

SHEET INDEX	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	SUPPLEMENTAL PLAN-LANDSCAPING NOTES AND DETAILS

Minimum Lot Size Tabulation			
Lot No.	Gross Area	Pipestem Area	Minimum Lot Size
120	22,997 Sq. Ft.*	2,033 Sq. Ft.*	20,164 Sq. Ft.*

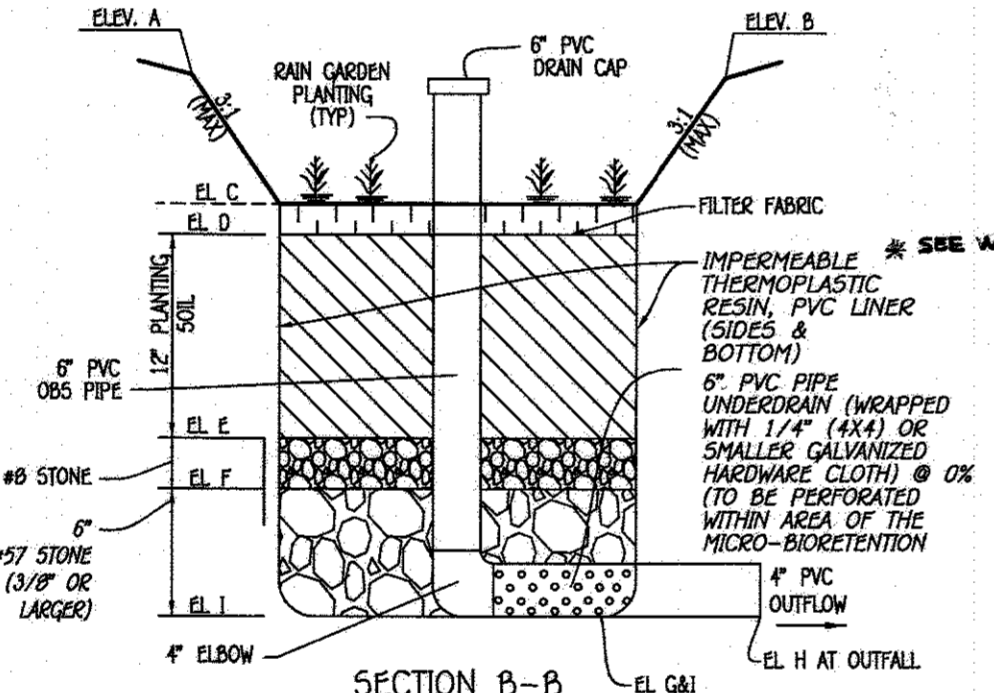
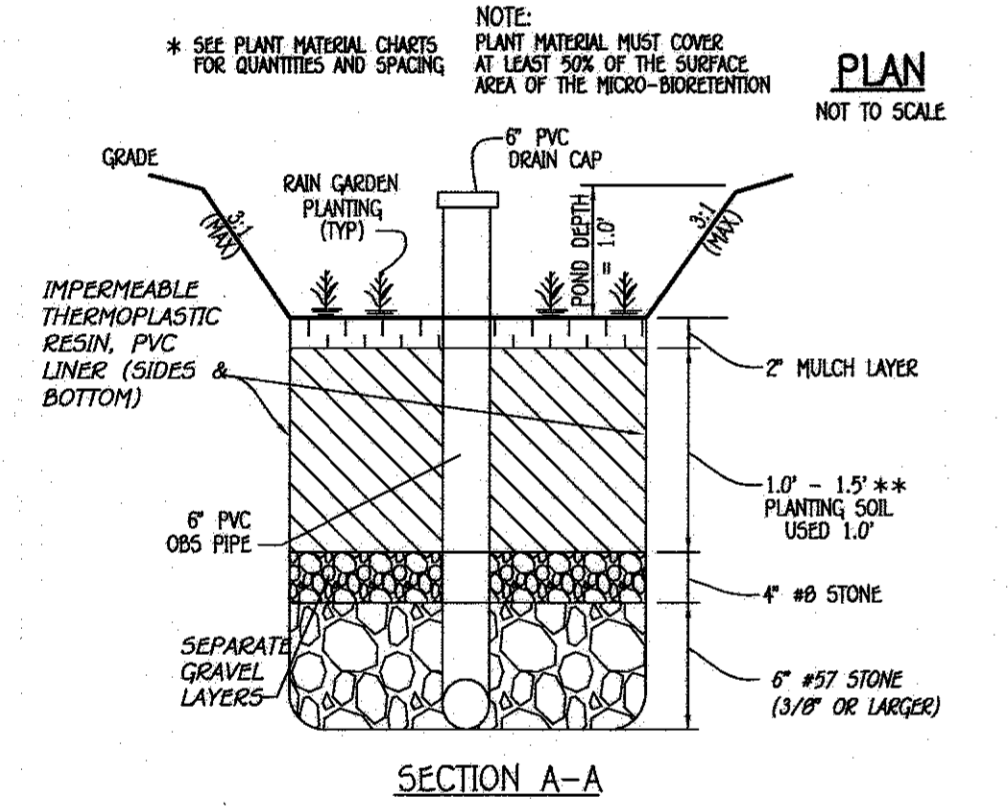
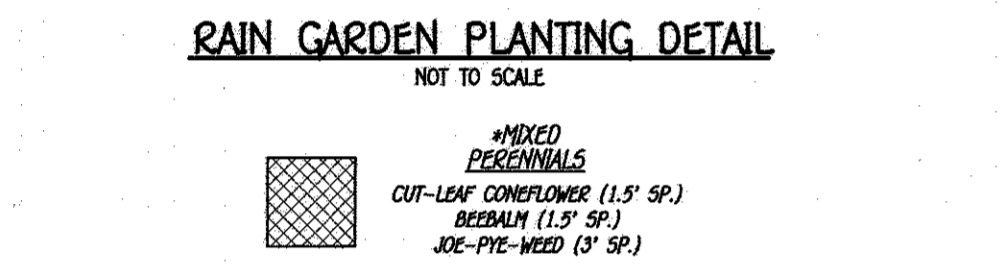
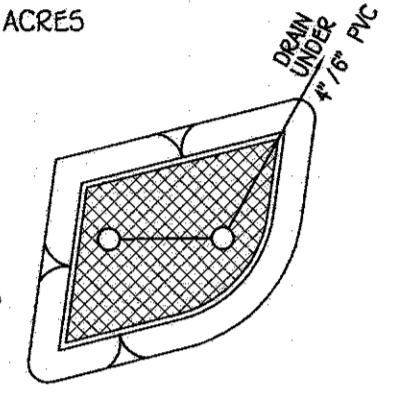
SOILS LEGEND			
SOIL	NAME	CLASS	K FACTOR
G/B	Gládetone - Urban land complex, 0 to 8 percent slopes	A	0.20

