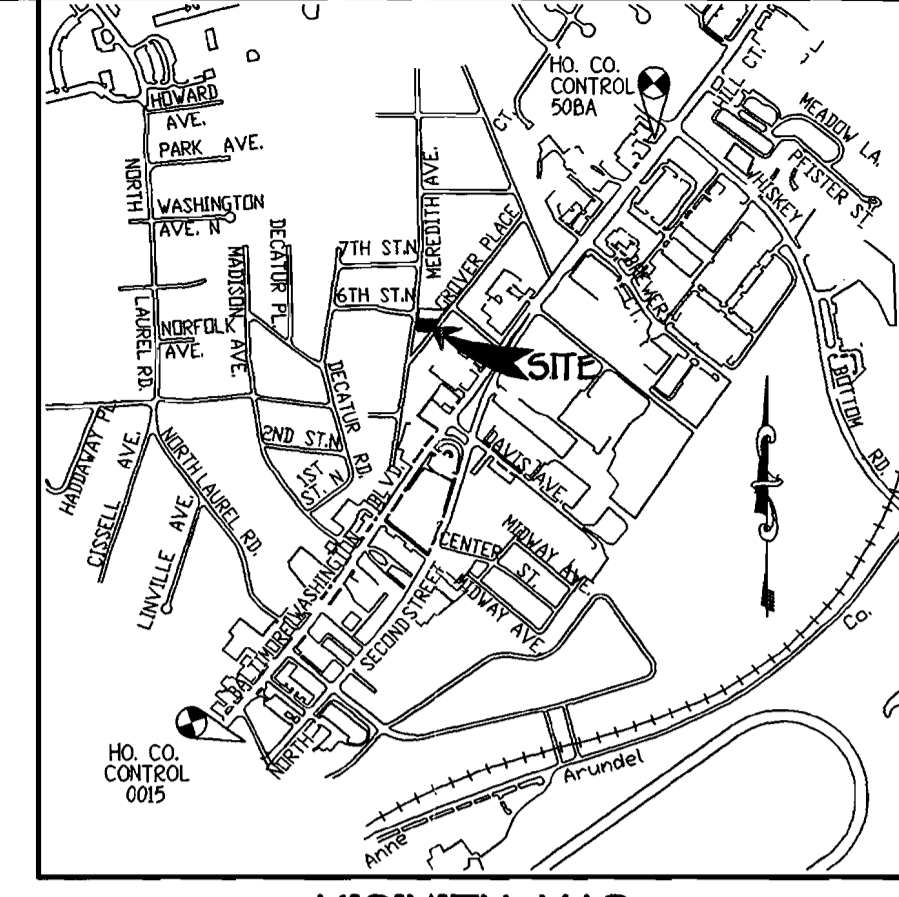


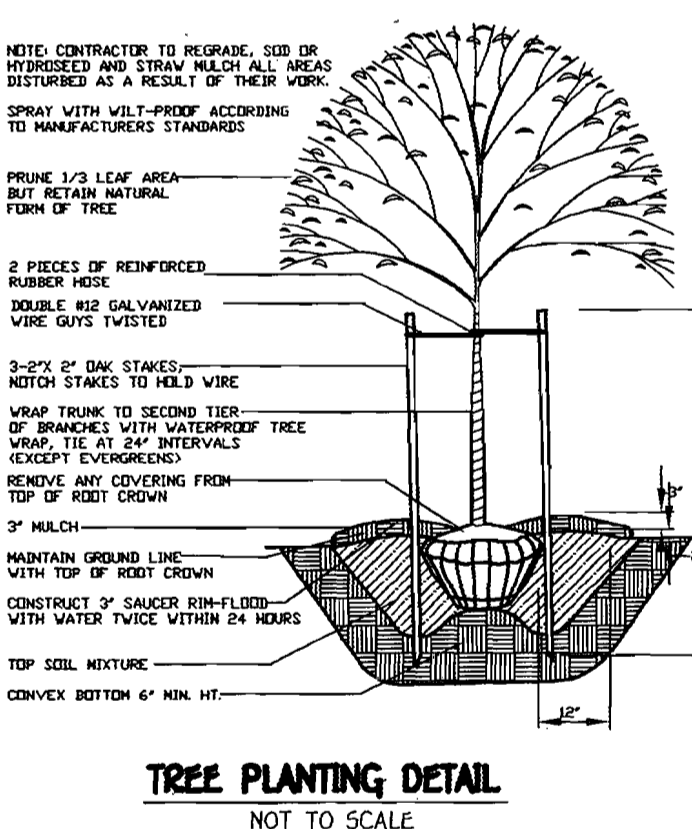
BENCH MARK
 NO. CO. CONTROL #508A 249.24
 N 165208.1233
 E 414.554.5166
 NEAR INTERSECTION OF
 U.S. RTE. 1 & WISKEYE BOTTOM RD.
 NO. CO. CONTROL #0015 240.16
 N 1650900.9970
 E 414.534.0350
 NEAR INTERSECTION OF
 U.S. RTE. 1 & MAC. ENTRANCE TO
 TURF HOTEL



