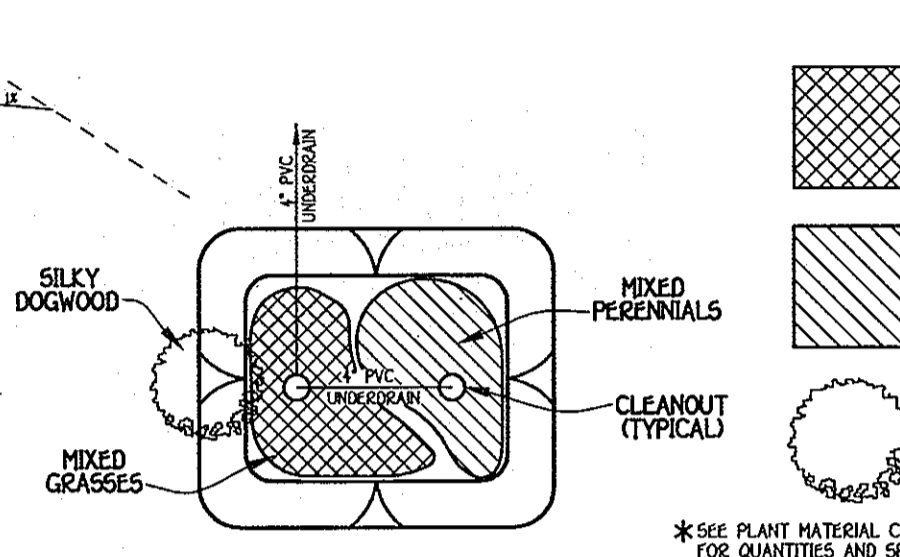
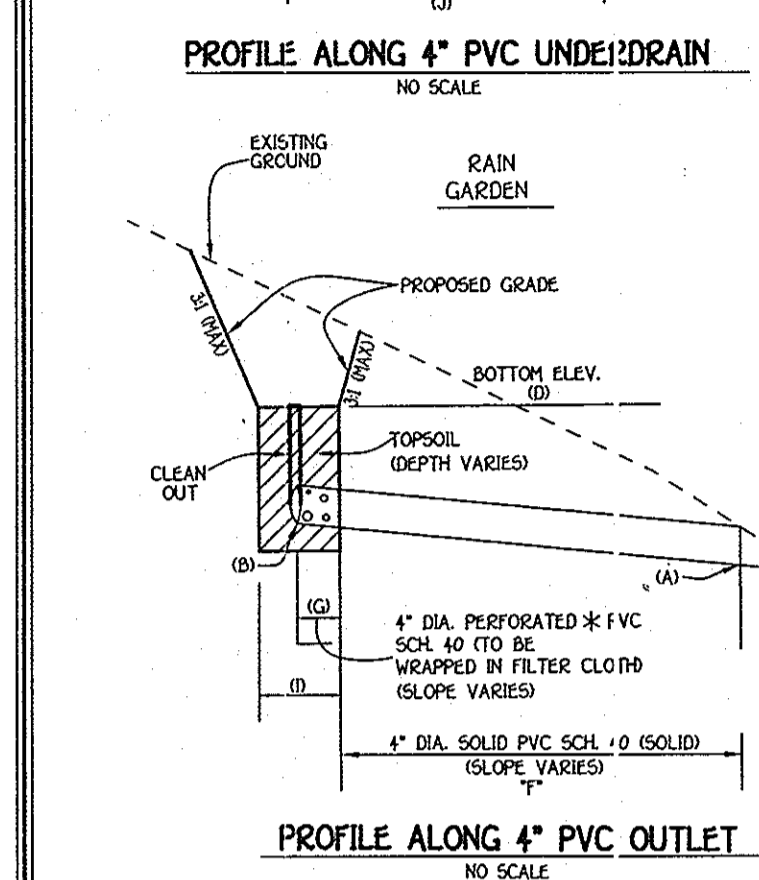


**BIORETENTION FILTER DATA**

BIORETENTION FILTER	A	B	C	D	E	F	G	H	I	J
1	299.50	298.50	298.50	300.00	301.50	32	2.5	10	5	10
2	293.50	294.50	294.50	297.00	297.50	24	2.5	10	5	10

