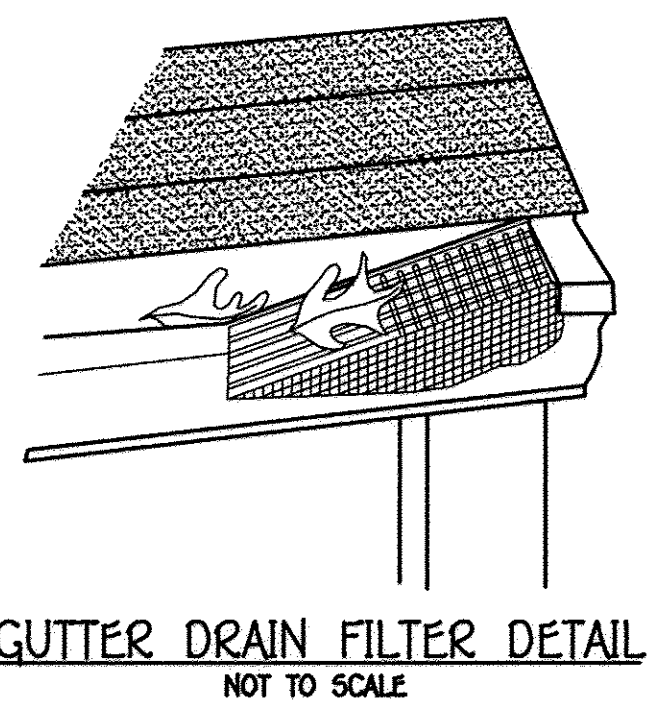
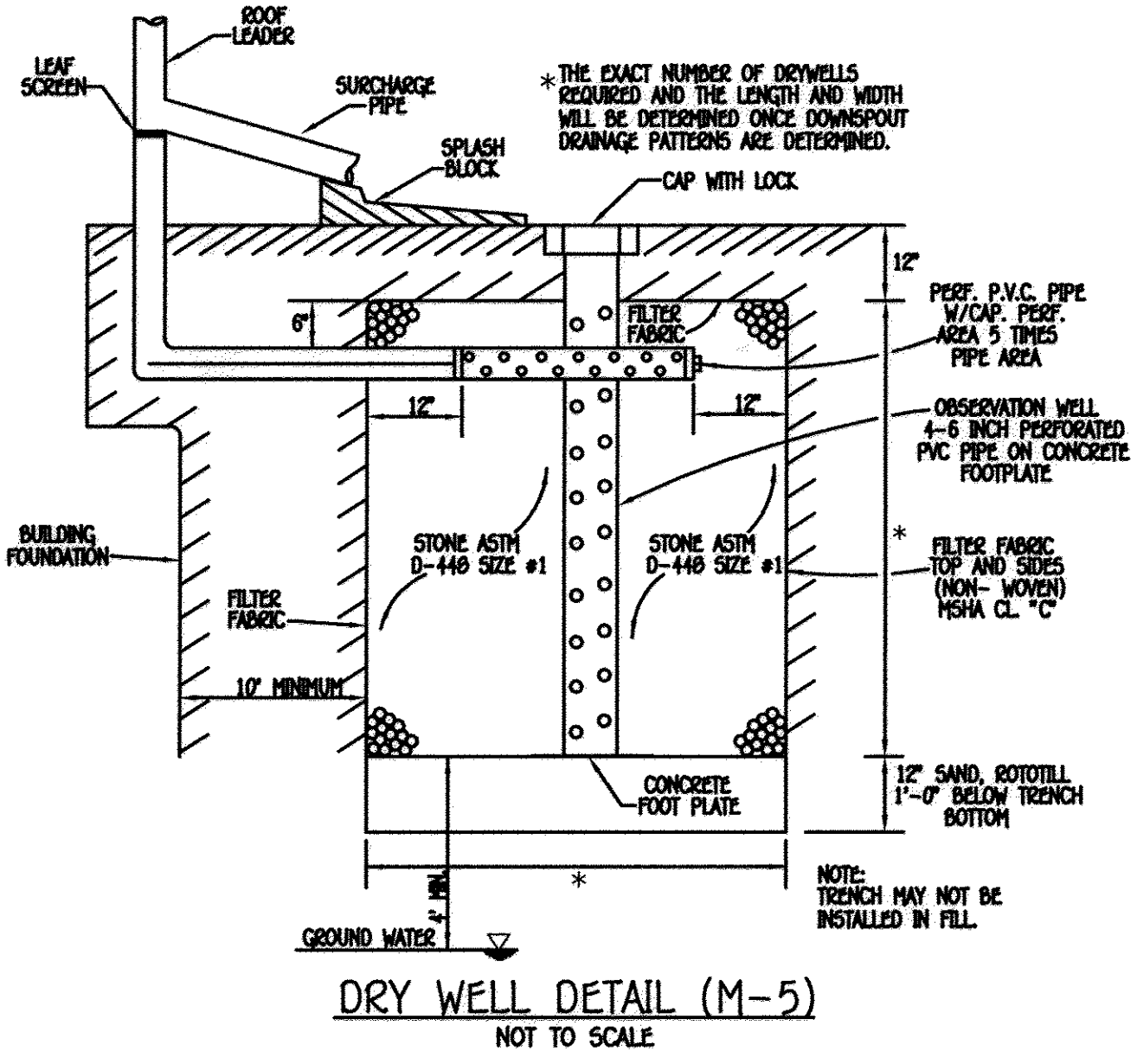


SHEET INDEX	
SHEET NO.	DESCRIPTION
1	SUPPLEMENTAL PLAN
2	SUPPLEMENTAL PLAN

Minimum Lot Size Tabulation			
Lot No.	Gross Area	Pipestem Area	Minimum Lot Size
122	21,635 Sq. Ft.	1,595 Sq. Ft.	20,080 Sq. Ft.
123	21,629 Sq. Ft.	1,628 Sq. Ft.	20,001 Sq. Ft.