LEGEND

SYMBOL	DESCRIPTION
---	EXISTING CONTOUR 2' INTERVAL
- - - -	PROPOSED CONTOUR 2' INTERVAL
---	SILT FENCE
---	SUPER SILT FENCE
X624.4	PROPOSED SPOT ELEVATION
TP	TREE PROTECTION
---	TREE LINE
LOD	LIMIT OF DISTURBANCE
○	PROPOSED SHADE TREES
●	PROPOSED EVERGREEN TREES

- GENERAL NOTES:**
- SUBJECT PROPERTY IS ZONED RSC PER 10/18/03 COMPREHENSIVE ZONING PLAN.
 - TOTAL AREA OF SUPPRESSION IS 52,102 SQ. FT. OR 0.95 AC.
 - THIS SITE DEVELOPMENT PLAN IS FOR SINGLE FAMILY DETACHED UNITS.
 - THIS SITE DEVELOPMENT PLAN IS SUBJECT TO THE FIFTH EDITION OF THE HO. CO. REGULATIONS.
 - THIS PROJECT IS SUBJECT TO HOWARD COUNTY FILES F-03-174, WAS CONTRACT NO. 24-1862-0.
 - BOUNDARY & TOPOGRAPHY SHOWN HEREON WAS PREPARED BY FISHER, COLLINS & CARTER, INC. OR ABOUT JANUARY, 2003 BY FISHER, COLLINS & CARTER, INC.
 - HORIZONTAL AND VERTICAL DATUMS ARE RELATED TO THE MARYLAND AND 83 (H&RZ) AND NGVD93 (VERT) AS PRODUCED FROM HOWARD COUNTY CONTROL STATIONS NO. 0095 & 508A STA. NO. 0095 N 1650900.9970 E 414534.0300 STA. NO. 508A N 1650812.3333 E 414534.5166
 - 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:
 - WIDTH - 12 FEET (4 FEET SERVING MORE THAN ONE RESIDENCE)
 - SURFACE - SIX (6) INCHES OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING, 1/2" MINIMUM
 - GEOMETRY - MAXIMUM SIX GRADE, MAXIMUM 10% GRADE CHANGE AND 45-FOOT TURNING RADIUS
 - STRUCTURES (CULVERTS/BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS (425-LOADING)
 - DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100 YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER SURFACE.
 - STRUCTURE CLEARANCES - MINIMUM 12 FEET.
 - MAINTENANCE - SUFFICIENT TO ENSURE ALL WEATHER USE.
 - WATER AND SEWER SERVICES TO THESE LOTS WILL BE GRANTED UNDER PROVISIONS OF SECTION 18122B OF THE HOWARD COUNTY CODE, PUBLIC WATER AND SEWER ALLOCATIONS.
 - NO 100 YEAR FLOODPLAIN EXISTS ON SITE.
 - A WETLAND REPORT WAS PREPARED BY ECO-SCIENCE PROFESSIONALS, INC. ON JANUARY, 2003. NO WETLANDS EXIST ON SITE.
 - LANDSCAPING FOR LOTS 31 AND 32 IS ON FILE WITH THIS PLAN AND IS PROVIDED IN ACCORDANCE WITH A CERTIFIED LANDSCAPE PLAN. LANDSCAPE SURETY FOR 3 SHADE TREES AND 2 EVERGREEN TREES IN THE AMOUNT OF \$120,000 IS DEFERRED UNTIL SITE DEVELOPMENT PLAN APPROVAL AND WILL BE POSTED WITH THE BUILDER'S PERMIT. LANDSCAPE SURETY FOR LOT 31 IS \$800.00 AND FOR LOT 32 IS \$200.00. A FEE IN LIEU OF PROVIDING OPEN SPACE HAS BEEN PAID IN THE AMOUNT OF \$150,000.
 - THIS PLAN IS SUBJECT TO FOREST CONSERVATION WITH SECTION 18120B(1) OF THE HOWARD COUNTY CODE AND FOREST CONSERVATION MANUAL SINCE IT IS A SUBDIVISION DEVELOPMENT OR GRADING PERMIT FOR DEVELOPMENT ON LAND WHICH IS LESS THAN 40,000 SQUARE FEET.
 - IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOL. 1, SECTION 5, STORMWATER MANAGEMENT FOR WATER QUALITY HAS BEEN MET BY MEANS OF A GRASS CHANNEL. QUANTITY MANAGEMENT IS NOT REQUIRED FOR THIS SITE SINCE THE 1 YEAR RATE OF RUNOFF IS LESS THAN 2.0 FS.
 - PRIVATE DRIVEWAY ACCESS TO LOTS 31 AND 32 WILL BE ABANDONED UPON CONSTRUCTION OF MEREDITH AVENUE AND RECONNECTED TO MEREDITH AVENUE ROADWAY.
 - GRAVITY SEWER SERVICE, FIRST FLOOR ONLY, FOR LOTS 31 AND 32. BASEMENT SEWER SERVICE SHALL BE PROVIDED BY ON-SITE PUMP.
 - FOR LOTS 31 AND 32, REFUSE COLLECTION, SNOW REMOVAL AND ROAD MAINTENANCE ARE PROVIDED TO THE JUNCTION OF THE PROPOSED DRIVEWAY AND MEREDITH AVENUE ROAD RIGHT-OF-WAY LINE ONLY AND NOT ONTO THE PRIVATE DRIVEWAY.
 - THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION INSPECTION DIVISION AT 410-313-1000 AT LEAST (5) FIVE WORKING DAYS 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 WORK.
 - IN ACCORDANCE WITH SECTION 12B OF THE HO. CO. ZONING REGULATIONS, BAY WINDOWS, CHIMNEYS OR EXTERIOR STAIRWAYS NOT MORE THAN 16 FEET IN WIDTH MAY PROJECT NOT MORE THAN 4 FEET INTO ANY SETBACKS, PORCHES OR DECKS OPEN OR EMPLOYED MAY PROJECT NOT MORE THAN 10 FEET INTO FRONT OR REAR YARD SETBACKS.
 - A DECLARATION OF MAINTENANCE OBLIGATION FOR THE USE-IN-COMMON DRIVEWAY HAS BEEN RECORDED IN PLAN NO. 18328, LIBER 07030, FOLIO 186.
 - THIS PLAN IS SUBJECT TO THE FIFTH EDITION SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AS AMENDED UNDER COUNCIL BILL NO. 45-2003, AND THE ZONING REGULATIONS AS AMENDED UNDER COUNCIL BILL NO. 50-2006.
 - PRIVATE DRIVEWAY ACCESS TO LOTS 31 AND 32 WILL BE ABANDONED UPON CONSTRUCTION OF MEREDITH AVENUE ROADWAY.