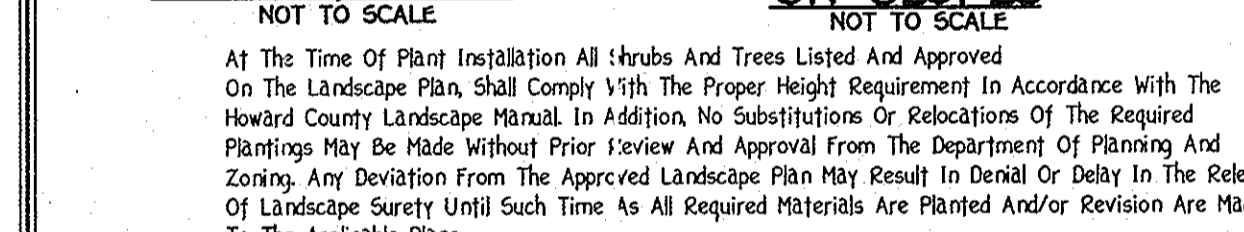
**BIORETENTION FILTER PLANT MATERIAL**

QUANTITY	NAME	MAXIMUM SPACING (FT.)
45	MIXED PERENNIALS	1 FT.
45	MIXED GRASSES	1 FT.
1	SILKY DOGWOOD	PLANT AWAY FROM INFLOW LOCATION



**PRIVATE BIORETENTION FILTER OPERATION & MAINTENANCE SCHEDULE**

- ANNUAL 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. ANY MULCH REPLACEMENT SHALL BE DONE IN THE SPRING. PLANT MATERIAL SHALL BE CHECKED FOR DISEASE AND INSECT INFESTATION AND MAINTENANCE WILL ADDRESS DEAD MATERIAL AND PRUNING.
- SCHEDULE OF PLANT INSPECTION WILL BE TWICE A YEAR IN SPRING AND FALL. THIS INSPECTION WILL INCLUDE REMOVAL OF DEAD AND DISEASED VEGETATION CONSIDER BEYOND TREATMENT. TREATMENT OF ALL DISEASED TREES AND SHRUBS AND REPLACEMENT OF ALL DEFICIENT STAGES AND WIRES.
- MULCH SHALL BE INSPECTED EACH SPRING. REMOVE PREVIOUS MULCH LAYER BEFORE APPLYING NEW LAYER. REPLACE MULCH LAYER WITH A MINIMUM OF ONCE PER MONTH A YEAR AFTER HEAVY STORM EVENTS.



At the Time of Plant Installation All Shrubs and Trees Listed and Approved on the Landscape Plan, shall Comply with the Proper Height Requirement in Accordance with the Howard County Landscape Manual. In Addition, No Substitutions or Relocations of the Required Plantings May be Made Without Prior Review and Approval from the Department of Planning and Zoning. Any Deviation from the Approved Landscape Plan May Result in Denial or Delay in the Release of Landscape Surety Until Such Time as All Required Materials are Planted And/or Revision are Made to the Applicable Plans.

The Owner, Tenants And/or Their Agents Shall be Responsible for Maintenance of the Required Landscaping Including both Plant Materials and Berms, 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 PERIMETER PROPERTIES	P-3 ADJACENT TO ROADWAY	TOTALS
LANDSCAPE TYPE	A	A	N/A	N/A
LINEAR FEET OF PERIMETER	263.00'	104.33'	104.56'	N/A
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET)	YES, 98.00'	YES, 54.00'	NO	N/A
CREDIT FOR WALL, FENCE OR BERM (YES, NO, LINEAR FEET)	NO	NO	NO	N/A
NUMBER OF PLANTS REQUIRED				
SHADE TREES	65.00' / 60 = 2.75 = 3	50.33' / 60 = .81 = 1	0	4
EVERGREENS	0	0	0	0
SHRUBS	0	0	0	0
NUMBER OF PLANTS PROVIDED				
SHADE TREES	3	1	0	4
EVERGREENS TREES	0	0	0	0
OTHER TREES (2:1 SUBSTITUTION)	0	0	0	0
SHRUBS (1:1 SUBSTITUTION)	0	0	0	0

**APPROVED DEPARTMENT OF PLANNING AND ZONING**

*Chief, Department of Planning and Zoning*

*Chief, Division of Land Development*

*Chief, Development Engineering Division*

9/28/07 DATE

9/22/07 DATE



**STREET TREE SCHEDULE**

QUANTITY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE
5	(Symbol)	PRUNUS SARGENTII	SARGENT CHERRY	2 1/2" - 3" CALIPER FULL CROWN, B&B

**LANDSCAPE SCHEDULE**

QUANTITY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE
4	(Symbol)	ACER RUBRUM	OCTOBER GLORY	2 1/2" - 3" CALIPER FULL CROWN, B&B
	(Symbol)	OCTOBER GLORY	OCTOBER RED MAPLE	2 1/2" - 3" CALIPER FULL CROWN, B&B

**BUILDER/DEVELOPER'S CERTIFICATE**

I/WE CERTIFY THAT THE REQUIRED LANDSCAPING WILL BE DONE ACCORDING TO THE PLAN, SECTION 16124 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 ZONING.