STORMWATER MANAGEMENT SUMMARY			
AREA ID.	ESDV REQUIRED CU.FT.	ESDV PROVIDED CU.FT.	REMARKS
SITE	1,298	1,326	DRY WELLS (M-5) & NON-ROOFTOP DISCONNECTION (N-2)
TOTAL	1,298	1,326	

GROSS AREA = 0.99 ACRES  
 LOD = 0.91 ACRES  
 RCN = 38  
 TARGET Pe = 1.4"



**STORMWATER MANAGEMENT NOTES**

- STORMWATER MANAGEMENT IS PROVIDED IN ACCORDANCE WITH CHAPTER 5, "ENVIRONMENTAL SITE DESIGN" OF THE 2007 MARYLAND STORMWATER 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 500%. THE SIZE AND CONSTRUCTION OF THE DRYWELL SHALL BE IN ACCORDANCE WITH THE DETAIL SHOWN ON THIS SHEET.
- FINAL GRADING WILL BE SHOWN ON THE SITE DEVELOPMENT PLAN.

**OPERATION & MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED, DISCONNECTION OF NON-ROOFTOP RUNOFF (N-2)**

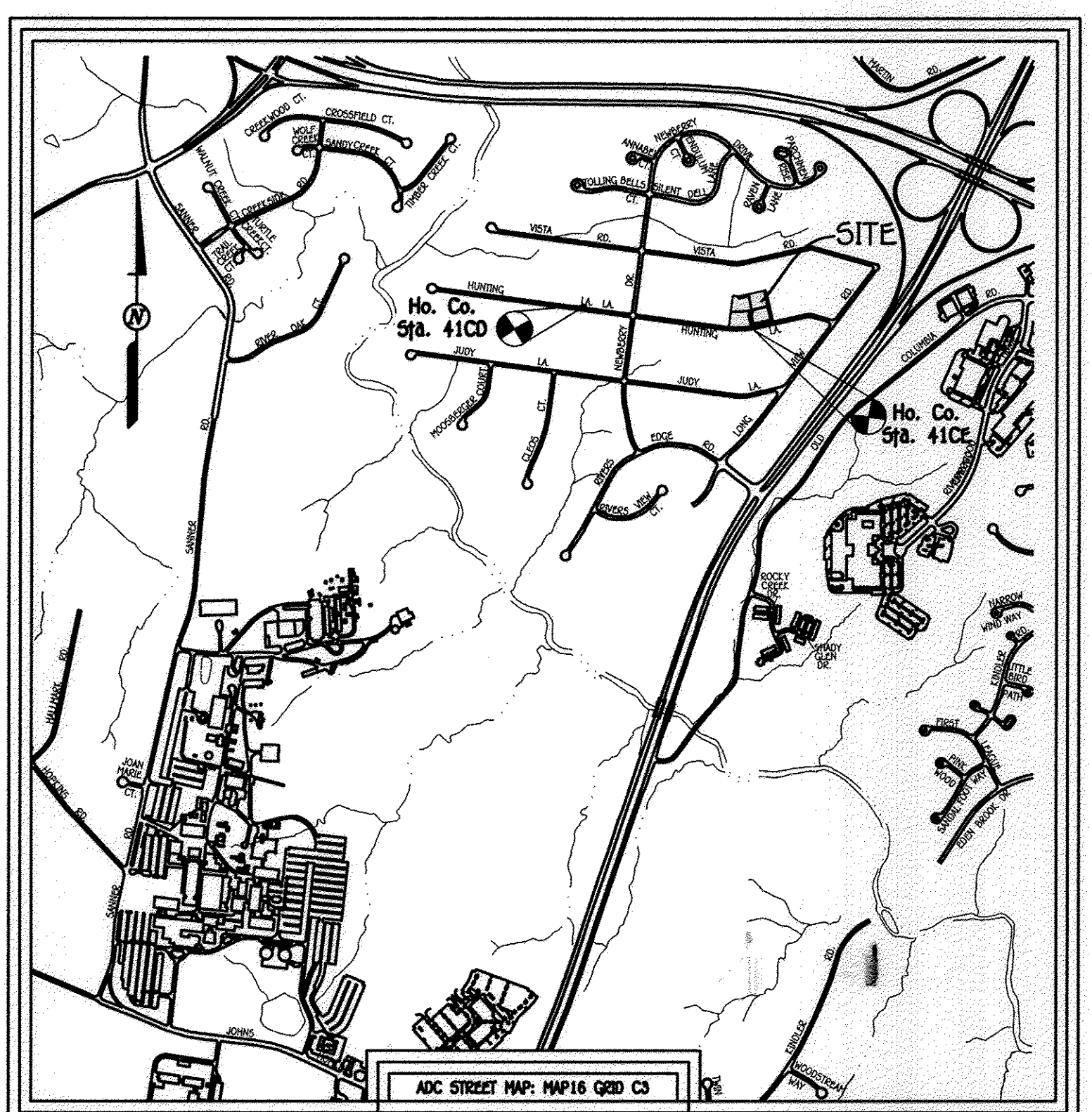
- MAINTENANCE OF AREAS RECEIVING DISCONNECTION RUNOFF IS GENERALLY NO DIFFERENT THAN THAT REQUIRED FOR OTHER LAWN OR LANDSCAPED AREAS. THE AREAS RECEIVING RUNOFF SHOULD BE PROTECTED FROM FUTURE COMPACTON OR DEVELOPMENT OF IMPERVIOUS AREA. IN COMMERCIAL AREAS FOOT TRAFFIC SHOULD BE DISCOURAGED AS WELL.

