

21.0 STANDARDS AND SPECIFICATIONS FOR TOPSOIL

III. FOR SITES HAVING DISTURBED AREAS OVER 5 ACRES:

TO BRING THE SOIL INTO COMPLIANCE WITH THE FOLLOWING:

500 PARTS PER MILLION SHALL NOT BE USED.

THE PH TO 6.5 OR HIGHER.

1.5 PERCENT BY WEIGHT

PHYTO-TOXIC MATERIALS.

STABILIZATION METHODS AND MATERIALS.

NATURAL TOPSOIL.

V. TOPSOIL APPLICATION

SEDIMENT TRAPS AND BASINS.

8" HIGHER IN ELEVATION.

OR WATER POCKETS.

I. ON SOIL MEETING TOPSOIL SPECIFICATIONS, OBTAIN TEST

RESULTS DICTATING FERTILIZER AND LIME AMENDMENTS REQUIRED

A. PH FOR TOPSOIL SHALL BE BETWEEN 6.0 AND 7.5. IF

THE TESTED SOIL DEMONSTRATES A PH OF LESS THAN

6.0, SUFFICIENT LIME SHALL BE PRESCRIBED TO RAISE

B. ORGANIC CONTENT OF TOPSOIL SHALL BE NOT LESS THAN

D. NO SOD OR SEED SHALL BE PLACED ON SOIL SOIL WHICH

USED FOR WEED CONTROL UNTIL SUFFICIENT TIME HAS

ELAPSED (14 DAYS MIN.) TO PERMIT DISSIPATION OF

NOTE: TOPSOIL SUBSTITUTES OR AMENDMENTS, AS RECOMMENDED

I. WHEN TOPSOILING, MAINTAIN NEEDED EROSION AND

STABILIZATION STRUCTURES, EARTH DIKES, SLOPE SILT FENCE AND

BEEN PREVIOUSLY ESTABLISHED, SHALL BE MAINTAINED, ALBEIT 4"

II. GRADES ON THE AREAS TO BE TOPSOILED, WHICH HAVE

III. TOPSOIL SHALL BE UNIFORMLY DISTRIBUTED IN A 4" -

SPREADING SHALL BE PERFORMED IN SUCH A MANNER THAT SODDING

CORRECTED IN ORDER TO PREVENT THE FORMATION OF DEPRESSIONS

SUBSOIL IS IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBSOIL

IS EXCESSIVELY WET OR IN A CONDITION THAT MAY OTHERWISE BE

DETRIMENTAL TO PROPER GRADING AND SEEDBED PREPARATION.

IV. TOPSOIL SHALL NOT BE PLACE WHILE THE TOPSOIL OR

OR SEEDING CAN PROCEED WITH A MINIMUM OF ADDITIONAL SOIL

RESULTING FROM TOPSOILING OR OTHER OPERATIONS SHALL BE

PREPARATION AND TILLAGE, ANY IRREGULARITIES IN THE SURFACE

SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS, GRADE

BY A QUALIFIED AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY

THE APPROPRIATE APPROVAL AUTHORITY, MAY BE USED IN LIEU OF

HAS BEEN TREATED WITH SOIL STERILANTS OR CHEMICALS

C. TOPSOIL HAVING SOLUBLE SALT CONTENT GREATER THAN

PLACEMENT OF TOPSOIL OVER A PREPARED SUBSOIL PRIOR TO ESTABLISHMENT OF PERMANENT VEGETATION.

TO PROVIDE A SUITABLE SOIL MEDIUM FOR VEGETABLE 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:

A. THE TEXTURE OF THE EXPOSED SUBSOIL/PARENT MATERIAL IS NOT ADEQUATE TO PRODUCE VEGETATIVE GROWTH.

B. THE SOIL MATERIAL IS SO SHALLOW THAT THE ROOTING ZONE IS NOT DEEP ENOUGH TO SUPPORT PLANTS OR FURNISH

C. THE ORIGINAL SOIL TO BE VEGETATED CONTAINS MATERIAL TOXIC TO PLANT GROWTH.

CONTINUING SUPPLIES OF MOISTURE AND PLANT NUTRIENTS.

D. THE SOIL IS SO ACIDIC THAT TREATMENT WITH LIMESTONE IS NOT FEASIBLE.

STABILIZATION SHOWN ON THE PLANS.

AGRICULTURAL EXPERIMENTAL STATION.

