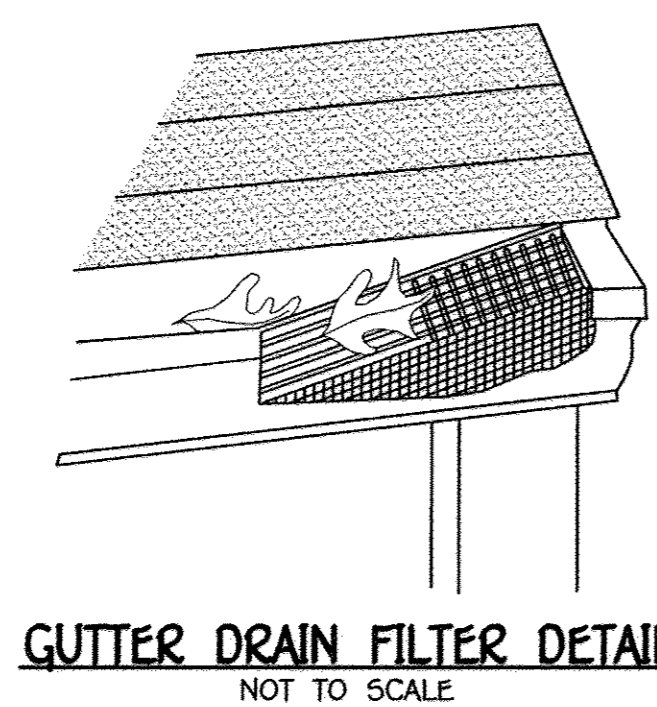
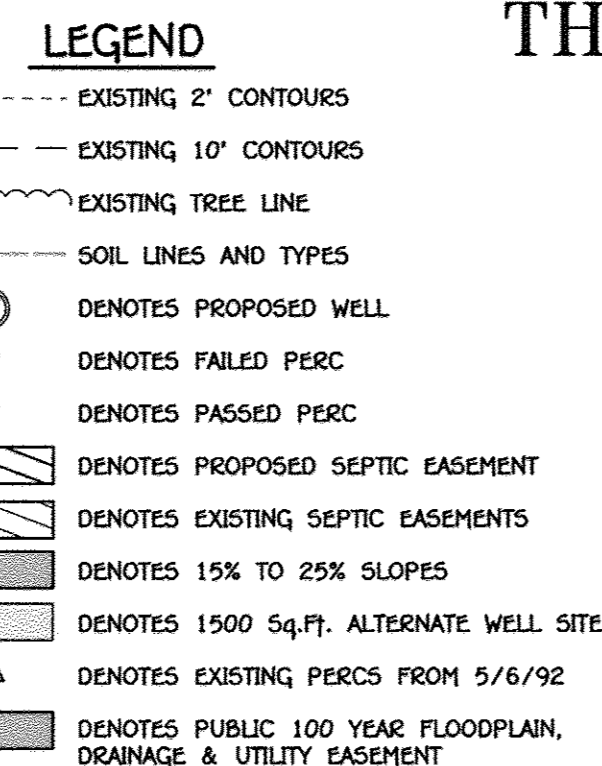
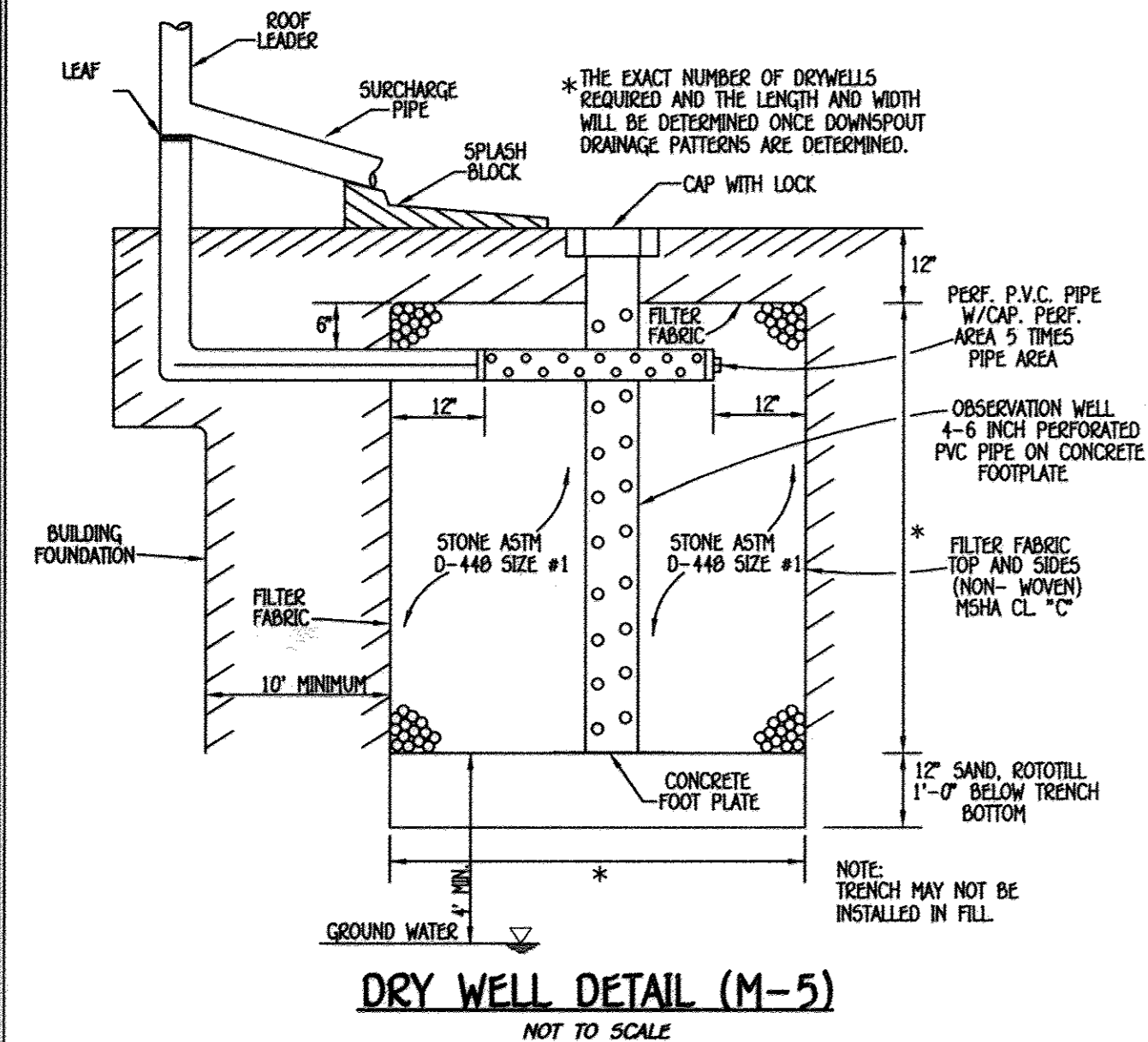


