

B-4-2 STANDARDS AND SPECIFICATIONS

SOIL PREPARATION, TOPSOILING, AND SOIL AMENDMENTS

Definition The process of preparing the soils to sustain adequate vegetative stabilization.

Conditions Where Practice Applie

Where vegetative stabilization is to be established

To provide a suitable soil medium for vegetative growth

Soil Preparation 1. Temporary Stabilization

- a. Seedbed preparation consists of loosening soil to a depth of 3 to 5 inches by means of suitable agricultural or construction equipment, such as disc harrows or chisel plows or rippers mounted construction equipment. After the soil is loosened, it must not be rolled or dragged smoo but left in the roughened condition. Slopes 3:1 or flatter are to be tracked with ridges running parallel to the contour of the slope.
- b. Apply fertilizer and lime as prescribed on the plans. c. Incorporate lime and fertilizer into the top 3 to 5 inches of soil by disking or other suitable
- 2. Permanent Stabilization
- a. A soil test is required for any earth disturbance of 5 acres or more. The minimum soil conditions required for permanent vegetative establishment are
- i. Soil pH between 6.0 and 7.0.
- ii. Soluble salts less than 500 parts per million (ppm).
- iii. Soil contains less than 40 percent clay but enough fine grained material (greater than 30 percent silt plus clay) to provide the capacity to hold a moderate amount of moisture. An exception: if lovegrass will be planted, then a sandy soil (less than 30 percent silt plus clay)
- iv. Soil contains 1.5 percent minimum organic matter by weight. v. Soil contains sufficient pore space to permit adequate root penetration.
- b. Application of amendments or topsoil is required if on-site soils do not meet the above
- c. Graded areas must be maintained in a true and even grade as specified on the approved plan,
- d. Apply soil amendments as specified on the approved plan or as indicated by the results of a soil
- e. Mix soil amendments into the top 3 to 5 inches of soil by disking or other suitable means. Rake lawn areas to smooth the surface, remove large objects like stones and branches, and ready the area for seed application. Loosen surface soil by dragging with a heavy chain or other equipment to roughen the surface where site conditions will not permit normal seedbe preparation. Track slopes 3:1 or flatter with tracked equipment leaving the soil in an irregular condition with ridges running parallel to the contour of the slope. Leave the top 1 to 3 inches of soil loose and friable. Seedbed loosening may be unnecessary on newly disturbed areas.

- 1. Topsoil is placed over prepared subsoil prior to establishment of permanent vegetation. The purpose is to provide a suitable soil medium for vegetative growth. Soils of concern have low moisture content, low nutrient levels, low pH, materials toxic to plants, and/or unacceptable soil gradation 2. Topsoil salvaged from an existing site may be used provided 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 foun in the representative soil profile section in the Soil Survey published by USDA-NRCS.
- 3. Topsoiling 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 continuing supplies of moisture and plant nutrients.
- c. The original soil to be vegetated contains material toxic to plant growth. d. The soil is so acidic that treatment with limestone is not feasible.
- 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:
- a. 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 subsoil and must contain less than 5 percent by volume of cinders, stones, slag, coarse fragment
- gravel, sticks, roots, trash, or other materials larger than 11/2 inches in diameter b. Topsoil must be free of noxious plants or plant parts such as Bermuda grass, quack grass, Johnson grass, nut sedge, poison ivy, thistle, or others as specified c. Topsoil substitutes or amendments, as recommended by a qualified agronomist or soil scientist
- and approved by the appropriate approval authority, may be used in lieu of natural topsoil. 6. Topsoil Application
- a. Erosion and sediment control practices must be maintained when applying topsoil b. Uniformly distribute topsoil in a 5 to 8 inch layer and lightly compact to a minimum thickness of 4 inches. Spreading is to be performed in such a manner that sodding or seeding can proceed with a minimum of additional soil preparation and tillage. Any irregularities in the surface

resulting from topsoiling or other operations must be corrected in order to prevent the

