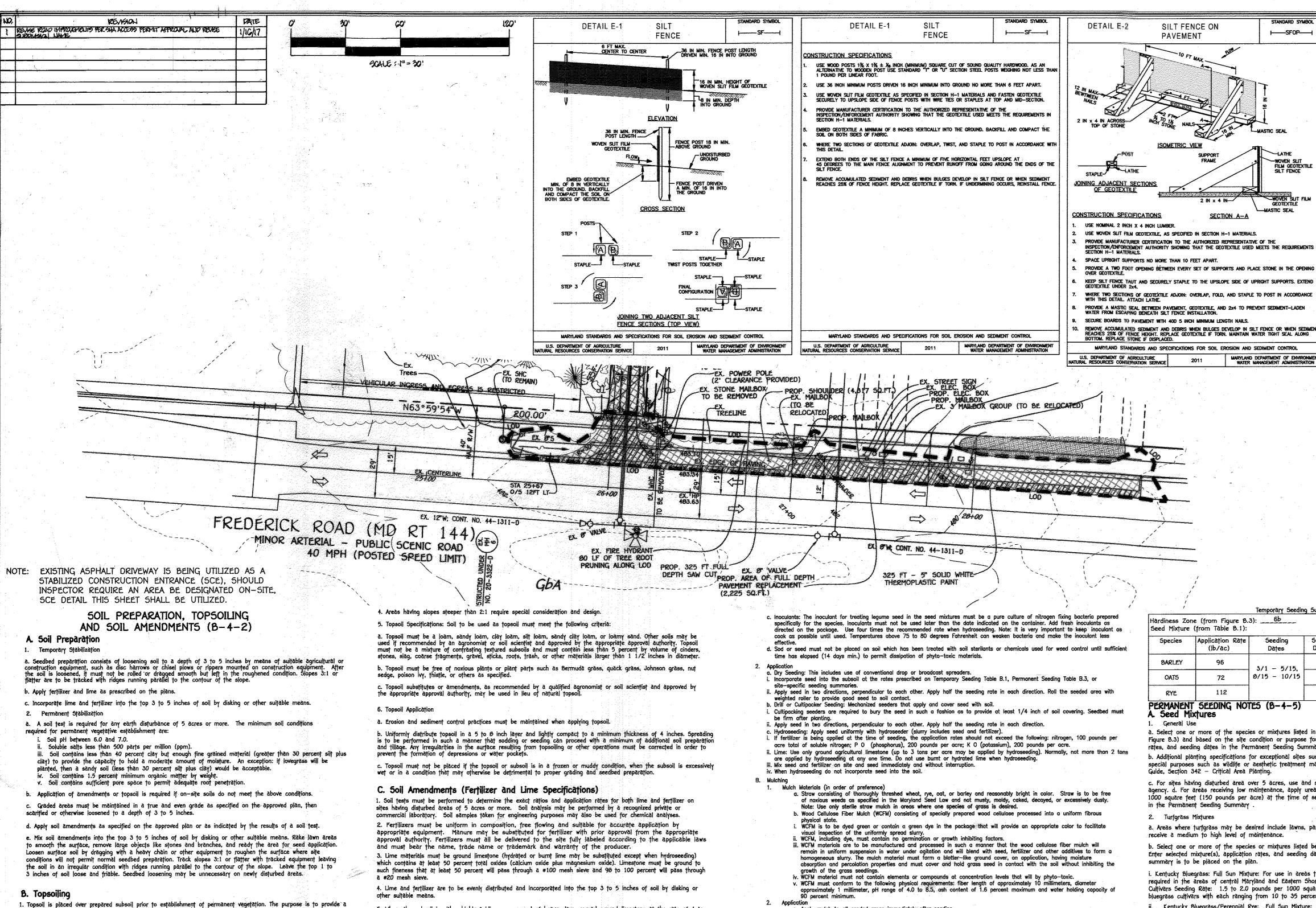
MAXIMUM CONTRIBUTING ROOF TOP AREA TO EACH DOWNSPOUT SHALL BE 1,000 SQ. FT. OR LESS. DRYWELLS SHALL BE PROVIDED AT LOCATIONS WHERE THE LENGTH OF DISCONNECTION IS LESS THAN 75' AT 5%. THE SIZE AND CONSTRUCTION OF THE DRYWELL SHALL BE IN ACCORDANCE WITH THE DETAIL GUTTER DRAIN FILTER DETAIL SHOWN ON THIS SHEET. FINAL GRADING IS SHOWN ON THIS SITE DEVELOPMENT PLAN.