SHEET INDEX	
SHEET NO.	DESCRIPTION
1	SUPPLEMENTAL PLAN - TITLE SHEET
2	SUPPLEMENTAL PLAN - TOPOGRAPHY, SOILS, STORMWATER MANAGEMENT, & LANDSCAPING
3	SEDIMENT & EROSION CONTROL NOTES & DETAILS

SOILS LEGEND			
SOIL	NAME	CLASS	Kw FACTOR
GgB	Glenelig loam, 3 to 8 percent slopes	B	0.28
GmB	Glenville silt loam, 3 to 8 percent slopes	C	0.43
MmB	Mānor loam, 3 to 8 percent slopes	B	0.28
MmC	Mānor loam, 8 to 15 percent slopes	B	0.28

STORMWATER MANAGEMENT PRACTICES		
ADDRESS	DRYWELLS (M-5) (NUMBER)	NON-ROOFTOP DISCONNECTION (N-2) (NUMBER)
3050 LANCELOT CROSS	4	1
3060 LANCELOT CROSS	4	1



STORMWATER MANAGEMENT NOTES

- STORMWATER MANAGEMENT IS PROVIDED 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' IN SIZE AND CONSTRUCTION OF THE DRYWELL SHALL BE IN ACCORDANCE WITH THE DETAIL SHOWN ON THIS SHEET.
- FINAL GRADING IS TO BE SHOWN ON A GRADING PLAN.

DRY WELL CHART						
DRYWELL NO.	AREA OF ROOF PER DOWN SPOUT	VOLUME REQUIRED	VOLUME PROVIDED	AREA OF TREATMENT	L	W
LOT 2 (FRONT RT)	500 SQ. FT.	40 C.F.	120 C.F.	100%*	8'	8' x 5'
LOT 2 (FRONT LT)	1,000 SQ. FT.	95 C.F.	162 C.F.	100%*	9'	9' x 5'
LOT 2 (REAR RT)	500 SQ. FT.	40 C.F.	120 C.F.	100%*	8'	8' x 5'
LOT 2 (REAR LT)	1,000 SQ. FT.	95 C.F.	162 C.F.	100%*	9'	9' x 5'