II. FOR THE PURPOSE OF THESE STANDARDS AND SPECIFICATIONS. AREAS HAVING SLOPES STEEPER THAN 2:1 REQUIRE SPECIAL CONSIDERATION AND DESIGN FOR ADEQUATE STABILIZATION. AREAS HAVING SLOPES STEEPER THAN 2:1 SHALL HAVE THE APPROPRIATE

CONSTRUCTION AND MATERIAL SPECIFICATIONS 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

II. TOPSOIL SPECIFICATIONS - SOIL TO BE USED AS TOPSOIL MUST MEET THE FOLLOWING:

PUBLISHED BY USDA-SCS IN COOPERATION WITH MARYLAND

I. TOPSOIL SHALL BE A LOAM, SANDY LOAM, CLAY LOAM, SILT LOAM, SANDY CLAY LOAM, LOAMY SAND. OTHER SOILS MAY BE USED IF RECOMMENDED BY AN AGRONOMIST OR A SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY. REGARDLESS. TOPSOIL SHALL NOT BE A MIXTURE OF CONTRASTING TEXTURED SUBSOILS AND SHALL CONTAIN LESS THAN 5% BY VOLUME OF CINDERS, STONES, SLAG, COARSE FRAGMENTS, GRAVEL, STICKS, ROOTS, TRASH, OR OTHER MATERIALS LARGER THAT 1 AND 1/2" IN DIAMETER.

II. TOPSOIL MUST BE FREE OF PLANTS OR PLANT PARTS SUCH AS BERMUDA GRASS, QUACKGRASS, JOHNSONGRASS, NUTSEDGE, POISON IVY, THISTLE, OR OTHERS AS SPECIFIED.

III. WHERE THE SUBSOIL IS EITHER HIGHLY ACIDIC OR COMPOSED OF HEAVY CLAYS, GROUND LIMESTONE SHALL BE SPREAD AT THE RATE OF 4-8 TONS/ACRE (200-400 POUNDS PER 1,000 SQUARE FEET) PRIOR TO THE PLACEMENT OF TOPSOIL. LIME SHALL BE DISTRIBUTED UNIFORMLY OVER DESIGNATED AREAS AND WORKED INTO THE SOIL IN CONJUNCTION WITH TILLAGE OPERATIONS AS DESCRIBED IN THE FOLLOWING PROCEDURES.

IL FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES:

APPROVED: HOW

MU

DIRECTOR

Was.

I. PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 20.0 VEGETATIVE STABILIZATION -ECTION 1 - VEGETATIVE STABILIZATION METHODS AND MATERIAL!

PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE

SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY

SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:

- 1) PREFERRED-APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/ 100 SQ.FT.) AND 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS./ 1000 SQ.FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL, AT THE TIME OF SEEDING, APPLY 400 LBS, PER ACRE 30-0-0 UREAFORM FERTILIZER (9 LBS/1000 SQ.FT.)
- 2) ACCEPTABLE-APPLY 2 TONS PER ACRE DOLOMATIC LIMESTONE (92 LBS/ 1000 SQ.FT.) AND APPLY 1000 LBS. PER ACRE 10-10-10- FERTILIZER (23 LBS./1000 SQ.FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL.

SEEDING: FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 60 LBS, PER ACRE (1.4 LBS/1000 SQ.FT.) OF II. PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMMENDMENTS KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED SPECIFIED IN 20.0 VEGETATIVE STABILIZATION-SECTION I-VEGETATIVE WITH 60 LBS. KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS. PER ACRE (.05 LBS./1000 SQ.FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 28, PROTECT SITE BY: OPTION (1) 2 TONS PER ACRE WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OPTION (2) USE SOD, OPTION (3) SEED WITH 60 LBS/ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL ANCHORED

> MULCHING: APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ. FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL/1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ.FT.) FOR ANCHORING

MAINTENANCE: INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, 8" LAYER AND LIGHTLY COMPACTED TO A MINIMUM THICKNESS OF 4". REPLACEMENTS AND RESEEDINGS.

TEMPORARY SEEDING NOTES

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./1000 SQ.FT).

SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU NOVEMBER 15, SEED WITH 2 1/2 BUSHEL PER ACRE OF ANNUAL RYE (3.2 LBS./1000 SQ.FT.) FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS. PER ACRE OF WEEPING LOVEGRASS (.07 LBS./1000 SQ.FT.). FOR THE PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOD.

MULCHING: APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL/1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ.FT.) FOR ANCHORING.