LANDSCAPING PLANT LIST

QTY.	SYMBOL	NAME	SIZE
3	○	ACER RUBRUM "OCTOBER GLORY" "OCTOBER RED MAPLE"	2 1/2" - 3" CALIPER FULL CROWN, B&B
2	●	PINUS STROBUS (EASTERN WHITE PINE)	6'-8" HEIGHT

LANDSCAPE NOTE:
 THE OWNER, TENANT AND/OR THEIR AGENTS SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE REQUIRED LANDSCAPING PLANT MATERIALS, BENCHES, FENCES AND WALLS. ALL PLANT MATERIALS SHALL BE MAINTAINED IN GOOD GROWING CONDITION AND WHEN NECESSARY, REPLACED WITH NEW MATERIALS TO ENSURE CONTINUED COMPLIANCE WITH APPLICABLE REGULATIONS. ALL OTHER REQUIRED LANDSCAPING SHALL BE PERMANENTLY MAINTAINED IN GOOD CONDITION AND WHEN NECESSARY, REPAIRED OR REPLACED.

SCHEDULE A - PERIMETER LANDSCAPE EDGE

PERIMETER CATEGORY	P-1 ADJACENT TO PERIMETER PROPERTIES	P-2 ADJACENT TO ROADWAYS (SIDE)	P-3 ADJACENT TO ROADWAYS (CORNER)	P-4 ADJACENT TO ROADWAY	TOTAL
LANDSCAPE TYPE	A	B	C	N/A	
LINEAR FEET OF PERIMETER	165.08 L.F.	170.00 L.F.	76.84 L.F.	138.67 L.F.	
CREDIT FOR EXISTING VEGETATION (NO, YES, AND #)	YES - 85.00 L.F.	YES - 170.00 L.F.	N/A	N/A	
NUMBER OF PLANTS REQUIRED	1 SHADE TREE 0 EVERGREENS 0 SHRUBS	0	2 SHADE TREES 2 EVERGREENS 0 SHRUBS	0 SHADE TREES 0 EVERGREENS 0 SHRUBS	3 SHADE TREES 2 EVERGREENS 0 SHRUBS
CREDIT FOR EXISTING VEGETATION	N/A	N/A	N/A	N/A	N/A
NUMBER OF PLANTS PROVIDED	1 SHADE TREE 0 EVERGREENS 0 SUBSTITUTION TREE 0 SHRUBS	0	2 SHADE TREES 2 EVERGREENS 0 SUBSTITUTION TREE 0 SHRUBS	0 SHADE TREES 0 EVERGREENS 0 SUBSTITUTION TREE 0 SHRUBS	3 SHADE TREES 2 EVERGREENS 0 SUBSTITUTION TREE 0 SHRUBS

LANDSCAPE NOTE:
 LANDSCAPING FOR LOTS 31 AND 32 SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 18124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL, AND AS SHOWN ON THIS PLAN FILED WITH HOWARD COUNTY. THE LANDSCAPE OBLIGATION FOR LOT 31 WILL BE FULFILLED BY PROVIDING 1 SHADE TREE AND FOR LOT 32 WILL BE FULFILLED BY PROVIDING 2 SHADE TREES AND 2 EVERGREEN TREES. LANDSCAPE SURETY IN THE AMOUNT OF \$120,000 (\$60,000/SHADE TREE x 3 SHADE TREES AND \$60,000/EVERGREEN TREE x 2 EVERGREEN TREES) AND WILL BE POSTED WITH THE BUILDER'S GROWING PERMIT FOR LOTS 31 AND 32.