**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 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.

# SUPPLEMENTAL PLAN HOLIDAY HILLS LOTS 121 thru 124

TAX MAP No. 41 GRID No. 6 PARCEL NO. 174  
 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND



**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 550,548.8950  
 E 1,344,388.3850  
 ELEVATION = 347.74 - VERTICAL - (NAVD '88)

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 '88)

**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 550,548.8950 E 1,344,388.3850 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 April, 2015 By Fisher, Collins And Carter, Inc.
- Denotes Iron Pin Set Capped "F.C.C. 106".
- Denotes Iron Pipe Or Iron Bar Found.
- Denotes Angular Change In Bearing Of Boundary Or Right-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 (±).
- 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 Per The Following (Minimum) Requirements:  
 a) Width - 12 Feet (16 Feet Serving More Than One Residence);  
 b) Surface - Six (6) Inches Of Compacted Crushed 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 (H25-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;  
 g) Maintenance - Sufficient To Ensure All Weather Use.
- Property Subject To Prior Department Of Planning And Zoning File No's: ECP-17-017.
- No Cemeteries Exist On The Subject Property Based On Visual Observation Or Listed In Available Howard County Cemetery Inventory Maps.
- There Is An Existing Structure/Dwelling On Lots 121 And 124 To Remain. There Is An Existing Concrete Slab On Lot 121 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 Existing On-Site. See Environmental Findings Letters Prepared By Eco-Science Professionals, Inc. Dated August 18, 2015 And August 31, 2016.
- Site Is Not Adjacent To A Scenic Road.
- No 100 Year Floodplain, Wetlands, Streams And/Or Their Buffers, Nor Steep Slopes Exist On-Site.
- This Project Complies With The Requirements Of Section 16.1200 Of The Howard County Code And Forest Conservation Act To Fulfill The 0.30 Acres (13,068 Sq.Ft.) Of Afforestation Requirement For The Subdivision. The Developer Has Paid A Fee-In-Lieu In The Amount Of \$9,801.
- 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 1 & 2, Revised 2009. Non-Structural Practices In Accordance With Chapter 5 Are Being Utilized. Drywells (M-5) And Non-Rooftop Disconnection (N-2) Are Proposed.
- This Plan Is Subject To The Amended Fifth Edition Of The Subdivision And Land Development Regulations. Development Or Construction On These Lots Must Comply With Setback And Buffer Regulations In Effect At The Time Of Submission Of The Site Development Plan. Where Particular Application Or Building/Grading Permits.
- Landscape For Lots 122 & 123 Is Provided In Accordance With Section 16.124 Of The Howard County Code And The Landscape Manual. A Landscape Surety In The Amount Of \$2,100 For Lot 122 Based On (4) Shade Trees @ \$300/shade Tree And (5) Evergreen Trees @ \$150/evergreen Tree And In The Amount Of \$2,950 For Lot 123 Based On (4) Shade Trees @ \$300/shade Tree And (9) Evergreen Trees @ \$150/evergreen Tree Will Be Completed With The SDP And Bonded With The Building/Grading Permit.
- Site Development Plan Approval By The Department Of Planning And Zoning Is Required Prior To Building Permits Being Issued For The Construction Of Residential Dwellings On These Lots.
- This Development Is Designed To Be In Accordance With Section 16.127 - Residential Infill Development Of The Subdivision And Land Development Regulations. The Developer Of This Project Shall Create Compatibility With The Existing Neighborhood Through The Use Of Enhanced Perimeter Landscaping, Berms, Fences, Similar Housing Unit Types And The Directional Orientation Of The Proposed House. The Enhanced Landscape Buffer Has Been Provided On Lot 118 To Mitigate Views And To Address Privacy And Compatibility Concerns Expressed By The Adjacent Lot Owners At The Pre-Submission Community Meeting.
- There Are No Wetlands On This Site, As Stated In A Letters Of Findings Dated August 18, 2015 And August 31, 2016 Prepared By Eco-Science Professionals, Inc.
- There Are No Disturbances To Environmental Features As There Are No Environmental Features Located On This Property. Open Space Requirements Are Provided By A Fee-In-Lieu Payment Of \$3,000.00.
- A Community Meeting Was Conducted August 25, 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 November, 2016 Was Prepared By Mrs. Group.
- This Properties Is Located Within The Metropolitan District And Will Be Served By Public Water And Sewer.
- Subdivision Is Subject To Section 104.D.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 Comments Will Be Recorded Simultaneously With The Final Record 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 = 12 Units x 100% = 0.2 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 Completed And Recorded Simultaneously With The Plat.
- Existing Well And Private Septic System To Be Properly Abandoned Prior To Recordation Of The Plat.  
 Topography Shown Herein Is Based On A Topographic Survey Performed By Fisher, Collins & Carter, Inc. In August 2015 & September 2016 And Supplemented With Howard County GIS Topography At 5' Contour Interval Interpolated For 2' Contour Interval.
- This Plat Is Subject To Alternative Compliance Petition WP-17-068 Which On February 28, 2017 The Planning Director Approved A Request To Waive Section 16.130(a)(2)(i) Local Or Minor Collector Roads, Section 16.134(i) Sidewalks Required, Section 16.135 Street Lighting, Section 16.136 Street Trees And Section 16.127(c)(4)(i) Limit On Adjoining Driveway Entrances. Subject To The Following Conditions:  
 1. Approval Is Subject To The Payment Of A Fee-In-Lieu In The Amount Of \$34,820.50 Of Construction Of Sidewalks, Curb And Gutter And Street Lights Per The Attached Development Engineering Division Comments Dated February 15, 2017. Submit A Detailed Cost Estimate For Review That Includes All Costs Necessary To Construct The Improvements Including Mobilization, Maintenance Of Traffic, Sediment Control, Etc. The Fee-In-Lieu Must Be Paid Prior To Recordation Of F-17-063.  
 2. The Existing Lawn Trees Within The Front Yards Of New Lots 121 And 124 Shall Be Retained As Substitutes For New Street Trees Along The Property Frontage.  
 3. A Note Shall Be Placed On F-17-063 And All Subsequent Plans Referencing This Waiver Petition And The Payment Of A Fee-In-Lieu Of Construction Of Sidewalks, Curb And Gutter And Street Lighting.

