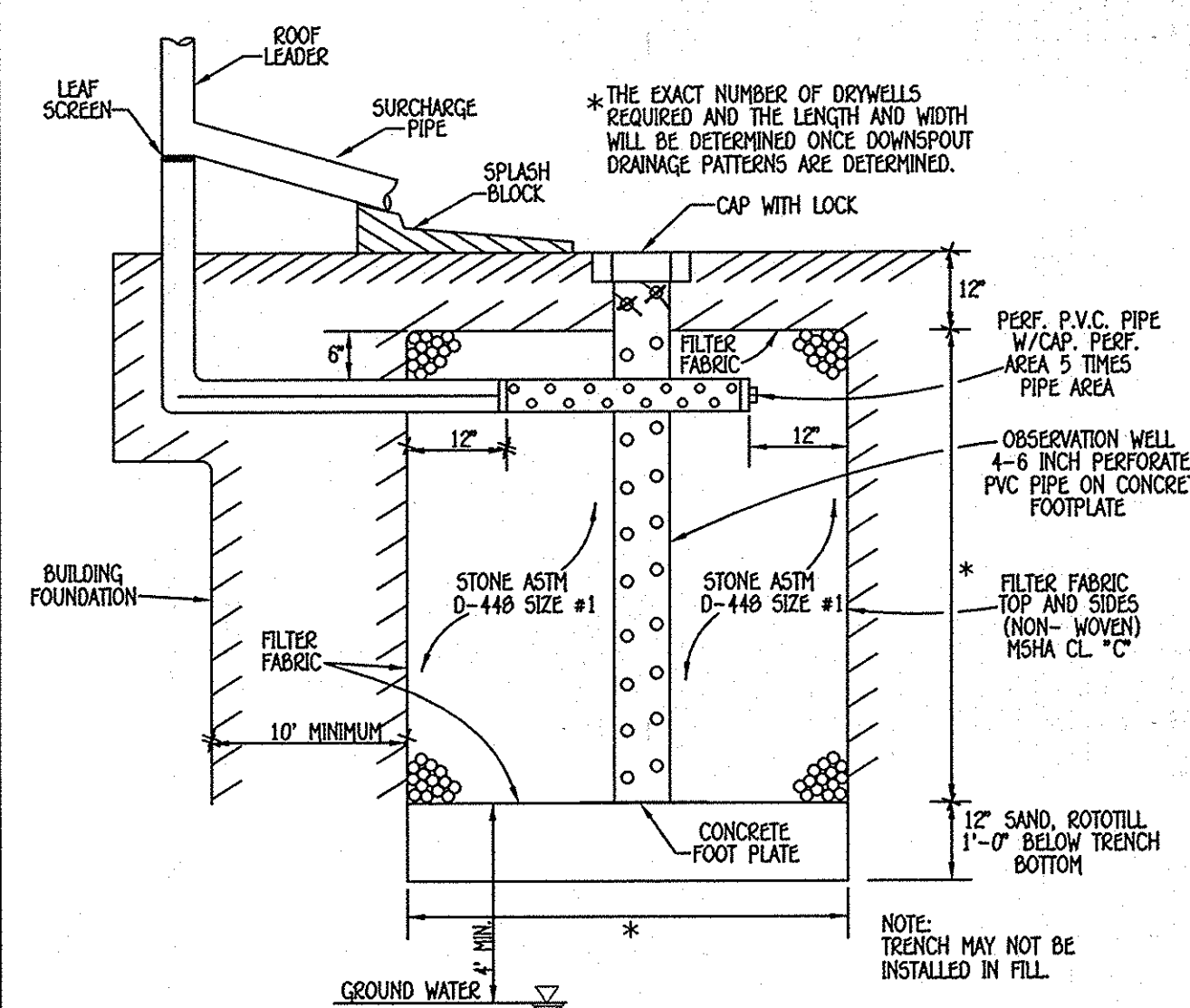


SHEET INDEX	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	ENVIRONMENTAL CONCEPT PLAN

SOILS LEGEND			
SOIL	NAME	CLASS	K FACTOR
GgB	Glenelg loam, 3 to 8 percent slopes	B	0.20
GgC	Glenelg loam, 8 to 15 percent slopes	B	0.20
GmB	Glenville silt loam, 3 to 8 percent slopes	C	0.37

STORMWATER MANAGEMENT SUMMARY			
AREA ID.	ESDV REQUIRED CU.FT.	ESDV PROVIDED CU.FT.	REMARKS
SITE	1,150	1,187	ROOFTOP DISCONNECTIONS (N-1), NON-ROOFTOP DISCONNECTIONS (N-2), DRY WELLS (M-5) & MICRO-BIORETENTION (M-6)
TOTAL	1,150	1,187	

GROSS AREA = 6.06 ACRES
 LOD = 1.57 ACRES
 RCN = 55.6
 TARGET Pe = 1.0'