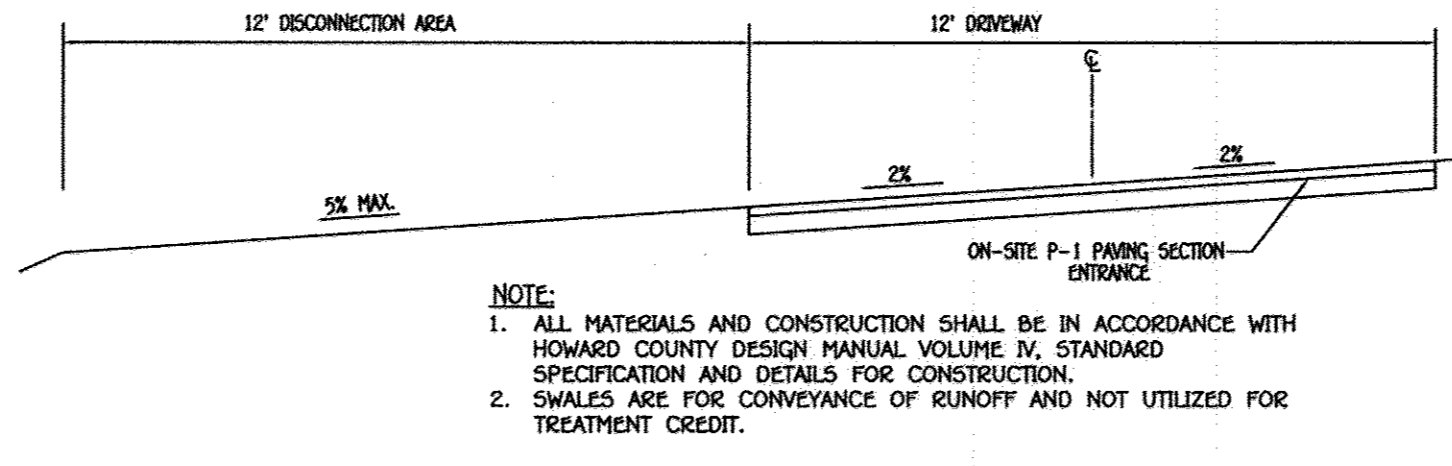
* AREA OF TREATMENT EXCEEDS THAT REQUIRED.

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

Material	Specification	Size	Notes
Plantings	see Appendix A, Table A.4	n/a	plantings are site-specific
Planting soil	loamy sand 60-65% compost 30-40% or sandy loam 30% coarse sand 30% compost 40%	n/a	USDA soil types loamy sand or sandy loam; clay content <5%
Organic Content	Min. 10% by dry weight (ASTM D 2974)	n/a	
Mulch	shredded hardwood	n/a	aged 6 months, minimum
Pea gravel dispersal	pea gravel: ASTM-D-446	No. 8 or No. 9 (1/8" to 3/8")	
Curtain drain	ornamental stone: washed cobble	stone: 2" to 5"	
Geotextile		n/a	PE Type 1 nonwoven
Gravel (underdrains and infiltration berms)	ASHTO M-43	No. 57 or No. Aggregate (3/8" to 3/4")	
Underdrain piping	F 756, Type F5 28 or ASHTO M-276	4" to 6" rigid schedule 40 PVC or 60025	slotted or perforated pipe: 3/8" perft. @ 6" on center, 4 holes per row; minimum of 2" of gravel over pipes; not necessary underdrain pipes. Perforated pipe shall be wrapped with 1/4" inch galvanized hardware cloth
Poured in place concrete (if required)	MSHA Mix No. 3; f = 3500 psi at 28 days, normal weight, air-entrained, reinforcing to meet ASTM-C15-02	n/a	on-site testing of poured-in-place concrete required: 28 day strength and slump test; all concrete design (load-in-place or pre-cast) not using previously approved State 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 308.8/09; vertical loading (H-10 or H-20); allowable horizontal loading (based on soil pressure); and analysis of potential cracking
Sand	ASHTO M-6 or ASTM-C-33	0.075" to 0.075"	Sand substitutions such as diabase and Graystone (ASHTO) #10 are not acceptable. No calcium carbonated or dolomitic sand substitutions are acceptable. No "rock dust" can be used for sand.

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.



