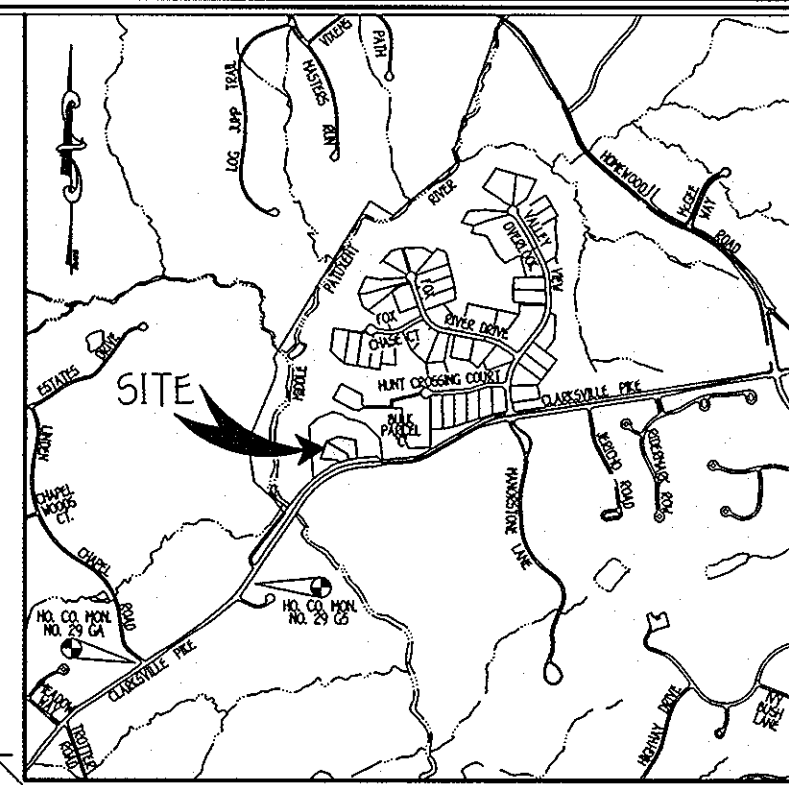


APPROVED: DEPARTMENT OF PLANNING AND ZONING
 11-03-09 DATE
 K. R. [Signature] CHIEF, DIVISION OF LAND DEVELOPMENT
 10/27/09 DATE
 [Signature] CHIEF, DEVELOPMENT ENGINEERING DIVISION

SCHEDULE A - PERIMETER LANDSCAPING										
PERIMETER	CATEGORY (PROPERTIES/ROADWAYS)	LANDSCAPE TYPE	LINEAR FEET OF ROADWAY FRONTAGE PERIMETER	CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	CREDIT FOR WALL, FENCE OR BERM (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NUMBER OF PLANTS REQUIRED	SHADE TREES	EVERGREEN TREES	SHRUBS	NUMBER OF PLANTS PROVIDED
P-1	FRONT TO ROAD	N/A	240.61'	NO	NO	-	-	-	-	-
P-2	NON-RES. TO RES.	A	1071.56'	YES - 180'	NO	15	-	-	15	-

LANDSCAPING PLANT LIST			
QTY.	KEY	NAME	SIZE
8	[Symbol]	QUERCUS PALLISTRIS PIN OAK	2 1/2" - 3" CALIPER FULL CROWN, B&B
7	[Symbol]	QUERCUS PHELLOS WILLOW OAK	2 1/2" - 3" CALIPER FULL CROWN, B&B

LOT BREAKDOWN
 LOT 81 - 5 TREES
 LOT 82 - 10 TREES

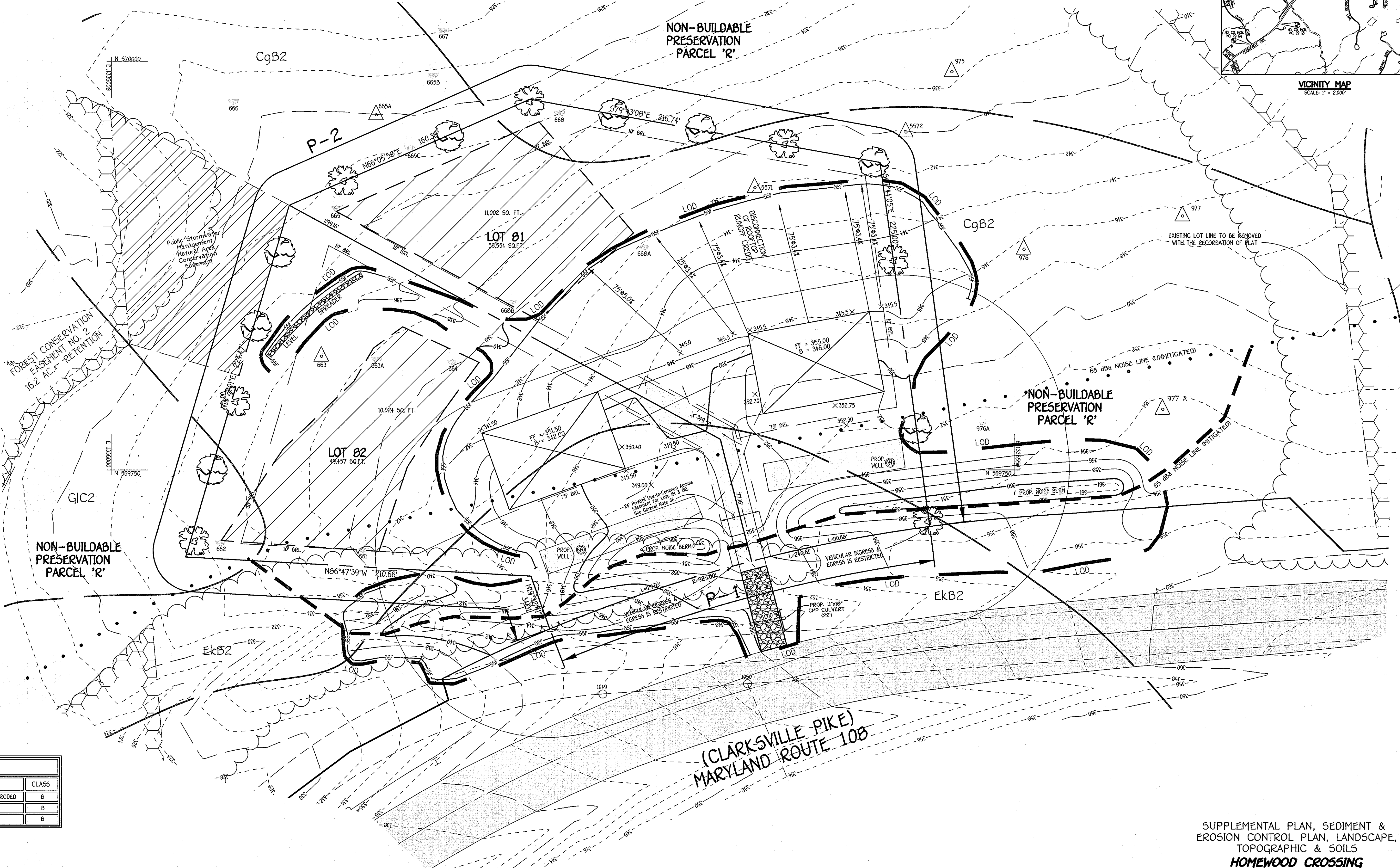


LEGEND

- EXISTING 2' CONTOURS
- - - EXISTING 10' CONTOURS
- - - EXISTING TREE LINE
- GLB2 SOIL LINES AND TYPES
- MLC2
- ⊙ DENOTES PROPOSED WELL
- ⊙ DENOTES FAILED PERC
- ⊙ DENOTES PASSED PERC
- ⊙ DENOTES PROPOSED GENERIC HOUSE BOX
- ⊙ DENOTES 15%-24.9% SLOPES
- ⊙ DENOTES 25% AND GREATER SLOPE
- ⊙ DENOTES PROPOSED 1500 SQ.FT. WELL BOX
- ⊙ DENOTES EXISTING 1500 SQ.FT. WELL BOX
- ⊙ DENOTES PROPOSED SAND MOUND AREA
- ⊙ DENOTES EROSION CONTROL MATTING