REFER TO THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT

SEQUENCE OF CONSTRUCTION

- 1. OBTAIN GRADING PERMIT. 2. INSTALL SEDIMENT CONTROL AS SHOWN ON PLAN IN
- ACCORDANCE WITH DETAILS.(1- DAY) 3. CLEAR AND ROUGH GRADE SITE.(1 WEEK)
- 4. CONSTRUCT HOUSES.(6 MONTHS)
- 5. FINE GRADE AND STABILIZE THE SITE WITH TOPSOIL AND SEEDING (SEE NOTES THIS PLAN).(3 DAYS)
- 6. INSTALL RAIN GARDEN LOT 2. (3 DAYS) 7. AFTER THE SITE IS PERMANENTLY STABILIZED AND AND PERMISSION IS GRANTED FROM HOWARD COUNTY SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT

CONTROLS AND STABILIZE ANY REMAINING DISTURBED AREAS.

SEDIMENT CONTROL NOTES

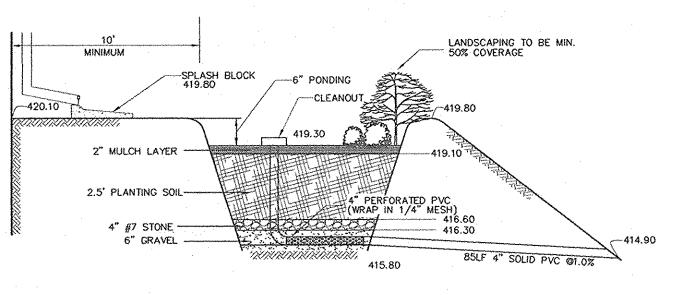
- 1. A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTION, LICENSE AND PERMITS SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (313-1855).
- 2. ALL VEGETATION AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- 3. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: (A) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES, AND ALL SLOPES GREATER THAN 3:1. (B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE
- 4. ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 7, HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- 5. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING, SOD, TEMPORARY SEEDING, AND MULCHING (SEC. G), TEMPORARY STABILIZATION WITH MULCH ALONE SHALL BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- 6. 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.
- 7. SITE ANALYSIS : TOTAL 47,920 SF OR 1.10 AC AREA DISTURBED AREA TO BE ROOFED OR PAVED AREA TO BE VEGETATIVELY STABILIZED TOTAL CUT
- 8. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.

TOTAL FILL

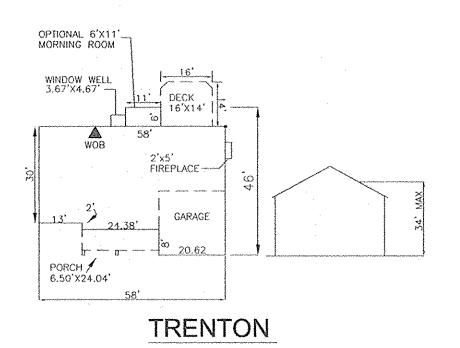
OFFSITE WASTE/BORROW AREA LOCATION

- 9. ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- 10. 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.
- 11. TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH SHALL BE BACK-FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

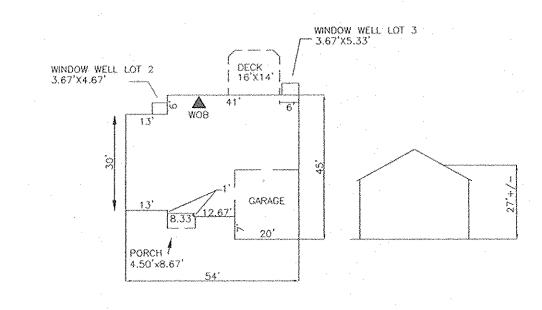
PERIOD NOVEMBER 1 THRU FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS + TO BE DETERMINED BY CONTRACTOR, WITH PRE-APPROVAL OF THE SEDIMENT CONTROL INSPECTOR WITH AN APPROVED AND ACTIVE GRADING PERMIT



TYPICAL RAIN GARDEN CROSS SECTION LOT 2 NOT TO SCALE

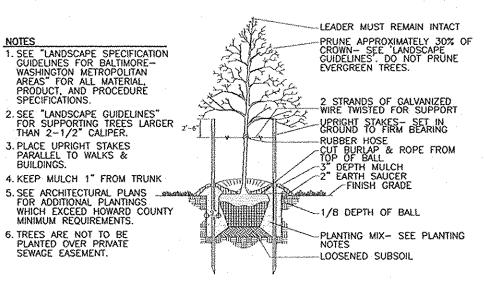


SCALE; 1"=30'