Soil Map Number: 23 (Clarkville, 5E)

STORMWATER MANAGEMENT SUMMARY			
AREA ID.	ESDY REQUIRED CU.FT.	ESDY PROVIDED CU.FT.	REMARKS
SITE	341	378	DRY WELLS (M-5)
TOTAL	341	378	

MICRO-BIORETENTION									
BIORETENTION FILTER	A	B	C	D	E	F	G	H	I
1 (SIDE)	343.76	343.5	343.0	343.03	342.83	342.50	342.0	339.5	342.0

GROSS AREA = 1.003 ACRES  
 LOD = 0.34 ACRES  
 RCN = 30  
 TARGET P<sub>e</sub> = 1.2"



RAIN GARDEN DETAIL (M-7)  
NOT TO SCALE

Material	Specification	Size	Notes
Plantings	see Appendix A, Table A.4	n/a	plantings are site-specific
Planting soil	loamy sand 60-85% compost 35-40% or sandy loam 50% coarse sand 30% compost 40%		USDA soil types loamy sand or sandy loam; clay content <5%
Organic Content	Min. 10% by dry weight (ASTM D 2974)		
Mulch	arstedded hardwood		aged 6 months, minimum
Pea gravel diaphragm	pea gravel; ASTM-D-448	No. 8 or No. 9 (1/8" to 3/8")	
Curtain drain	ornamental stone; washed cobbles	stone: 2" to 3"	
Geotextile	n/a		PE Type 1 nonwoven
Gravel (underdrains and infiltration berms)	ASTM H-43	No. 57 or No. Aggregate (3/8" to 3/4")	
Underdrain piping	F 750, Type P5 25 or AASHTO H-278	4" to 6" rigid schedule 40 PVC or SDR35	slotted or perforated pipe; 3/8" perft.; 0" on center. 4 holes per row; minimum of 3" of gravel over pipe; not necessary underneath pipes. Perforated pipe shall be wrapped with 1/4" galvanized hardware cloth
Paused in place concrete (if required)	MSHA Min No. 3; f = 3500 psi at 28 days, normal weight, air-entrained; reinforcing to meet ASTM-B15-60	n/a	on-site testing of pour-in-place concrete required. 28 day strength and slump test; all concrete design (cast-in-place or pre-cast) not using previously approved site or local materials requires design drawings sealed and approved by a professional structural engineer licensed in the State of Maryland - design to include meeting ACI Code 308.4R/99; vertical loading 4x-10 or H-20; allowable horizontal loading (based on soil pressure); and analysis of potential cracking
Sand	AASHTO-H-6 or ASTM-C-33	0.075" to 0.04"	Sand substitutions such as Gisham and Graystone (AASHTO #10 are not acceptable. No oilstone contained or dolomitic sand substitutions are acceptable. No "rock dust" can be used for sand.

**Owner**  
 DANIEL AND MARY DUGAN  
 10813 HUNTING LANE  
 COLUMBIA, MARYLAND 21044-4207  
 202-359-4259

**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CENTONAL SOURCE OFFICE PARK - 10275 GAITHERS ROAD, SUITE 100  
 ELIZABETH CITY, MARYLAND 21842

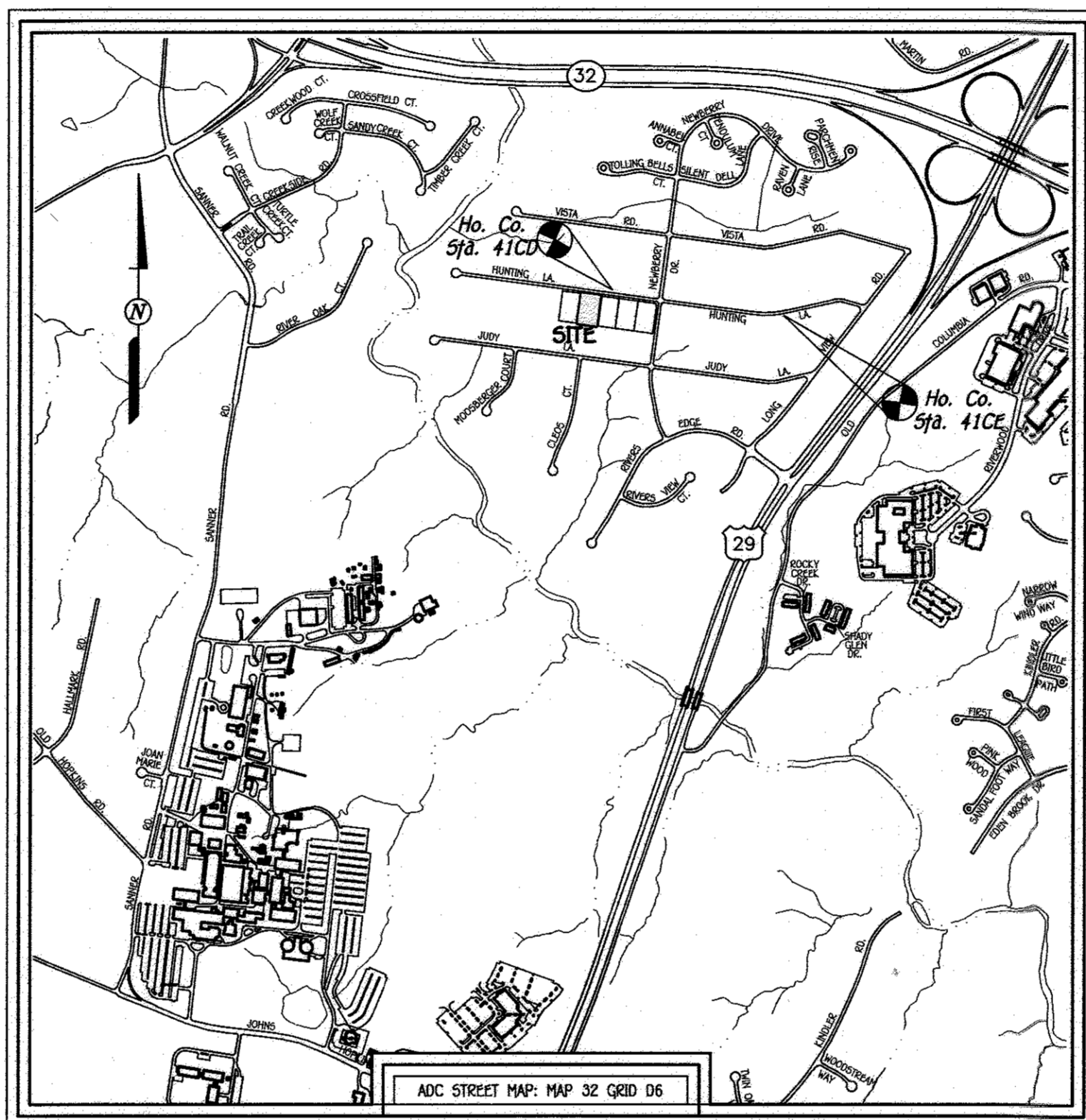
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*W. J. ...*  
 Chief, Division of Land Development  
 Date: 5-15-17