STORMWATER MANAGEMENT NOTES

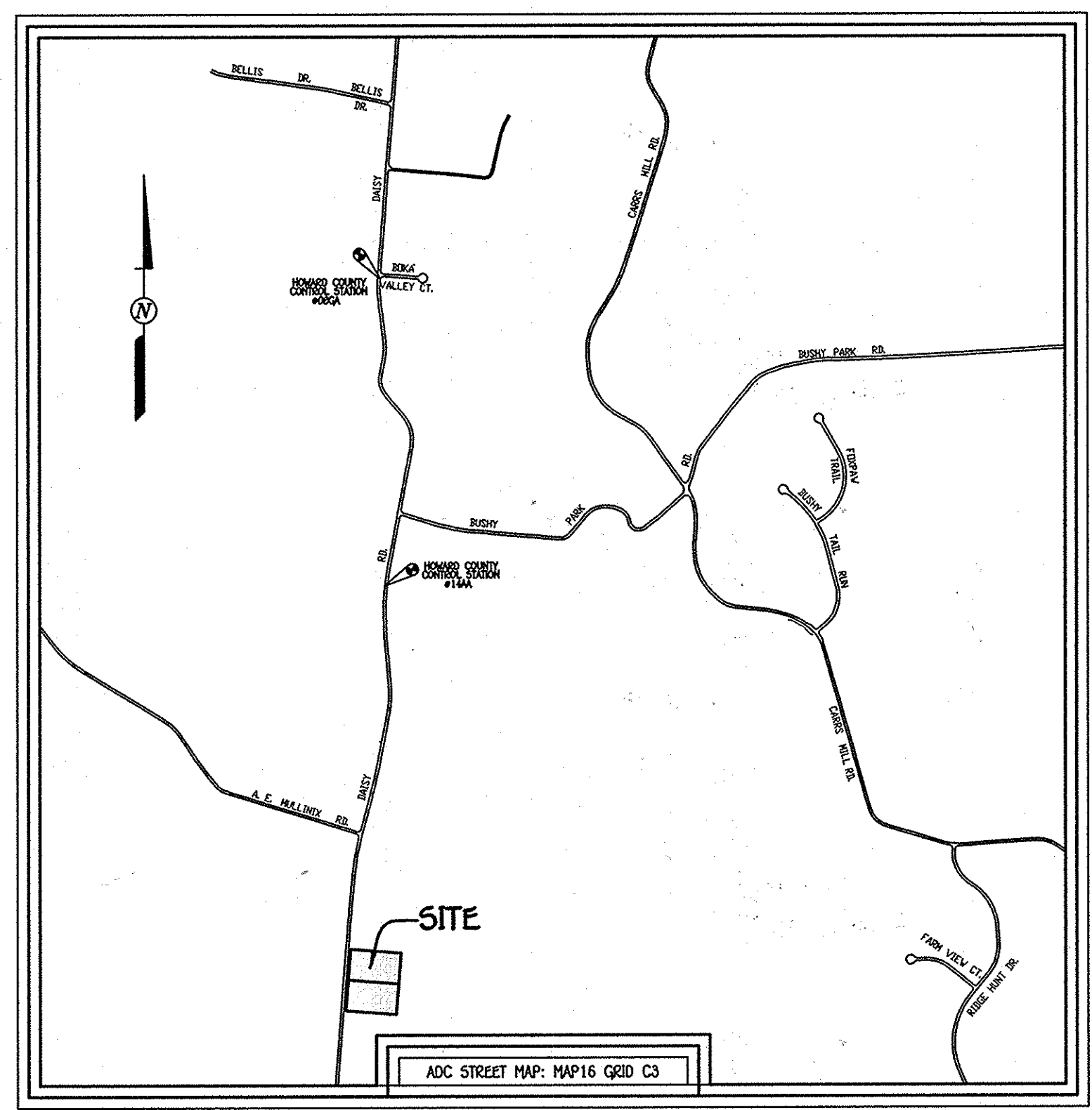
- STORMWATER MANAGEMENT IS PROVIDED IN ACCORDANCE WITH CHAPTER 5, "ENVIRONMENTAL SITE DESIGN" OF THE 2007 MARYLAND STORMWATER DESIGN MANUAL, EFFECTIVE MAY 4, 2010.
- MAXIMUM CONTRIBUTING ROOF TOP AREA TO EACH DOWNSPOUT SHALL BE 1,000 SQ. FT. OR LESS.
- DRYWELLS SHALL BE PROVIDED AT LOCATIONS WHERE THE LENGTH OF DISCONNECTION IS LESS THAN 75' AT 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.

DRY WELL CHART					
DRYWELL NO.	AREA OF ROOF PER DOWN SPOT	VOLUME REQUIRED	VOLUME PROVIDED	AREA OF TREATMENT	L D W
2 (1)	750 SQ. FT.	60 C.F.	72 C.F.	100%*	6' x 6' x 5'
2 (2)	750 SQ. FT.	60 C.F.	72 C.F.	100%*	6' x 6' x 5'
2 (3)	500 SQ. FT.	40 C.F.	50 C.F.	100%*	5' x 5' x 5'

* AREA OF TREATMENT EXCEEDS THAT REQUIRED.