> ADD SHA DETAILS FOR SHA ACCESS PERMIT APPROVAL 1/16/17 DATE 3-11-15

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

2-23-15

-RUBBER HOSE -2 x 4 STAKE STAKING DETAIL NOTE: REMOVE BURLAP FROM TOP 1/3 OF BALL



5. Where the subsoil is either highly acidic or composed of heavy clays, spread ground limestone at the rate of 4 to

B-4-3 STANDARDS AND SPECIFICATIONS FOR SEEDING AND MULCHING

Conditions Where Practice Applies

a. All seed must meet the requirement of the Maryland State Seed Law. All seed must be subject to re-testing by a recognized seed

b. Mulch alone may be applied between the fall and spring seeding dates only if the ground is frozen. The appropriate seeding mixture

laboratory. All seed used must have been tested within the 6 months immediately preceding the date of sowing such material on any

project. Refer to Table B.4 regarding the quality of seed. Seed tags must be available upon request to the inspector to verify type of

2-9-2015

8 tons/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil.

BUILDER/DEVELOPER'S CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN.

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

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

3-11-15

2.23.15

The application of seed and mulch to establish vegetative cover.

must be applied when the around thaws.

seed and seeding rate.

Jari Illaun

CONSERVATION DISTRICT.\*

SIGNATURE OF DEVELOPER

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

To protect disturbed soils from erosion during and at the end of construction.

suitable soil medium for vegetative growth. Soils of concern have low moisture content, low nutrient levels, low pH,

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-NRCS.

b. The soil material is so shallow that the rooting zone is not deep enough to support plants or furnish continuing

Topsoil must be a loam, sandy loam, clay loam, silt loam, sandy clay loam, or loamy sand. Other soils may be

used if recommended by an agronomist or soil scientist and approved by the appropriate approval authority. Topsoil must not be a mixture of contrasting textured subsoils and must contain less than 5 percent by volume of cinders,

stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger than 1 1/2 inches in diameter.

b. Topsoil must be free of noxious plants or plant parts such as Bermuda grass, quack grass, Johnson grass, nut

Topsoil substitutes or amendments, as recommended by a qualified agronomist or soil scientist and approved by

OWNER

DAVID WOESSNER

308 MAGOTHY ROAD

SEVERNA PARK, MARYLAND 21146

et the levolu

Chief, Division of Land Development NA

2. Topsoil salvaged from an existing site may be used provided it meets the standards as set forth in these

a. The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.

materials toxic to plants, and/or unacceptable soil gradation.

3. Topsoiling is limited to areas having 2:1 or flatter slopes where:

c. The original soil to be vegetated contains material toxic to plant growth.

the appropriate approval authority, may be used in lieu of natural topsoi

4. Areas having slopes steeper than 2:1 require special consideration and design.

5. Topsoil Specifications: Soil to be used as topsoil must meet the following criteria:

d. The soil is so acidic that treatment with limestone is not feasible.

supplies of moisture and plant nutrients.

sedge, poison ivy, thistle, or others as specified.

FISHER, COLLINS & CARTER, INC.