SOILS LEGEND

SOIL	NAME	CLASS
CgB2	CHESTER GRAVELLY SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	B
EKB2	ELIDAK SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	B
GIC2	GLENELG LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	B



PLAN

SCALE: 1" = 30'

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTRAL SQUARE OFFICE PARK 10722 BALTIMORE NATIONAL PIKE
 ELICOTT CITY, MARYLAND 21042
 410-481-2895



Owners
 HOMEWOOD CROSSING HOMEOWNERS ASSOCIATION, INC. ATTN: JOHN HARRIS, VICE-PRESIDENT
 754 COLUMBIA GATEWAY DRIVE, SUITE 230
 COLUMBIA, MARYLAND 21046
 Phone: 410-872-9105

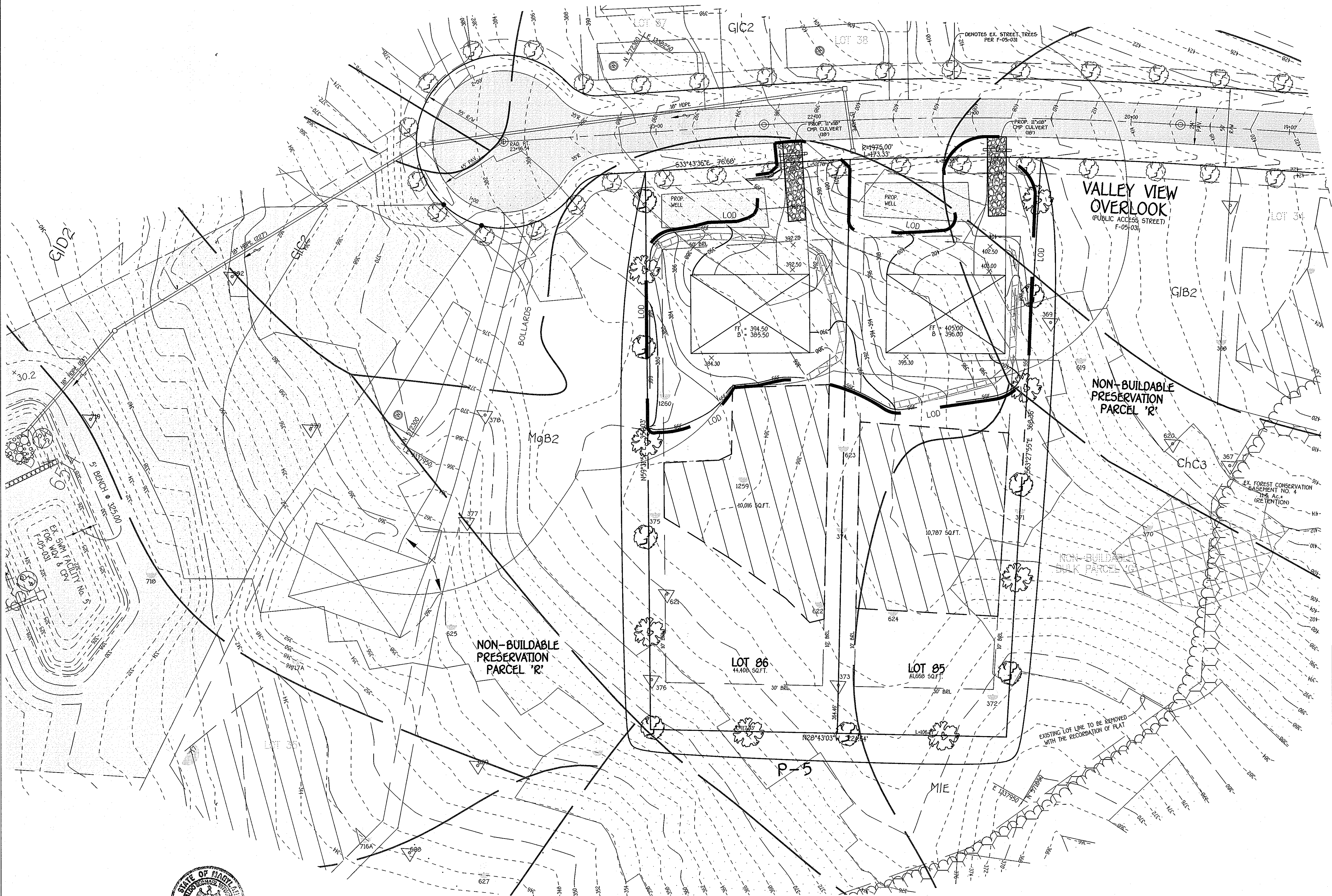
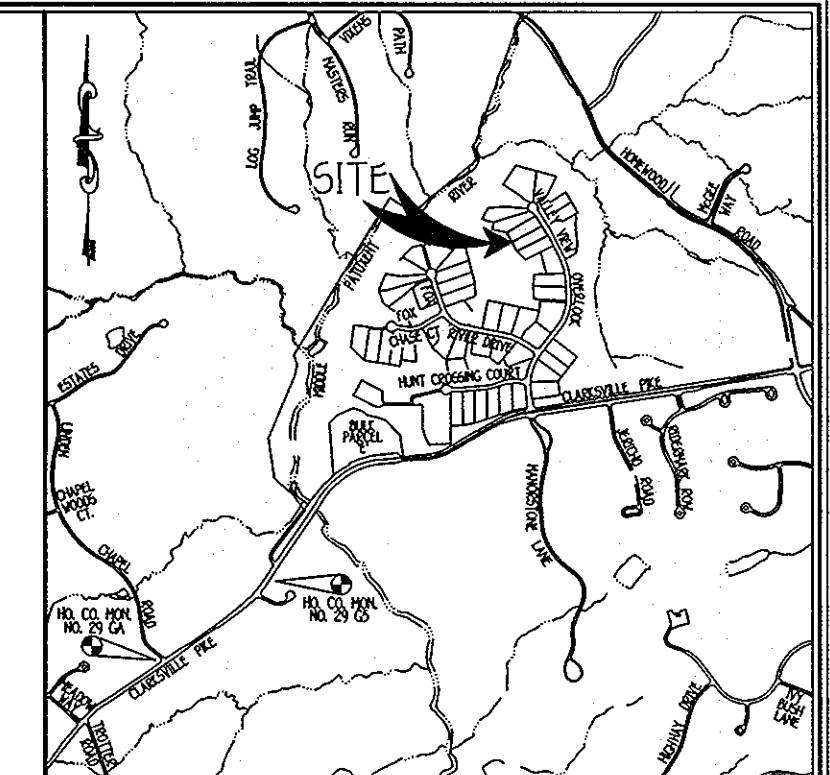
Developer
 TOLL HO II LIMITED PARTNERSHIP
 ATTN: JOHN HARRIS, VICE-PRESIDENT
 754 COLUMBIA GATEWAY DRIVE, SUITE 230
 COLUMBIA, MARYLAND 21046
 Phone: 410-872-9105

SUPPLEMENTAL PLAN, SEDIMENT & EROSION CONTROL PLAN, LANDSCAPE, TOPOGRAPHIC & SOILS
HOMEWOOD CROSSING PHASE 3 - PART TWO
 Lots 81 Thru 88 And Non-Buildable Preservation Parcel 'R'
 (A Resubdivision Of Non-Buildable Bulk Parcels 'C', 'F', And 'G' 'Homewood Crossing' - P&I Nos. 17805 Thru 17901; Non-Buildable Bulk Parcel 'V' And Non-Buildable Preservation Parcel 'C' 'Homewood Crossing Phase 2' - P&I Nos. 18240 Thru 18247; And Non-Buildable Preservation Parcel 'P' And Non-Buildable Bulk Parcel 'U' 'Homewood Crossing Phase 3' - P&I Nos. 19111 Thru 19118) Zone 0C-0C0
 Tax Map 25, Grids B, 9, 14 And 15, Parcel 25, 5th Election District, Howard County, Maryland
 Date: September, 2009
 Sheet 2 of 7