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

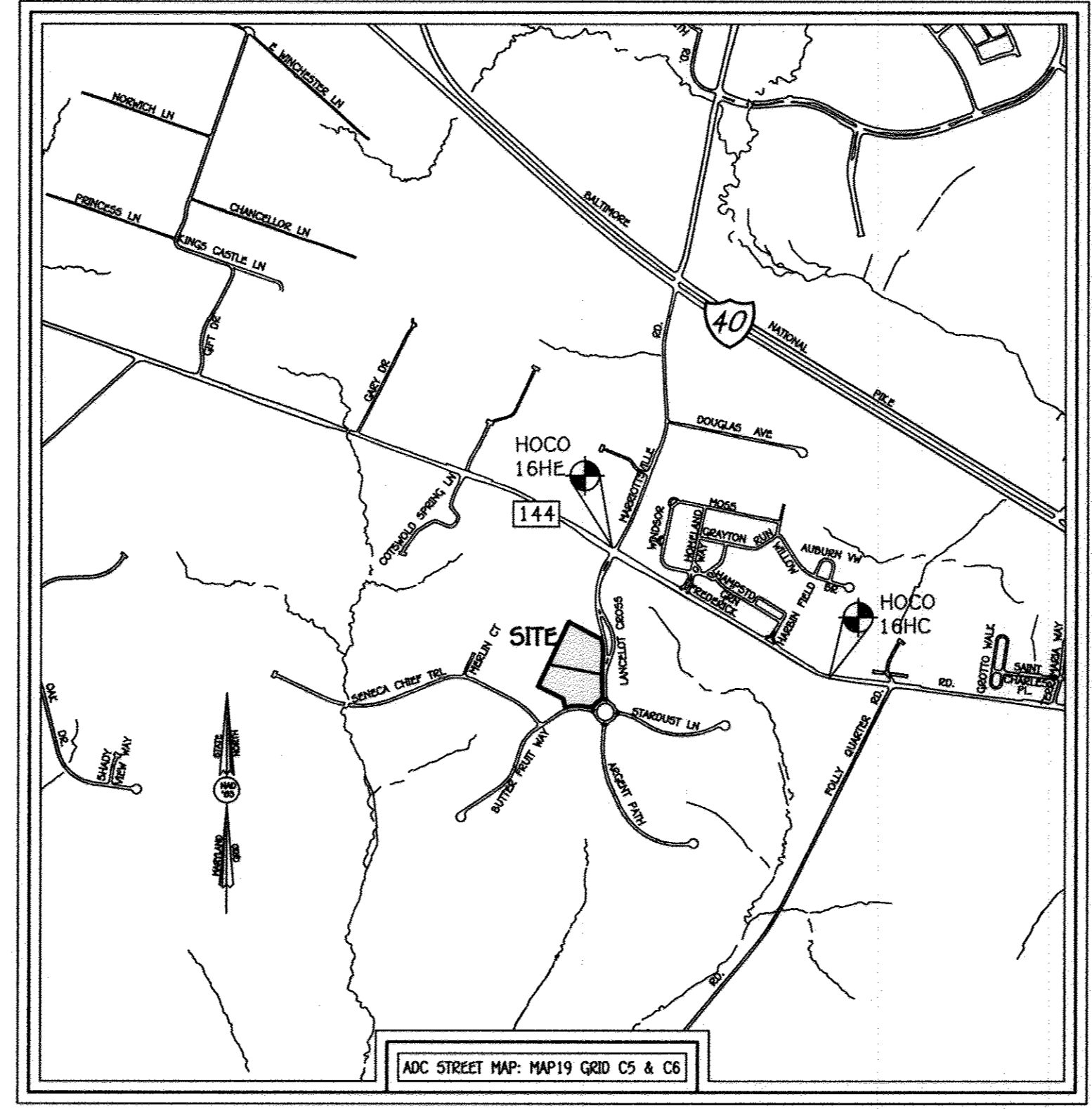
1. MAINTENANCE OF AREAS RECEIVING DISCONNECTION RUNOFF IS GENERALLY NO DIFFERENT THAN THAT REQUIRED FOR OTHER LAWN OR LANDSCAPED AREAS. THE AREAS RECEIVING RUNOFF SHOULD BE PROTECTED FROM FUTURE CONSTRUCTION OR DEVELOPMENT OF IMPERVIOUS AREA IN COMMERCIAL AREAS FOOT TRAFFIC SHOULD BE RECOGNIZED AS WELL.

SITE ANALYSIS DATA CHART

A. TOTAL AREA OF THIS SUBMISSION = 6.75 AC.
B. LIMIT OF DISTURBED AREA = 42,412 SQ.FT. OR 0.97 AC. (SWM BASED ON LOD)
C. PRESENT ZONING DESIGNATION = RC-DEO (PER 10/06/2013 COMPREHENSIVE ZONING PLAN)
D. PROPOSED USE: RESIDENTIAL
E. PREVIOUS HOWARD COUNTY FILES: F-98-138; ECP-17-059
F. TOTAL AREA OF FLOODPLAIN LOCATED ON-SITE = 0 AC
G. TOTAL AREA OF SLOPES IN EXCESS OF 15% = 0 AC
H. TOTAL AREA OF WETLANDS (INCLUDING BUFFER) = 0 AC
I. TOTAL AREA OF STREAM (INCLUDING BUFFER) = 0 AC
J. TOTAL AREA OF EXISTING FOREST = 0 AC
K. TOTAL AREA OF FOREST TO BE RESTORED = 0 AC (SUBMISSION IS EXEMPT FROM FOREST CONSERVATION REGULATIONS, SINCE IT IS A SINGLE LOT WITH NO FURTHER SUBDIVISION POTENTIAL)
L. TOTAL AREA OF LOTS / BUILDABLE PARCELS = 6.75 AC (+3.45 AC LOT 2)
M. TOTAL GREEN OPEN AREA = 0.75 AC (WITHIN LOD)
N. TOTAL IMPERVIOUS AREA = 0.18 AC (WITHIN LOD, EXCLUDES EXISTING IMPERVIOUS)
O. TOTAL AREA OF ERODIBLE SOILS = 0.0 AC
P. TOTAL AREA OF ROAD DEDICATION = 0 AC

SUPPLEMENTAL PLAN CHARLES FEAGA PROPERTY, LOTS 1 & 2

TAX MAP No. 23 GRID No. 4 PARCEL No. 62
THIRD ELECTION DISTRICT HOWARD COUNTY, MARYLAND



BENCHMARK INFORMATION

B.M.# 16HC - HOWARD COUNTY CONTROL STATION #16HC - HORIZONTAL - NAD '83	N 599,780.930 E 1,341,529.866 ELEVATION = 448.644 - VERTICAL - (NAVD '88)
B.M.# 16HE - HOWARD COUNTY CONTROL STATION #16HE - HORIZONTAL - NAD '83	N 590,948.693 E 1,339,596.619 ELEVATION = 537.975 - VERTICAL - (NAVD '88)