- c. Topsoil must not be placed if the topsoil or subsoil is in a frozen or muddy condition, when the subsoil is excessively wet or in a condition that may otherwise be detrimental to proper grading and seedbed preparation.
- 1. Soil tests must be performed to determine the exact ratios and application rates for both lime and fertilizer on sites having disturbed areas of 5 acres or more. Soil analysis may be performed by a recognized private or commercial laboratory. Soil samples taken for engineering purposes may also
- Fertilizers must be uniform in composition, free flowing and suitable for accurate application by appropriate equipment. Manure may be substituted for fertilizer with prior approval from the appropriate approval authority. Fertilizers must all be delivered to the site fully labeled according to ne applicable laws and must bear the name, trade name or trademark and warranty of the pro 3. Lime materials must be ground limestone (hydrated or burnt lime may be substituted except when hydroseeding) which contains at least 50 percent total oxides (calcium oxide plus magnesium
- oxide). Limestone must be ground to such fineness that at least 50 percent will pass through a #100 mesh sieve and 98 to 100 percent will pass through a #20 mesh sieve. 4. Lime and fertilizer are to be evenly distributed and incorporated into the top 3 to 5 inches of soil by disking or other suitable means.
- 5. Where the subsoil is either highly acidic or composed of heavy clays, spread ground limestone at the rate of 4 to 8 tons/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil. PERMANENT SEEDING NOTES

Scope: Planting permanent, long lived vegetative cover on graded and/or cleared areas and areas that have been in temporary vegetation for more than 6 months.

Standards: The following notes shall conform to Section B-4 of the "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" published jointly by the Maryland Department of Environment - Water Management Administration, the National Resource Conservation Service and the Maryland Association of

The seed bed shall be prepared by loosening the soil to a depth of 3 to 5 inches and incorporating

the lime and fertilizer into this loosened layer of soil. See section B-4-2. For sites over 5 ac. soil tests will be performed. Soil tests will be conducted by the University of Maryland or a recognized commercial laboratory. Minimum soil conditions shall meet the requirements of section B-4-2-A-2-a, otherwise soil amendments or topsoil will need to be applied. Topsoiling may occur when soil conditions meet the minimum requirements as stated in

For sites of 5 ac. or less of disturbance, the following fertilizer and lime rates shall apply. Fertilizer shall consist of a mixture of 10-20-20 and be applied at the following rates: N = 45 lb. per acre (1 lb. per 1000 sq.ft.) P20s = 90 lb. per acre (2 lb. per 1000 sq.ft.) K20 = 90 lb. per acre (2 lb. per 1000 sq.ft.)

section B-4-2-B. Soil amendments must meet the requirements as set forth in section B-4-2-C

and must be applied as indicated by the soils tests.

Lime shall be applied at a rate of 2 tons per acre (90 lb. per 1000 sq.ft.) Seed type, turfgrass or sod application shall meet the requirements in section B-4-5. Seed tags shall be made available to the inspector to verify the type and application rate of seed used. Mulch type and its application will meet the requirements in section B-4-3 a, b and c, and will be applied along with seed or immediately after seeding

Seeding mixtures shall be selected from or will be equal to those on Table B-3. The seeding chart below will need to be placed on and filled in on the sediment control plan

Hardiness Zone (from Figure B.3): 6b Fertilizer Rate Seed Mixture (from Table B.1): 7 (10-20-20)								Lime Rate
No.	Species	Application Rate (lb/ac)	Seeding Dates	Seeding Depths	N	P20s	K20	Lirie Ruce
7	Creeping Red Fescue (Fescue Rubar Var. Rubar)	60	3/1-5/15	1/4-1/2 in	451bs/ac	90jba/oc	901bs/a	2 tone/oc (90 1b/1000 ef)
	Kentucky Bluegrass (poa Pratensis	15	8/1-10/15	1/4-1/2 in	1000 sf)	1000 of)	1000 sf)	(90 lb/1000 sf)

APPROVED: DEPARTMENT OF PLANNING AND ZONING



construction, (313-1855). 2. All vegetative and structural practices are to be installed according to the



provisions of this plan and are to be in conformance with the most current 'MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL", and revisions thereto. 3. Following initial soil disturbance or re-disturbance, permanent or temporary stabilization shall be completed within:

a) 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 permanent seeding (Section B-4-5), temporary seeding (Section B-4-4), and mulching (Section 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 0.42 Acres Area Dieturbed Area to be roofed or paved O.11 Acres Area to be vegetatively stabilized 0.32 Acres

approval by the inspection agency is made.

Total Cut

Species

Annual Ryegrass (Iolium Pepenne

450 Cu. Ydø. Offsite waste area location N/A 7. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.

450 Cu. Yde.

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

10. Trenches for the construction of utilities is limited to three pipe lengths or that which can 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 prior to proceeding with construction.

12. A project is to be sequenced so that grading activities begin on one grading unit (maximum acreage of 20 ac. 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 preceeding 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.