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 11-03-09 DATE
 10/27/09 DATE

SCHEDULE A - PERIMETER LANDSCAPING											
PERIMETER (PROPERTIES/ROADWAYS)	CATEGORY	LANDSCAPE TYPE	LINEAR FEET OF ROADWAY FRONTAGE PERIMETER	CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	CREDIT FOR WALL, FENCE OR BERM (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NUMBER OF PLANTS REQUIRED			NUMBER OF PLANTS PROVIDED		
						SHADE TREES	EVERGREEN TREES	SHRUBS	SHADE TREES	EVERGREEN TREES	SHRUBS
P-5	NON-BES. TO REC.	A	947.03'	NO	NO	16	-	-	16	-	-

LANDSCAPING PLANT LIST			
QTY.	KEY	NAME	SIZE
8	(Symbol)	QUERCUS PALUSTRIS PIN OAK	2 1/2" - 3" CALIPER FULL CROWN, B&B
8	(Symbol)	QUERCUS PHellos WILLOW OAK	2 1/2" - 3" CALIPER FULL CROWN, B&B



VICINITY MAP
SCALE: 1" = 2,000'

LEGEND	
(Symbol)	EXISTING 2' CONTOURS
(Symbol)	EXISTING 10' CONTOURS
(Symbol)	EXISTING TREE LINE
(Symbol)	SOIL LINES AND TYPES
(Symbol)	GLB2
(Symbol)	MLC2
(Symbol)	NOTES PROPOSED WELL
(Symbol)	NOTES FAILED PERC
(Symbol)	NOTES PASSED PERC
(Symbol)	NOTES PROPOSED GENERIC HOUSE BOX
(Symbol)	NOTES 15%-24.9% SLOPES
(Symbol)	NOTES 25% AND GREATER SLOPE
(Symbol)	NOTES PROPOSED 1500 SQ.FT. WELL BOX
(Symbol)	NOTES EXISTING 1500 SQ.FT. WELL BOX
(Symbol)	NOTES PROPOSED SAND MOUND AREA
(Symbol)	NOTES EROSION CONTROL MATTING

SOILS LEGEND		
SOIL	NAME	CLASS
ChC3	CHESTER SILT LOAM, 0 TO 15 PERCENT SLOPES, SEVERELY ERODED	B
GIB2	GLENELG LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	B
MgB2	MANOR GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	B
MIE	MANOR LOAM, 25 TO 45 PERCENT SLOPES	B

SUPPLEMENTAL PLAN, SEDIMENT & EROSION CONTROL PLAN, LANDSCAPE, TOPOGRAPHIC & SOILS
HOMWOOD CROSSING PHASE 3 - PART TWO
 Lots 81 Thru 88 And Non-Buildable Preservation Parcel 'R'
 (A Re-subdivision Of Non-Buildable Bulk Parcels 'C', 'T', And 'U' 'Homewood Crossing' - P&I Nos. 17895 Thru 17901, Non-Buildable Bulk Parcel 'V' And Non-Buildable Preservation Parcel 'C' 'Homewood Crossing Phase 2' - P&I Nos. 18240 Thru 18247, And Non-Buildable Preservation Parcel 'P' And Non-Buildable Bulk Parcel 'Q' 'Homewood Crossing Phase 3 - Part One' - P&I Nos. Thru)
 Zoned RC-DCO
 Tax Map 28, Grids 8, 9, H And 15, Parcel 28,
 5th Election District, Howard County, Maryland
 Date: September, 2009
 Sheet 4 of 7

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 14507
 14507

Owners
 HOMWOOD CROSSING HOMESOWNERS ASSOCIATION, INC. ATTN: JOHN HARRIS, VICE-PRESIDENT
 7164 COLUMBIA GATEWAY DRIVE, SUITE 230
 COLUMBIA, MARYLAND 21046
 Phone: (410) 872-9105

Developer
 TOLL HO II LIMITED PARTNERSHIP
 ATTN: JOHN HARRIS, VICE-PRESIDENT
 7164 COLUMBIA GATEWAY DRIVE, SUITE 230
 COLUMBIA, MARYLAND 21046
 Phone: (410) 872-9105

PLAN
 SCALE: 1" = 30'

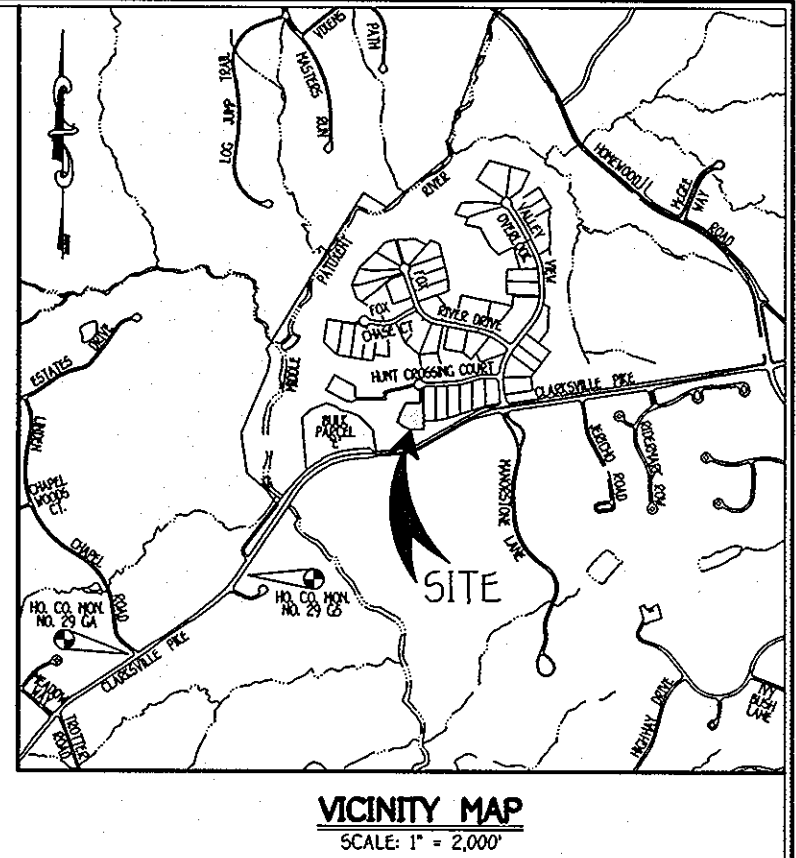
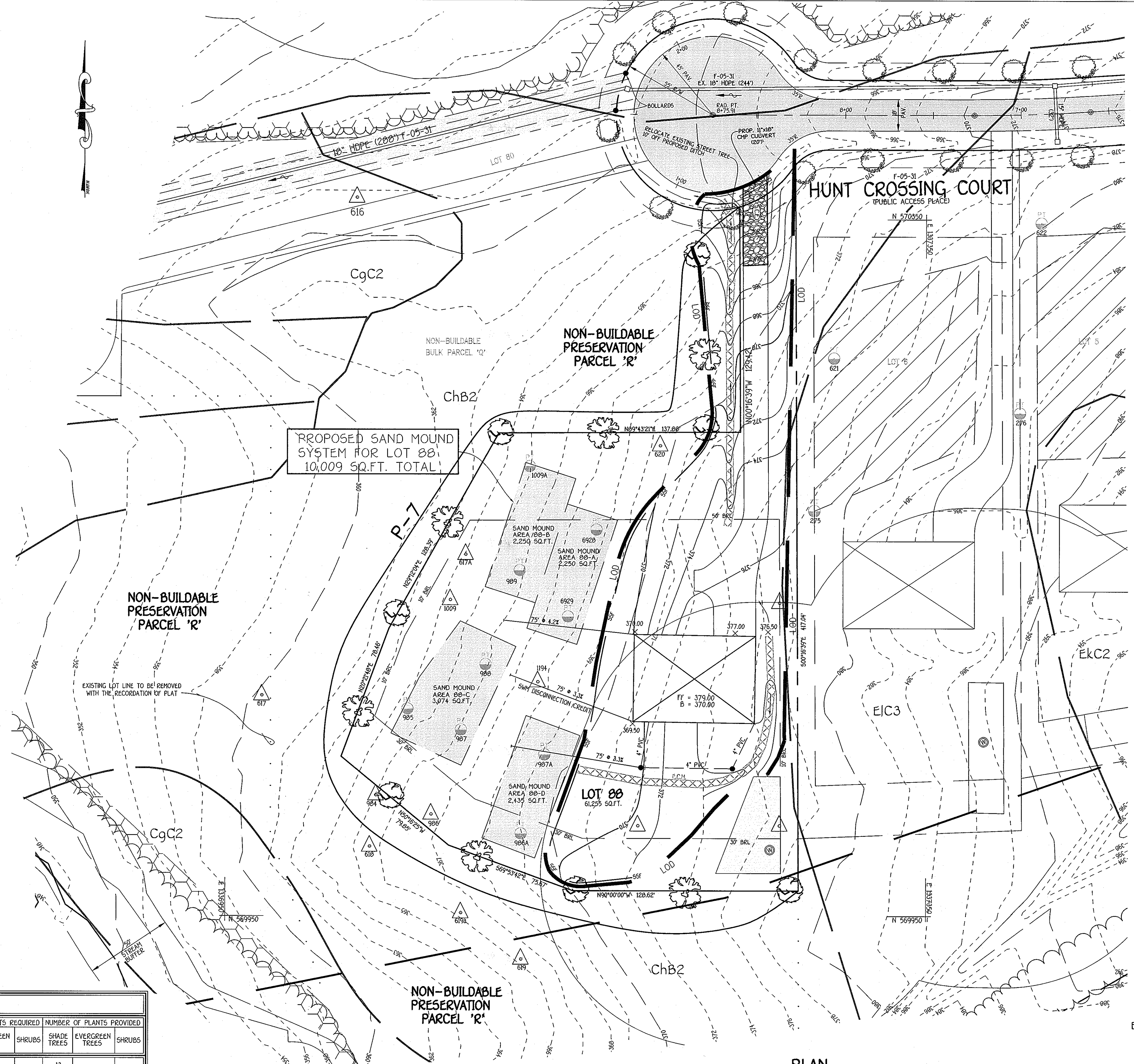
NOTE:
 ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL
 REQUIRE A REVISED PERC CERTIFICATION PLAN.