- General Notes:**
- Subject Property Zoned RC-DEO Per 10/06/13 Comprehensive Zoning Plan.
 - Coordinates Based On NAD '83, Maryland Coordinate System As Projected by Howard County Geodetic Control Stations No. 16HC And No. 16HE.
 - Sta. 16HC N 599,780.930 E 1,341,529.866 Elev. = 448.644
 - Sta. 16HE N 590,948.693 E 1,339,596.619 Elev. = 537.975
 - This Plat Is Based On Field Run Monumented Boundary Survey Performed On Or About January, 2017 By Fisher, Collins And Carter, Inc.
 - B.S.L. Denotes Building Restriction Line
 - Denotes Iron Pin Set Capped "F.C.C. 106".
 - 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 "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.
 - 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:
 - Width - 12 Feet (16 Feet Saving More Than One Resident);
 - Surface - Six (6") Inches Of Compacted Crusher Run Base With Tar And Chip Coating, (1 - 1/2" Minimum);
 - Geometry - Maximum 15% Grade, Maximum 10% Grade Change And 45-Foot Turning Radius;
 - Structure (Culverts/Bridges) - Capable Of Supporting 25 Gross Tons (H25-Loading);
 - Drainage Elements - Capable Of Safely Passing 100 Year Flood With No More Than 1 Foot Depth Over Surface;
 - Structure Clearance - Minimum 12 Feet;
 - Maintenance - Sufficient To Ensure All Weather Use.
 - Property Subject To Prior Department Of Planning And Zoning File No's: F-98-138; ECP-17-059.
 - No Easements Exist On The Subject Property Based On Visual Observation Or Listed In Available Howard County Cemetery Inventory Map.
 - There Is An Existing Dwelling On Lot 1 To Remain (Circa 1952). There Existing Barn On Lots 1 And 2. The Portion Of The Barn On Lot 2 Is 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 Letter Prepared By Eco-Science Professionals, Inc. Dated May 15, 2017.
 - Site Is Not Adjacent To A Scenic Road.
 - 100 Year Floodplain, Wetlands, Streams) And/Or Their Buffers, And Steep Slopes Do Not Exist On-Site.
 - This Subdivision Is Exempt From Forest Conservation Requirements Since It Is A Minor Subdivision Creating One Additional Lot With No Further Subdivision Potential Per Section 16.1202(b)(1)(iv) Of The Howard County Code.
 - 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 Are Being Utilized. Non-Rooftop Disconnection (N-2) And Drywells (M-5) Are Proposed. Stormwater Management Devices Will Be Privately Owned And Maintained.
 - 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, Waiver Petition Application Or Building/Grading Permit.
 - This Area Designates A Private Sewage Easement Of At Least 10,000 Square Feet As Required By The Maryland State Department Of Planning And Zoning For Individual Sewage Disposal (COMAR 26.04.05). Improvements Of Any Nature In This Area Are Restricted Until Public Sewage Is Available. These Easements Shall Become Null And Void Upon Connection To A Public Sewage System. The County Health Officer Shall Have The Authority To Grant Adjustments To The Private Sewage Easement.
 - This Subdivision Is In The Tier IV Growth Area.
 - This Plan 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 Setback And Buffer Regulations In Effect At The Time Of Submission Of The Site Development Plan, Waiver Petition Application, Or Building/Grading Permit.
 - Section 16.121 Of The Subdivision Regulations Requires A \$1,500.00 Payment For Fee-In-Lieu Of Providing Open Space For Non-Cluster Subdivisions In The RC-DEO Zoning District. The Developer Will Pay The Fee-In-Lieu.
 - This Property Is Not Located Within The Metropolitan District.
 - Private Water And Sewage Will Be Used Within This Site.
 - This Plan Has Been Prepared In Accordance With The Provisions Of Section 16.124 Of The Howard County Code And The Landscape Manual. Financial Surety For The Required Perimeter Landscaping Will Be Posted As Part Of The Building Permit For Lot 2 In The Amount \$900.000 Based On (03) Shade Trees @ \$300.00 Each, (00) Evergreens @ \$150.00 Each And (00) Shrubs @ \$30.00 Each.
 - A Community Meeting Was Conducted March 9, 2017 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.
 - A Traffic Study Is Not Required For This Project Since This Is A Minor Subdivision.
 - 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 This 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:
 - M.I.H.U. Required = (1 Lot x 10%) = 0.1 M.I.H.U.
 - 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.
 - An Executed M.I.H.U. Agreement With The Howard County Housing Department Has Been Completed And Recorded Simultaneously With The Plat.
 - The Lots Shown Hereon Comply With The Minimum Ownership Width And Lot Area As Required By The Maryland State Department Of The Environment.
 - No Noise Study Is Required Because The Project Does Not Fall Within The Guidelines Of Design Manual, Volume III, Roads, Bridges, Section 5.2.F.2.
 - Historic Structures Exist Within The Limits Of This Plan Submission. Existing House Is 50+ years old (circa 1920).
 - All Construction Shall Be In Accordance With The Latest Standards And Specifications Of Howard County Plus MSHA Standards And Specifications, If Applicable.
 - The Contractor Shall Notify The Department Of Public Works/Bureau Of Engineering/Construction Inspection Division At (410) 313-1800 At Least Five (5) Working Days Prior To The Start Of Work.
 - The Contractor Shall Notify "Miss Utility" At 1-800-257-7777 At Least 48 Hours Prior To Any Excavation Work Being Done.
 - The Existing Topography Shown Hereon Is Based On Field Run Location Of Existing Driveway And On-Site Structures Based On A Field Run Survey Prepared By Fisher, Collins & Carter, Inc. Dated January, 2017. And Supplemented With Howard County GIS Topography.
 - Existing Utilities Shown Based On Available County Information And Field Locations By Survey Prepared By Fisher, Collins & Carter, Inc. Dated January, 2017.
 - Driveway Entrance To Be Provided In Accordance With Howard County Detail R-6.06.
 - Sight Distance At Lancelot Cross Was Determined To Be Adequate, Approved On August 23, 2017.
 - Well Must Be Drilled Prior To Howard County Health Department Signature Of The Final Plat.
 - The Maintenance Agreement For The Use-In-Common Driveway Is To Be Recorded Concurrent With The Recording Of The Plat.