**SITE ANALYSIS DATA CHART**

- TOTAL AREA OF THIS SUBMISSION = 2.005 AC. (0.99 AC., NEW LOTS FOR WHICH SWM IS BASED)
- LIMIT OF DISTURBED AREA = 39,480 SQ.FT. OR 0.91 AC.
- PRESENT ZONING DESIGNATION = R-20 (PER 10/06/2013 COMPREHENSIVE ZONING PLAN)
- PROPOSED USE: RESIDENTIAL
- PREVIOUS HOWARD COUNTY FILES: ECP-17-017.
- TOTAL AREA OF FLOODPLAIN LOCATED ON-SITE = 0.00 AC.
- TOTAL AREA OF SLOPES IN EXCESS OF 15% = 0.00 AC.
- TOTAL AREA OF WETLANDS (INCLUDING BUFFER) = 0.00 AC.
- TOTAL AREA OF STREAM (INCLUDING BUFFER) = 0.00 AC.
- TOTAL AREA OF EXISTING FOREST = 0.00 AC.
- TOTAL AREA OF FOREST TO BE RETAINED = 0.00 AC.
- TOTAL AREA OF LOTS / BUILDABLE PARCELS = 2.00 AC. (0.99 AC., NEW LOTS FOR WHICH SWM IS BASED)
- TOTAL GREEN OPEN AREA = 0.76 AC. (NEW LOTS ONLY)
- TOTAL IMPERVIOUS AREA = 0.23 AC. (NEW LOTS ONLY)
- TOTAL AREA OF ERODIBLE SOILS = 0.00 AC.
- TOTAL AREA OF ROAD DEDICATION = 0.00 AC.

Table B.4. Materials Specifications for Micro-Bioretenation, Rain Gardens & Landscape Infiltration

Material	Specification	Size	Notes
Plantings	see Appendix A, Table A.4	n/a	plantings are site-specific
Planting soil (2" to 4" deep)	loamy sand 60-65% compost 35-40% or sandy loam 30% coarse sand 30% compost 40%		USDA soil types loamy sand or sandy loam; clay content <5%
Organic Content	Min. 10% by dry weight shredded lawnseed		
Mulch			aged 6 months, minimum
Pea gravel diaphragm	pea gravel: ASTM-D-440	No. 8 or No. 9 (1/8" to 3/8")	
Curbin drain	ornamental stone: washed cobble	stone: 2" to 5"	
Geotextile		n/a	PE Type 1 nonwoven
Gravel (underdrain and infiltration berms)	ASHTO M-43	No. 57 or No. Aggregate (3/8" to 3/4")	
Underdrain piping	F 758, Type PS 20 or ASHTO H-270	4" to 6" rigid schedule 40 PVC or 50635	Slotted or perforated pipe; 3/8" per. @ 6" on center, 4 holes per row; minimum of 3" of gravel over pipes; not necessary underneath pipes. Perforated pipe shall be wrapped with 1/4 inch galvanized hardware cloth
Poured in place concrete (if required)	MSEA Mix No. 3; f = 3500 psi at 28 days, normal weight, air-entrained; reinforcing to meet ASTM-615-02	n/a	on-site testing of poured-in-place concrete required; 28 day strength and slump test; all concrete design (cast-in-place or pre-cast) not using previously approved type or local standards requires design drawings sealed and approved by a professional structural engineer licensed in the State of Maryland - design to include meeting ACI Code 308.2.6; vertical loading 18-10 or H-202; allowable horizontal loading (based on soil pressure); and analysis of potential cracking
Sand	ASHTO M-6 or ASTM-C-33	0.00" to 0.04"	Sand substitutions such as diatomite and Opresona (ASHTO #10) are not acceptable. No calcium carbonate or dolomite sand substitutions are acceptable. No "rock dust" can be used for sand.

**OWNERS**  
 JARED AND HOLLY SCOTT  
 10618 HUNTING LANE  
 COLUMBIA, MARYLAND 21044-4207  
 C/O JOHN MINUTOLI 410-409-0333

FRANKLIN AND ELIZABETH DAVIS  
 14611 BLACKBURN RD  
 BURTONSVILLE, MARYLAND 20866  
 C/O JOHN MINUTOLI 410-409-0333

**DEVELOPER**  
 MG RENOVATIONS, LLC  
 ATTN: JOHN MINUTOLI  
 6139 WHITE MARBLE COURT  
 CLARKSVILLE, MARYLAND 21029  
 410-409-0333

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

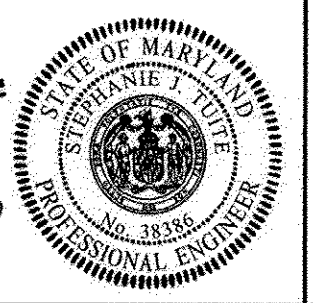
*Kristle L...*  
 Chief, Division of Land Development  
 3-10-17  
 Date