SOILS LEGEND		
SOIL	NAME	CLASS
ChB2	CHESTER SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	B
EIC3	ELIOAK SILTY CLAY LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	B

LEGEND	
	EXISTING 2' CONTOURS
	EXISTING 10' CONTOURS
	EXISTING TREE LINE
	GLB2
	MLC2
	DENOTES PROPOSED WELL
	DENOTES FAILED PERC
	DENOTES PASSED PERC
	DENOTES PROPOSED GENERIC HOUSE BOX
	DENOTES 15% - 24.9% SLOPES
	DENOTES 25% AND GREATER SLOPE
	DENOTES PROPOSED 1500 SQ.FT. WELL BOX
	DENOTES EXISTING 1500 SQ.FT. WELL BOX
	DENOTES PROPOSED SAND MOUND AREA
	DENOTES EROSION CONTROL MATTING

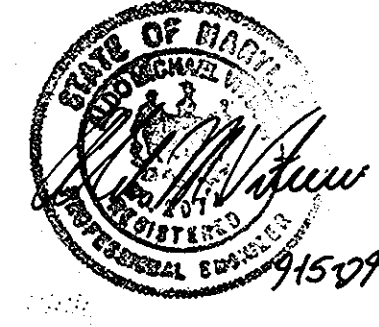
LANDSCAPING PLANT LIST			
QTY.	KEY	NAME	SIZE
7		QUERCUS PALUSTRIS PIN OAK	2 1/2" - 3" CALIPER FULL CROWN, B&B
6		QUERCUS PHellos WILLOW OAK	2 1/2" - 3" CALIPER FULL CROWN, B&B

SCHEDULE A - PERIMETER LANDSCAPING												
PERIMETER (PROPERTIES/ROADWAYS)	CATEGORY	LANDSCAPE TYPE	LINEAR FEET OF ROADWAY FRONTAGE PERIMETER	CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	CREDIT FOR WALL, FENCE OR BERM (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NUMBER OF PLANTS REQUIRED			NUMBER OF PLANTS PROVIDED			
						SHADE TREES	EVERGREEN TREES	SHRUBS	SHADE TREES	EVERGREEN TREES	SHRUBS	
P-7	NON-RES. TO RES.	A	750.29	NO	NO	13	-	-	13	-	-	



PLAN
 SCALE: 1" = 30'

SUPPLEMENTAL PLAN, SEDIMENT & EROSION CONTROL PLAN, LANDSCAPE, TOPOGRAPHIC & SOILS
HOMWOOD CROSSING PHASE 3 - PART TWO
 Lots 81 Thru 88 And Non-Buildable Preservation Parcel 'R'
 (A Resubdivision Of Non-Buildable Bulk Parcels 'C', 'T', And 'U' And Non-Buildable Preservation Parcel 'U'
 Homewood Crossing Phase 2 - Part One - P&I Nos. 10510 Thru 10547; And Non-Buildable Preservation Parcel 'T' And Non-Buildable Bulk Parcel 'U'
 Homewood Crossing Phase 3 - Part One - P&I Nos. Thru J
 Zones RC-150
 Tax Map 29: Grids A, S, H And J5; Parcel 23:
 29th Election District: Howard County, Maryland
 Date: September, 2009
 Sheet 6 of 7