TEMPORARY SEEDING NOTES

Scope: Planting short term (no more than 6 Months) vegetation to temporarily stabilize any areas where soil disturbance has occurred, until the area can be permanently stabilized with vegetative

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The seed bed shall be prepared by loosening the soil to a depth of 3 to 5 inches and incorporating the lime and fertilizer into this loosened layer of soil. See section B-4-2 For temporary stabilization, fertilizer shall consist of a mixture of 10-20-20 and be applied at a

rate of 436 lb. per acre (10 lb. per 1000 sq. st.) and will meet the requirements in section B-4-2. Lime shall be applied at a rate of 2 tons per acre (90 lb. per sq. ft.) and shall meet the requirements in section B-4-2 and B-4-4

Seed type and application shall meet the requirements in section B-4-3 Seed tags shall be made available to the inspector to verify the type and rate of seed used. Mulch type and its application will meet the requirements in section B-4-3 a, b and c and will be applied along with the seed or immediately after seeding

Seeding mixtures shall be selected from or will be equal to those on Table B.1 (page B.20).

ELEVATION

CROSS SECTION

FENCE SECTIONS (TOP VIEW)

USE WOOD POSTS $1\frac{\pi}{4} \times 1\frac{\pi}{4} \pm \frac{\pi}{4}$ inch (minimum) square cut of sound quality hardwood. As an alternative to wooden post use standard "t" or "u" section steel posts weighing not less than 1 pound per linear foot.

USE 36 INCH MINIMUM POSTS DRIVEN 16 INCH MINIMUM INTO GROUND NO MORE THAN 6 FEET APART.

EMBED GEOTEXTILE A MINIMUM OF 8 INCHES VERTICALLY INTO THE GROUND. BACKFILL AND COMPACT THE SOIL ON BOTH SIDES OF FABRIC.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

HIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT

MARYLAND DEPARTMENT OF ENVIRONMEN
WATER MANAGEMENT ADMINISTRATION

U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE
2011

CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

PROVIDE MANUFACTURER CERTIFICATION TO THE AUTHORIZED REPRESENTATIVE OF THE INSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT THE GEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION H $^{-1}$ Materials.

WHERE TWO SECTIONS OF GEOTEXTILE ADJOIN: OVERLAP, TWIST, AND STAPLE TO POST IN ACCORDANCE WITH THIS DETAIL

CONSTRUCTION SPECIFICATIONS

(lb/ac)

DETAIL E-1 SILT FENCE

Temporary Seeding Summary

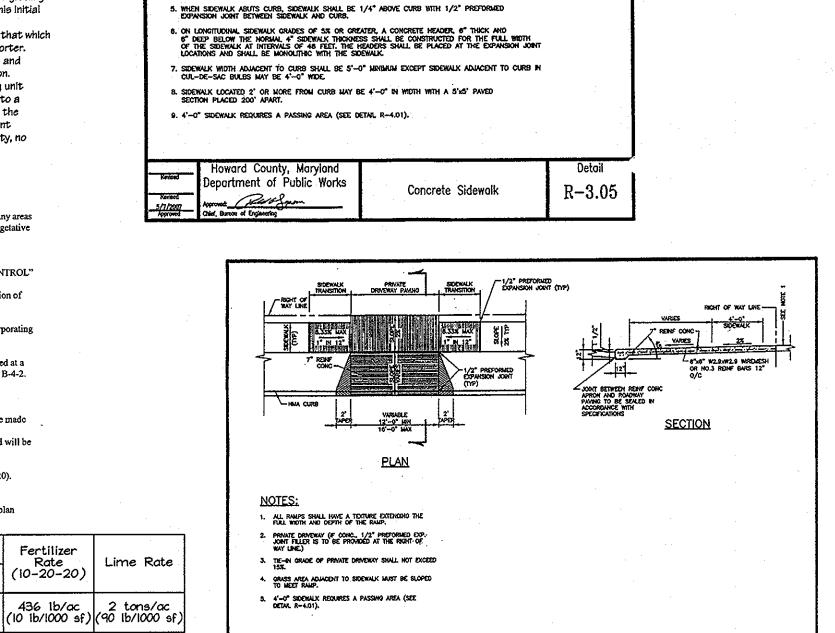
The seeding chart below will need to be placed on and filled in on the sediment control plan Hardiness Zone (from Figure B.3): 6b Seed Mixture (from Table B.1):____ Lime Rate Seeding (10-20-20) Depths