*W. J. ...*  
 Chief, Development Engineering Division  
 Date: 5-12-17

# SUPPLEMENTAL PLAN HOLIDAY HILLS LOTS 127 AND 128

TAX MAP No. 41 GRID No. 05 PARCEL NO. 273  
 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND



VICINITY MAP  
SCALE: 1" = 1200'

BENCHMARK INFORMATION	
B.M.#1	HOWARD COUNTY CONTROL STATION #41CD - HORIZONTAL - NAD '83 (LOCATED ON THE NORTH SIDE OF HUNTING LANE WEST OF NEWBERRY DRIVE) N 550,540.6890 E 1,344,308.3950 ELEVATION = 347.74 - VERTICAL - (NAVD '86)
B.M.#2	HOWARD COUNTY CONTROL STATION #41CE - HORIZONTAL - (NAD '83) (LOCATED ON THE SOUTH SIDE OF HUNTING LANE) N 550,340.9790 E 1,345,892.2830 ELEVATION = 371.34 - VERTICAL - (NAVD '86)

MICRO-BIORETENTION PLANT MATERIAL		
MICRO-BIO QUANTITY	NAME	MAXIMUM SPACING (FT.)
12	MIXED PERENNIALS	1.5 TO 3.0 FT.

### OPERATION & MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED DRY WELLS (M-5)

- THE OWNER SHALL INSPECT THE MONITORING WELLS AND STRUCTURES ON A QUARTERLY BASIS AND AFTER EVERY HEAVY STORM EVENT.
- THE OWNER SHALL RECORD THE WATER LEVELS AND SEDIMENT BUILD UP IN THE MONITORING WELLS OVER A PERIOD OF SEVERAL DAYS TO ENSURE TRENCH DRAINAGE.
- THE OWNER SHALL MAINTAIN A LOG BOOK TO DETERMINE THE RATE AT WHICH THE FACILITY DRAINS.
- WHEN THE FACILITY BECOMES CLOGGED SO THAT IT DOES NOT DRAIN DOWN WITHIN A SEVENTY-TWO (72) HOUR TIME PERIOD, CORRECTIVE ACTION SHALL BE TAKEN.
- THE MAINTENANCE LOG BOOK SHALL BE AVAILABLE TO HOWARD COUNTY FOR INSPECTION TO INSURE COMPLIANCE WITH OPERATION AND MAINTENANCE CRITERIA.
- ONCE THE PERFORMANCE CHARACTERISTICS OF THE INFILTRATION FACILITY HAVE BEEN VERIFIED, THE MONITORING SCHEDULE CAN BE REDUCED TO AN ANNUAL BASIS UNLESS THE PERFORMANCE DATA INDICATES THAT A MORE FREQUENT SCHEDULE IS REQUIRED.

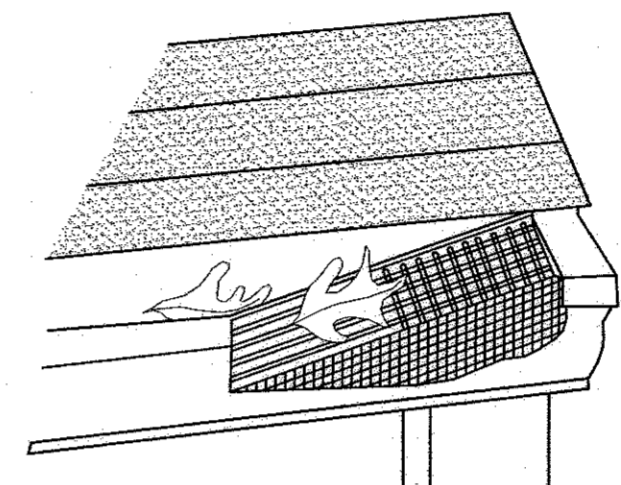
**PROFESSIONAL CERTIFICATION**  
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 38386, EXPIRATION DATE: 01/31/2016.