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CONTROLLING OFFICE: 10772 BALTIMORE NATIONAL PIKE
ELICOTT CITY, MARYLAND 21042
(410) 461-2955

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

J. Marshall 1-17-18
Chief, Division of Land Development

Chad 1-16-18
Chief, Development Engineering Division

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. 36386, EXPIRATION DATE: 01/12/2019.

Stephanie J. Joste 12/21/17
Signature Of Professional Engineer

OWNER
CHARLES FEAGA
BARBARA FEAGA
3050 LANCELOT CROSS
ELICOTT CITY, 21042
410-489-7900

DEVELOPER
HERITAGE LAND DEVELOPMENT
15950 NORTH AVE.
P.O. BOX 482
LISBON, MD 21765
410-489-7900

SUPPLEMENTAL PLAN - TITLE SHEET
**CHARLES FEAGA PROPERTY,
LOTS 1 & 2**
3050 LANCELOT CROSS
ZONED: RC-DEO
TAX MAP #23 GRID 0004 PARCEL: 62
THIRD ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: DECEMBER, 2017
SHEET 1 OF 3

SCHEDULE A - PERIMETER LANDSCAPE EDGE

PERIMETER CATEGORY	P-1 ADJACENT TO ROADWAY	P-2 ADJACENT TO PERIMETER ROADWAY	P-3 ADJACENT TO PERIMETER PROPERTIES	P-4 ADJACENT TO PERIMETER PROPERTIES	TOTAL
LANDSCAPE TYPE	N/A	B	A	A	
LINEAR FEET OF PERIMETER	339.53 L.F.	159.50' L.F.	331.15' L.F.	204.16' L.F.	
NUMBER OF PLANTS REQUIRED	N/A	(1159/150' = 3.1 OR 3) (1159/140' = 3.9 OR 4)	(331.15/60' = 5.5 OR 6)	(204.16/60' = 3.4 OR 3)	13
CREDIT FOR EXISTING VEGETATION	N/A	0	0	0	0
NUMBER OF PLANTS PROVIDED	N/A	3	3	2	13
NUMBER OF PLANTS PROVIDED	N/A	0	0	0	0

LANDSCAPING PLANT LIST

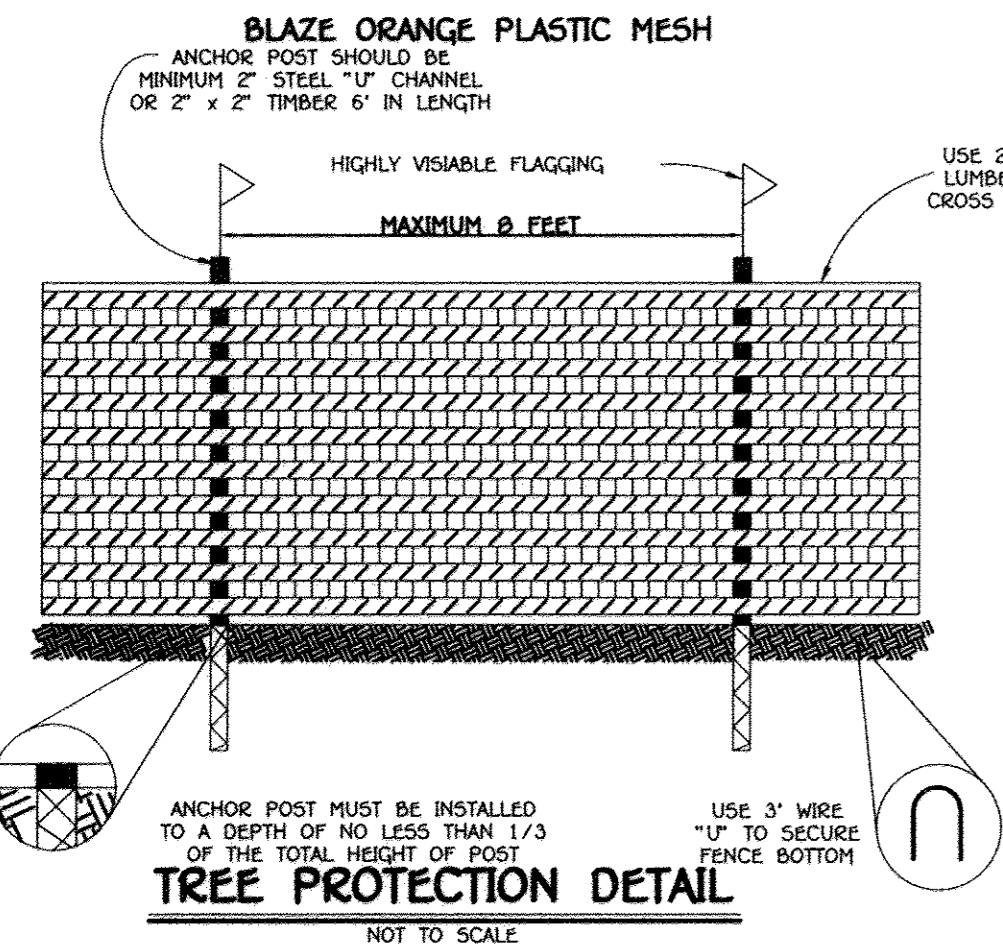
QTY.	KEY	NAME	SIZE
1	(Symbol)	ACER RUBRUM 'RED SUNSET' (RED SUNSET RED MAPLE)	2.5'-3" CAL. FULL CROWN, B&B
2	(Symbol)	TILIA CORDATA 'GREENSPIRE' (GREENSPIRE LITTLELEAF LINDEN)	2.5'-3" CAL. FULL CROWN, B&B