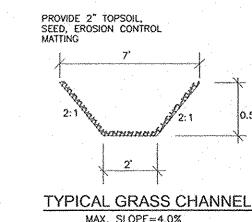


YORKSHIRE MANOR

SCALE; 1"=30'

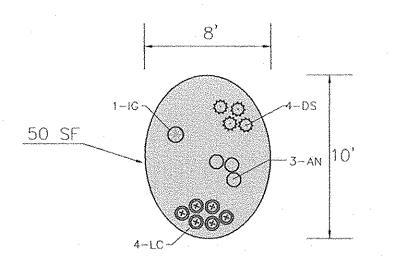


TREE PLANTING AND STAKING DECIDUOUS TREES UP TO 2-1/2" CALIPER



NOT TO SCALE

NOT TO SCALE



RAIN GARDEN PLANTING DETAIL

OPERATION AND MAINTENANCE SCHEDULE FOR RAIN GARDEN AREAS

I, ANNUAL MAINTENANCE OF PLANT MATERIAL, MULCH LAYER AND ANNOAL MAINTENANCE OF PLANT MATERIAL, MULCH LAYER AND SOIL LAYER IS REQUIRED. MAINTENANCE OF MULCH AND SOIL IS LIMITED TO CORRECTING AREAS OF EROSION OR WASH OUT. AN' MULCH REPLACEMENT SHALL BE DONE IN THE SPRING. PLANT MATERIAL SHALL BE CHECKED FOR DISEASE AND INSECT INFESTATION AND MAINTENANCE WILL ADDRESS DEAD MATERIAL

2. SCHEDULE OF PLANT INSPECTION WILL BE TWICE A YEAR IN SPRING AND FALL. THIS INSPECTION WILL INCLUDE REMOVAL OF TREATMENT OF ALL DEFICIENT STAKES AND WIRES. 3. MULCH SHALL BE INSPECTED EACH SPRING. REMOVE PREVIOUS MULCH LAYER BEFORE APPLYING NEW LAYER ONCE EVERY 2 TO 3

4. SOIL EROSION TO BE ADDRESSED ON AN AS NEEDED WITH A MINIMUM OF ONCE PER MONTH AND AFTER HEAVY STORM EVENTS.

RAINGARDEN PLANT LIST(EACH)(SURFACE AREA=77SF)						
QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE			
‡	ILEX GLABRA	INK BERRY	2 '-3' HT.			
4	LOBELEA CARDINALIS	CARDINAL FLOWER LOBELIA	1 GAL. CONTAINER			
4	DRYOPTERIS SP.	WOOD FERN	1 GAL. CONTAINER			
Š	ASTER NOVAE-ANGLIAE	NEW ENGLAND ASTER	1 GAL. CONTAINER			

DEVELOPER'S CERTIFICATE

I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16,124 OF THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE 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

6-18-07

REVISION DATE SITE DEVELOPMENT PLAN DETAILS STEEPLE CHASE LOTS 1-3

SINGLE FAMILY DETACHED

TAX MAP 17 GRID 23 2ND ELECTION DISTRICT

PARCEL 426 AND P/O PARCEL 145 HOWARD COUNTY, MARYLAND

ROBERT H. VOGEL ENGINEERING, INC. ENGINEERS . SURVEYORS . PLANNERS 8407 MAIN STREET TEL: 410.461.7666 ELLICOTT CITY, MD 21043 FAX: 410.461.8961

CAS SOL

BERT H VOGEL, PE #1619

DESIGN BY: DRAWN BY: CHECKED BY:_ SCALE: W.O. NO.:

SHEET

DETAIL 33 - SUPER SILT FENCE DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE **DETAIL 30 - EROSION CONTROL MATTING DETAIL 22 - SILT FENCE** 36" MINIMUM LENGTH FENCE POST BRIVEN A MINIMUM OF 16" INTO SHALL NOT EXCEED IN CENTER TO CENTER 34" MINIMUM EARTH FILL PIPE AS NECESSARY GEOTEXTILE CLASS F ** GEOTEXTILE CLASS
'C' OR BETTER GROUND 1 SURFACE MINIMUM 6" OF 2"- 3" AGGREGATE OVER LENGTH AND WIOTH OF STRUCTURE 6" MINIMUM LEXISTING GROUND CROSS-SECTION PROFILE 21/2" DIAMETER - * 50' MINIMUM ----WITH I LAYER OF FILTER CLOTH L-8" MINIMUM 36" MINIMUM FENCE-POST LENGTH PERSPECTIVE VIEW CHAIN LINK FENCING -FENCE POST SECTION - MINIMUM 20" ABOVE FLOW _____FILTER CLOTH ___ 34" MINIMUM 2555777 EXISTING PAVEMENT ENSED LIFTER CTOTH 8. -- I MINIMUM INTO GROUND - FENCE POST DRIVEN TOP VIEW "IF MULTIPLE LAYERS ARI AINIMUM OF 16" INTO STANDARD SYMBOL REQUIRED TO ATTAIN 42° ----- SSF ------PLAN VIEW SECTION B CONSTRUCTION SPECIFICATION CONSTRUCTION SPECIFICATIONS 1. LENGTH - MINIMUM OF 50' (* 30' FOR A SINGLE RESIDENCE LOT). 1. FENCING SHALL BE 42" IN HEIGHT AND CONSTRUCTED IN ACCORDANCE WITH THE STANDARO SYMBOL DYPICAL STAPLES NO. 11 LATEST MARYLAND STATE HIGHWAY DETAILS FOR CHAIN LINK FENCING. THE SPECIFICATION STAPLE 2. WIDTH - 10' MINIMUM, SHOULD BE FLARED AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS. CONSTRUCTION SPECIFICATIONS FOR A 6' FENCE SHALL BE USED, SUBSTITUTING 42" FABRIC AND 6' LENGTH JOINING TWO ADJACENT SILT GEOTEXTILE FABRIC (FILTER CLOTH) SHALL BE PLACED OVER THE EXISTING GROUND PRIO TO PLACING STONE. ** THE PLAN APPROVAL AUTHORITY MAY NOT REQUIRE SINGLE FAMILY RESIDENCES TO USE GEOTEXTILE. FENCE SECTIONS 1. KEY-IN THE MATTING BY PLACING THE TOP ENDS OF THE MATTING IN A NARROW TRENCH. 6" IN DEPTH. BACKFILL THE TRENCH AND TAMP FIRMLY TO CONFORM TO THE CHANNEL CROSS-SECTION. SECURE WITH A ROW OF STAPLES ABOUT 4" DOWN SLOPE FROM THE TRENCH. SPACING BETWEEN STAPLES IS 6" . CHAIN LINK FENCE SHALL BE FASTENED SECURELY TO THE FENCE POSTS WITH WIRE TIES. THE LOWER TENSION WIRE, BRACE AND TRUSS ROOS, DRIVE ANCHORS AND POST CAPS ARE NOT STONE – CRUSHED AGGREGATE (2" TO 3") OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT SHALL BE PLACED AT LEAST 6" DEEP OVER THE LENGTH AND WIDTH OF THE ENTRANCE. 2. STAPLE THE 4" OVERLAP IN THE CHANNEL CENTER USING AN 18" SPACING 3. FILTER CLOTH SHALL BE FASTENED SECURELY TO THE CHAIN LINK FENCE WITH TIES SPACED 5. SURFACE WATER - ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED THROUGH THE ENTRANCE, MAINTAINING POSITIVE DRAINAGE. PIPE INSTALLED THROUGH THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROTECTED WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND A MINIMUM OF 6" OF STONE OVER THE PIPE PIPE HAS TO BE SIZED ACCORDING TO THE DRAINAGE, WHEN THE SCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY, A PIPE WILL NOT BE NECESSARY, PIPE SHOULD BE SIZED ACCORDING TO THE AMOUNT OF RUNOFF TO BE CONVEYED. A 6" MINIMUM WILL BE REQUIRED. 3. BEFORE STAPLING THE OUTER EDGES OF THE MATTING, MAKE SURE THE MATTING IS SMOOTH AND IN FIRM CONTACT WITH THE SOIL. 4. FILTER CLOTH SHALL BE EMBEDDED A MINIMUM OF 8" INTO THE GROUND. 5. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED 4. STAPLES SHALL BE PLACED 2' APART WITH 4 ROWS FOR EACH STRIP, 2 OUTER ROWS, AND 2 ALTERNATING ROWS DOWN THE CENTER BY 6" AND FOLDED. TENSILE STRENGTH 6 MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SILT BUILDUPS REMOVED WHEN "BULGES" 20 LBS/IN (MIN.) TEST: MSMT 509 0.3 GAL FT²/MINUTE (MAX.) TEST: MSMT 322 TENSILE MODULUS 5. WHERE ONE ROLL OF MATTING ENDS AND ANOTHER BEGINS, THE END OF THE TOP STRIP SHALL OVERLAP THE UPPER END OF THE LOWER STRIP BY 4 DEVELOP IN THE SILT FENCE, OR WHEN SILT REACHES 50% OF FENCE HEIGHT SHIPLAP FASHION, REINFORCE THE OVERLAP WITH A DOUBLE ROW OF STAPLES SPACED 6" APART IN A STAGGERED PATTERN ON EITHER SIDE. FILTERING EFFICIENCY 7. FILTER CLOTH SHALL BE FASTENED SECURELY TO EACH FENCE POST WITH WIRE TIES OR LOCATION — A STABILIZED CONSTRUCTION ENTRANCE SHALL BE LOCATED AT EVERY POIN WHERE CONSTRUCTION TRAFFIC ENTERS OR LEAVES A CONSTRUCTION SITE. VEHICLES LEAVING THE SITE MUST TRAVEL OVER THE ENTIRE LENGTH OF THE STABILIZED CONSTRUCTION ENTRANCE. STAPLES AT TOP AND MID SECTION AND SHALL MEET THE FOLLOWING REQUIREMENTS FOR WHERE ENDS OF GEOTEXTILE FABRIC COME TOGETHER, THEY SHALL BE OVERLAPPED. FOLDED AND STAPLED TO PREVENT SEDIMENT BYPASS. 6. THE DISCHARGE END OF THE MATTING LINER SHOULD BE SIMILARLY SECURED WITH 2 DOUBLE ROWS OF STAPLES. GEOTEXTILE CLASS F: TENSILE STRENGTH 50 LBS/IN (MIN.) SILT FENCE SHALL BE INSPECTED AFTER EACH RAINFALL EVENT AND MAINTAINED WHEN 20 LBS/IN (MIN.) TENSILE MODULUS BULGES OCCUR OR WHEN SEDIMENT ACCUMULATION REACHES 50% OF THE FABRIC NOTE: IF FLOW WILL ENTER FROM THE EDGE OF THE MATTING THEN THE AREA FLOW RATE 0.3 GAL/FT /MINUTE (MAX.) TEST: MSMT 322