*Stephanie ...*  
 Signature of Professional Engineer  
 Date: 5/3/17

LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
- - -	EXISTING 2' CONTOURS	- - -	PROPOSED CONTOUR
- - -	EXISTING 10' CONTOURS	+362.5	SPOT ELEVATION
G/B	SOILS LINES AND TYPE	---	LIMITS OF DISTURBANCE
- - -	EXISTING TRENCH	---	DRAINAGE AREA DIVIDE
○	INDIVIDUAL TREES & SHRUBS	---	SILT FENCE
- - -	EXISTING FENCE LINE	---	EROSION CONTROL MATTING
---	EXISTING & PROPOSED PAVING	---	STABILIZES CONSTRUCTION ENTRANCE

#### General Notes:

- Subject Property Zoned R-20 Per 10/06/13 Comprehensive Zoning Plan.
- Coordinates Based On NAD '83, Maryland Coordinate System As Projected By Howard County Geodetic Control Stations No. 41CD And No. 41CE.  
Sta. 41CD N 550,540.6890 E 1,344,308.3950 Elev. = 347.74  
Sta. 41CE N 550,340.9790 E 1,345,892.2830 Elev. = 371.34
- This Plan Is Based On Field Run Monumented Boundary Survey Performed On Or About January, 2016 By Fisher, Collins And Carter, Inc.
- B.R.L. Denotes Building Restriction Line
- Denotes Iron Pin Set Capped "F.C.C. 106"
- Denotes Iron Pipe Or Iron Bolt Found.
- Denotes Angular Change In Bearing Of Boundary Or Rights-Of-Way.
- Denotes Concrete Monument Set With Aluminum Plate "F.C.C. 106"
- Denotes Concrete Monument Or Stone Found.
- All Areas Are More Or Less (L.S.)
- Distances Shown Are Based On Surface Measurement And Not Reduced To NAD '83 Grid Measurement.
- For Flag Or Pipe Stem Lots, Refuse Collection, Snow Removal And Road Maintenance Are Provided To The Junction Of Flag Or Pipe Stem And Road Right-Of-Way Line Only And Not Onto The Flag Or Pipe Stem Lot Driveway.
- Driveways Shall Be Provided Prior To Issuance Of A Use And Occupancy Permit For Any New Dwellings To Ensure Safe Access For Fire And Emergency Vehicles For The Following (Minimum) Requirements:  
a). Width - 12 Feet (16 Feet Serving More Than One Residence).  
b). Surface - Six (6") Inches Of Compacted Crusher Run Base With Tar And Chip Coating. (1 - 1/2" Minimum).  
c). Geometry - Maximum 15% Grade, Maximum 10% Grade Change And 45-Foot Turning Radius.  
d). Structures (Culverts/Bridges) - Capable Of Supporting 25 Gross Tons (425-Loading).  
e). Drainage Elements - Capable Of Safely Passing 100 Year Flood With No More Than 1 Foot Depth Over Surface.  
f). Structure Clearance - Minimum 12 Feet.
- Maintenance - Sufficient To Ensure All Weather Use.
- Property Subject To Prior Department Of Planning And Zoning File No's: ECP-16-049 And WP-17-070.
- No Cemeteries Exist On The Subject Property Based On Visual Observation Or Listed In Available Howard County Cemetery Inventory Map.
- There Is An Existing Dwelling And Garage On Lot 127 To Remain. There Is An Existing Garage On Lot 128 To Be Removed. There Is An Existing Landscape Pond On Lot 128 To Be Removed. No New Buildings, Extensions Or Additions To The Existing Dwelling Are To Be Constructed At A Distance Less Than The Zoning Regulation Requirements.
- There Are No Forest Stands, Wetlands, Wetland Buffer, Stream, Stream Buffer And Floodplain Existing On-Site. See Environmental Findings Letter Prepared By Eco-Science Professionals, Inc. Dated June 4, 2016.
- Site Is Not Adjacent To A Scenic Road.
- This Project Complies With The Requirements Of Section 16.1200 Of The Howard County Code And Forest Conservation Act. To Fulfill The 0.15 Acres (6,534 Sq.Ft.) Of Afforestation Requirement, The Developer Has Paid A Fee-In-Lieu In The Amount Of \$4,900.00.
- Water And Sewer Service To These Lots Will Be Granted Under The Provisions Of Section 18.122B Of The Howard County Code.
- Public Water And Sewer Allocation Will Be Granted At The Time Of Issuance Of The Building Permit If Capacity Is Available At That Time.
- Stormwater Management Is In Accordance With The M.D.E. Storm Water Design Manual, Volumes I & II, Revised 2009, Non-Structural Practices In Accordance With Chapter 5, "Environmental Site Design" Of The 2007 Maryland Stormwater Management Design Manual, Effective May 4, 2010.
- Maximum Contributing Roof Top Area To Each Downspout Shall Be 1,000 SQ. FT. OR LESS.
- Drywells Shall Be Provided At Locations Where The Length Of Disconnection Is Less Than 75' At 5% THE SIZE AND CONSTRUCTION OF THE DRYWELL SHALL BE IN ACCORDANCE WITH THE DETAIL SHOWN ON THIS SHEET.
- FINAL GRADING IS SHOWN ON THIS SITE DEVELOPMENT PLAN.
- No Noise Study Is Required Because The Project Does Not Fall Within The Guidelines Of Design Manual, Volume III, Roads, Bridges, Section 3.2.F.2.
- Speed Study Dated November, 2016 Was Prepared By Mars Group, Inc.
- Open Space Requirements Are Provided By A Fee-In-Lieu Payment Of \$1,500.00.
- A Community Meeting Was Conducted January 20, 2016 For The Purpose Of The Developer To Provide Information To The Community Regarding The Proposed Residential Development And To Allow The Community To Ask Questions And To Make Comments, Per Section 16.128(d) Of The Subdivision Regulations.
- The Traffic Study For This Project Dated June, 2016 Was Prepared By Mars Group.
- This Property Is Located Within The Metropolitan District And Will Be Served By Public Water And Sewer.
- Subdivision Is Subject To Section 104.0.F. Of The Zoning Regulations. At Least 10% Of The Dwelling Units Shall Be Moderate Income Housing Units (M.I.H.U.). Or An Alternative Compliance Will Be Provided. The Developer Shall Execute A M.I.H.U. Agreement With The Department Of Housing To Indicate How The M.I.H.U. Requirement Will Be Met. The M.I.H.U. Agreement And Covenants Will Be Recorded Simultaneously With The Plat In The Land Records Office Of Howard County, Maryland. This Development Will Meet M.I.H.U. Alternative Compliance By A Payment Of A Fee-In-Lieu To The Department Of Housing For Each Required Unit.  
Moderate Income Housing Unit (M.I.H.U.) Tabulation:  
a. M.I.H.U. Required = (1 Lot x 10%) = 0.1 M.I.H.U.  
b. M.I.H.U. Proposed = Developer Will Pursue Alternative Compliance By Paying A Fee-In-Lieu To The Howard County Housing Department For The Units Required By The Development.  
c. An Executed M.I.H.U. Agreement With The Howard County Housing Department Has Been Recorded In Liber
- The Private Use-In-Common Driveway Access Easement And Maintenance Agreement For Shared Driveway On Lots 127 And 128 Will Be Recorded With The Record Plat.
- No Historic Structures Exist On-Site.
- This Plat Is Subject To WP-17-070 Which On March 9, 2017 The Planning Director Approved A Request For An Alternative Compliance Of Section 16.134(a)(1)(i), Section 16.135 And Section 16.136. Approval Is Subject To The Following Conditions:  
1. Compliance With The Attached DED Comments Dated March 7, 2017 Requiring The Payment Of A Fee-In-Lieu For The Sidewalks And Road Improvements Along The Property Frontage To Be Determined And Provided With F-17-032.  
2. Add A General Note Stating The Approval Date And Conditions In Which WP-17-070 Was Approved.
- On March 9, 2017 The Development Engineering Division Approved A Fee-In-Lieu Payment In The Amount Of \$9,160.80 For Providing Road Improvements