ENVIRONMENTAL CONCEPT PLAN LEWIS PROPERTY LOTS 1 AND 2

TAX MAP No. 14 GRID No. 7 PARCEL NOS. 238 AND 332
FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND



BENCHMARK INFORMATION	
B.M.#1	- HOWARD COUNTY CONTROL STATION #14AA - HORIZONTAL - (NAD '83) (LOCATED MARRIOTTVILLE ROAD, JUST NORTH OF RT-99) N 601.208.6398 E 1,340,912.3072 ELEVATION = 483.88 - VERTICAL - (NAVD '88)
B.M.#2	- HOWARD COUNTY CONTROL STATION #08GA - HORIZONTAL - (NAD '83) (LOCATED RT-99 1/4 MILE WEST OF MARRIOTTVILLE ROAD) N 601,201,86599 E 1,339,637,6916 ELEVATION = 522.62 - VERTICAL - (NAVD '88)

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.

LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
---	EXISTING 2' CONTOURS	---	PROPOSED CONTOUR
---	EXISTING 10' CONTOURS	---	SPOT ELEVATION
GgB	SOILS LINES AND TYPE	---	LIMITS OF DISTURBANCE
---	EXISTING TREELINE	---	PROPOSED TREELINE
---	INDIVIDUAL LARGE TREES	---	SILT FENCE
---	EXISTING FENCE LINE	---	EROSION CONTROL MATTING
---	EXISTING & PROPOSED PAVING	---	SUPER SILT FENCE
---	DRAINAGE AREA DIVIDE	---	STABILIZES CONSTRUCTION ENTRANCE

GENERAL NOTES

- 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.
- BOUNDARY SHOWN HEREON IS BASED ON FIELD RUN MONUMENTED BOUNDARY SURVEY PERFORMED BY FISHER, COLLINS & CARTER, INC. DATED NOVEMBER 2013. TOPOGRAPHY SHOWN HEREON IS BASED ON A TOPOGRAPHIC SURVEY PERFORMED BY FISHER, COLLINS & CARTER, INC. IN NOVEMBER 2013 AND SUPPLEMENTED WITH HOWARD COUNTY GIS TOPOGRAPHY AT 5' CONTOUR INTERVAL INTERPOLATED FOR 2' CONTOUR INTERVAL.
- THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM, HOWARD COUNTY MONUMENT NOS. 16HE AND 16HC WERE USED FOR THIS PROJECT.
- PREVIOUS DPZ FILE NUMBERS: N/A.
- STORM WATER 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.
- THIS PROPERTY IS LOCATED OUTSIDE THE METROPOLITAN DISTRICT. LOTS TO BE SERVED PRIVATE WATER AND PRIVATE SEWERAGE.
- ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
- THIS SUBJECT PROPERTY IS ZONED RC-DEO (PER DATE 10/06/2013 COMPREHENSIVE ZONING PLAN).
- THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECONSTRUCTION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
- NO 100 YEAR FLOODPLAIN, WETLANDS, STREAM(S) AND/OR THEIR BUFFERS, NOR STEEP SLOPES EXIST ON-SITE.
- NO FOREST STANDS EXIST ON-SITE. SEE ENVIRONMENTAL FINDINGS LETTER PREPARED BY ECO-SCIENCE PROFESSIONALS, INC. DATED FEBRUARY 2014.
- LANDSCAPING WILL BE PROVIDED AT THE FINAL PLAN STAGE OF THIS PROJECT. TREES SHOWN ARE CONCEPTUAL.
- THIS SUBDIVISION IS EXEMPT FROM THE FOREST CONSERVATION REQUIREMENT PER SECTION 16.1202(b)(1)(vii) OF THE HOWARD COUNTY CODE AND FOREST CONSERVATION MANUAL, SINCE THIS IS A MINOR SUBDIVISION BEING CREATED ONE ADDITIONAL LOT AND HAS NO FURTHER SUBDIVISION POTENTIAL.
- SOIL EROSION ARE NOT REQUIRED FOR THIS PROJECT SINCE DISCONNECTIONS ARE BEING UTILIZED.
- APPROVAL OF THIS ECP DOES NOT CONSTITUTE AN APPROVAL OF ANY SUBSEQUENT AND ASSOCIATED SUBDIVISION PLAN/PLAT AND/OR SITE DEVELOPMENT PLAN AND/OR RED-LINE REVISION PLAN. REVIEW OF THIS PROJECT FOR COMPLIANCE WITH THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE HOWARD COUNTY ZONING REGULATIONS SHALL OCCUR AT THE SUBDIVISION PLAN/PLAT AND/OR SITE DEVELOPMENT PLAN STAGES AND/OR RED-LINE REVISION PROCESS. THE APPLICANT AND CONSULTANT SHOULD EXPECT ADDITIONAL AND MORE DETAILED REVIEW COMMENTS (INCLUDING COMMENTS THAT MAY ALTER THE OVERALL SITE DESIGN) AS THIS PROJECT PROGRESSES THROUGH THE PLAN REVIEW PROCESS.
- NO STRUCTURES EXIST ON THIS PROPERTY.