STANDARDS AND SPECIFICATIONS FOR TOPSOIL

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

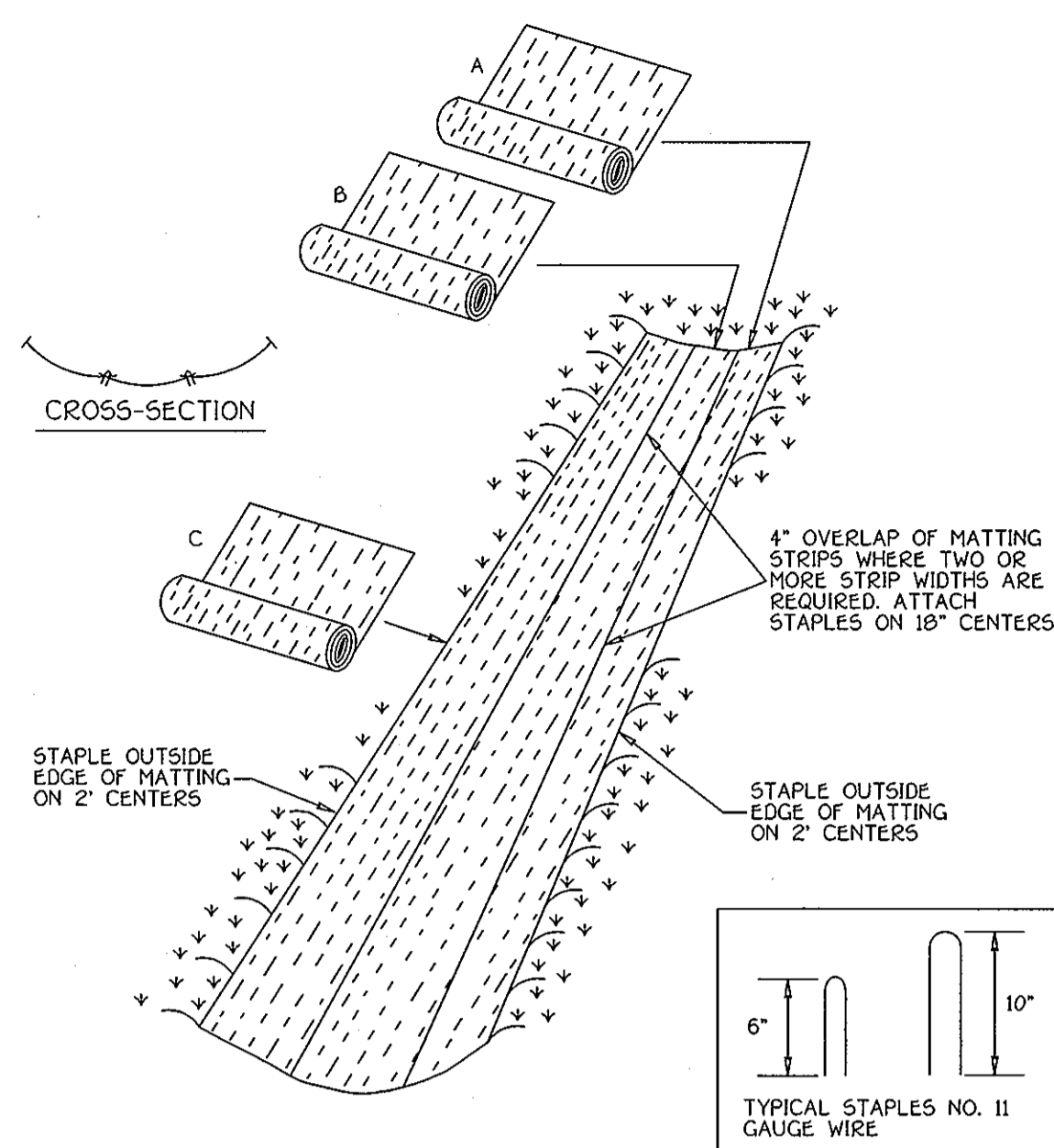
Purpose
To provide a suitable soil medium for vegetative growth. Soils of concern have low moisture content, low nutrient levels, low pH materials, low fertility, and/or unworkable soil conditions.

Conditions Where Practice Applies

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

Construction and Material Specifications

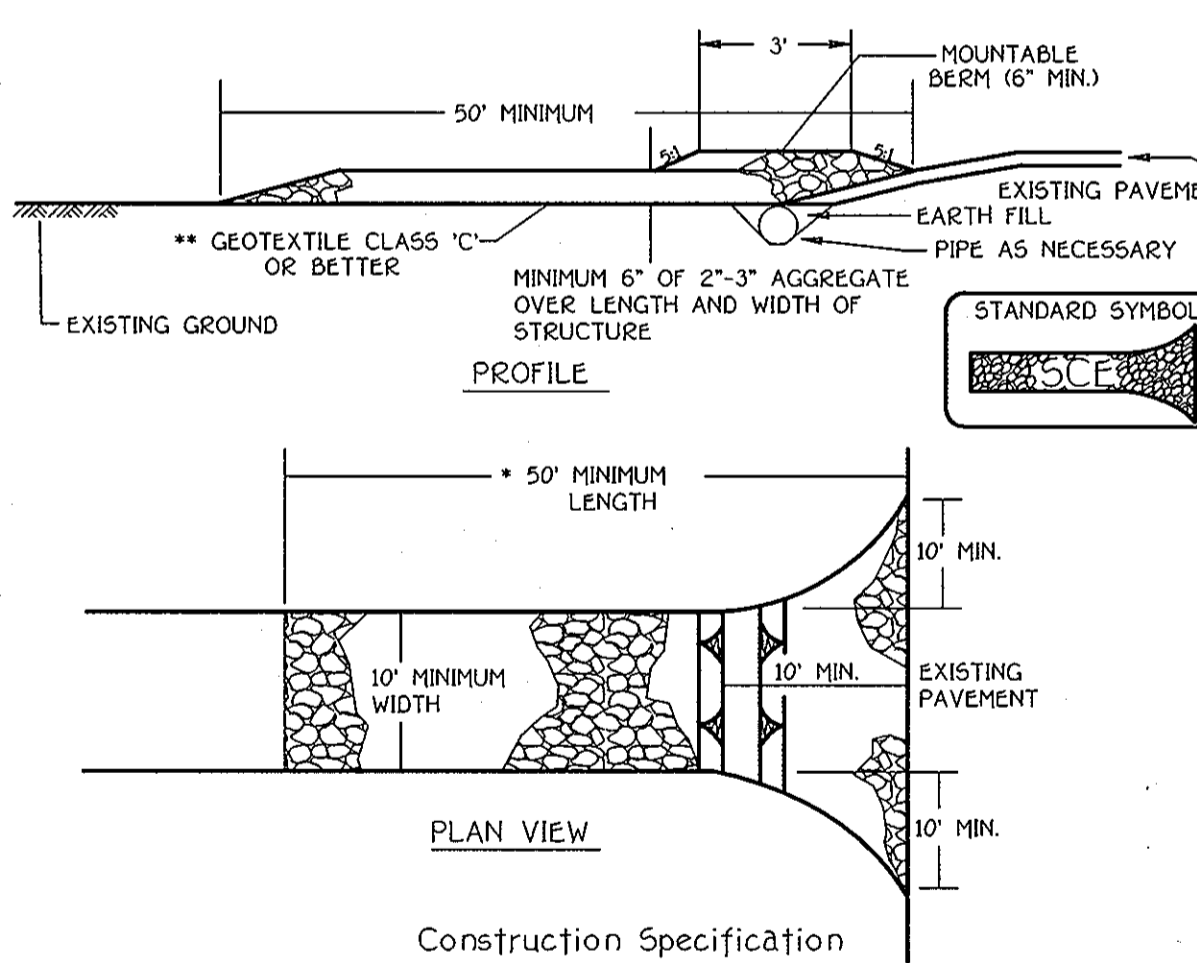
- Topsoil salvaged from the existing site may be used provided that it meets the standards set forth in these specifications. Typically, the depth of topsoil to be salvaged for a given soil type can be found in the representative soil profile section in the Soil Survey published by USDA-SCS in cooperation with Maryland Agricultural Experiment Station.
- Topsoil Specifications - Soil to be used for topsoil must meet the following:
 - Topsoil shall be a loam, silty loam, clay loam, silty clay loam, heavy sand. Other soils may be used if recommended by an agronomist or soil scientist and approved by the appropriate approval authority. Regardless, topsoil shall not be a mixture of contaminated material, rocks, and soil containing less than 5% by volume of clumps, stems, sticks, coarse fragments, gravel, sticks, roots, twigs, or other materials larger than 1/2" in diameter.
 - Topsoil must be free of plants or plant parts such as bromus grass, quackgrass, Johnson grass, nutgrass, poison ivy, ivy, or others as specified.
 - When the topsoil is either highly acidic or composed of heavy clays, ground limestone shall be spread at the rate of 1-2 lb/1000 sq ft over the topsoil and mixed 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.
- For sites having disturbed areas under 5 acres:
 - Place topsoil of required kind and soil amendments as specified in 200 Vegetative Stabilization - Section 1 - Vegetative Stabilization Methods and Materials.
- For sites having disturbed areas over 5 acres:
 - On soil meeting topsoil specifications, obtain test results depicting fertilizer and lime amendments required to bring the soil into compliance with the following:
 - 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 the pH to 6.5 or higher.
 - Organic content of topsoil shall be not less than 1.5 percent by weight.
 - Topsoil having soluble salt content greater than 500 parts per million shall not be used.
 - No use of weed seed placed on soil which has been treated with soil sterilants or chemicals used for weed control will be permitted unless time has elapsed 180 days prior to disposal of phytotoxic materials.
 - Topsoil shall be uniformly distributed in a 4" - 8" layer and lightly compacted to a minimum thickness of 4". Spreading shall be performed in such a manner that sodding or seeding can proceed with a minimum of additional soil preparation. Any irregularities in the surface resulting from soil sowing or other operations shall be corrected in order to prevent the formation of depressions or water pockets.
 - Topsoil shall not be placed while the topsoil or subsoil is in a frozen or muddy condition, when the subsoil is compacted and wet or in a condition that may otherwise be detrimental to proper sodding and seedbed preparation.
- Alternative for Permanent Seeding - Instead of applying the full amounts of lime and commercial fertilizer, composted sludge and amendments may be applied as specified below.
 - Composted Sludge Material for use as a soil conditioner for sites having disturbed areas over 5 acres shall conform to the following requirements:
 - Composted sludge shall be supplied by, or originate from, a person or persons that are licensed under the Maryland Department of the Environment under COMAR 26A.06.
 - Composted sludge shall contain at least 1 percent nitrogen, 1.5 percent phosphorus, and 0.2 percent potassium and have a pH of 7.0 to 8.0. If compost does not meet these requirements, the appropriate constituents must be added to meet the requirements prior to use.
 - Composted sludge shall be applied at a rate of 1 ton/1000 square feet.
 - Composted sludge shall be amended with a potassium fertilizer applied at the rate of 4 lb/1000 square feet, and 1/3 the normal lime application rate.