SOILS LEGEND

SOIL	NAME	CLASS
ScD	Sandy and clayey land, moderately sloping	B
ScB	Sandy and clayey land, gently sloping	B

NOTES:
 * Hydric soils and/or contains hydric inclusions
 ** May contain hydric inclusions
 † Generally only within 100-year floodplain areas

DEVELOPER'S/BUILDER'S CERTIFICATE
 I/We certify that the Landscaping shown on this Plan will be done according to Section 18124 of the Howard County Code and the Howard County Landscape Manual. I/We further certify that upon completion, a Letter of Notice Accompanied by an Executed One Year Guarantee of Plant Materials will be submitted to the Department of Planning and Zoning.
 B. O. Boy 12/15/03
 BRIAN BOY DATE

DESIGN BY: JME
 DRAWN BY: BLP
 CHECKED BY: JME

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21042
 410-481-2255

ENGINEER'S CERTIFICATE
 I certify that this plan for sediment and erosion control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.
 Earl D. Collins 12/12/03
 Signature of Engineer EARL D. COLLINS Date

DEVELOPER'S CERTIFICATE
 I/We certify that all development and construction will be done according to this plan for sediment and erosion control, and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District.
 Brian Boy 12/15/03
 Signature of Developer BRIAN BOY Date

Reviewed for HOWARD SCD and meets Technical Requirements.
 Jim Myers 12-30-03
 U.S. Natural Resources Conservation Service Date
 This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.
 John Kolman 12-30-03
 Howard SCD Date

OWNER/BUILDER/DEVELOPER
 CORNERSTONE HOLDINGS, L.L.C.
 9691 NORFOLK AVENUE
 LAUREL, MARYLAND 20723
 410-792-2565

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 Director - Department of Planning and Zoning 1/16/04
 Chief, Planning and Zoning Development 1/9/04
 Chief, Development Engineering Division 1/9/04

SUBDIVISION	SECTION/AREA	LOT NO.
NORTH LAUREL PARK	BLOCK '5'	31 & 32

PLAT NO.	BLOCK NO.	ZONE	TAX/ZONE	ELEC. DIST.	CENSUS TR.
1832B	4	RSC	50	6TH	6069.03

WATER CODE	SEWER CODE
C-05	7103500

SITE & SEDIMENT/EROSION CONTROL PLAN

SINGLE FAMILY DETACHED
NORTH LAUREL PARK
 LOTS 31 & 32
 BLOCK '5'
 DPZ FILE NO: F-03-174
 TAX MAP NO: 50 PARCEL NO: 426 GRID NO: 4
 SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1" = 20' OCTOBER, 2003
 SHEET 1 OF 2

SDP 04-065

20.0 STANDARDS AND SPECIFICATIONS FOR VEGETATIVE STABILIZATION

DEFINITION

Using vegetation as cover for barren soil to protect the forces that cause erosion.

PURPOSE

Vegetative stabilization specifications are used to promote the establishment of vegetation on exposed soil. When soil is stabilized with vegetation, the soil is less likely to erode and more likely to allow infiltration of rainfall, thereby reducing sediment loads and runoff to downstream areas, and improving wildlife habitat and visual resources.