DESIGN NARRATIVE

This report will demonstrate how the criteria set forth in the Maryland Stormwater Design Manual, Volumes I and II (effective October 2000, revised May 2009) will be satisfied on this project. The goal of creating hydrology similar to that of "Woods in Good Condition" will be accomplished through the use of the practices contained within Chapter 5 of said manual. The achievement of this goal will require the requirement of providing Channel Protection Volume.

General Site Conditions:
 Lewis Property is zoned RC-DEO and is located on Tax Map 14, Parcel Nos. 238 & 332 of the Howard County, Maryland Tax Map Database System. The property consists of 6.06 acres, none of which is considered forest. This is a subdivision creating Parcels 238 & 332 as recorded lots Lot 1 and 2, since they were deemed as being improperly subdivided previously. These lots will have access to Daisy Road via a common driveway. The proposed lots will be served by private well and septic systems already approved by the Health Department. This subdivision is exempt from forest conservation requirements per Section 16.1202(b)(1)(vii) of the Howard County Code and Forest Conservation Manual since it is a minor subdivision that creates no new lot or parcels and has no further subdivision potential. For the Howard County Soil Survey, soils on-site consist of "GgB" and "GgC" Glenelg loam, Type "B" soils and "GmB" Glenville silt loam, Type C soils. Most Type B soils will be within the limits of disturbance (a small amount of C soils is being disturbed). The Type C soils are located in the middle of site in a depressed area running eastward. Runoff flows from northwest to southeast across the site starting at the centerline of Daisy Road (the high point) and leaving the site in a wide depression near the southeast corner of the property. This runoff eventually flows to the off-site Cattail Creek, a tributary of Brighton Dam on the Patuxent River (02131108). Rooftop Disconnection (N-1), Dry Wells (M-5), and Micro-Bioretenion (M-6) will be utilized for the proposed individual and common driveways.

- Natural Resource Protection:**
The site is located within the Patuxent River Watershed. No environmentally sensitive features exist on-site. No floodplain, steep slopes, wetlands, streams, or their buffers exist on-site. No protection of natural resources will be required on this site.
- Maintenance of Natural Flow Patterns:**
It is the intent of the proposed design to discharge runoff similar to the characteristics and direction of this site prior to any of the proposed improvements.
- Reduction of Impervious Areas through Better Site Design, Alternative Surfaces and Nonstructural Practices:**
A proposed common driveway will serve the proposed two (2) lots. Non-Structural practices as permitted in Chapter 5, Rooftop Disconnection (N-1) & Non-Rooftop Disconnection (N-2), Dry Wells (M-5), and Micro-Bioretenion (M-6) will be used to address ESD to the MEP requirements.
- Integration of Erosion and Sediment Controls into Stormwater Strategy:**
It is anticipated that diversion fence, super silt fence, and erosion control matting will be provided and that the use of sediment traps will not be necessary. There is no direct discharge of runoff to a stream. No drainage easements will be required. It is anticipated that all cut will be utilized on-site for construction at time of Grading Plan.
- Implementation of ESD Planning Techniques and Practices to the Maximum Extent Practicable (MEP):**
ESD planning techniques will be utilized to the maximum extent practicable to satisfy the SWM requirements put forth in Chapter 5 of the Maryland Department of the Environment's SWM Design Manual. Although the full required ESD volume is not being provided, all impervious surfaces are being treated. All non-structural practices are being utilized to treat impervious runoff.
- Request for a Design Manual Waiver:**
No environmental waivers are expected to be required on this project.

SITE ANALYSIS DATA CHART

- TOTAL AREA OF THIS SUBMISSION = 6.06 AC.*
- LIMIT OF DISTURBED AREA = 1.57 AC.*
- PRESENT ZONING DESIGNATION = RC-DEO
(PER 10/06/2013 COMPREHENSIVE ZONING PLAN)
- PROPOSED USE: RESIDENTIAL
- PREVIOUS HOWARD COUNTY FILES: N/A
- 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 BUFFERS) = 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 = 5.68 AC.*
- TOTAL GREEN OPEN AREA = 5.41 AC.* (TOTAL AREA LESS IMPERVIOUS AREA, BUT INCLUDES TREED AREAS THAT ARE CONSIDERED MAINTAINED LAWN)
- TOTAL IMPERVIOUS AREA = 0.27 AC.*
- TOTAL AREA OF ERODIBLE SOILS = 0.85 AC.*
- TOTAL AREA OF ROAD DEDICATION = 0.38 AC.*

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% compost 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	shredded 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 5"	
Geotextile		n/a	PE Type 1 nonwoven
Gravel (underdrains and infiltration berms)	MSHTO M-43	No. 57 or No. Aggregate (3/8" to 3/4")	
Underdrain piping	F 758, Type PS 28 or MSHTO H-278	4" to 6" rigid schedule 40 PVC of 50835	Sloped or perforated pipe; 3/8" perft. @ 6" on center, 4 holes per row; minimum of 3" of gravel over pipe; not necessary underneath pipe. 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-A615-60	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 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 350.8/89; vertical loading (H-10 or H-20); allowable horizontal loading (based on soil pressure); and analysis of potential cracking
Sand	MSHTO-M-6 or ASTM-C-33	0.075" to 0.04"	Sand substitutions such as diabase and Gytstone (ASTM) #10 are not acceptable. No calcium carbonated or dolomitic sand substitutions are acceptable. No "rock dust" can be used for sand.