TOTAL: 3 SHADE TREES

NOTE: SOIL PROFILE BASED ON ON-SITE OBSERVATION ON JANUARY 16, 2017. NO ROCK OR WATER WAS ENCOUNTERED.

SPECIMEN TREE TABLE

KEY	SPECIES	SIZE (DBH)	CRZ (FT RADIUS)	COMMENTS	STATUS
1	SILVER MAPLE	37.5	56.25	POOR CONDITION, THIMBED AND TRUNK ROT NOTED	TO REMAIN
2	SILVER MAPLE	44"	66	POOR CONDITION, SIGNIFICANT DISEASE	TO REMAIN
3	SILVER MAPLE	50.7"	75.75	POOR CONDITION, MAJOR TRUNK FAILURE	TO REMAIN
4	NORWAY MAPLE	35"	52.5	POOR CONDITION, TRUNK ROT HAZARD TO EXISTING HOUSE	TO REMAIN
5	SILVER MAPLE	34"	51	FAIR CONDITION, SOME TRUNK ROT NOTED	TO REMAIN
6	BLACK LOCUST	35"	52.5	POOR CONDITION, MAJOR TRUNK FAILURE	TO REMAIN
7	SILVER MAPLE	61"	91.5	FAIR CONDITION, MINOR TRUNK ROT NOTED	TO REMAIN
8	SILVER MAPLE	50"	75	FAIR CONDITION, MINOR TRUNK ROT NOTED	TO REMAIN
9	SILVER MAPLE	43"	64.5	FAIR CONDITION, MINOR TRUNK ROT NOTED	TO REMAIN
10	SILVER MAPLE	41.5"	62.25	FAIR CONDITION, MINOR TRUNK ROT NOTED	TO REMAIN
11	SILVER MAPLE	44"	66	FAIR CONDITION, MINOR TRUNK ROT NOTED	TO REMAIN
12	BLACK WALNUT	36"	57	FAIR CONDITION, MINOR TRUNK ROT NOTED	TO REMAIN
13	SILVER MAPLE	39.5	59.25	FAIR CONDITION, MINOR TRUNK ROT NOTED	TO REMAIN
14	SILVER MAPLE	34"	51	FAIR CONDITION, MINOR TRUNK ROT NOTED, MULTI-STEM	TO REMAIN



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 EXECUTED ONE YEAR GUARANTEE OF PLANT MATERIALS WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.

NAME: Charles Feaga DATE: 12/29/17

BUILDER/DEVELOPER'S CERTIFICATE

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

NAME: Charles Feaga DATE: 12/29/17

ENGINEER'S CERTIFICATE

I/WE CERTIFY THAT THIS PLAN FOR EROSION AND SEWAGE CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

NAME: Alan Smith DATE: 12/29/17

SCALE: 1" = 50'

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTRAL ENGINEERING OFFICE: 10272 BALDWIN NATIONAL PIKE
ELLSWORTH CITY, MARYLAND 21042
(410) 461-2885

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

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. 36386, EXPIRATION DATE: 01/12/2018.