Construction Specifications

- 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".
 - Staple the 4" overlap in the channel center using an 18" spacing between staples.
 - Before stapling the outer edges of the matting, make sure the matting is smooth and in firm contact with the soil.
 - Staples shall be placed 2' apart with 4 rows for each strip, 2 outer rows, and 2 alternating rows down the center.
 - 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", shiplap fashion. Reinforce the overlap with a double row of staples spaced 6" apart in a staggered pattern on either side.
 - The discharge end of the matting liner should be similarly secured with 2 double rows of staples.
- Note: If flow will enter from the edge of the matting then the area effected by the flow must be keyed-in.

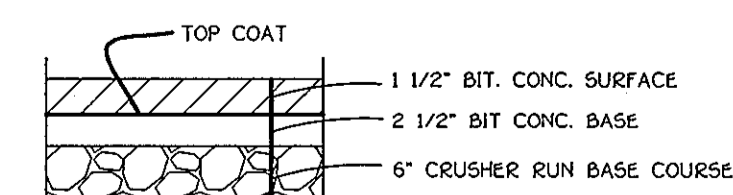
EROSION CONTROL MATTING
NOT TO SCALE



Construction Specification

- Length - minimum of 50' (*30' for single residence lot).
- Width - 10' minimum, should be flared at the existing road to provide a turning radius.
- Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. **The plan approval authority may not require single family residences to use geotextile.
- 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.
- 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 beam 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.
- Location - A stabilized construction entrance shall be located at every point where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction entrance.

STABILIZED CONSTRUCTION ENTRANCE

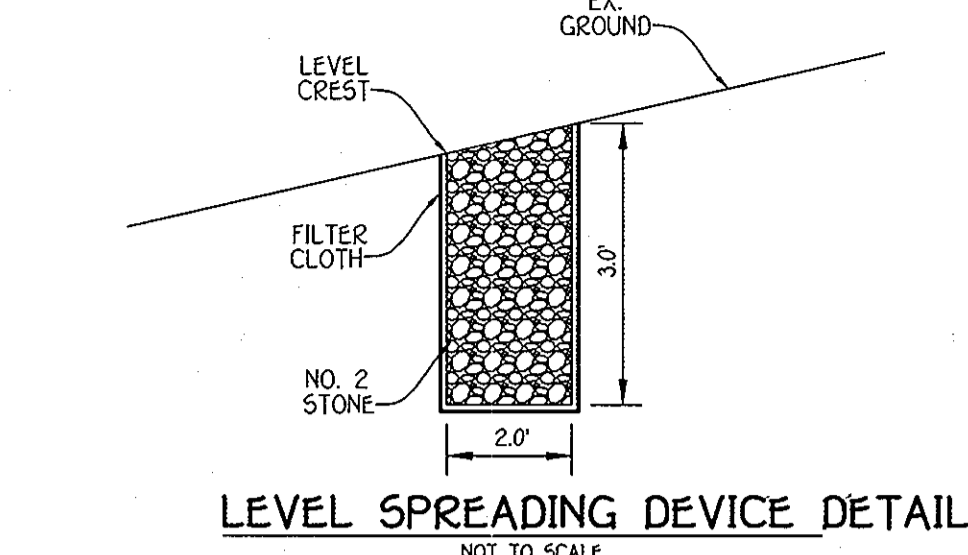


DRIVEWAY PAVING DETAIL
NO SCALE

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 Chief, Division of Land Development
 Chief, Development Engineering Division
 Date: 10/10/09
 Date: 9-17-2009

DEVELOPER'S / BUILDER'S CERTIFICATE

I/WE CERTIFY THAT THE LANDSCAPE SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 1624 OF THE HOWARD COUNTY CODE AND THE HOWARD COUNTY LANDSCAPE MANUAL. I/WE FURTHER CERTIFY THAT UPON COMPLETION, A LETTER OF LANDSCAPE INSTALLATION ACCOMPANIED BY AN EXECUTED ONE YEAR GUARANTEE OF PLANT MATERIALS WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.



LEVEL SPREADER CRITERIA

For impervious surface runoff applications:
 The capacity for the level spreader is determined in the design of the filter strip to which it discharges.
 The spreader shall run linearly along the entire width of the filter strip to which it discharges. In most cases, the spreader will be the same width as the contributing impervious surface. The ends of the spreader shall be fitted into higher ground to prevent flow around the spreader.
 The minimum depth shall be 6 inches and the minimum width shall be 6 feet for the lower side slope. Side slopes shall be 2:1 horizontal to vertical or flatter.
 The grade of the spreader shall be 0%.
 The outlet discharge area must be generally smooth and well vegetated with a minimum slope of 10%.

For all applications:
 The spreader lip shall be constructed to a uniform height and zero grade over the length of the spreader. For design flows of 4 cfs or greater, a rigid lip of non-erodible material, such as pressure-treated timbers or concrete curbing, shall be used. For flows less than 4 cfs, a vegetated lip may be used. The spreader lip shall be constructed on undisturbed soil.
 When using a vegetated lip it shall be protected with an erosion control blanket to prevent erosion and allow the vegetation to become established. The blanket shall be a minimum of 4 feet wide extending a minimum of 1 foot downstream over the level lip. The blanket shall be secured with heavy-duty staples and the downstream and upstream edges shall be buried at least 6 inches deep.

When using a rigid lip it shall be entrenched at least 4 inches below existing ground and securely anchored into the ground. An apron of Class 16 rip-rap shall be placed on top of the rigid lip and extend down slope at least 3 feet. A filter fabric shall be placed under the coarse aggregate.
 Immediately after level spreader construction, seed and mulch the entire disturbed area of the spreader in accordance with the Standards and Specifications for Vegetative Stabilization.

CONSIDERATIONS
 The level spreader is a relatively low-cost structure to:
 1. Disperse impervious surface runoff from a filter strip or
 2. Reduce small volumes of concentrated flow from diversions when conditions are suitable.

To accomplish these purposes, particular care must be taken to construct the spreader lip completely level. Any depression in the lip will concentrate the flow, resulting in a loss of pollutant filtering effectiveness and/or erosion. Evaluate the outlet system to be sure that flow does not concentrate below the outlet.

For filter strip applications, the determination of whether a level spreader is needed should be based on how the runoff is entering the filter strip. If the runoff is concentrated by curb cuts, and particularly if a large area of impervious surface drains to one point, a level spreader is essential to achieve effective pollutant removal in the filter strip. A level spreader also is important if the filter strip is relatively steep in order to avoid erosion from concentrated runoff discharge. If the runoff is evenly distributed over the width of the impervious surface (e.g., a curbside, even-speed road or parking lot), a level spreader may not be necessary.