NO.	REVISION	DATE	X

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.

Anthony L. Latta 6/30/14
Signature of Professional Engineer DATE

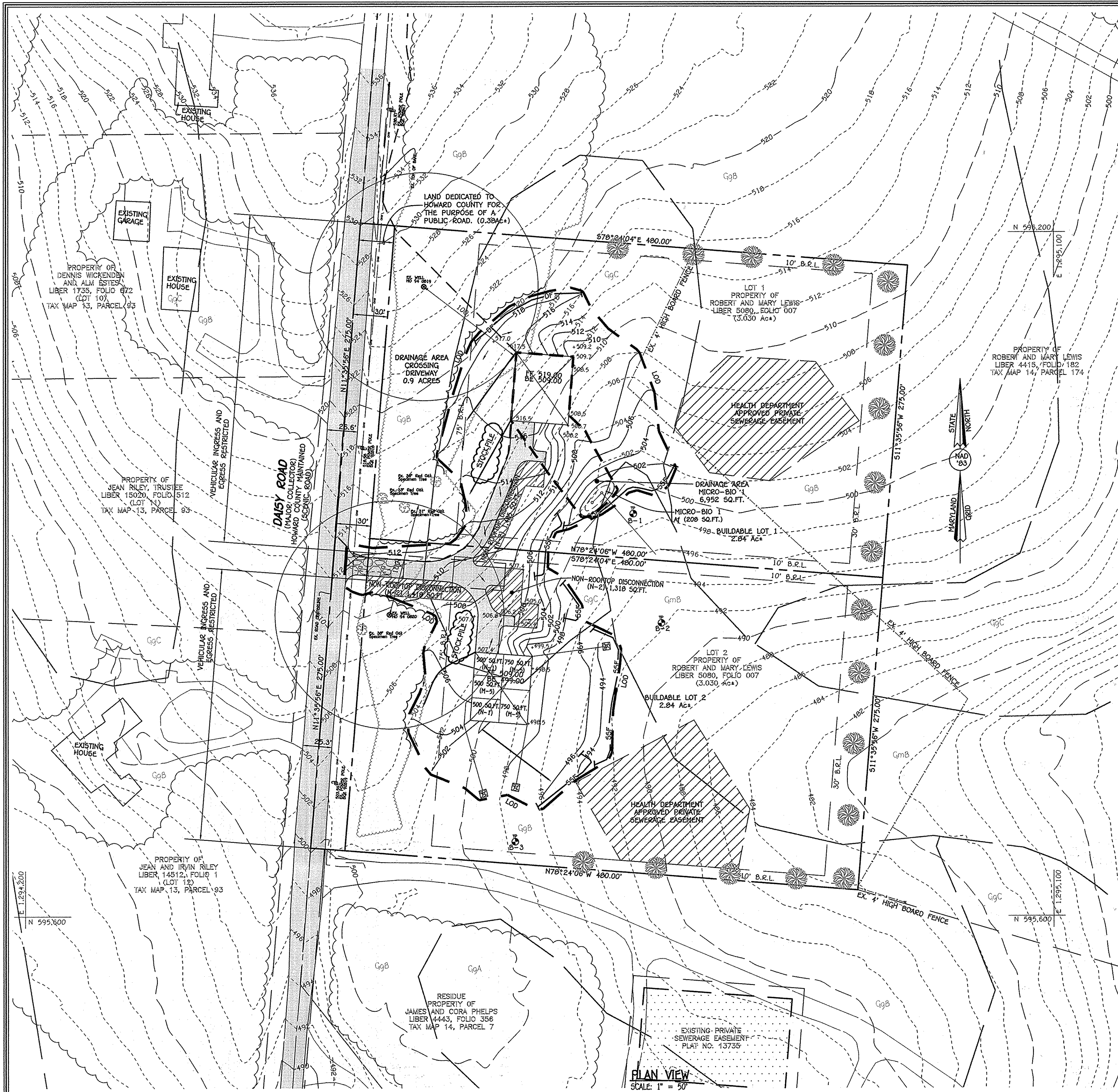
OWNERS / DEVELOPER
 ROBERT & LISA LEWIS
 2425 DAISY ROAD
 WOODBINE, MARYLAND 21797-8129
 443-255-9314

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING			
<i>K. S. Latta</i> Chief, Division of Land Development	7/2/14 Date		
<i>A. J. Latta</i> Chief, Development Engineering Division	7-8-14 Date		
PROJECT: LEWIS PROPERTY, LOTS 1 AND 2	SECTION: -	PARCEL NO.: 238 & 332	
DEED: 1009/700	BLOCK NO.: 7	ZONE: RC-DEO	TAX/ZONE: 14
ELEC. DIST.: FOURTH		CENSUS TR.: 604002	

TITLE SHEET

LEWIS PROPERTY,
LOTS 1 AND 2,
ZONED RC-DEO
TAX MAP No. 14 GRID No. 7 PARCEL NOS. 238 & 332
FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: JUNE, 2014
SHEET 1 OF 2