*Phil...*  
 Chief, Development Engineering Division  
 3-8-17  
 Date

**PROFESSIONAL CERTIFICATION**

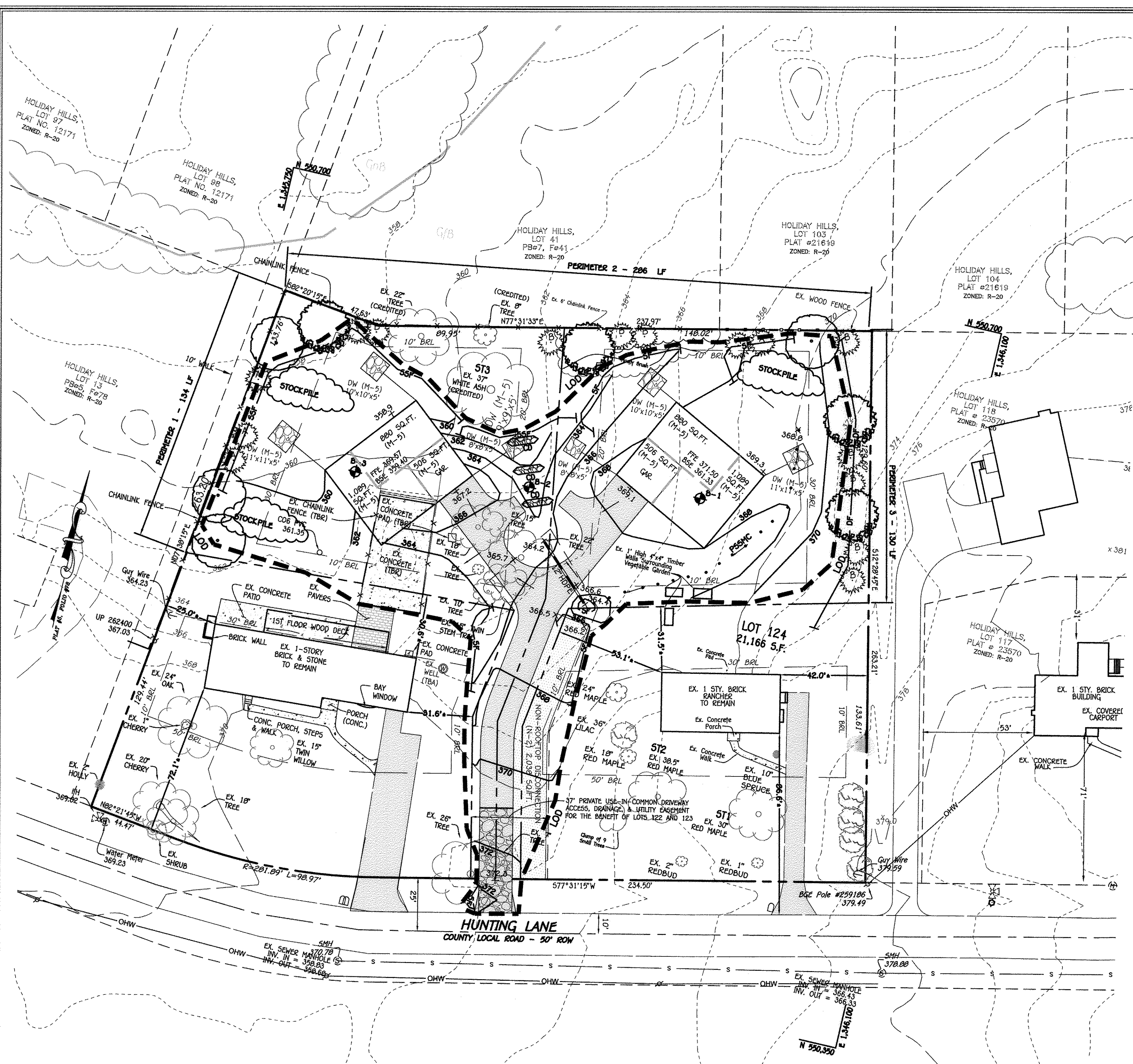
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 36868, EXPIRATION DATE: 01/12/2018.

*Andrew...*  
 Signature Of Professional Engineer  
 3/2/17  
 DATE



SUPPLEMENTAL PLAN  
 LANDSCAPE, FOREST CONSERVATION, TOPOGRAPHY & SOILS  
 HOLIDAY HILLS,  
 LOTS 121 thru 124  
 ZONED: R-20  
 TAX MAP #41 GRID# 6 PARCEL #174  
 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 SCALE: 1"=30' DATE: FEBRUARY, 2017  
 SHEET 1 OF 2





**FOREST CONSERVATION WORKSHEET  
VERSION 1.0**

**BASIC SITE DATA:**

A. TOTAL TRACT AREA	2.00	Ac
B. AREA WITHIN 100 YEAR FLOODPLAIN	0	
C. AREA TO REMAIN IN AGRICULTURAL PRODUCTION	0	
D. NET TRACT AREA	2.00	Ac

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

**INFORMATION FOR CALCULATIONS:**

E. AFFORESTATION THRESHOLD	0.15% x D	0.30
F. FOREST CONSERVATION THRESHOLD	0.20% x D	0.40

**EXISTING FOREST COVER:**

G. EXISTING FOREST COVER (EXCLUDING FLOODPLAIN)	0
H. AREA OF FOREST ABOVE AFFORESTATION THRESHOLD	0
I. AREA OF FOREST ABOVE CONSERVATION THRESHOLD	0

