

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

ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
21-A	3010 Southview Road

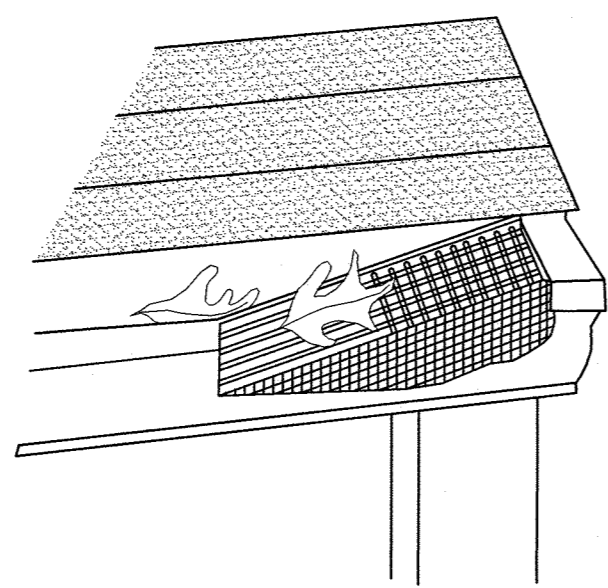
SOILS LEGEND			
SOIL	NAME	CLASS	K FACTOR
BaA	Baile Silt Loam, 0 to 3 percent slope	D	.32
GhB	Glenn-Urban Land Complex, 0 to 8 percent slope	B	.20

Soil Map Number: 13 (Ellicott City, SW)

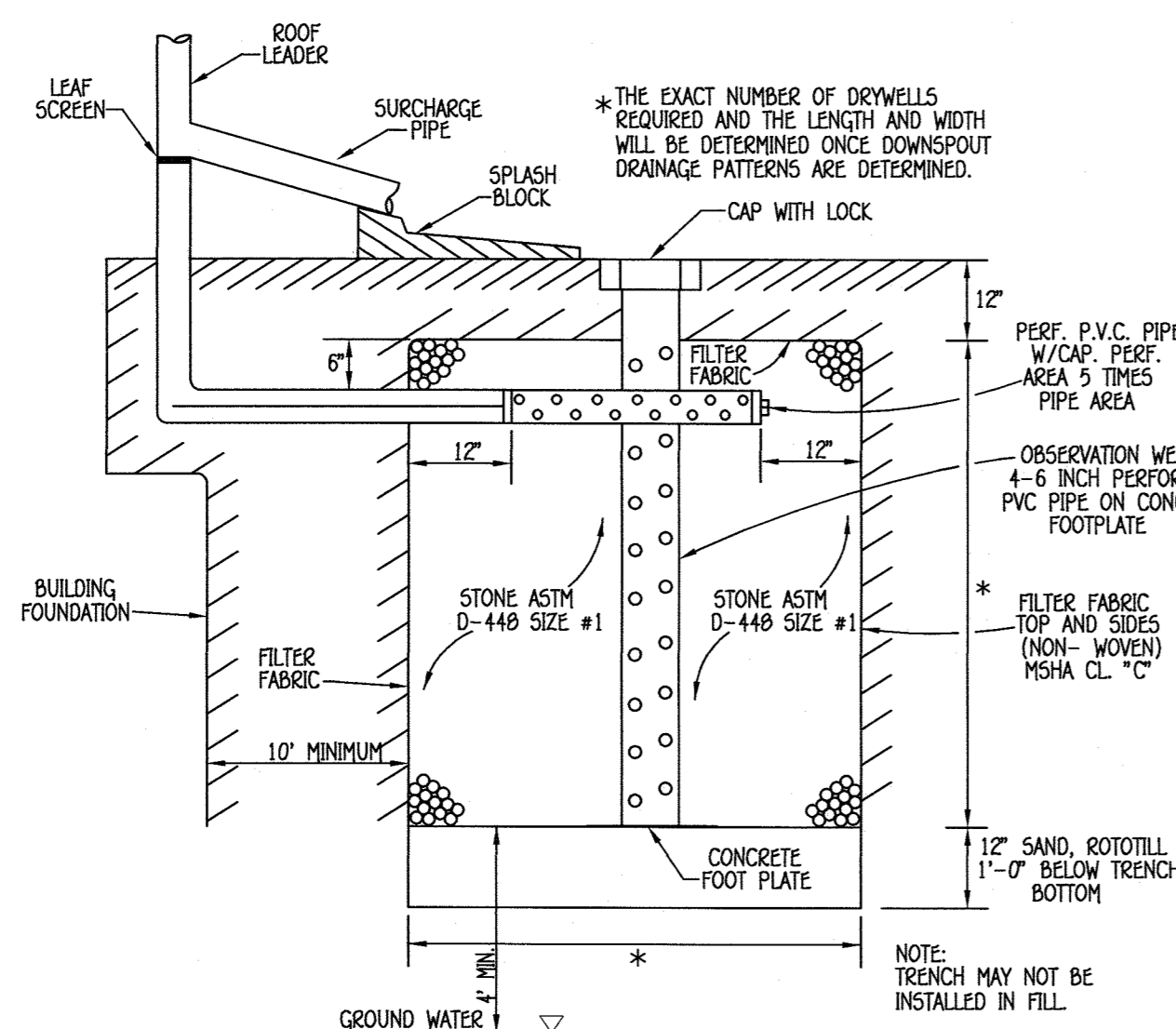
STORMWATER MANAGEMENT SUMMARY			
AREA ID.	ESDV REQUIRED CU.FT.	ESDV PROVIDED CU.FT.	REMARKS
SITE	986	3,018	DRYWELLS (M-5) & MICRO-BIORETENTION (M-6)
TOTAL	986	3,018	