When the level spreader is used as an outlet for temporary or permanent diversions and diversion ditches, runoff containing high sediment loads must be treated in an approved sediment trapping device.
OPERATION AND MAINTENANCE
 Inspect level spreaders after every rainfall until vegetation is established, and promptly make needed repairs. After the area has been stabilized, make periodic inspections and maintain vegetation in a healthy, vigorous condition.
 Verify that the level spreader is distributing flow evenly; if problems are noted, make appropriate modifications to ensure even flow distribution.

DUST CONTROL

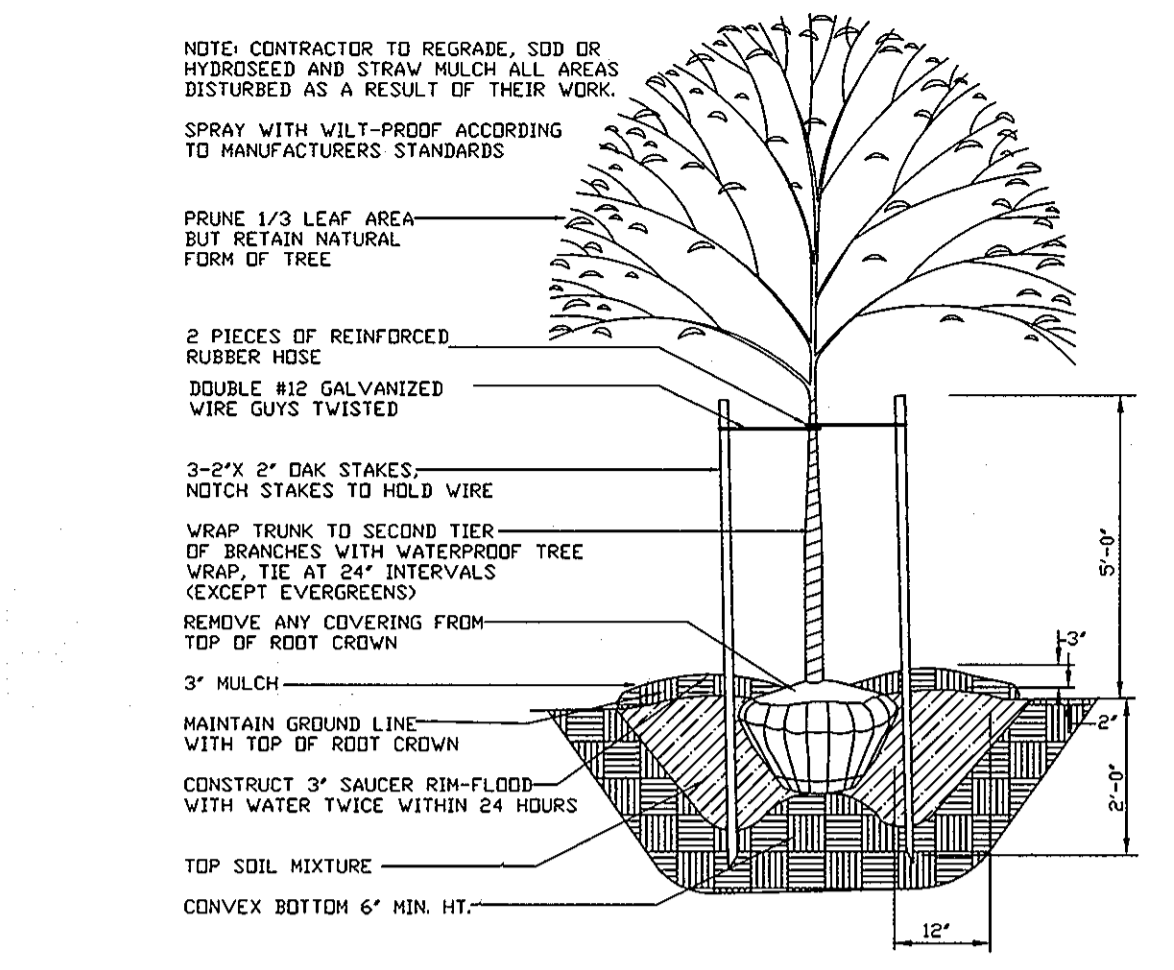
DEFINITION
 CONTROLLING DUST BLOWING AND MOVEMENT ON CONSTRUCTION SITES AND ROADS.

PURPOSE
 TO PREVENT BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES, REDUCE ON AND OFF-SITE DAMAGE, HEALTH HAZARDS AND IMPROVE TRAFFIC SAFETY.

CONDITIONS WHERE PRACTICE APPLIES
 THIS PRACTICE IS APPLICABLE TO AREAS SUBJECT TO DUST BLOWING AND MOVEMENT WHERE ON AND OFF-SITE DAMAGE IS LIKELY WITHOUT TREATMENT.

SPECIFICATIONS
TEMPORARY METHODS
 1. MULCHES - SEE STANDARDS FOR VEGETATIVE STABILIZATION WITH MULCHES ONLY. MULCH SHOULD BE COMPED OR TACKED TO PREVENT BLOWING.
 2. VEGETATIVE COVER - SEE STANDARDS FOR TEMPORARY VEGETATIVE COVER.
 3. TILLAGE - TO ROUGHEN SURFACE AND BRING CLODS TO THE SURFACE. THIS IS AN EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE SOIL BLOWING STARTS. BEGIN PLOWING ON WINDWARD SIDE OF THE SITE. CHESEL-TYPE PLOWS SPACED ABOUT 12' APART, SPRING-TOOTHED HARROWS AND SIMILAR PLOWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.
 4. IRRIGATION - THIS IS GENERALLY DONE AS AN EMERGENCY TREATMENT. SITE IS SPRINKLED WITH WATER UNTIL THE SURFACE IS MOIST. REPEAT AS NEEDED AT NO TIME SHORTER TO THE POINT THAT RUNOFF BEGINS TO FLOW.
 5. BARRIERS - SOLID BOARD FENCES, SILT FENCES, SNOW FENCES, BURLAP FENCES, STRAW BALE DICES AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING. BARRIERS PLACED AT RIGHT ANGLES TO PREVAILING CURRENTS AT INTERVALS OF ABOUT 10 TIMES THEIR HEIGHT ARE EFFECTIVE IN CONTROLLING SOIL BLOWING.
 6. CALCIUM CHLORIDE - APPLY AT RATES THAT WILL KEEP SURFACE MOIST. MAY NEED RETREATMENT.

PERMANENT METHODS
 PERMANENT VEGETATION - SEE STANDARDS FOR PERMANENT VEGETATIVE COVER AND PERMANENT STABILIZATION WITH SOIL, EXISTING TREES OR LARGE SHRUBS MAY AFFORD VALUABLE PROTECTION IF LEFT IN PLACE.
 2. TOPSOILING - COVERING WITH LESS ERODIBLE SOIL MATERIALS. SEE STANDARDS FOR TOPSOILING.
 3. STONE - COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL.