ELLICOTT CITY, MARYLAND 21042

(410) 461 - 2855

CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS

INNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE

THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND

SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISRICT

a. Apolv mulch to all seeded areas immediately after seeding.

b. When straw mulch is used, spread it over all seeded areas at the rate of 2 tons per acre to a uniform loose depth of 1 to 2 inches. Apply mulch to achieve a uniform distribution and depth so that the soil surface is not exposed. When using a mulch anchoring tool, increase the application rate to 2.5 tons per acre. c. Wood cellulose fiber used as mulch must be applied to a net dry weight of 1500 pounds per acre. Mix the wood cellulose fiber with water to attain a mixture with a maximum of 50 pounds of wood cellulose fiber per 100 gallons of

a. Perform mulch anchoring immediately following application of mulch to minimize loss by wind or water. This may be done by one of the following methods (listed by preference), depending upon the size of the area and erosion hazard: A mulch anchoring tool is a tractor drawn implement designed to punch and anchor mulch into the soil surface a minimum of 2 inches. This practice is most effective on large areas, but is limited to flatter slopes where equipment can operate safely. If used on sloping land, this practice should follow the contour. ii. Wood cellulose fiber may be used for anchoring straw. Apply the fiber binder at a net dry weight of 750 pounds per

acre. Mix the wood cellulose fiber with water at a maximum of 50 pounds of wood cellulose fiber per 100 gallons of iii. Synthetic binders such as Acrylic DLR (Agro-Tack), DCA-70, Petroset, Terra Tax II, Terra Tack AR or other approved equal may be used. Follow application rates as specified by the manufacturer. Application of liquid binders needs to be heavier at the edges where wind catches mulch, such as in valleys and on crests of banks. Use of asphalt binders is strictly prohibited.

iv. Lightweight plastic netting may be stapled over the mulch according to manufacturer recommendations. Netting is usually available in rolls 4-15 feet wide and 300 to 3,000 feet long. TEMPORARY SEEDING NOTES (B-4-4) ENGINEER'S CERTIFICATE

"I/WE CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A

PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE

Jute 2/9/15

THE HOWARD SOIL CONSERVATION DISTRICT."

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY N

AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF

THE STATE OF MARYLAND, LICENSE NO. 38386, EXPIRATION DATE: 01/12/2016.

CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF

To stabilize disturbed soils with vegetation for up to 6 months.

2/9/15 Exposed soils where ground cover is needed for a period of 6 months or less. For longer duration of time, permanent stabilization practices are required.

To use fast growing vegetation that provides cover on disturbed soils

Select one or more of the species or seed mixtures listed in Table 8.1 for the appropriate Plant Hardiness Zone (from Figure B.3), and enter them in the Temporary Seeding Summary below along with application rates, seeding dates and seeding depths. If this Summary is not put on the plan and completed,

then Table 8.1 plus fertilizer and lime rates must be out on the plan.

2. For sites having soil tests performed, use and show the recommended rates by the testing agency. Soil tests are not required for Temporary Seeding. 3. When stabilization is required outside of a seeding season, apply seed and mulch or straw mulch alone as prescribed in Section 8-4-3.A.1.b and maintain until the next seeding season.

Temporary Seeding Summary lardiness Zone (from Figure B.3): \_\_\_\_6b\_\_ Fertilizer Rate (10-20-20) Seeding Depths 2 tons/ac 3/1 - 5/15, 8/15 - 10/15 1000 sf)

DETAIL E-3

148 148 148 148 118

CONSTRUCTION SPECIFICATIONS

⊢—SFOP—

SUPER SILT

ELEVATION

INSTALL 2% INCH. DIAMETER GALVANIZED STEEL POSTS OF 0.095 INCH WALL THEOMESS AND SIX FOOT LENGTH SPACED NO FURTHER THAN 10 FEET APART. DRIVE THE POSTS A MINIMUM OF 36 INCHES INTO THE GROUND.

FASTEN WOVEN SLIT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS, SECURELY TO THE UPSLOPE SIDE OF CHAIN LINK FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP AND MID SECTION. EMBED GEOTEXTILE AND CHAIN LINK FENCE A MINIMUM OF 8 INCHES INTO THE GROUND.

WHERE ENDS OF THE GEOTEXTRE COME TOGETHER, THE ENDS SHALL BE OVERLAPPED BY 6 INCHES, FOLDED, AN STAPLED TO PREVENT SEDMENT BY PASS.