CROSS AREA = 0.57 AC. (TOTAL)
 LOD = 0.46 ACRES
 RCN = 56.1
 TARGET Pe = 1.79"

Rv = 0.05 + (0.009) (I); I=30.8%
 = 0.33
 S = 0.25 (95% 'B' Soils, 5% 'D' Soils)
 Rev = (S) (Rv) (A)/12
 = (0.25) (0.33) (0.57)/12
 = 0.0039 ac-ft or 171 cu-ft



GUTTER DRAIN FILTER DETAIL
 NOT TO SCALE



DRY WELL DETAIL (M-5)
 NOT TO SCALE

STORMWATER MANAGEMENT NOTES

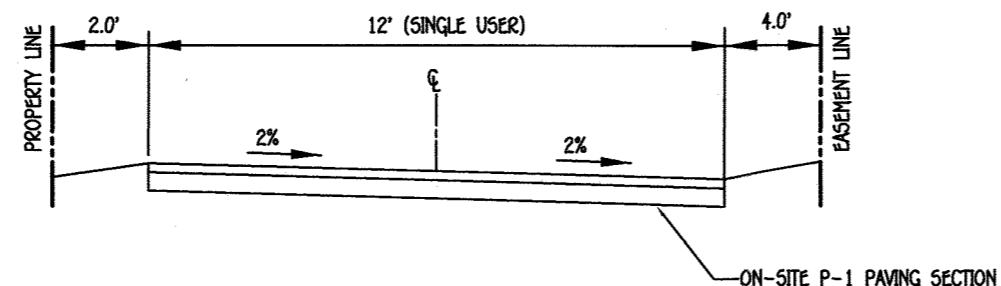
- STORMWATER MANAGEMENT IS PROVIDED IN ACCORDANCE WITH CHAPTER 5, "ENVIRONMENTAL SITE DESIGN" OF THE 2007 MARYLAND STORMWATER MANAGEMENT DESIGN MANUAL, EFFECTIVE MAY 4, 2010.
- MAXIMUM CONTRIBUTING ROOF TOP AREA TO EACH DOWNSPOUT SHALL BE 1,000 SQ. FT. OR LESS.
- DRYWELLS SHALL BE PROVIDED AT LOCATIONS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

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 60-85% compost 35-40% or sandy loam 30% coarse sand 30% compost 40%		USDA soil types loamy sand or sandy loam; clay content <5% (2" to 4" deep)
Organic Content	Min. 10% by dry weight (ASTM D 2974)		aged 6 months, minimum
Mulch	chipped hardwood		
Pea gravel diaphragm	pea gravel: ASTM-D-440	No. 8 or No. 9 (1/8" to 3/8")	
Curbin drain	ornamental stone: washed cobbles	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 75B, Type P5 2B or ASHTO M-27B	4" to 6" rigid schedule 40 PVC or SDR35	Slotted or perforated pipe; 3/8" perft. @ 6" on center, 4 holes per row; minimum of 9" of gravel over pipe; not necessary underneath pipes. Perforated pipe shall be wrapped with 1/4 inch galvanized hardware cloth
Poured in place concrete (if required)	MSHA Mix No. 3, f = 3000 psi at 28 days, normal weight, air-entrained; reinforcing to meet ASTM-615-60	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 standards requires design drawings sealed and approved by a professional structural engineer licensed in the State of Maryland - design to include meeting ACI Code 308.2R/99, vertical loading D1-10 or H-201; allowable horizontal loading (based on soil pressures); and analysis of potential cracking
Sand	ASHTO M-6 or ASTM-C-33	0.075" to 0.04"	Sand substitutions such as Diabase and Gneiss (ASHTO) #10 are not acceptable. No calcium carbonated or dolomitic sand substitutions are acceptable. No "rock dust" can be used for sand.

DRY WELL CHART				
DRYWELL NO.	AREA OF ROOF PER DOWN SPOUT	VOLUME REQUIRED	VOLUME PROVIDED	AREA OF TREATMENT
Dw#1	750 Sq. Ft.	107 C.F.	200 C.F.	100%+
Dw#2	750 Sq. Ft.	107 C.F.	200 C.F.	100%+
Dw#3	750 Sq. Ft.	107 C.F.	200 C.F.	100%+
Dw#4	750 Sq. Ft.	107 C.F.	200 C.F.	100%+
Dw#5	1000 Sq. Ft.	142 C.F.	200 C.F.	100%+
Dw#6	1000 Sq. Ft.	142 C.F.	200 C.F.	100%+

* AREA OF TREATMENT EXCEEDS THAT REQUIRED.