*Rajesh Pubbi* DATE: 9/6/07

*Vibha Pubbi* DATE: 9/6/07

**SOILS LEGEND**

SOIL	NAME	CLASS
MIE	MANOR LOAM, 25 TO 45 PERCENT SLOPES	B
EKC2	ELIOLAK SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	C
GIB2	GLENELG LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	B
GIC2	GLENELG LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	B
GID2	GLENELG LOAM, 15 TO 25 PERCENT SLOPES, MODERATELY ERODED	B
MID2	MANOR LOAM, 15 TO 25 PERCENT SLOPES, MODERATELY ERODED	B

**LEGEND**

SYMBOL	DESCRIPTION
(Symbol)	EXISTING CONTOUR 2' INTERVAL
(Symbol)	DIRECTION OF DRAINAGE
(Symbol)	SUPER SILT FENCE
(Symbol)	LIMIT OF DISTURBANCE
(Symbol)	EXISTING TREE LINE
(Symbol)	EXISTING TREES TO REMAIN
(Symbol)	25% OR GREATER STEEP SLOPES (EXCEEDS 20,000 SQ.FT.)
(Symbol)	15% - 24.9% STEEP SLOPES

**GENERAL NOTES CONTINUED**

31. In accordance with the requirements of Section 16.134(a), (1) and 16.136 - Sidewalks and 5' street trees will be provided along the frontage of lots 101 and 102. Financial surety for these improvements shall be provided as part of a DPW Developer Agreement prior to recordation of the final plat, E-06-126.