EXTEND BOTH ENDS OF THE SUPER SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SUPER SILT FENCE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

WOVEN SLIT FILM GEOTEXTILE-FLOW \_\_\_

EMBED GEOTEXTILE AND CHAIN LINK FENCE 8 IN MIN. INTO GROUND

FENCE

PERMANENT SEEDING NOTES (8-4-5)

a. Select one or more of the species or mixtures listed in Table B.3 for the appropriate Plant Hardiness Zone (from Figure 8.3) and based on the site condition or purpose found on Table 8.2. Enter selected mixture(s), application rates, and seeding dates in the Permanent Seeding Summary. The Summary is to be placed on the plan. b. Additional planting specifications for exceptional sites such as shorelines, stream banks, or dunes or for special purposes such as wildlife or aesthetic treatment may be found in USDA-NRCS Technical Field Office Guide, Section 342 - Critical Area Planting.

c. For sites having disturbed area over 5 acres, use and show the rates recommended by the soil testing agency. d. For areas receiving low maintenance, apply urea form fertilizer (46-0-0) at 3 1/2 pounds per 1000 square feet (150 pounds per acre) at the time of seeding in addition to the soil amendments shown

a. Areas where turfgrass may be desired include lawns, parks, playgrounds, and commercial sites which will receive a medium to high level of maintenance.

b. Select one or more of the species or mixtures listed below based on the site conditions or purpose. Enter selected mixture(s), application rates, and seeding dates in the Permanent Seeding Summary. The i. Kentucky Bluegrass: Full Sun Mixture: For use in areas that receive intensive management. Irrigation

required in the areas of central Maryland and Eastern Shore. Recommended Certified Kentucky Bluegrass Cultivars Seeding Rate: 1.5 to 2.0 pounds per 1000 square feet. Choose a minimum of three Kentucky bluegrass cultivars with each ranging from 10 to 35 percent of the total mixture by weight. ii. Kentucky Bluegrass/Perennial Rye: Full Sun Mixture: For use in full sun areas where rapid

establishment is necessary and when turf will receive medium to intensive management. Certified Perennial Ryegrass Cultivars/Certified Kentucky Bluegrass Seeding Rate: 2 pounds mixture per 1000 square feet. Choose a minimum of three Kentucky bluegrass cultivars with each ranging from 10 to 35 percent of the total mixture by weight.

iii. Tall Fescue/Kentucky Bluegrass: Full Sun Mixture: For use in drought prone areas and/or for areas receiving low to medium management in full sun to medium shade. Recommended mixture includes; Certified Tall Fescue Cultivars 95 to 100 percent, Certified Kentucky Bluegrass Cultivars 0 to 5 percent. Seeding Rate: 5 to 8 pounds per 1000 square feet. One or more cultivars may be blended. iv. Kentucky Bluegrass/Fine Fescue: Shade Mixture: For use in areas with shade in Bluegrass lawns. For

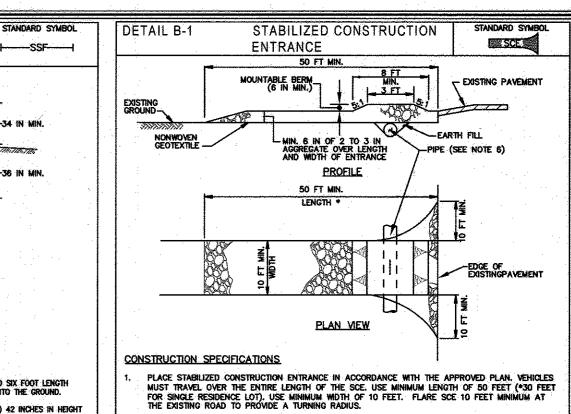
establishment in high quality, intensively managed turf area. Mixture includes; Certified Kentucky Bluegrass Cultivars 30 to 40 percent and Certified Fine Fescue and 60 to 70 percent. Seeding Rate: 1 1/2 to 3 Notes: Select turfgrass varieties from those listed in the most current University of Maryland