CONDITIONS WHERE PRACTICE APPLIES

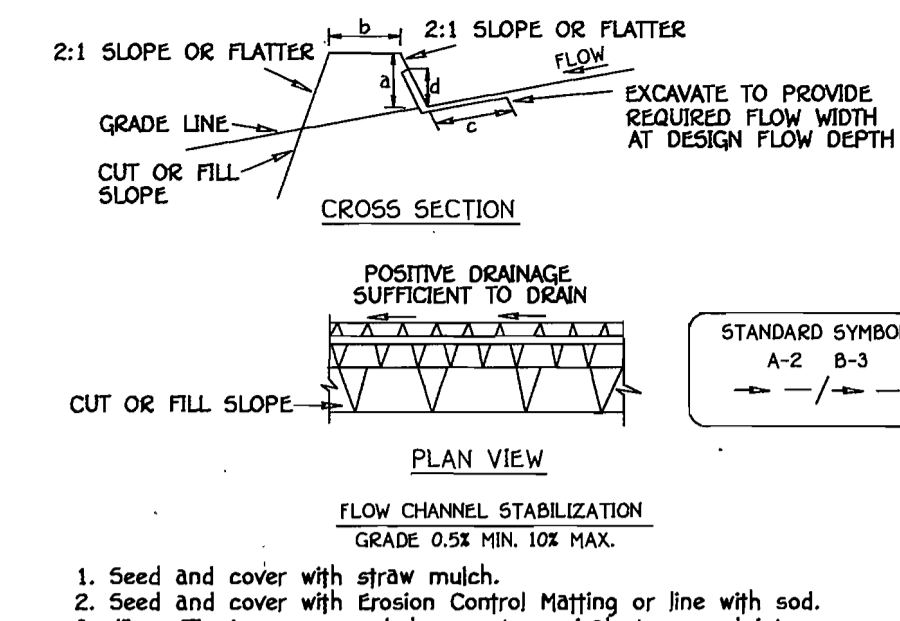
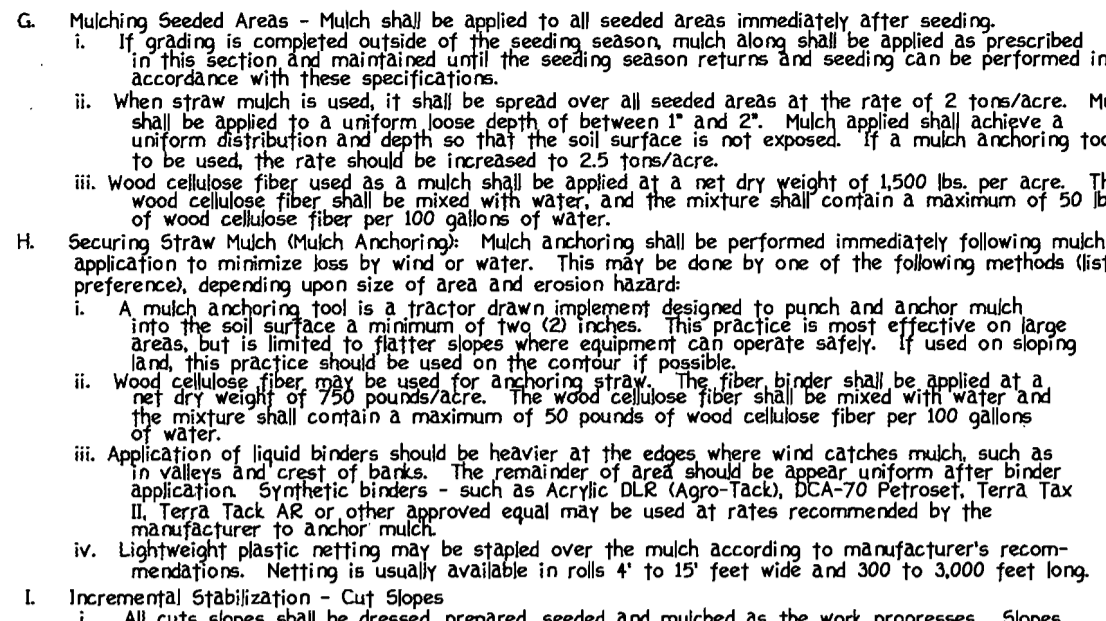
This practice shall be used on denuded areas as specified on the plans and may be used on highly erodible or critically eroding areas. This specification is divided into Temporary Seeding to quickly establish vegetative cover for short duration (30 days to one year), and Permanent Seeding for long term vegetative cover. Examples of applicable areas for Temporary Seeding are temporary soil stockpiles, cleared areas being left idle between construction phases, earth fills, etc. and for Permanent Seeding are lawns, dunes, cut and fill slopes and other areas at final grade, former stockpile and staging areas, etc.

EFFECTS ON WATER QUALITY AND QUANTITY

Planting vegetation in disturbed areas will have an effect on the water budget; especially on volumes and rates of runoff, infiltration, evaporation, transpiration, percolation, and groundwater recharge. Vegetation over time, will increase organic matter content and improve the water holding capacity of the soil and subsequent plant growth. Vegetation will reduce the movement of sediment, nutrients, and other chemicals carried by runoff to receiving waters. Plants will also help protect groundwater supplies by assimilating those substances present within the root zone. Sediment control devices must remain in place during grading, seeded preparation, seeding, mulching and permanent establishment to prevent large quantities of sediment and associated chemicals and nutrients from washing into surface waters.