**GENERAL NOTES**

- Subject Property Zoned R-20 Per 02/02/04 Comprehensive Zoning Plan.
- Coordinates Based on NAD 83, Maryland Coordinate System As Projected by Howard County Geodetic Control Stations No. 41CA And No. 41C2.
- 51A. 41CA N 550,124.853 meters, E 1,342,960.935 meters
- 51B. 41C2 N 53,046.04 meters, E 1,349,104.227 meters
- This Plat is Based on Field Run Monumented Boundary Survey Performed On Or About May 28, 2004, by Fisher, Collins And Carter, Inc.
- B.R.L. Denotes Building Restriction Line.
- (●) Denotes Iron Pin Set Capped "Y.C.C. 105".
- (○) Denotes Iron Pipe or Iron Bar Found.
- (○) Denotes Angular Change in Bearing of Boundary or Rights-Of-Way.
- (■) Denotes Concrete Monument Set With Aluminum Plate "Y.C.C. 105".
- (■) Denotes Concrete Monument or Stone Found.
- For Flag or Pipestem Lots, Refuse Collection, Snow Removal and Road Maintenance are Provided to the Junction of the Flag or Pipestem And Road Right-Of-Way Line And Not to the Pipestem Lot Driveway.
- Driveways shall be Provided Prior to Issuance of A Residential Occupancy Permit For Any New Dwelling To Insure Safe Access For Fire And Emergency Vehicles Per The Following Minimum Requirements:
  - Width - 12 Feet (14 Feet Serving More Than One Residence)
  - Surface - Six (6) Inches Of Compacted Crusher Run Base With Tar And Chip Coating, (11-1/2" Minimum)
  - Geometry - Maximum 15% Grade, Maximum 10% Grade Change And 45-Foot Turning Radius
  - Structures (Culverts/Bridges) - Capable of Supporting 25 Gross Tons (1125-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.
- All Lot Areas are More Or Less (+/-).
- Distances Shown are Based on Surface Measurement And Not Reduced to NAD.
- 83 Grid Measurement.
- No 100 Year Floodplain Exist on Site.
- Previous Department of Planning And Zoning File Numbers F-00-106, F-03-188, SDP 05-039, WP-06-074 & W65 Contract No. 24-3957-0.
- There is An Existing Dwelling/Structure(s) Located on Lot 102 to Remain. No New Buildings, Extensions Or Additions to the Existing Dwelling(s) are To be Constructed At A Distance Less Than the Zoning Regulations Require.
- A Fee in Lieu of Forest Conservation Easement of 0.76 Ac. Has Been Paid in the Amount of 0.076 x 43560(0.75) = \$24,829.29 To Fulfill the Requirements of Section 16.124 of the Howard County Code Forest Conservation Act.
- Landscaping for lot 101 is provided in accordance with a certified landscape plan on file with this plat in accordance with section 16.124 of the H.C. Code and the Landscape Manual. The perimeter landscaping requirements will be further reviewed at the time of submission of the site development plan for lot 101. Lot 102 is exempt from perimeter landscaping requirements because it contains an existing dwelling.
- Lot 101 Requires the Submission and Approval of A Site Development Plan in Accordance with Section 16.155A(2)(ii) of the Subdivision Regulations.
- This Plat is in Compliance with the Amended Fifth Edition of the Subdivision And Land Development Regulations Per Council Bill 45-2003 And the Zoning Regulations As Amended by Council Bill 75-2003. Development or Construction on These Lots Must Comply with Subpart B and Buffer Regulations in Effect at the Time of Submission of the Site Development Plan, Waiver Petition Application, or Building/Grading Permit.
- Fee in Lieu of Providing Open Space Has Been Paid in the Amount of \$1,500.00.
- Water Quality Volume And Groundwater Recharge Requirements for This Site will be Provided by Private Bioretention Filter Systems. These Systems will be Designed in Accordance with the 2000 Maryland Stormwater Management Design Manual, Volumes I and II. Channel Protection Volume Management will Not be Required because the Runoff Rate Generated by the 1-year Post Development Peak Discharge is Less Than the 2.0 Cfs As Mandated by the Aforementioned Manual. The Driveway will be Disconnected by the Use of Parallel Level Areas To Promote Vegetative Filtering.
- Traffic Study has Prepared by M&R Group On November, 2005.
- No Cemeteries Exist on this Site Based on A Visual Site Visit And Based on A Examination of the Howard County Cemetery Inventory Map.
- Water And Sewer Service to These Lots will be Granted Under the Provisions of Section 16.122B of the Howard County Code.
- Public Water And Sewage Allocations will be Granted At Time of Issuance of the Building Permit if Capacity is Available At That Time.
- No Wetland Areas Located on Site or Within 25 Feet of This Property Per the Environmental Study Performed by Eco-Science Professional, Inc. Dated February 4, 2005. There are No Streams or their Buffer Located on this Site.
- Plat Subject to WP-06-074 which the Planning Director Approved on February 28, 2006 Subject to the following Conditions:
  - Section 16.132(a)(2)(i)(b): Submission of a Cost Estimate for a Fee-in-lieu of Construction Width Along the Property Frontage.
  - Section 16.133: Submission of a Cost Estimate for a Fee-in-lieu of Constructing of the Full Pavement Storm Drain within Roadway Frontage Improvements.
  - Section 16.135(a): Submission of a Cost Estimate for a Fee-in-lieu of Installing Street Lighting.
- The Planning Director Directed a Request to Waive the Following:
  - Section 16.134(a)(1)(i): Construction of Sidewalk Along Property Frontage.
  - Section 16.135: Installation of Street Trees Along Property Frontage.
- The 3' Rear Building Restriction Line (BRL) for Lot 102 is in Accordance with Section 16.120 (b)(ii), (iii) of the Subdivision Regulations which Prohibits the Building Envelope to be No Closer Than 35-feet from Step Slopes On R-20 In Fill Subdivisions. The 3' Rear BRL Represents the Boundary of the 35' Buffer from the 25% or Greater Step Slopes Containing a Contiguous On-Site or Off-Site Area of 20,000 Square Feet Or Greater. Therefore, the Distance from the Rear Building Restriction Line To the M&R Property Line of Lot 102 will Vary in Distance, Not to be Less Than 30 Feet Per the Zoning Regulations.
- This Plan is Based Upon Field Topography Performed by Fisher, Collins And Carter, Inc. On May 28, 2004. *General Notes Continued Above Left*

**BENCH MARKS**

T.P. 41CA ELEV. 295.98  
N. 550,124.853  
E. 1,342,960.935  
LOC. NEAR THE END OF & ALONG JUDY LANE

T.P. 41C2 ELEV. 395.856  
N. 53,046.04  
E. 1,349,104.227  
LOC. NEAR THE INTERSECTION OF ROUTE 29 & ROUTE 32

**VICINITY MAP**  
SCALE: 1" = 200'

**General Notes:**

**SUPPLEMENTAL PLAN TOPOGRAPHY, SOILS, STORMWATER MANAGEMENT & LANDSCAPING PLAN**

**FOREST CONSERVATION & LANDSCAPING PLAN**

**SINGLE FAMILY DETACHED HOLIDAY HILLS**

**SECTION 5**

**LOTS 101 & 102**

(A Resubdivision of Lot 61 - Holiday Hills Plat No. 1605B)

TAX MAP NO: 41 P/O PARCEL NO: 273 GRID NO: 5

FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE: 1" = 30' DATE: August 24, 2006

SHEET 1 OF 1