Publication. Agronomy Memo #77, "Turfgrass Cultivar Recommendations for Maryland" Choose certified material. Certified material is the best guarantee of cultivar purity. The certification program of the Maryland Department of Agriculture, Turf and Seed Section, provides à reliable means of consumer protection and assures a pure genetic line

c. Ideal Times of Seeding for Turf Grass Mixtures Western MD: March 15 to June 1, August 1 to October 1 (Hardiness Zones: 5b, 6a) Central MD: March 1 to May 15, August 15 to October 15 (Hardiness Zone: 6b) Southern MD, Eastern Shore: March 1 to May 15, August 15 to October 15 (Hardiness Zones: 7a, 7b)

d. Till areas to receive seed by disking or other approved methods to a depth of 2 to 4 inches, level and rake the areas to prepare a proper seedbed. Remove stones and debris over 1 1/2 inches in diameter The resulting seedbed must be in such condition that future moving of grasses will pose no difficulty. e. If soil moisture is deficient, supply new seedings with adequate water for plant growth ( 1/2 to 1 inch every 3 to 4 days depending on soil texture) until they are firmly established. This is especially true when seedings are made late in the planting season, in abnormally dry or hot seasons, or on adverse sites. Permanent Seeding Summary

Fertilizer Rate (10-20-20) Lime Rate Hardiness Zone (from Figure 8.3): 6b Seed Mixture (from Table B.3): 5eeding P<sub>2</sub>O<sub>5</sub> Dates Depths (lb/ac) Mar. 1-May 15 1/4-1/2 45 lbs. 90 lb/ac 90 lb/ac 2 tons/ac Aug. 15-Oct. 15 in. per acre 12 lb/ 12 lb/ 190 lb/ 100 per acre (2 lb/ (2 lb/ (90 lb/ FESCUE. (1.0 lb/ 1000 sf) | 1000 sf) | 1000 sf)



PIPE ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD THE SCE UNDER THE ENTRANCE, MAINTAINING POSITIVE DRAINAGE, PROTECT PIPE INSTALLED THROUGH THE SCE WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND A MINIMUM OF 12 INCHES OF STONE OVER THE PIPE, PROVIDE PIPE AS SPECIFIED ON APPROVED PLAN. WHEN THE SCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY, A PIPE IS NOT NECESSARY. A MOUNTABLE BERM IS REQUIRED WHEN SCE IS NOT LOCATED AT A HIGH SPOT.

PREPARE SUBGRADE AND PLACE NONWOVEN GEOTEXTILE. AS SPECIFIED IN SECTION H-1 MATERIALS LACE CRUSHED AGGREGATE (2 TO 3 INCHES IN SIZE) OR EQUIVALENT RECYCLED CONCRETE

MAINTAIN ENTRANCE IN A CONDITION THAT MINIMIZES TRACKING OF SEDIMENT. ADD STONE OR MAKE OTHER REPAIRS AS CONDITIONS DEMAND TO MAINTAIN CLEAN SURFACE, MOUNTABLE BERM, AND SPECIFIED DIMENSIONS. IMMEDIATELY REMOVE STONE AND/OR SEDIMENT SPILLED, DROPPED, OR TRACKED ONTO ADJACENT ROADWAY BY VACUUMING, SCRAPING, AND/OR SWEEPING. WASHING ROADWAY TO REMOVE MUD TRACKED ONTO PAVEMENT IS NOT ACCEPTABLE UNLESS WASH WATER IS DIRECTED TO AN APPROVED SEDIMENT CONTROL PRACTICE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL FROSION AND SEDIMENT CONTROL