**BREAK EVEN POINT:**

J. FOREST RETENTION ABOVE THRESHOLD WITH NO MITIGATION	0
K. CLEARING PERMITTED WITHOUT MITIGATION	0

**PROPOSED FOREST CLEARING:**

L. TOTAL AREA OF FOREST TO BE CLEARED	0
M. TOTAL AREA OF FOREST TO BE RETAINED	0

**PLANTING REQUIREMENTS:**

N. REFORESTATION FOR CLEARING ABOVE CONSERVATION THRESHOLD	0
O. REFORESTATION FOR CLEARING BELOW CONSERVATION THRESHOLD	0
P. CREDIT FOR RETENTION ABOVE CONSERVATION THRESHOLD	0
Q. CREDIT FOR RETENTION ABOVE CONSERVATION THRESHOLD	0
R. TOTAL REFORESTATION REQUIRED	0
S. TOTAL AFFORESTATION REQUIRED	0.30
T. TOTAL REFORESTATION AND AFFORESTATION REQUIRED	0.30

**LEGEND**

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
---492---	EXISTING 2' CONTOURS	---	PROPOSED CONTOUR
---490---	EXISTING 10' CONTOURS	+	SPOT ELEVATION
G/B	SOILS LINES AND TYPE	---	LIMITS OF DISTURBANCE
G/B	EXISTING TREELINE	---	DRAINAGE AREA DIVIDE
○	INDIVIDUAL TREES & SHRUBS	---	PROPOSED TREELINE
---	EXISTING FENCE LINE	---	SILT FENCE
---	EXISTING & PROPOSED PAVING	---	SUPER SILT FENCE
TBR	TO BE REMOVED	---	DIVERSION FENCE
TBA	TO BE ABANDONED	P55MC	PERMANENT SOIL STABILIZATION MATTING
ST1	SPECIMEN TREE	---	STABILIZED CONSTRUCTION ENTRANCE

- NOTES:**
- THE OWNER, TENANT AND/OR THEIR AGENTS SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE REQUIRED LANDSCAPING, PLANT MATERIALS, BERRS, 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 REQUIRED LANDSCAPING SHALL BE PERMANENTLY MAINTAINED IN GOOD CONDITION, AND WHEN NECESSARY, REPAIRED OR REPLACED.
  - SHOULD ANY TREE DESIGNATED FOR PRESERVATION, FOR WHICH LANDSCAPING 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.

**STORMWATER MANAGEMENT PRACTICES**

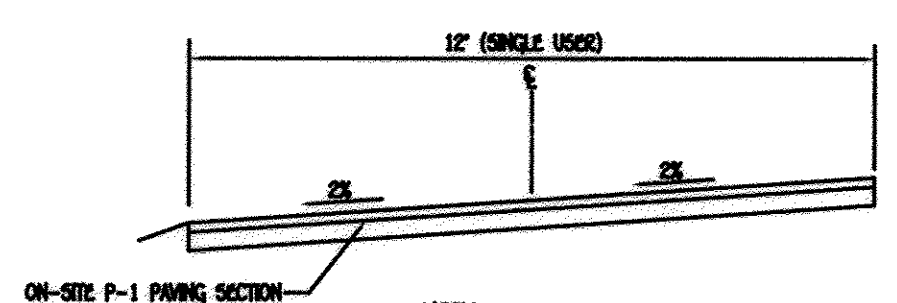
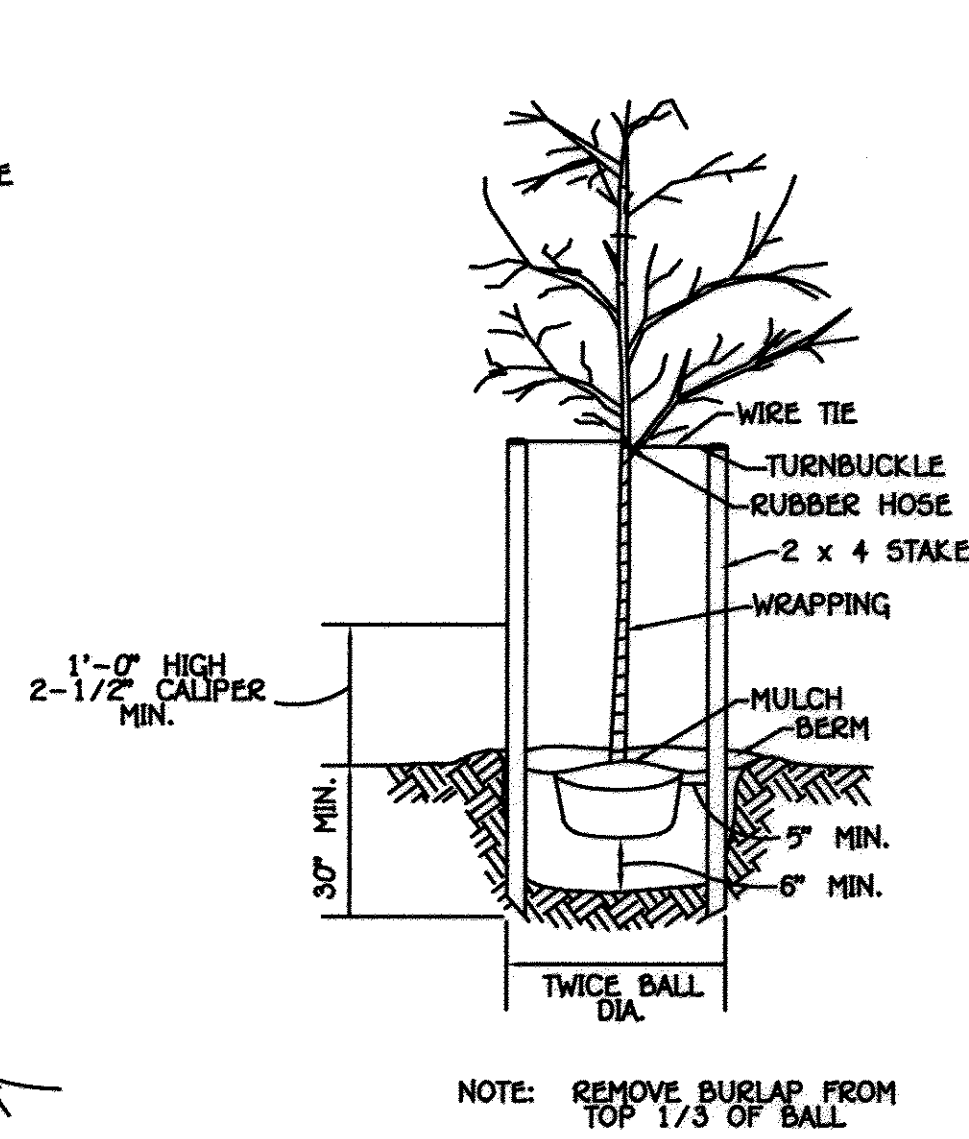
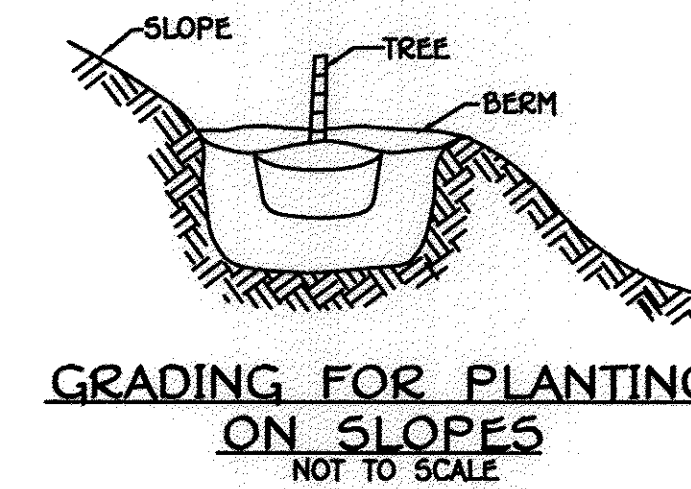
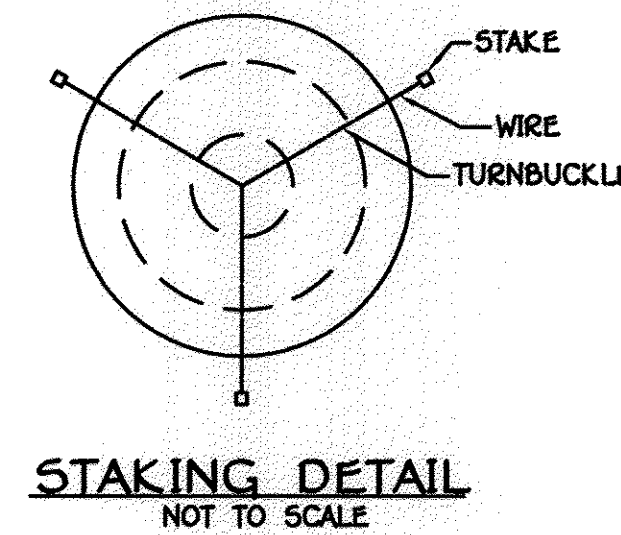
LOT NO.	DISCONNECTION OF ROOFTOP RUNOFF (N-1) Y/N, NUMBER	DISCONNECTION OF NON-ROOFTOP RUNOFF (N-2) Y/N	DRY WELLS (N-5) Y/N, NUMBER
122	NO	YES	YES, THREE (3)
123	NO	YES	YES, THREE (3)