436 lb/ac

STANDARD SYMBOL

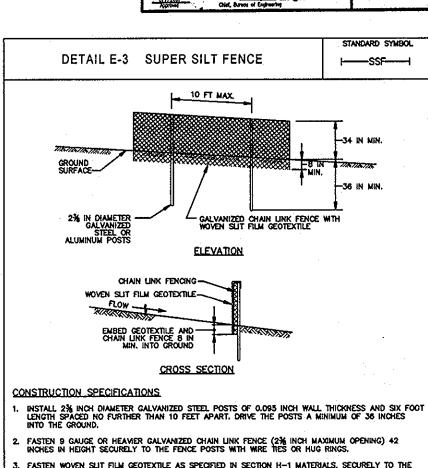
__36 IN MIN. FENCE POST LENGTH DRIVEN MIN. 16 IN INTO GROUND

16 IN MIN, HEIGHT OF WOVEN SUIT FILM GEOTEXTILE



Hot Mix Asphalt Curb

sidewalk Setback from Curb



Howard County, Maryland

- RICHT OF WAY LINE

.

1. SIDEWALK TO BE SCRIBED IN 5'-0" MAXIMUM SQUARES.

2. EXPANSION JOINTS ACROSS THE SIDEWALK NOT TO BE MORE THAN 15" APART.

3, 1/2" PREFORMED EXPANSION MATERIAL IN EXPANSION JOINTS TO BE KEPT 1/4" BELOW SURFACE OF SIDEWALK.

WHERE ENDS OF THE GEOTEXTILE COME TOGETHER, THE ENDS SHALL BE OVERLAPPED BY 6 INCHES, FOLDED, AND STAPLED TO PREVENT SEDIMENT BY PASS.

REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN. IF UNDERMINING OCCURS, REINSTALL CHAIN LINK FENCING AND GEOTEXTILE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

ENGINEER'S CERTIFICATE

CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS

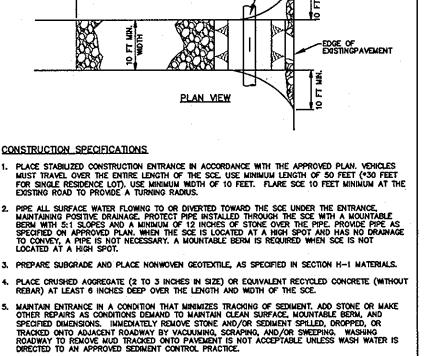
PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD

I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT OR

DEVELOPER'S CERT

SOIL CONSERVATION DISTRICT.

SIGNATURE OF ENGINEER



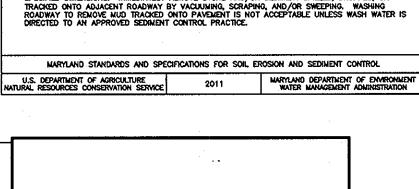
PROFILE

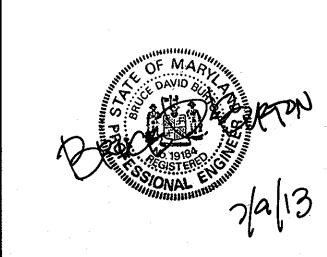
50 FT MIN.

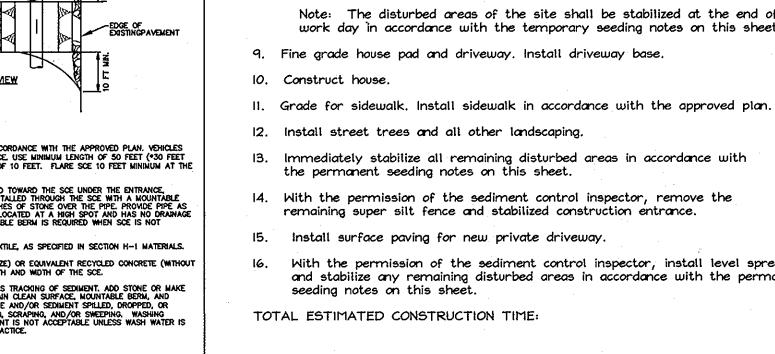
R-6.04

DETAIL B-1 STABILIZED CONSTRUCTION

ENTRANCE







Date

SS SCE

FARTH FILL

29.0

GAR

20.331

TYPICAL MODEL

TYPICAL PROFILE

POTOMAC MODE

SCALE: 1"=30"

ROAD AND STREET

PARKING DRIVE AND MON-RESIDENTIAL
PARKING DRIVE AUSLES;
RESIDENTIAL AND MON-RESIDENTIAL WITH HO MORE
THAN 2 HEAVY TRUCKS PER DAY

Department of Public Works

2. Notify the Howard County Department of Public Works/ Construction

3. The contractor shall notify "Miss Utility" at 1-800-257-7777 at least

4. Install stabilized construction entrance and super silt fence in accordance

Install tree protection fencing around all trees to remain. Install tree

7. Clear and grub the individual trees shown to be removed on the approved

Note: The disturbed areas of the site shall be stabilized at the end of each

work day in accordance with the temporary seeding notes on this sheet.