ECP-14-063

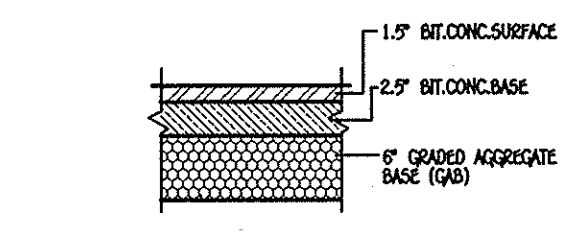


STORMWATER MANAGEMENT PRACTICES				
LOT NO.	DISCONNECTION OF ROOFTOP RUNOFF (N-1) Y/N, NUMBER	DISCONNECTION OF NON-ROOFTOP RUNOFF (N-2) Y/N	DRY WELLS (M-5) Y/N, NUMBER	MICRO-BIORETENTION (M-6) Y/N, NUMBER
1	NO	YES	NO	YES, ONE (1)
2	YES, THREE (3)	YES	YES, TWO (2)	NO

LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
-492-	EXISTING 2' CONTOURS	-482-	PROPOSED CONTOUR
-490-	EXISTING 10' CONTOURS	+362.5	SPOT ELEVATION
GgB GgC	SOILS LINES AND TYPE	100	LIMITS OF DISTURBANCE
---	EXISTING TREELINE	---	PROPOSED TREELINE
○	INDIVIDUAL LARGE TREES	—F	SILT FENCE
---	EXISTING FENCE LINE	••••	EROSION CONTROL MATTING
---	EXISTING & PROPOSED PAVING	—SSC	SUPER SILT FENCE
---	DRAINAGE AREA DIVIDE	---	STABILIZES CONSTRUCTION ENTRANCE

OPERATION & MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED, DISCONNECTION OF ROOFTOP RUNOFF (N-1) & DISCONNECTION OF NONROOFTOP RUNOFF (N-2)

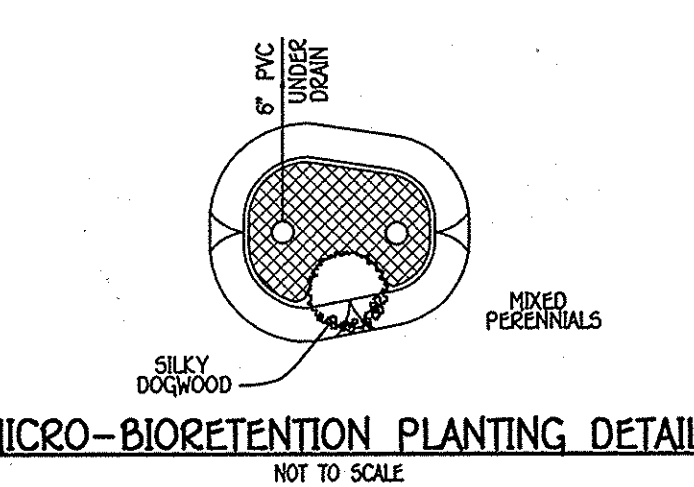
1. MAINTENANCE OF AREAS RECEIVING DISCONNECTION RUNOFF IS GENERALLY NO DIFFERENT FROM THAT REQUIRED FOR OTHER LAWN OR LANDSCAPED AREAS. THE AREAS RECEIVING RUNOFF SHOULD BE PROTECTED FROM FUTURE COMPACTION OR DEVELOPMENT OF IMPERVIOUS AREA IN COMMERCIAL AREAS FOOT TRAFFIC SHOULD BE DISCOURAGED AS WELL.



P-1 DRIVEWAY PAVING SECTION
NOT TO SCALE

OPERATION & MAINTENANCE SCHEDULE FOR MICRO-BIORETENTION (M-6)