**SOILS LEGEND**

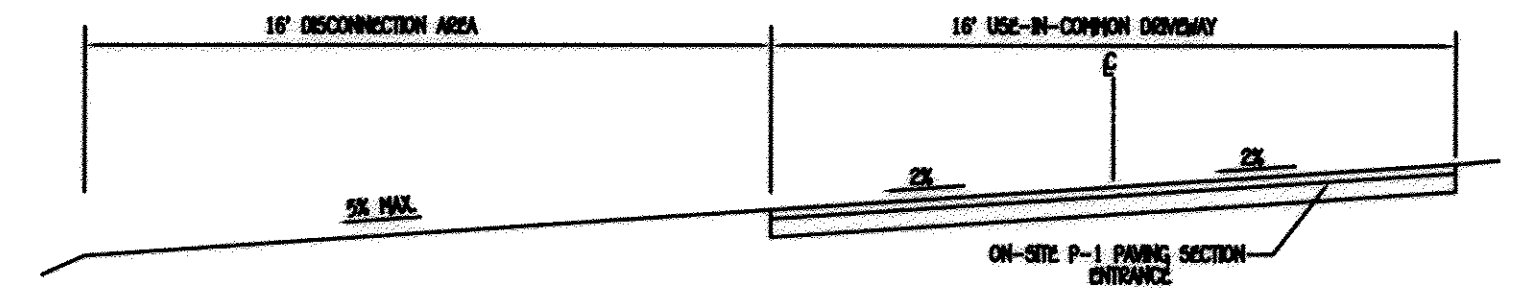
SOIL	NAME	CLASS	K FACTOR
G/B	Gladstone - Urban land complex, 0 to 8 percent slopes	A	0.28
G/B	Glenville-Belle silt loam, 0 to 8 percent slopes	C	0.43

**SPECIMEN TREE TABLE**

KEY	SPECIES	SIZE (DBH)	CRZ (FT RADIUS)	COMMENTS
1	RED MAPLE	30"	45	TO REMAIN
2	RED MAPLE	38.5"	57.75	TO REMAIN
3	WHITE ASH	37"	55.5	TO REMAIN



**TYPICAL PRIVATE DRIVE CROSS SLOPE SECTION**  
NOT TO SCALE



- NOTE:**
- ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH HOWARD COUNTY DESIGN MANUAL VOLUME IV, STANDARD SPECIFICATION AND DETAILS FOR CONSTRUCTION.
  - SWALES ARE FOR CONVEYANCE OF RUNOFF AND NOT UTILIZED FOR TREATMENT CREDIT.