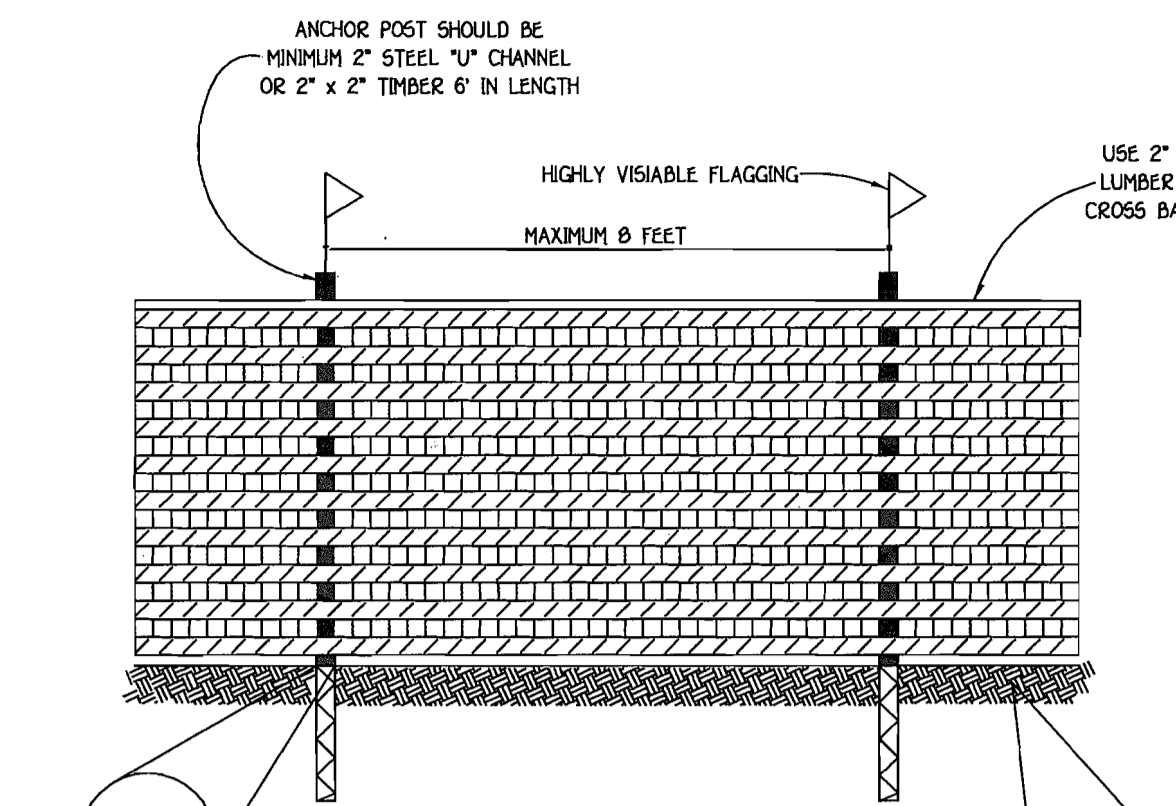
SECTION 1 - VEGETATIVE STABILIZATION METHODS AND MATERIALS

- Site Preparation**
 - Install erosion and sediment control structures (either temporary or permanent) such as diversions, grade stabilization structures, berms, waterways, or sediment control basins.
 - Perform all grading operations at right angles to the slope. Final grading and shaping is not usually necessary for temporary seeding.
 - Schedule required soil tests to determine soil amendment composition and application rates for sites having disturbed areas over 5 acres.
- Soil Amendments (Fertilizer and Lime Specifications)**
 - Soil tests must be performed to determine the exact ratios and application rates for both lime and fertilizer on sites having disturbed areas over 5 acres. Soil analysis may be performed by the University of Maryland or a recognized commercial laboratory. Soil samples taken for engineering purposes may also be used for chemical analyses.
 - Fertilizers shall be uniform in composition, free flowing and suitable for accurate application by approved equipment. Fertilizers shall all be delivered to the site fully labeled according to applicable state fertilizer laws and shall bear the name, trade name or trademark and warranty of the producer.
 - Lime materials shall be ground limestone 60-dried or burnt lime may be substituted which contains at least 50% total calcium oxide plus magnesium oxide. The material shall be screened to a #20 mesh size, with at least 50% will pass through a #100 mesh sieve and 90-100% will pass through a #20 mesh sieve.
 - Incorporate lime and fertilizer into the top 3-5" of soil by diking or other suitable means.
- Seeded Preparation**
 - Seeded preparation shall consist of loosening soil to a depth of 3" to 5" by means of suitable mechanical or construction equipment, such as disc harrows or chisel plows or rippers mounted on construction equipment. After the soil is loosened it should not be rolled or dragged smooth, but left in the roughened condition. Slopes shall be greater than 3:1 should be tracked leaving the surface in an irregular condition with ridges running parallel to the contour of the slope.
 - Apply fertilizer and lime as prescribed on the plans.
 - Incorporate lime and fertilizer into the top 3-5" of soil by diking or other suitable means.
- Permanent Seeding**
 - Minimum soil conditions required for permanent vegetative establishment:
 - Soil pH shall be between 6.0 and 7.0.
 - Soil moisture shall be less than 500 parts per million (ppm).
 - The soil shall contain less than 400 clay, but enough fine grained material (0.075 to 0.25 mm) to provide the capacity to hold a moderate amount of moisture. An exception is if loesslike or silty loesslike soils are to be planted, then a silty soil (0.075 to 0.25 mm) may be acceptable.
 - Soil shall contain 1.5% minimum organic matter by weight.
 - Soil must contain sufficient pore space to permit adequate root penetration.
 - If these conditions cannot be met by soil as received, topsoil is required. In accordance with Section 21.0 Standard and Specification for Topsoil.
 - Areas previously graded in conformance with the drawings shall be maintained in a true and even grade, then scarified or otherwise loosened to a depth of 3" to 5" to permit bonding of the topsoil to the surface area and to create horizontal erosion check areas to prevent topsoil from sliding down a slope.
 - Apply amendments as per soil test or as included on the plans.
 - Mix soil amendments into the top 3-5" of topsoil by diking or other suitable means. Lawn areas shall be rolled to smooth the surface, remove large objects like stones and branches, and re-roll the area for seed application. Where site conditions do not permit normal seeded preparation, loosen surface soil by dragging with a heavy chain or other equipment to roughen the surface. Steep slopes (steeper than 3:1) should be tracked by a dicker leaving the soil in an irregular condition with ridges running parallel to the contour of the slope. The top 1-3" of soil should be loose and friable. Seeded loosening may not be necessary on newly disturbed areas.