GUTTER DRAIN FILTER DETAIL  
NOT TO SCALE

#### STORMWATER MANAGEMENT NOTES

DRY WELL CHART					
DRYWELL NO.	AREA OF ROOF PER DOWN SPOUT	VOLUME REQUIRED	VOLUME PROVIDED	AREA OF TREATMENT	L W D
EAST	1,000 SQ. FT.	95 C.F.	126 C.F.	100%+	9' x 7' x 5'
S.W.	600 SQ. FT.	57 C.F.	126 C.F.	100%+	9' x 7' x 5'
N.W.	800 SQ. FT.	76 C.F.	126 C.F.	100%+	8' x 6' x 5'

SITE ANALYSIS DATA CHART	
A.	TOTAL AREA OF THIS SUBMISSION = 0.53 AC.+
B.	LIMIT OF DISTURBED AREA = 14,800 SQ.FT. OR 0.34 AC.+
C.	PRESENT ZONING DESIGNATION = R-20 (PER 10/06/2013 COMPREHENSIVE ZONING PLAN)
D.	PROPOSED USE: RESIDENTIAL
E.	PREVIOUS HOWARD COUNTY FILES: N/A
F.	TOTAL AREA OF FLOODPLAIN LOCATED ON-SITE = 0.00 AC.
G.	TOTAL AREA OF MODERATE STEEP SLOPES: 15% - 24.9% = 0.00 AC.+
H.	TOTAL AREA OF STEEP SLOPES: 25% OR GREATER = 0.00 AC.+
I.	TOTAL AREA OF WETLANDS (INCLUDING BUFFER) = 0.00 AC.+
J.	TOTAL AREA OF STREAM (INCLUDING BUFFER) = 0.00 AC.+
K.	TOTAL AREA OF EXISTING FOREST = 0.00 AC.+
L.	TOTAL AREA OF FOREST TO BE RETAINED = 0.00 AC.+
M.	TOTAL AREA OF LOTS / BUILDABLE PARCELS = 0.53 AC.+
N.	TOTAL GREEN OPEN AREA = 0.43 AC.+
O.	TOTAL IMPERVIOUS AREA = 0.10 AC.+
P.	TOTAL AREA OF ERODIBLE SOILS = 0.00 AC.+
P.	TOTAL AREA OF ROAD DEDICATION = 0.00 AC.+

## SUPPLEMENTAL PLAN LANDSCAPE, FOREST CONSERVATION, TOPOGRAPHY & SOILS

**HOLIDAY HILLS**  
 LOTS 127 AND 128  
 10813 HUNTING LANE

TAX MAP #41 GRID #5 PARCEL #273  
 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 ZONED: R-20  
 SCALE: AS SHOWN DATE: May 03, 2017  
 SHEET 1 OF 2

F-17-032

**FOREST CONSERVATION WORKSHEET  
VERSION 1.0**

**BASIC SITE DATA:**

A. TOTAL TRACT AREA	1.00 Ac
B. AREA WITHIN 100 YEAR FLOODPLAIN	0
C. NET TRACT AREA	1.00 Ac

**LAND USE CATEGORY:** (from table 3.2.1, page 40, Manual)  
 ARA MDR IDA HDR MPD CIA

**INFORMATION FOR CALCULATIONS:**

D. AFFORESTATION THRESHOLD	0.15% x D =	0.07
E. FOREST CONSERVATION THRESHOLD	0.20% x D =	0.20

**EXISTING FOREST COVER:**

F. EXISTING FOREST COVER WITHIN NET TRACT AREA	0
G. AREA OF FOREST ABOVE CONSERVATION THRESHOLD	0

**BREAK EVEN POINT:**

H. FOREST RETENTION ABOVE THRESHOLD WITH NO MITIGATION	0
I. CLEARING PERMITTED WITHOUT MITIGATION	0

**PROPOSED FOREST CLEARING:**

J. TOTAL AREA OF FOREST TO BE CLEARED	0
K. TOTAL AREA OF FOREST TO BE RETAINED	0

**PLANTING REQUIREMENTS:**

L. REFORESTATION FOR CLEARING ABOVE CONSERVATION THRESHOLD	0
M. REFORESTATION FOR CLEARING BELOW CONSERVATION THRESHOLD	0
N. CREDIT FOR RETENTION ABOVE CONSERVATION THRESHOLD	0
O. TOTAL AFFORESTATION REQUIRED	0
P. TOTAL REFORESTATION REQUIRED	0.15
Q. TOTAL AFFORESTATION REQUIRED	0.15
R. TOTAL REFORESTATION AND AFFORESTATION REQUIRED	0.15
S. EXCESS FOREST CREDIT	0