**16' USE-IN-COMMON DRIVEWAY CROSS SLOPE SECTION**  
NOT TO SCALE

**LANDSCAPING PLANT LIST**

QTY.	KEY	NAME	SIZE
4	○	ACER RUBRUM 'OCTOBER GLORY' (OCTOBER RED MAPLE)	2 1/2" - 3" CALIPER FULL CROWN, B&B
4	○	PRUNUS SARGENTII (SARGENT CHERRY)	2 1/2" - 3" CALIPER FULL CROWN, B&B
5	○	ILEX 'NELLIE R. STEVENS' (NELLIE R. STEVENS HOLLY)	5'-6" HT. B&B
10	○	THUJA STANDISHI X PULICATA (GREEN GIANT ARBOVITAE)	5'-6" HT. B&B

TOTAL: 8 SHADE TREES, 15 EVERGREEN TREES

**SCHEDULE A - PERIMETER LANDSCAPE EDGE**

PERIMETER	P-1	P-2	P-3	TOTAL
CATEGORY	ADJACENT TO PERIMETER PROPERTIES	ADJACENT TO PERIMETER PROPERTIES	ADJACENT TO PERIMETER PROPERTIES	
LANDSCAPE TYPE	B	B	B	
LINEAR FEET OF PERIMETER	134 L.F.	286 L.F.	130 L.F.	
NUMBER OF PLANTS REQUIRED	3/3	6/7	3/3	
SHADE TREES	(134'/50' = 2.7 OR 3)	(286'/50' = 5.7 OR 6)	(130'/50' = 2.6 OR 3)	12
EVERGREEN TREES	(134'/40' = 3.4 OR 3)	(286'/40' = 7.2 OR 7)	(130'/40' = 3.3 OR 3)	13
CREDIT FOR EXISTING VEGETATION	0	3*	0	3
SHADE TREES	0	0	0	0
SMALL/MEDIUM DECIDUOUS TREES (2:1 SUBSTITUTION)	0	0	0	0
NUMBER OF PLANTS PROVIDED	3	3	2	8
SHADE TREES	3	7	5	15

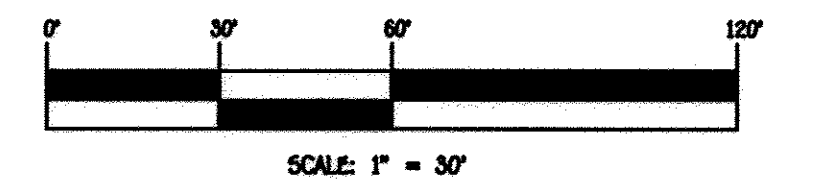
\* NOTE: CREDIT TAKEN FOR 1 EXISTING 37" WHITE ASH TREE, AN EXISTING 22" TREE, AND AN EXISTING 22" TREE ALONG P-2. ENHANCED PERIMETER LANDSCAPING HAS BEEN PROVIDED ON LOTS 122 & 123 TO MITIGATE POTENTIAL VIEWS AND TO ADDRESS PRIVACY AND COMPATIBILITY CONCERNS.

- NOTE:**
- CHECK DAM SPACING = 1.0 FT / 0.07 FT/FT = 14.3 FT MIN.
  - CHECK DAMS SPACED 14-15 FT APART WITH WEIR HEIGHT OF 1.0 FT. WEIR 4 FT WIDE.

**OWNERS**  
JARED AND HOLLY SCOTT  
10618 HUNTING LANE  
COLUMBIA, MARYLAND 21044-4207  
C/O JOHN MINUTOLI 410-409-0333

**DEVELOPER**  
MG RENOVATIONS, LLC  
ATTN: JOHN MINUTOLI  
6139 WHITE MARBLE COURT  
CLARKSVILLE, MARYLAND 21029  
410-409-0333

**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.



**DEVELOPER'S / BUILDER'S CERTIFICATE**  
I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE HOWARD COUNTY LANDSCAPE MANUAL. I/WE FURTHER CERTIFY THAT UPON COMPLETION, A LETTER OF LANDSCAPE INSTALLATION ACCOMPANIED BY AN EXISTING ONE YEAR QUANTITIES OF PLANT MATERIALS WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.

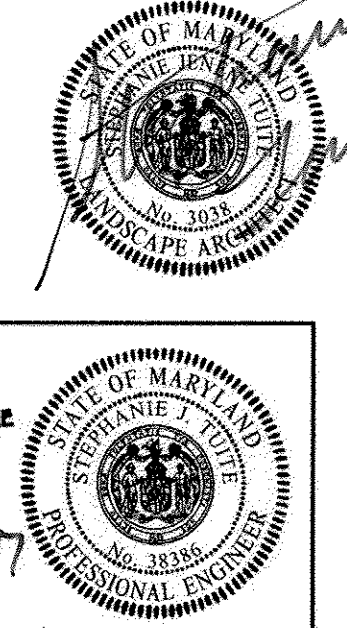
DATE: 3/21/17

**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. 36866, EXPIRATION DATE: 01/12/2018.

DATE: 3/21/17

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Chief, Division of Land Development: 3-10-17  
Chief, Development Engineering Division: 3-8-17



**SUPPLEMENTAL PLAN  
LANDSCAPE, FOREST CONSERVATION, TOPOGRAPHY & SOILS  
HOLIDAY HILLS,  
LOTS 121 thru 124**  
ZONED: R-20  
TAX MAP #41 GRID# 6 PARCEL #174  
FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
SCALE: 1"=30' DATE: FEBRUARY, 2017  
SHEET 2 OF 2