Signature: Alan Smith DATE: 12/29/17

Signature: Charles Feaga DATE: 1-17-18

Signature: Alan Smith DATE: 1-16-18

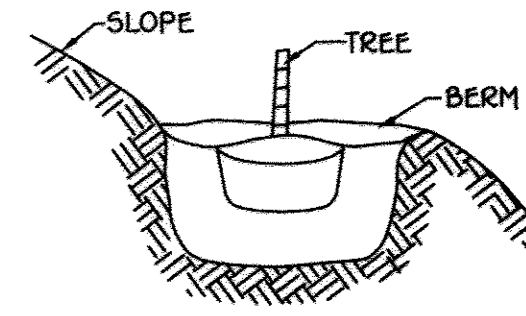
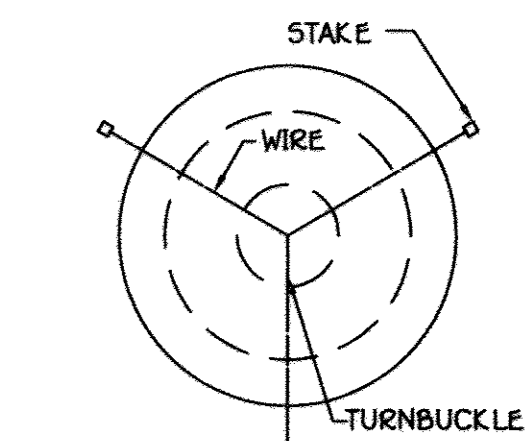
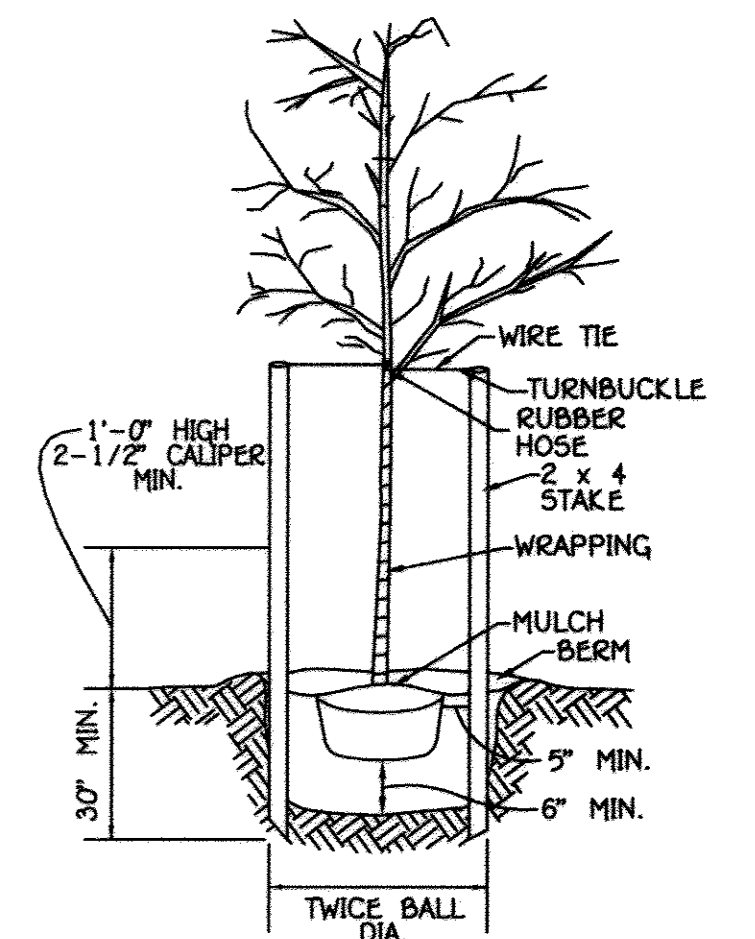
SOILS LEGEND

SOIL	NAME	CLASS	K _w FACTOR
GgB	Glennville loam, 3 to 8 percent slopes	B	0.28
GmB	Glennville silt loam, 3 to 8 percent slopes	C	0.43
MaB	Manor loam, 3 to 8 percent slopes	B	0.28
MaC	Manor loam, 8 to 15 percent slopes	B	0.28

- NOTES:**
- THE OWNER, TENANT AND/OR THEIR AGENTS SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE EXISTING LANDSCAPING, PLANT MATERIALS, BERRIES, 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, REPLACED OR REPLANTED.
 - 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.
 - THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL. FINANCIAL SURETY FOR THE REQUIRED FORESTRY LANDSCAPING WILL BE POSTED AS PART OF THE BIDDING PROCESS. THE AMOUNT OF \$100.00 (5 SHADE TREES), BASED ON THE TOTAL NUMBER OF REQUIRED SHADE TREES @ \$300.00 EACH & EVERGREEN TREES @ \$150.00 EACH.
 - PER SECTION 16.122(b)(1)(iv) OF THE HOWARD COUNTY CODE AND THE FOREST CONSERVATION ACT, THIS SUBDIVISION IS EXCEPT FROM FOREST CONSERVATION REQUIREMENTS SINCE IT IS A MINOR SUBDIVISION CREATING ONE ADDITIONAL LOT WITH NO FURTHER SUBDIVISION POTENTIAL.

LEGEND

- EXISTING 2' CONTOURS
- EXISTING 10' CONTOURS
- EXISTING TREE LINE
- SOIL LINES AND TYPES
- ⊕ DENOTES EXISTING WELLS AND ALT WELL SITES



SUPPLEMENTAL PLAN - TOPOGRAPHY, SOILS, & LANDSCAPING
CHARLES FEAGA PROPERTY,
LOTS 1 & 2
3050 LANCELOT CROSS

ZONED: RC-DEO
TAX MAP #23 GRID 0004 PARCEL: 62
THIRD ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: DECEMBER, 2017
SHEET 2 OF 3