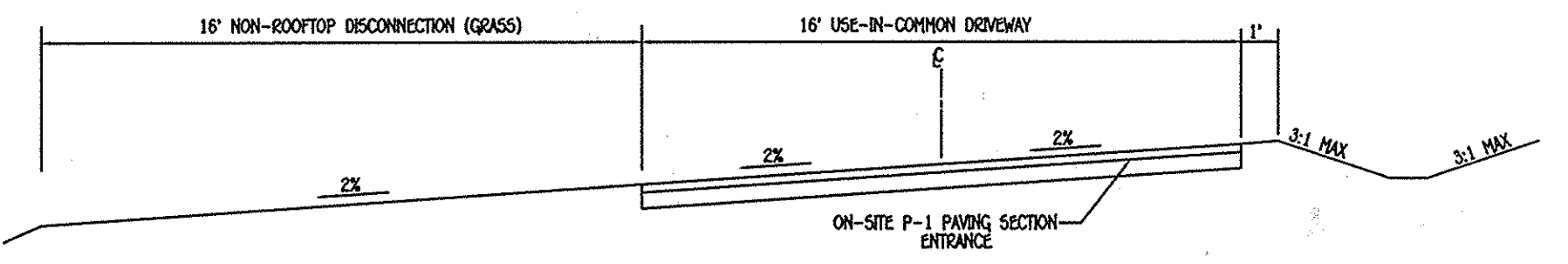
- THE OWNER SHALL MAINTAIN THE PLANT MATERIAL, MULCH LAYER AND SOIL LAYER ANNUALLY. MAINTENANCE OF MULCH AND SOIL IS LIMITED TO CORRECTING AREAS OF EROSION OR WASH OUT. ANY MULCH REPLACEMENT SHALL BE DONE IN THE SPRING. PLANT MATERIAL SHALL BE CHECKED FOR DISEASE AND INSECT INFESTATION AND MAINTENANCE WILL ADDRESS DEAD MATERIAL AND PRUNING. ACCEPTABLE REPLACEMENT PLANT MATERIAL IS LIMITED TO THE FOLLOWING: 2000 MARYLAND STORMWATER DESIGN MANUAL VOLUME II, TABLE A.4.1 AND 2.
- THE OWNER SHALL PERFORM A PLANT IN THE SPRING AND IN THE FALL OF EACH YEAR. DURING THE INSPECTION, THE OWNER SHALL REMOVE DEAD AND DISEASED VEGETATION CONSIDERED BEYOND TREATMENT, REPLACE DEAD PLANT MATERIAL WITH ACCEPTABLE REPLACEMENT PLANT MATERIAL, TREAT DISEASED TREES AND SHRUBS AND REPLACE ALL DEFICIENT STAKES AND WIRES.
- THE OWNER SHALL INSPECT THE MULCH EACH SPRING. THE MULCH SHALL BE REPLACED EVERY TWO TO THREE YEARS. THE PREVIOUS MULCH LAYER SHALL BE REMOVED BEFORE THE NEW LAYER IS APPLIED.
- THE OWNER SHALL CORRECT SOIL EROSION ON AN AS NEEDED BASIS, WITH A MINIMUM OF ONCE PER MONTH AND AFTER EACH HEAVY STORM.



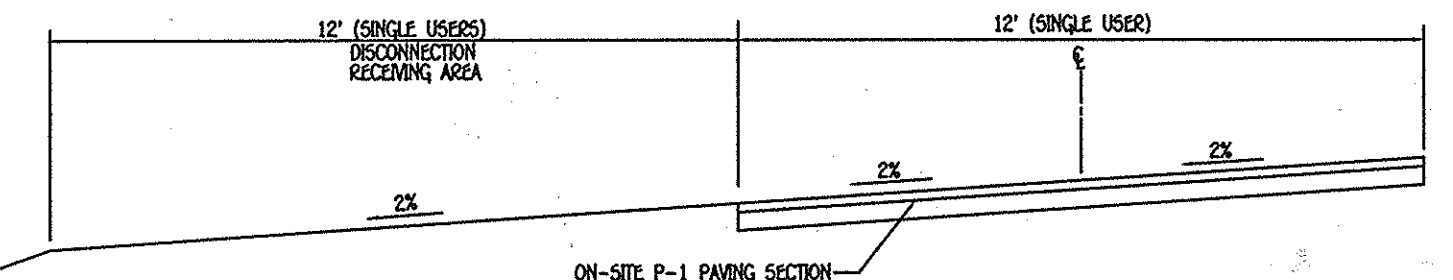
MICRO-BIORETENTION PLANTING DETAIL
NOT TO SCALE

MICRO-BIORETENTION PLANT MATERIAL			
MICRO-BIO	NAME	QUANTITY	MAXIMUM SPACING (FT.)
1	MIXED PERENNIALS	30	1.5 TO 3.0 FT.
1	SILKY DOGWOOD	1	PLANT AWAY FROM INFLOW LOCATION

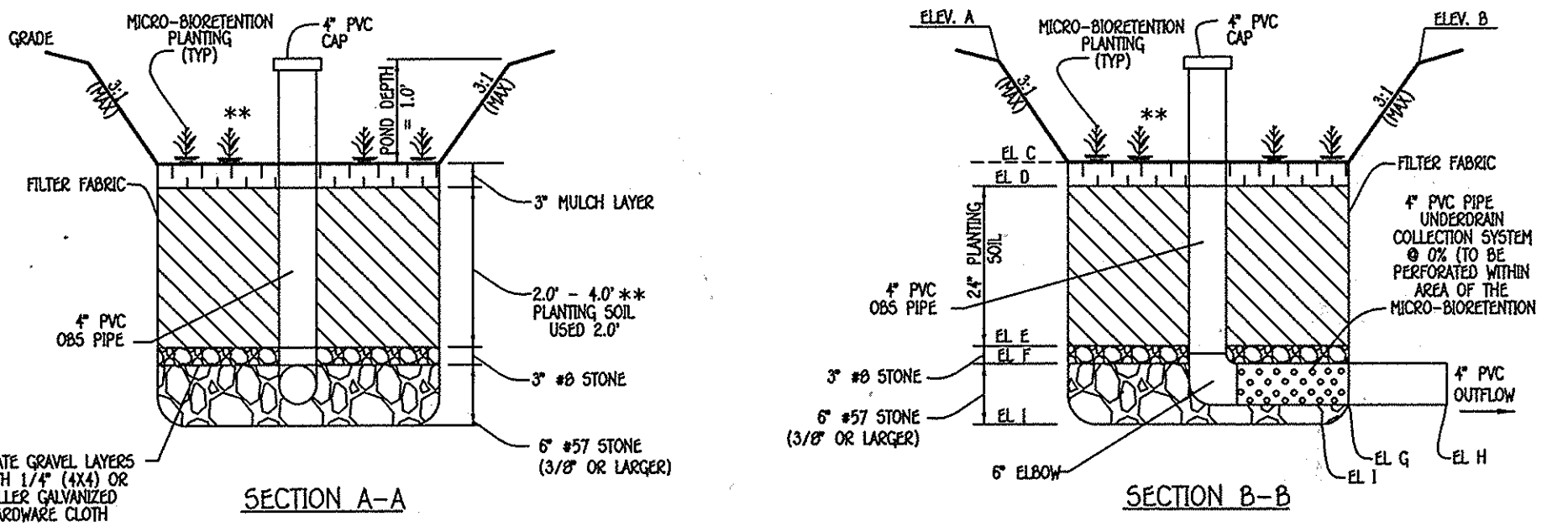
MICRO-BIORETENTION									
BIORETENTION FILTER	A	B	C	D	E	F	G	H	I
1	500.00	500.00	499.00	498.75	498.75	498.50	498.17	495.82	496.00