TREE PLANTING DETAIL
PLANTING SPECIFICATIONS

Plants, related material, and operations shall meet the detailed description as given on the plans and as described herein.
 All plant material, unless otherwise specified, shall be nursery grown, uniformly branched, have a vigorous root system, and shall conform to the species, size, root and shape shown on the plant list and the American Association of Nurserymen (AAO Standards). Plant material shall be healthy, vigorous, free from defects, decay, disfiguring roots, sun scald injuries, abrasions of the bark, plant disease, insect pest eggs, borers and all forms of insect infestations or objectionable infestations. Plant material that is weak or which has been cut back from larger grades to meet specified requirements will be rejected. Trees with forked leaders will not be accepted. All plants shall be freshly dug, no hold-in plants from cold storage will be accepted.
 Unless otherwise specified, all general conditions, planting operations, details and planting specification shall conform to "Landscape Specification Guidelines for Baltimore-Washington Metropolitan Areas," thereafter "Landscape Guidelines" approved by the Landscape Contractors Association of Metropolitan Washington and the Potomac Chapter of the American Society of Landscape Architects, latest edition, including all amendments.
 Contractor shall be required to guarantee all plant material for a period of one year after date of acceptance in accordance with the appropriate section of the Landscape Guidelines. Contractor's attention is directed to the maintenance requirements found within the one year specifications including watering and replacement of specified plant material.
 Contractor shall be responsible for notifying utility companies, utility contractors and "Miss Utility" a minimum of 48 hours prior to beginning any work. Contractor may make minor adjustments in spacing and location of plant material to avoid conflicts with utilities. Damage to existing structure and utilities shall be repaired at the expense of the Contractor.
 Protection of existing vegetation to remain shall be accomplished by the temporary installation of 4 foot high snow fence or blaze orange safety fence at the drip line.
 Contractor is responsible for installing all material in the proper planting season for each plant type. All planting is to be completed within the growing season of completion of site construction.
 Bid shall be based on actual site conditions. No extra payment shall be made for work arising from site conditions differing from those indicated on drawings and specifications.
 Plant quantities are provided for the convenience of the contractor only. If discrepancies exist between quantities shown on the plan and those shown on the plant list, the quantities on the plant list shall prevail.
 All shrubs shall be planted in continuous trenches or prepared planting beds and mulched with composted hardwood mulch as details and specified except where noted on plans.
 Positive drainage shall be maintained in planting beds 2 percent slope.
 Planting mix shall be as follows: Deciduous Plants - Two parts topsoil, one part well-rotted cow or horse manure. Add 3 lbs. of standard fertilizer per cubic yard of planting mix. Evergreen Plants - two parts topsoil, one part humus or other approved organic material. Add 3 lbs. of evergreen acidic fertilizer per cubic yard of planting mix. Topsoil shall conform to the Landscape Guidelines.
 Weed Control: Incorporate a pre-emergent herbicide into the planting bed following recommended rates on the label. Caution: Be sure to carefully check the chemical used to assure its adaptability to the specific ground cover to be treated.
 All areas within contract limits disturbed during or prior to construction not designated to receive plants and mulch shall be fine graded and seeded.
 This plan is intended for landscape use only; see other plan sheets for more information on grading, sediment control, layout, etc.

TEMPORARY SEEDING
 Vegetation - annual grass or grain used to provide cover on disturbed areas for up to 12 months. For longer duration of vegetative cover, Permanent Seeding is required.
A. Seed mixtures - Temporary Seeding
 1. Select one or more of the species or mixtures listed in Table 26 for the appropriate Plant Hardiness Zone from Figure 20 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 plans and completed, then Table 26 must be put on the plans.
 2. For sites having soil tests performed, the rates shown on this table shall be deleted and the rates recommended by the testing agency shall be written in. Soil tests are not required for Temporary Seeding.

Seed Mixture (Hardness Zone _____) From Table 26				Fertilizer Rate (0-10-10)	Lime Rate
No.	Species	Application Rate (lb/ac)	Seeding Dates		
1	BARLEY OATS RYE	122 96 140	3/1 - 5/15 8/15 - 10/15 1" - 2" 1" - 2" 1" - 2"	600 lb/ac (25 lb/1000sqft)	2 tons/ac (100 lb/1000sqft)

PERMANENT SEEDING
 Seeding grass and legumes to establish ground cover for a minimum of one year on disturbed areas generally requires low maintenance.
A. Seed mixtures - Permanent Seeding
 1. Select one or more of the species or mixtures listed in Table 25 for the appropriate Plant Hardiness Zone from Figure 20 and enter them in the Permanent Seeding Summary below, along with application rates and seeding dates. Seeding depths can be estimated using Table 26. If this summary is not put on the construction plans and completed, then Table 25 must be put on the plans. Additional planting specifications for exceptional sites such as shorelines, streambanks, or dunes or for special purposes such as wildlife or aesthetic treatment may be found in USDA-SCS Technical Field Office Guide, Section 342 - Critical Area Planting. For special lawn maintenance areas, see Sections IV and V Turfgrass.
 2. For sites having disturbed area over 5 acres, the rates shown on this table shall be deleted and the rates recommended by the soil testing agency shall be written in.
 3. For areas receiving low maintenance, apply urea-form fertilizer (46-0-0) at 3 1/2 lb/1000 sq. ft. (250 lb/ac), in addition to the above soil amendments shown in the table below, to be performed at the time of seeding.

Seed Mixture (Hardness Zone _____) From Table 25				Fertilizer Rate (0-20-20)	Lime Rate
No.	Species	Application Rate (lb/ac)	Seeding Dates		
1	TALL FESCUE (05B) PERENNIAL RYE GRASS (05B) SECTORY BLUEGRASS (05)	185 15 10	3/1 - 5/15 8/15 - 10/15 1" - 2" 1" - 2" 1" - 2"	90 lb/ac (20 lb/1000sqft)	175 lb/ac (14 lb/1000sqft)
3	TALL FESCUE (05B) HARD FESCUE (22B)	120 30	3/1 - 5/15 8/15 - 10/15 1" - 2" 1" - 2"	90 lb/ac (20 lb/1000sqft)	2 tons/ac (100 lb/1000sqft)

SEDIMENT CONTROL NOTES

- 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 (313-18195).
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THERETO.
- FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: a) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PRACTICE SLOPES AND ALL SLOPES STEEPER THAN 3:1, b) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS/BASINS SHOW MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING (SEC. 51), SOD (SEC. 54), TEMPORARY SEEDING (SEC. 50), AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:
 TOTAL AREA OF SITE: 157,536 ACRES
 AREA DISTURBED: 2.25 ACRES
 AREA TO BE ROOFED OR PAVED: 1.07 ACRES
 AREA TO BE VEGETATIVELY STABILIZED: 1.58 ACRES
 TOTAL CUT: 4,000 CU.YDS.
 TOTAL FILL: 4,000 CU.YDS.
 OFFSITE WASTE/BORROW AREA LOCATION: n/a
 CU.YDS.
 2) ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
 3) ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
 4) 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.
 5) 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.

Owners

HOMEWOOD CROSSING HOMEOWNERS ASSOCIATION, INC. ATTN: JOHN MORRIS, VICE-PRESIDENT
 754 COLUMBIA GATEWAY DRIVE, SUITE 230
 COLUMBIA, MARYLAND 21046
 Phone: 410-872-9290

Developer

TOLL HO III LIMITED PARTNERSHIP
 ATTN: JOHN MORRIS, VICE-PRESIDENT
 754 COLUMBIA GATEWAY DRIVE, SUITE 230
 COLUMBIA, MARYLAND 21046
 Phone: 410-872-9290



FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTRAL OFFICE: PARK - 18775 BROADWAY NATIONAL FEE
 ELICOTT CITY, MARYLAND 21041
 (410) 461 - 2555

SUPPLEMENTAL PLAN SEDIMENT CONTROL DETAIL SHEET

HOMEWOOD CROSSING PHASE 3 - PART TWO
 Lots 01 Thru 06 And Non-Buildable Preservation Parcel 'R'
 (A) Re subdivision of Non-Buildable Parcels 'C', 'F', and 'G'
 'HomeWood Crossing' - P11 Nos. 17805 Thru 17920, Non-Buildable Parcels 'P'
 And Non-Buildable Preservation Parcel 'R'
 'HomeWood Crossing Phase 2' - P11 Nos. 18040 Thru 18047,
 And Non-Buildable Preservation Parcel 'P' And Non-Buildable Parcels 'Q'
 'HomeWood Crossing Phase 3 - Part One' - P11 Nos. Thru 3
 Tax Maps 29, Grids 0, 1, 4 And 15, Parcels 28,
 5th Election District, Howard County, Maryland
 Date: September, 2009
 Sheet 7 of 7