- Seed Specifications**
 - All seed must meet the requirements of the Maryland State Seed Law. All seed shall be subject to re-testing by a recognized commercial laboratory. The seed shall have been tested within the 6 months immediately preceding the date of sowing such material on this job.
 - Note: Seed lots shall be made of seed of one variety and one type and rate of seed used.
 - Inoculant - The inoculant for treating legume seed in the seed mixture shall be a pure culture of rhizobium bacteria, which is recommended for the species. Inoculants shall not be used later than the date indicated on the container. Add fresh inoculant as directed on package. Use four times the recommended rate if the seed is to be stored for more than 30 days before use. Use four times the recommended rate if temperatures above 75-80° F. can weaken bacteria and make the inoculant less effective.
- Methods of Seeding**
 - Hydroseeding** - Apply seed uniformly with hydroseeder (slurry includes seed and fertilizer), broadcast or drop seeding.
 - If fertilizer is being applied at the time of seeding, the application rates amounts will not exceed the following: Nitrogen maximum of 100 lbs/acre total of soluble nitrogen; Phosphorus maximum of 200 lbs/acre total of soluble phosphorus; Potassium maximum of 200 lbs/acre total of soluble potassium.
 - Lime - use only ground agricultural limestone, up to 3 tons per acre may be applied by hydroseeding. Normally, not more than 2 tons are applied by hydroseeding at any one time. Do not use burnt or hydrated lime when hydroseeding.
 - Seed and fertilizer shall be mixed on site and seeding shall be done immediately and without interruption.
 - Drop Seeding** - This includes use of conventional drop or broadcast spreaders.
 - Seed spread rate shall be incorporated into the subsoil at the rates prescribed on the Temporary or Permanent Seeding Specifications or Tables 25.0 or 26.0. Seeded areas shall then be rolled with a weighted roller to provide good seed to soil contact.
 - Where practical, seed should be applied in the directions perpendicular to each other. Apply half the seeding rate in each direction.
 - Drill or Cultipacker Seeding** - Mechanized seeders that apply and cover seed with soil.
 - Drilling seeders are required to bury the seed in such a fashion as to provide at least 1/4 inch of soil covering. Seeded must be tracked by a dicker leaving the soil in an irregular condition with ridges running parallel to the contour of the slope. Apply half the seeding rate in each direction.
- Mulch Specifications**
 - Straw shall consist of thoroughly threshed wheat, rye or oat straw, reasonable bright in color, and shall not be overly moldy, chafed, decayed, or excessively dusty and shall be free of noxious weed seeds as specified in the Maryland State Seed Law.
 - Wood Cellulose Fiber shall be made on site and seeding shall be done immediately and without interruption.
 - WCMF shall consist of specially prepared wood cellulose processed into a uniform fibrous physical form.
 - WCMF shall be dry green or contain a green dye in the package that will provide an appropriate color for realistic visual fiber to the uniformly spread straw.
 - WCMF, including dye, shall contain no germination or growth inhibiting factors.
 - WCMF materials shall be manufactured and processed in such a manner that the wood cellulose fiber mulch will remain in uniform suspension in water under agitation and will blend with seed, fertilizer and other additives to form a homogeneous slurry. The mulch material shall remain in uniform suspension in water under agitation, having moisture absorption and permeation properties and shall cover and hold grass seed every 4" of soil.
 - WCMF material shall contain no elements or compounds at concentrations that will be toxic to the seed.
 - WCMF must conform to the following physical requirements: fiber length to be 1/4" to 3/4"; moisture content to be 10% to 15%; ash content of 10% maximum and water holding capacity of 50% minimum.
 - Only sterile straw mulch should be used in areas where one species of grass is desired.