**LEGEND**

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
(Dashed line)	EXISTING 2' CONTOURS	(Solid line)	PROPOSED CONTOUR
(Dashed line)	EXISTING 10' CONTOURS	(Dot)	SPOT ELEVATION
(Line with 'S')	SOILS LINES AND TYPE	(Line with 'L')	LIMITS OF DISTURBANCE
(Dashed line)	EXISTING TREETLINE	(Line with 'D')	DRAINAGE AREA DIVIDE
(Circle with 'S')	INDIVIDUAL TREES & SHRUBS	(Line with 'S')	SILT FENCE
(Line with 'E')	EXISTING FENCE LINE	(Line with 'E')	EROSION CONTROL MATTING
(Line with 'P')	EXISTING & PROPOSED PAVING	(Line with 'S')	STABILIZES CONSTRUCTION ENTRANCE
(Line with 'X')	NON-ROOFTOP DISCONNECTION	(Line with 'X')	TO BE REMOVED

**STORMWATER MANAGEMENT PRACTICES**

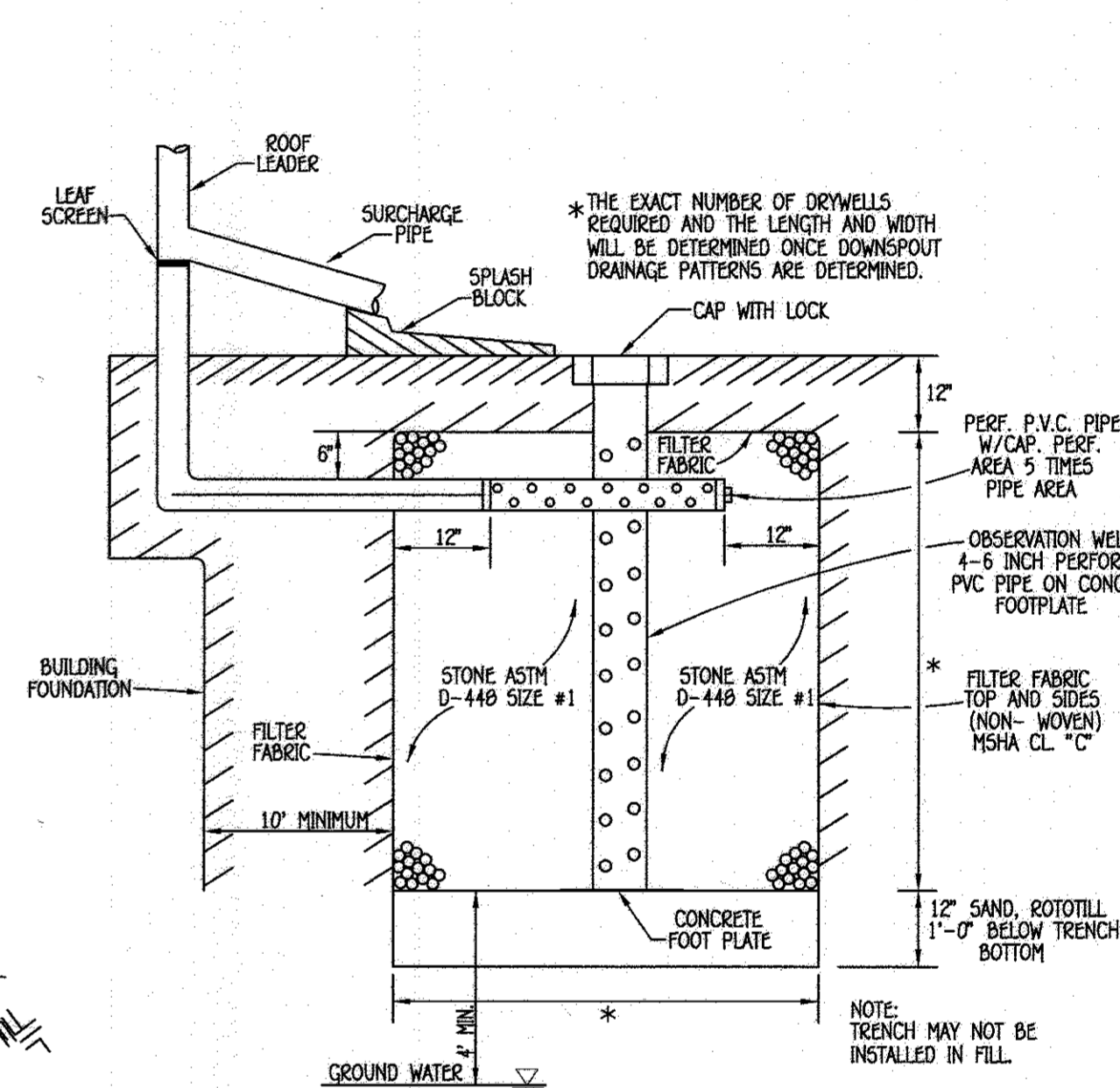
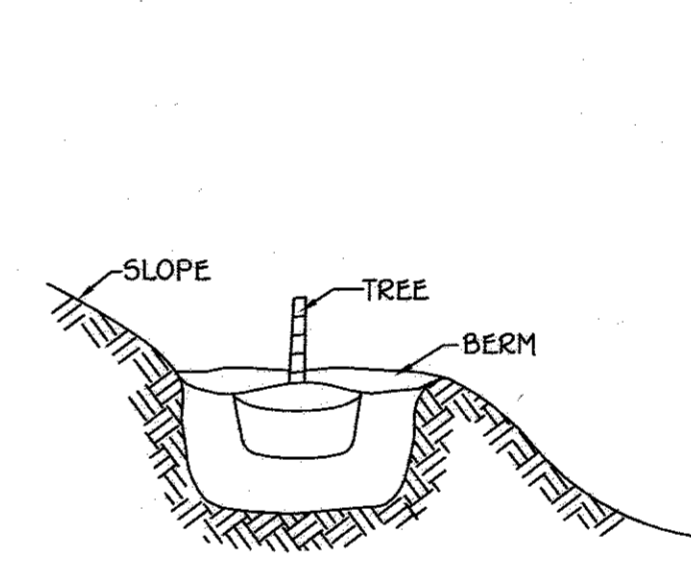
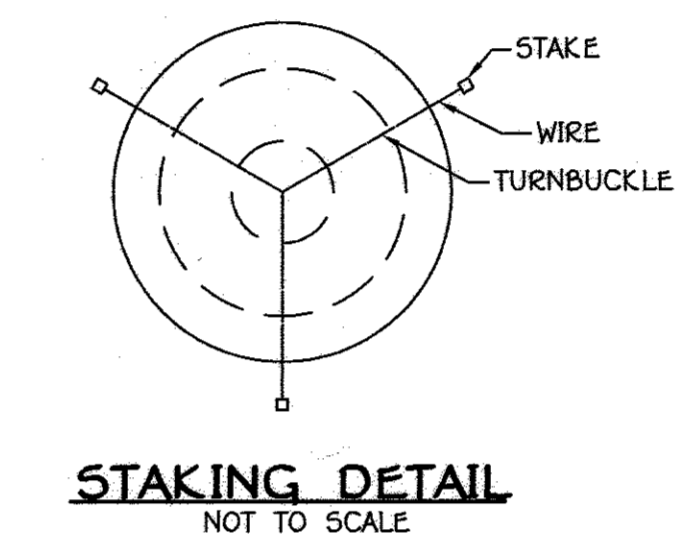
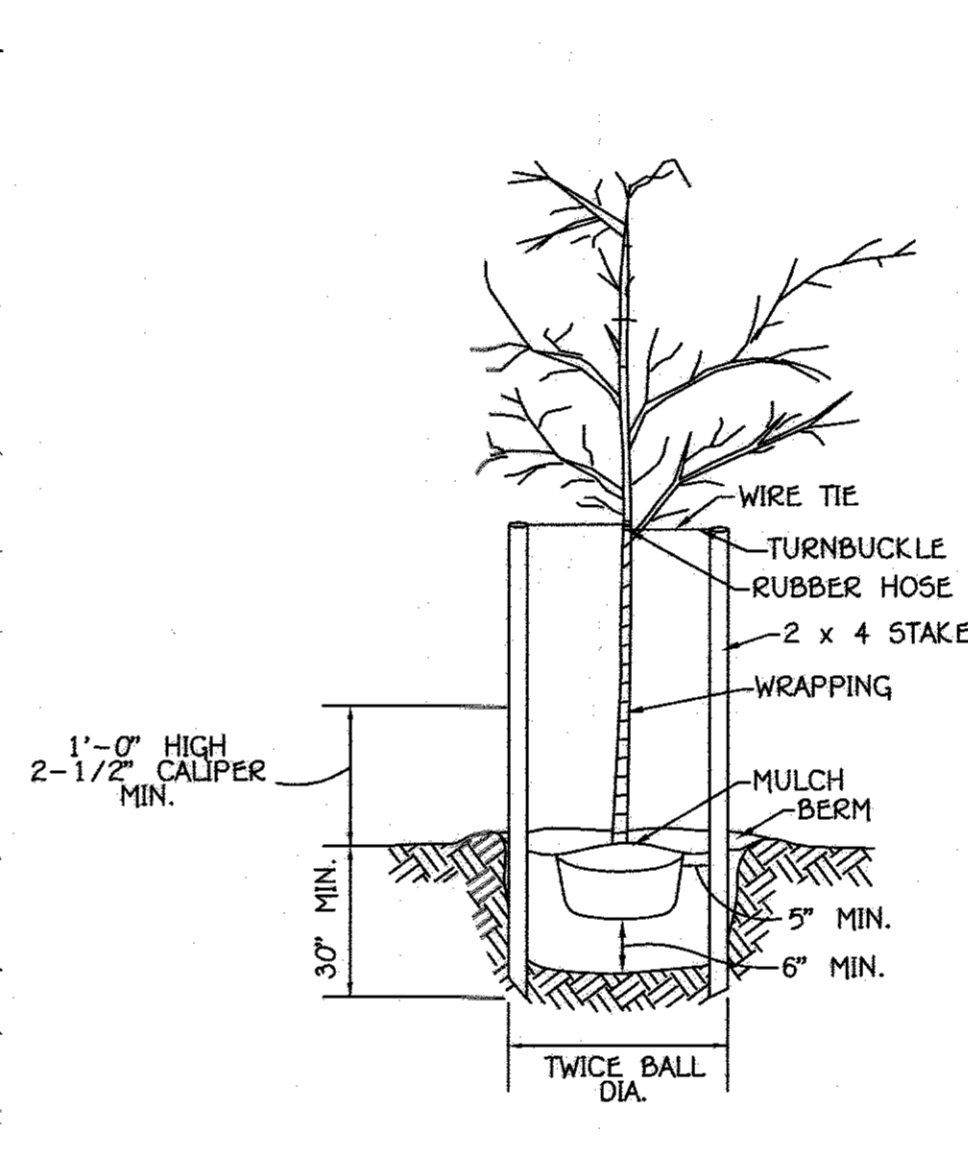
LOT NO.	DISCONNECTION OF ROOFTOP RUNOFF (N-1) Y/N, NUMBER	DISCONNECTION OF NON-ROOFTOP RUNOFF (N-2) Y/N	DRY WELLS (M-5) Y/N, NUMBER	RAIN GARDEN (M-7) Y/N, NUMBER
127				
128	NO	NO	YES, THREE (3)	YES, ONE (1)