B. Sod: To provide quick cover on disturbed areas (2:1 grade or flatter). General Specifications

Class of turforase sod must be Maryland State Certified. Sod labels must be made available to the job foreman and inspector. . Sod must be machine cut at a uniform soil thickness to % inch, plus or minus ¼ inch, at the time of cutting. Measurement for thickness must exclude top growth and thatch. Broken pads and torn or uneven ends will not be acceptable. Standard size sections of sod must be strong enough to support their own weight and retain their size and shape when suspend

vertically with a firm grasp on the upper 10 percent of the section. Sod must not be harvested or transplanted when moisture content (excessively dry of wet) may adversely affect its survival. e, Sod must be harvested, delivered, and installed within a period of 36 hours. Sod not transplanted within this period must be approved by an agronomist or soil scientist prior to its installation.

a. During periods of excessively high temperature or in areas having dry subsoil, lightly irrigate the subsoil immediately prior to laying the sod.

b. Lay the first row of sod in a straight line with subsequent rows placed parallel to it and tightly wedged against each other. Stagger lateral joints to promote more uniform growth and strength. Ensure that sod is not stretched or overlapped and that all joints are butted tight in

order to prevent voids which would cause air drying of the roots. Wherever possible, lay sod with the long edges parallel to the contour and with staggering joints. Roll and tamp, peg or otherwise secure the sod to prevent slippage on slopes. Ensure solid contact exists between sod roots and the underlying soil surface. . Water the sod immediately following rolling and tamping until the underside of the new sod pad and soil surface below the sod are

thoroughly wet. Complete the operations of laying, tamping, and irrigating for any piece of sod within eight hours. Sod Maintenance a. In the absence of adequate rainfall, water daily during the first week or as often and sufficiently as necessary to maintain moist soil to a

depth of 4 inches. Water sod during the heat of the day to prevent wilting. After the first week, sod watering is required as necessary to maintain adequate moisture content. c. Do not mow until the sod is firmly rooted. No more than 1% of the grass leaf must be removed by the initial cutting or subsequent cuttings. Maintain a grass height of at least 3 inches unless otherwise specified.

8-4-8 STANDARDS AND SPECIFICATIONS FOR STOCKPILE AREAS

A mound or pile of soil protected by appropriately designed erosion and sediment control measures. To provide a designated location for the temporary storage of soil that controls the potential for erosion, sedimentation, and

changes to drainage patterns. Conditions Where Practice Applies Stockpile areas are utilized when it is necessary to salvage and store soil for later use

1. The stockpile location and all related sediment control practices must be clearly indicated on the erosion and sediment control plan 2. The footprint of the stockpile must be sized to accommodate the anticipated volume of material and based on a side slope ratio no steeper than 2:1. Benching must be provided in accordance with Section B-3 Land Grading. 3. Runoff from the stockpile area must drain to a suitable sediment control practice.

5. Clear water runoff into the stockpile area must be minimized by use of a diversion device such as an earth dike, temporary swale or diversion fence. Provisions must be made for discharging concentrated flow in a non-erosive manner.

6. Where runoff concentrates along the toe of the stockpile fill, an appropriate erosion/sediment control practice must be used to intercept the discharge. 7. Stockpiles must be stabilized in accordance with the 3/7 day stabilization requirement as well as Standard B-4-1 incremental Stabilization and Standard B-4-4 Temporary Stabilization. 8. If the stockpile is located on an impervious surface, a liner should be provided below the stockpile to facilitate cleanup. Stockpile containing contaminated material must be covered with impermeable sheeting.

The stockpile area must continuously meet the requirements for Adequate Vegetative Establishment in accordance with Section 8-4 Vegetative Stabilization. Side slopes must be maintained at no steeper than a 2:1 ratio. The stockpile area must be kept free of erosion. If the vertical height of a stockpile exceeds 20 feet for 2:1 slopes, 30 feet for 3:1 slopes, or 40 feet for 4:1

slopes, benching must be provided in accordance with Section 8-3 Land Grading.

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 (410-313-1655). 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

3) FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: a) 3 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1, b) 7 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
4) ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 2011 MARYLAND.

STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING (SEC. B-4-5), TEMPORARY SEEDING (SEC. B-4-4) AND MULCHING (SEC. B-4-3). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.