SCHEDULE A PERIMETER LANDSCAPE EDGE CATEGORY rimeter/Frontage Designation andscape Type inear Feet of Roadway 96' Frontage/Perimeter Credit for Existing Vegetation (Yes, No, Linear Feet No Describe below if needed Credit for Wall, Fence or Berm (Yes, No, Linear Feet Describe below if needed) lumber of Plants Required Shade Trees 1:40 3 Evergreen Trees Shrubs

Yumber of Plants Provided Shade Trees

PLANT LIST						
QTY	BOTANICAL NAME/ COMMON NAME	SIZE	ROOT			
2	ACER RUBRUM 'OCTOBER GLORY'/ OCTOBER GLORY RED MAPLE	2-1/2"-3" CAL	В & В			
3	PINUS STROBUS/EASTERN WHITE PINE	6'-8'	B & B			

OWNER/DEVELOPER MICHAEL L. PFAU 3675 PARK AVENUE ELLICOTT CITY, MARYLAND 21043-4511 410-480-0023

AGRICULTURE PAGE MARYLAND DEPARTMENT OF ENVIRONMENT SERVICE E - 15 - 3 WATER MANAGEMENT ADMINISTRATION	ENT U.S. DEPARTMENT OF ACRICULTURE PAGE MARYLAND DEPARTMENT OF ENVIRON N SOIL CONSERVATION SERVICE F - 17 - 3 WATER MANAGEMENT ADMINISTRAT			Other Trees (2:1 Substitution Shrubs (10:1 Substitution) Describe Plant Substitution Crees Below if needed)
OWARD COUNTY DEPARTMENT OF PLANNING AND ZONING OPMENT ENGINEERING DIVISION OF LAND DEVELOPMENT MY DATE OF LAND DEVELOPMENT MY DATE	REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS USDA-NATURAL RESOURCES APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT HOWARD SCD DATE	ENGINEERS CERTIFICATE "I CERTIFY THAT THIS PLAN FOR SEDIMENT AND EROSION CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. SIGNATURE OF ENGINEER DATE ROBERT H. VOGEL, PE 16193	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. SIGNATURE OF DEVELOPER DATE	QTY BOTANICAL COMMON NA 2 ACER RUBRUM 'OCTO OCTOBER GLORY RED 3 PINUS STROBUS/EASTERN