6. Obtain permission from the sediment control inspector to proceed.

grading plan. Rough grade for proposed driveway and house.

remaining super silt fence and stabilized construction entrance.

protection fencing around the forest conservation easements and install

forest retention signs in accordance with the approved simplified forest

48 hours prior to any excavation work being done.

stand delineation and conservation plan. (F06-197)

8. Install private water and sewer lines.

seeding notes on this sheet.

the permanent seeding notes on this sheet.

Install surface paving for new private driveway.

with the approved grading and sediment control plan.

Approved: Paragraphics Chief, Bureou of Engineering

CLASSIFICATION

SEQUENCE OF CONSTRUCTION

1. Obtain grading permit

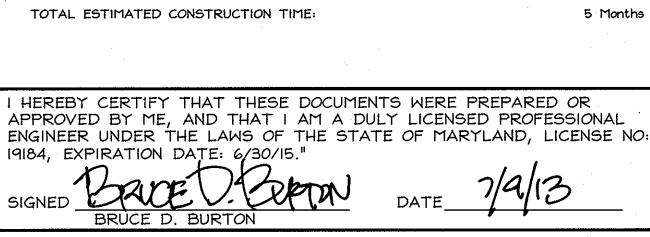
SECTION

POTOMAC

37.67

7.33'x4.0'-

PORTCH

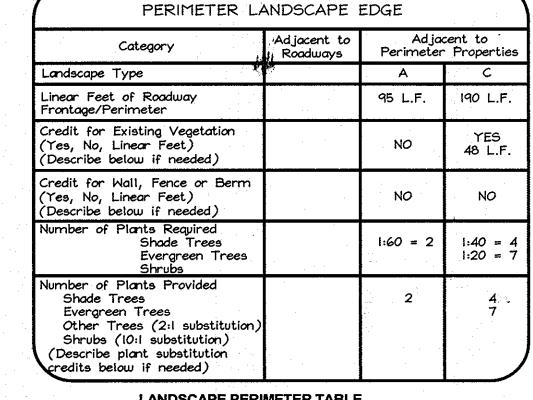


REVISIONS

Description

With the permission of the sediment control inspector, install level spreader

and stabilize any remaining disturbed areas in accordance with the permanent



SCHEDULE A

LANDSCAPE PERIMETER TABLE

1	*95 L.F.	Α	SFD
2	**190 L.F.	С	5 SFD
			44

Credit for Existing Vegetation and Exemptions: 1.) Perimeter # 2 - 48 l.f. - credit

LANDSCAPE SCHEDULE								
SYMB.	COMMON NAME	BOTANICAL NAME	QTY	SIZE	REMARKS			
\otimes	White Pine	Pinus strobus	7	5 ft 6' HT	B\$B			
lacksquare	Red Sunset Red Maple	acer rubrum	6	2 1/2"-3" Cal B&B	B¢B			

STREET TREE SCHEDULE								
SYMB.	COMMON NAME	BOTANICAL NAME	QTY	SIZE	REMARKS			
\otimes	Pin Oak	Quercus palustris	3	2 1/2"-3" Caliper	B&B			

Note: The total road frontage for the resubdivision is 135 L.F. Street trees required at a ratio of 1:40. Therefore, 135 L.F./40 = 3 Trees

LANDSCAPE PLAN GENERAL NOTES

- Contractor shall contact "miss utility" (800-257-7777) and shall verify the location of all underground utilities within the project area prior to installation of plant material. Proposed locations of plant material shall be staked in the field by the contractor for approval by owner's representative
- prior to planting. Plant material and beds shall receive a minimum 3-inch depth
- of mulch.

Provide tree stakes only

if necessary.

/ Remove top 1/3 of

E H Place tree in hole so

is flush with grade.