- Seed and cover with straw mulch.
- Seed and cover with Erosion Control Matting or line with seed.
- 4" - 7" stone or recycled concrete equivalent pressed into the soil 7" minimum.

- #### Construction Specifications
- All temporary earth dikes shall have uninterrupted positive grade to an outlet. Spot elevations may be necessary for grades less than 1:1.
 - Runoff diverted from a disturbed area shall be conveyed to a sediment trapping device.
 - Runoff diverted from an undisturbed area shall outlet directly into an undisturbed, stabilized area at a non-erosive velocity.
 - Construction shall be constructed in life as prescribed on the plans.
 - Slopes shall be stabilized immediately when the vertical height of the multiple lifts reaches the top of the last lift. Temporary berms and pipe slope drains should be constructed along the top edge of the embankment to intercept surface runoff and convey it down the slope in a non-erosive manner to a sediment trapping device.
 - Construction shall be stabilized at temporary swales, side ditches, or berms that will be used to divert runoff around the fill. Construct slope side fence on low side of fill as shown in Figure 2, unless other methods shown on the plans address this area.
 - Place Phase 1 embankment, dress and stabilize.
 - Place final phase embankment, dress and stabilize. Overseed previously seeded areas as directed.
- Note: Once the placement of fill has begun the operation should be continuous from grubbing through the completion of placement of topsoil of required grading and permanent seed and mulch. Any interruptions in the operation or completing the operation out of the seeding season will necessitate the application of temporary stabilization.



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- Note: Once the placement of fill has begun the operation should be continuous from grubbing through the completion of placement of topsoil of required grading and permanent seed and mulch. Any interruptions in the operation or completing the operation out of the seeding season will necessitate the application of temporary stabilization.

BLAZE ORANGE PLASTIC MESH TREE PROTECTION DETAIL

NOT TO SCALE

DIKE A	DIKE B
a-DIKE HEIGHT 18" 30"	b-DIKE HEIGHT 24" 36"
c-FLOW WIDTH 4" 6"	d-FLOW WIDTH 12" 24"
e-FLOW DEPTH 1" 2"	f-FLOW DEPTH 4" 6"

EARTH DIKE

NOT TO SCALE

PERMANENT SEEDING NOTES

ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:
SEEDING PREPARATION:
 LOOSEN UPPER THREE INCHES OF SOIL BY RACING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.
SOIL AMENDMENTS:
 APPLY TWO TONS PER ACRE DOLOMITE LIMESTONE (92 LBS./100 SQT.) AND 600 LBS. PER ACRE 0-20-20 FERTILIZER (14 LBS./100 SQT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 600 LBS. PER ACRE 38-0-0 NUTRIENT FERTILIZER (15 LBS./100 SQT.) AND 500 LBS. PER ACRE (15 LBS./100 SQT.) OF 10-20-20 FERTILIZER.

TEMPORARY SEEDING NOTES

APPLY TO GRAZED OR CLEARED AREAS LIKELY TO BE RESTORED WITH A SHORT-TERM VEGETATIVE COVER AS NEEDED.
SEEDING PREPARATION:
 LOOSEN UPPER THREE INCHES OF SOIL BY RACING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.
SOIL AMENDMENTS:
 APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER OR LBS./100 SQT.)
SEEDING:
 FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 100 LBS./ACRE (2.3 LBS./100 SQT.) OF CENTURY 3 TALL FESCUE. FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH LBS./ACRE (4 LBS./100 SQT.) OF CENTURY 3 TALL FESCUE AND 2 LBS. PER ACRE (0.025 LBS./100 SQT.) OF WEeping LOVEGRASS. DURING THE PERIOD NOVEMBER 1 THROUGH FEBRUARY 28, PROJECT SITE BY OPTION D - TWO TONS PER ACRE OF WELL ANDERSON STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION D - USE 500 LBS. OF SEED WITH 100 LBS./ACRE CENTURY 3 TALL FESCUE AND MULCH WITH TWO TONS/ACRE WELL ANDERSON STRAW. ALL SLOPES SHOULD BE HYDROSEEDED.

SEEDING

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MULCHING

APPLY 1 TO 2 TONS PER ACRE (10 TO 20 LBS./100 SQT.) OF UNWEPT SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. HARROW MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE (5 GALL./100 SQT.) OF EMULSIFIED ASPHALT ON FLAT AREAS ON SLOPES 6 FEET OR HIGHER USE 340 GALLONS PER ACRE (8 GALL./100 SQT.) FOR ANCHORING.

MAINTENANCE

INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDING.

FOR PUBLIC PONDS SUBSTITUTE CHEMPUR GRANOWEATH AT 15 LBS./ACRE AND CENTURY 3 TALL FESCUE AT 40 LBS./ACRE AS TO ALL OTHERS.

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