5) 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. 6) SITE ANALYSIS: TOTAL AREA OF SITE

AREA DISTURBED AREA TO BE ROOFED OR PAVED 0.69 ACRES 0.23 ACRES 0.46 ACRES AREA TO BE VEGETATIVELY STABILIZED

OFFSITE WASTE/BORROW AREA LOCATION

7) ANY SEDIMENT CONTROL PRACTICE THAT IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME ADDITIONAL SEDIMENT CONTROL 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.

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10) TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH SHALL BE BACK-FILLED AND STABILIZED BY THE END OF EACH WORKDAY, WHICHEVER IS SHORTER.

11) ANY CHANGES OR REVISIONS TO THE SEQUENCE OF CONSTRUCTION MUST BE REVIEWED AND APPROVED BY THE PLAN APPROVAL AUTHORITY

12) A PROJECT IS TO BE SEQUENCED SO THAT GRADING ACTIVITIES BEGIN ON ONE GRADING UNIT (MAXIMUM ACREAGE OF 20 ACRE PER GRADING UNIT) AT A TIME. WORK MAY PROCEED TO A SUBSEQUENT GRADING UNIT WHEN AT LEAST 50 PERCENT OF THE DISTURBED AREA IN THE PROCEEDING GRADING UNIT HAS BEEN STABILIZED AND APPROVED BY THE ENFORCEMENT AUTHORITY. UNLESS OTHERWISE SPECIFIED AND APPROVED BY THE APPROVAL AUTHORITY, NO MORE THAN 30 ACRES CUMULATIVELY MAY BE DISTURBED AT A GIVEN TIME.

SEQUENCE OF CONSTRUCTION

OBTAIN A GRADING PERMIT AND HOLD PRE-CONSTRUCTION MEETING WITH COUNTY INSPECTOR. (2 WEEKS)

NOTIFY "MISS UTILITY" AT LEAST 48 HOURS BEFORE BEGINNING ANY WORK AT 1-800-257-7777. NOTIFY THE HOWARD COUNTY OFFICE OF CONSTRUCTION / INSPECTION AT 410-313-1330 AT LEAST 24 HOURS BEFORE STARTING WORK. INSTALL STABILIZED CONSTRUCTION ENTRANCE, SILT FENCE ON PAVEMENT, SILT FENCE, AND SUPER-SILT FENCE. (2 DAYS) REMOVE NECESSARY TREES AND TEMPORARY SEED DISTURBED AREAS AS NECESSARY. (1 DAY)

CONSTRUCT SEWER AND WATER MAINS AND WHCS AND SHCS, (21 DAYS) CONSTRUCT CURB & GUTTER, ROAD WIDENING, AND SIDEWALK, INCLUDING MILL AND OVERLAY OF EXISTING PAVEMENT AS SHOWN ON THE PLANS. (30 DAYS)

INSTALL PERMANENT SEEDING. (3 DAYS)

ALL FINAL GRADES AND STABILIZATION SHOULD BE COMPLETED BEFORE ANY REMOVAL OF CONTROLS. WHEN ALL CONTRIBUTING AREAS TO THE SEDIMENT CONTROL DEVICES HAVE BEEN STABILIZED AND WITH THE PERMISSION OF THE SEDIMENT CONTROL INSPECTOR, THE SEDIMENT CONTROL DEVICES MAY BE REMOVED. (3 DAYS)

NOTE: THE CONTRACTOR SHALL INSPECT AND PROVIDE NECESSARY MAINTENANCE EACH RAINFALL AND ON A DAILY BASIS.

# SEDIMENT & EROSION CONTROL PLAN, NOTES & DETAILS ELLICOTT OVERLOOK

LOTS 1 THRU 6

ZONED R-20 TAX MAP NO.: 16 GRID NO.: 23 PARCEL NO: 17 LOT NO.: 1 SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND SCALE: 1"=30' DATE: FEBRUARY, 2015

SHEET 4 OF 4

F-15-025