3" Mulch

-3" Son vvo...
Planting soil

Not to Scale

Evergreen Tree Planting Detail

SAUCER -

STAKES

DECIDUOUS TREE DETAIL

PAVENENT MATERIAL (INCHES)

HWA SUPERPAVE FINAL SURFACE 9.5 MM PG 64—22, LEVEL 1 (ESAL)

HIVA SUPERPAYE BASE 19.0 MM, PO 84-22, LEVEL 1 (ESAL)

GRADED AGGREGATE BASE (GAB)

PAVING SECTION *

HMA SUPERPAVE INTERMEDIATE SURFACE (NA)

NOT TO SCALE

CALIFORNIA BEARING RATIO (CBR) | 3 TO <5 | 5 TO <7 | ≥ 7 | 3 TO <5 | 5 TO <7 | ≥ 7

ROOTBAL-

HOSE OVER WIRE

WIRE GUY

THIN 1/3 OF INITIAL BRANCHING RETAINING NATURAL FORM

STAKES (3 REQUIRED)

REMOVE COVERING FROM TOP

<u>FINISHED GRA</u>DE

MIN HAA WITH GAB HAA WITH CONSTANT GA

1.5 | 1.5 | 1.5 | 1.5 | 1.5

1 Day

1 Day

Day

2 Days

1 Day

3 Days

3 Days

3-1/2 Months

3 Days

2 Days

1 Day

1 Day

1 Day

. I Day

R-2.01

UNDISTURBED SOIL

burlap from tree ball.

that first root (lateral)

- All areas disturbed by planting operations shall be repaired by the contractor to the satisfaction of the owner's representative. Quantities of trees, evergreens, and shrubs noted on the plant list are based upon the graphic symbols shown on the drawings. Contractor shall provide and install these items based upon graphic symbol quantities. Contact owner's representative if a difference is found between the quantities noted in the plant list and the symbol
- count of plant materials shown on the drawings. 6. Quantities of groundcovers, perennials, annuals, bulbs, and ornamental grasses shall be as noted in the plant list regardless of the number
- of graphic symbols shown on the drawings. 7. All plant materials shall be nursery grown and shall comply with the American Standard for Nursery Stock (ansi z60.1), latest edition,
- published by the American Association of Nurserymen. All trees to conform to the American Association of Nurserymen's
- Standards: Section 1.1.2- height of branching, all trees to be matched.
- All plant materials to be full heavy specimens. 10. All areas within the limit of disturbance other than pavements, walks, walls and planting beds shall be seeded lawn.
- II. This plan has been prepared in accordance with the provisions of Section 16.124 of the Howard County Code and the Landscape Manual. financial surety in the amount of \$2,850.00 for the perimeter landscaping of six (6) shade trees, seven (7) evergreens and three (3) street trees along the frontage of adjacent Lot 53 (per F-06-197) in the amount of \$900.00 for a total surety of \$3,750.00 to be posted with the Builder's
- Grading Permit under this site development plan. 12. No clearing of existing vegetation is permitted within the landscape edge for which credit is being taken; however, landscape maintenance is
- 13. Should any tree designated for preservation, for which credit is given, die prior to release of bonds, the owner will be required to replace the tree with the equivalent species or with a tree which will obtain the same height, spread and growth characteristics. The replacement tree must be a minimum of 3 inches in caliper and installed as required in the Landscape Manual.

Subdivision No	me: Riverside	Estates		Section 4/B	lock H	Lot	Nο. 51
Plat Ref.	Grid No.	Z <i>o</i> ning	Tax Ma	p No.	Election Di	strict	Census Tract
19804	- 11	R-20		41	5th	1	605102
		LDE	Inc.		÷		
		ieers 🔸 Surve					
	oric Carriage House			•	•		

	(410)795-6391 + (410)795-6392 + FAX(410)795-9540 + www.Landsurveyormd.com	
DESIGNED	CONSTRUCTION, SEDIMENT CONTROL & LANDSCAPING NOTES & DETAILS	SCALE
B.D.B.	RIVERSIDE ESTATES Section 4 - Block H	AS NOTED
 DRAWN	Lot 53 and Public Sidewalk Construction & Street Tree	DRAWING
L.D.E.	Planting (per F-06-197) along the frontage of Lot 53	3 of 3
	within the Road Right-of-way and Tree Easement Areas	
CHECKED	Plat No. 19804 Tax Map 41 Grid II Parcel 420	JOB NO.
B.D.B.	5th Election District – Howard County, Maryland	04-013.3.
	Previous County Files: WP-06-103, WP-07-35, F06-197	
DATE	OWNER/DEVELOPER Michael # Melisa Millard	FILE NO.

7104 Newberry Drive 7/2013 SDP: 13-022 Columbia, Maryland 21044 410-531-6514