**SPECIMEN TREE TABLE**

KEY	SPECIES	SIZE (DBH)	CRZ (FT ROUNDS)	COMMENTS
1	SILVER MAPLE	45.5"	72'	TO REMAIN

**SOILS LEGEND**

SOIL	NAME	CLASS	K FACTOR
GfB	Gladstone - Urban land complex, 0 to 8 percent slopes	A	0.28



**LANDSCAPING PLANT LIST**

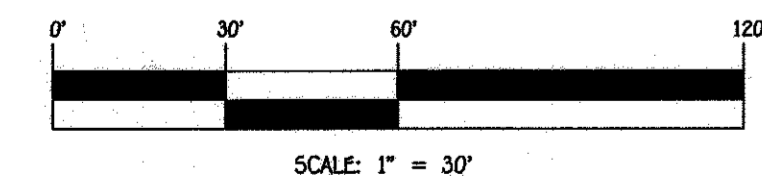
QTY.	KEY	NAME	SIZE
2	(A)	ACER RUBRUM 'OCTOBER GLORY' (OCTOBER RED MAPLE)	2 1/2" - 3" CALIPER FULL CROWN, B&B
2	(B)	PRUNUS SARGENTII (SARGENT CHERRY)	2 1/2" - 3" CALIPER FULL CROWN, B&B
4	(C)	ILEX 'NELLIE R. STEVENS' (NELLIE R. STEVENS HOLLY)	5'-6" HT. B&B
3	(D)	TRILIA STANOSIENSIS X PLICATA (GREEN GUMM ABERTVILLE)	5'-6" HT. B&B

TOTAL: 4 SHADE TREES, 7 EVERGREEN TREES

**SCHEDULE A - PERIMETER LANDSCAPE EDGE**

PERIMETER	P-1 ADJACENT TO PERIMETER PROPERTIES	P-2 ADJACENT TO PERIMETER PROPERTIES	P-3 ADJACENT TO PERIMETER PROPERTIES	TOTAL
LANDSCAPE TYPE	A	B	C	
LINEAR FEET OF PERIMETER	263 L.F.	166 L.F.	121 L.F.	
NUMBER OF PLANTS REQUIRED	4	3/4	2	10
SHADE TREES	(263'/60' = 4.4 OR 4)	(166'/40' = 4.2 OR 4)	(121'/60' = 2.0 OR 2)	
EVERGREEN TREES		(166'/20' = 8.3 OR 8)		
CREDIT FOR EXISTING VEGETATION	4(+)	0	2*	6
SHADE TREES				
EVERGREEN TREES	0 (EQUIV.=3 SHADE TREES)	1*	0	1
NUMBER OF PLANTS PROVIDED	0	4	0	4
SHADE TREES				
EVERGREEN TREES		7	0	7

(\*) NOTE: CREDIT TAKEN FOR SIX (6) EXISTING EVERGREEN TREES FOR AN EQUIVALENT CREDIT AS THREE (3) SHADE TREES AND ONE (1) CHERRY ALONG P-1. TOTAL CREDIT TAKEN FOR FOUR (4) SHADE TREES, ONE (1) PINE ALONG P-2 AND TWO (2) EXISTING MAPLE TREES ALONG P-3. ENHANCED PERIMETER LANDSCAPING HAS BEEN PROVIDED ON LOT 128 TO MITIGATE VIEWS AND TO ADDRESS PRIVACY.



**Owner**  
 DANIEL AND MARY DUGAN  
 10813 HUNTING LANE  
 COLUMBIA, MARYLAND 21044-4207  
 202-359-4259

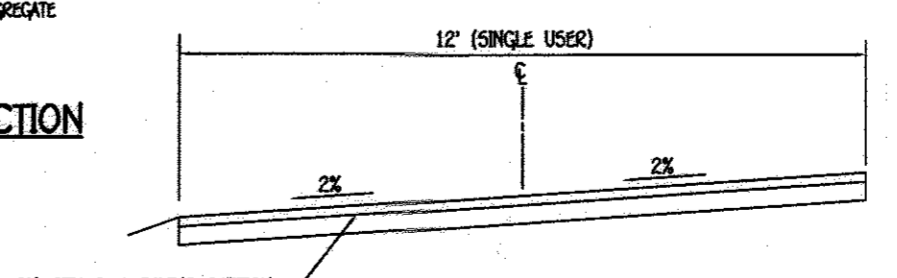
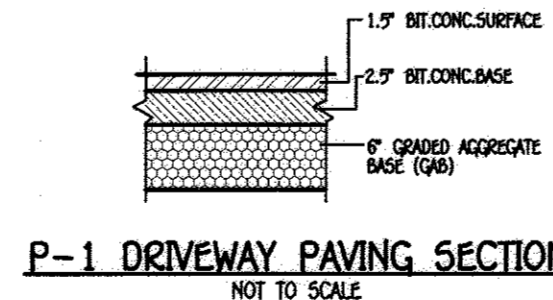
NOTE: THIS PLAN SHEET IS NOT TO BE UTILIZED FOR CONSTRUCTION OR INSTALLATION OF SEDIMENT CONTROLS. THIS PLAN SHEET IS NOT TO BE USED TO OBTAIN A GRADING / BUILDING PERMIT.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
 Chief, Division of Land Development  
 Chief, Development Engineering Division

**DEVELOPER'S / BUILDER'S CERTIFICATE**

I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.024 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.

*D. Dugan* 5-3-17  
 NAME DATE



**PROFESSIONAL CERTIFICATION**

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 38386, EXPIRATION DATE: 01/12/2016.

*Christopher J. Jantz* 5/31/17  
 Signature of Professional Engineer



**SUPPLEMENTAL PLAN  
 LANDSCAPE, FOREST CONSERVATION, TOPOGRAPHY & SOILS**

**HOLIDAY HILLS  
 LOTS 127 AND 128  
 10813 HUNTING LANE**

TAX MAP #41 GRID #5 PARCEL #273  
 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 ZONED: R-20  
 SCALE: AS SHOWN DATE: May 03, 2017  
 SHEET 2 OF 2

F-17-032