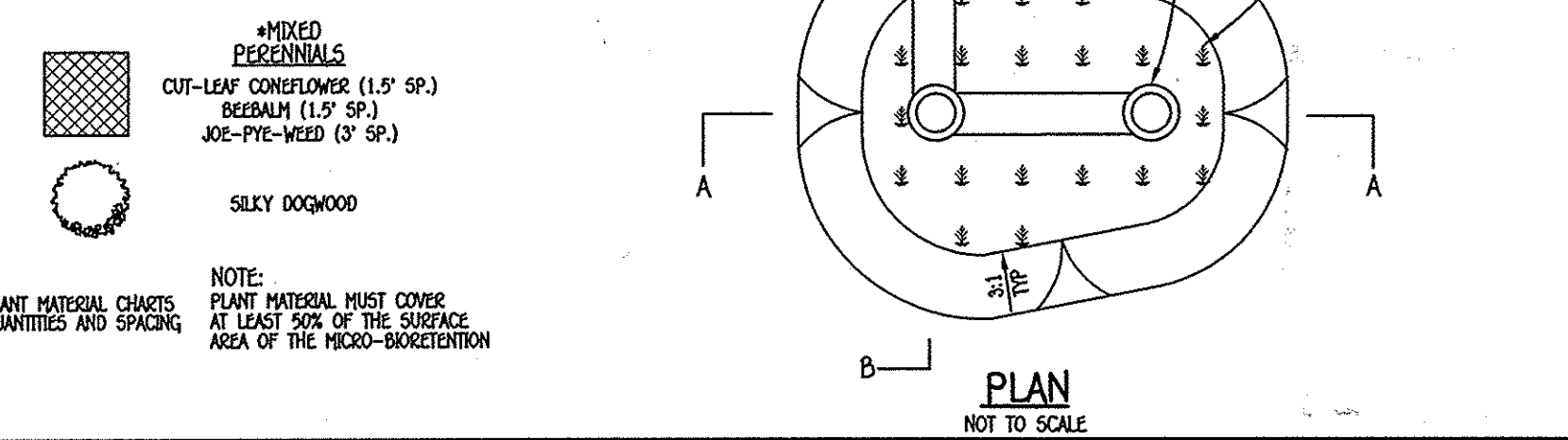
16' USE-IN-COMMON DRIVEWAY CROSS SLOPE SECTION
NOT TO SCALE



TYPICAL PRIVATE DRIVE CROSS SLOPE SECTION
NOT TO SCALE



MICRO-BIORETENTION DETAIL (M-6)
NOT TO SCALE



PLAN
NOT TO SCALE

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLSWORTH CITY, MARYLAND 21042
(410) 651-2225

NO.	REVISION	DATE	X

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.

Anthony J. Smith 6/30/14
Signature of Professional Engineer DATE

OWNERS / DEVELOPER
ROBERT & LISA LEWIS
2425 DANCY ROAD
WOODBINE, MARYLAND 21797-0129
443-295-9314

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Karl S. Domb 7/07/14
Chief, Division of Land Development Date

Phil E. Egan 7-8-14
Chief, Development Engineering Division Date

PROJECT: LEWIS PROPERTY, LOTS 1 AND 2 SECTION: PARCEL NO.: 230 & 332

DEED 1009/700	BLOCK NO. 7	ZONE RC-DEO	TAX/ZONE 14	ELEC. DIST. FOURTH	CENSUS TR. 604002
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ENVIRONMENTAL CONCEPT PLAN

LEWIS PROPERTY, LOTS 1 AND 2,
ZONED RC-DEO
TAX MAP No. 14 GRID No. 7 PARCEL Nos. 230 & 332
FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: JUNE, 2014
SHEET 2 OF 2

ECP-14-063