TYPICAL PRIVATE DRIVE CROSS SLOPE SECTION
 NOT TO SCALE

SLOPE THE DRIVEWAY SO THAT WATER DOES NOT FLOW DIRECTLY ONTO THE ADJACENT SOUTHERN PARCEL.

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: 01/12/2022.

Signature: Andrew J. Jurek
 Date: 7/3/20



FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTRAL SOURCE OFFICE PARK - 10272 BALDRENE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21042
 (410) 461-3299

Approved: Department of Planning and Zoning
 Signature: [Signature]
 Chief, Development Engineering Division
 Date: 8/6/20

Signature: [Signature]
 Date: 8/6/20

OWNER / DEVELOPER

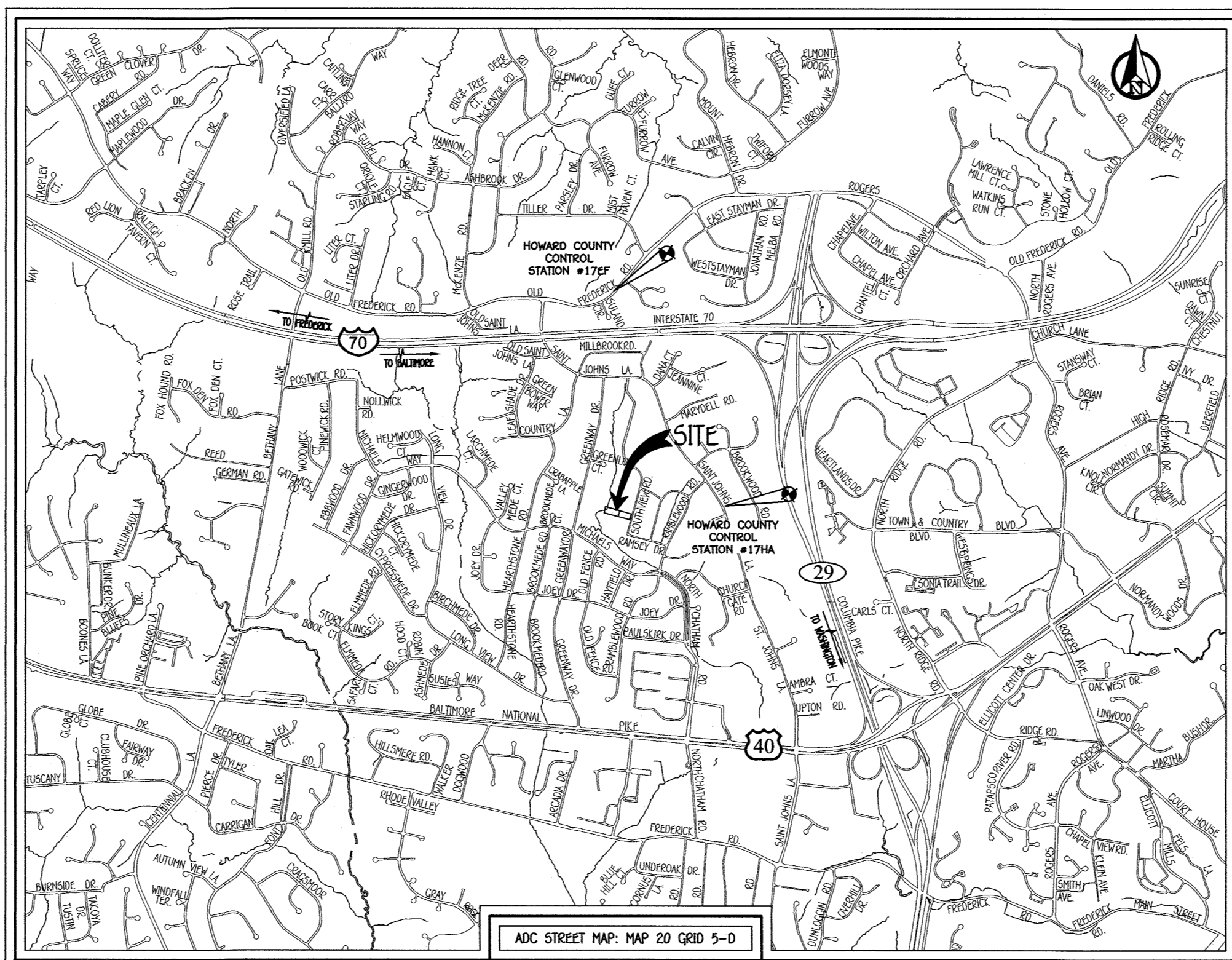
HOCO HOLDING, LLC
 4652 SHEPPARD LANE
 ELLICOTT CITY, MARYLAND 21042
 410-409-0333

ENVIRONMENTAL CONCEPT PLAN

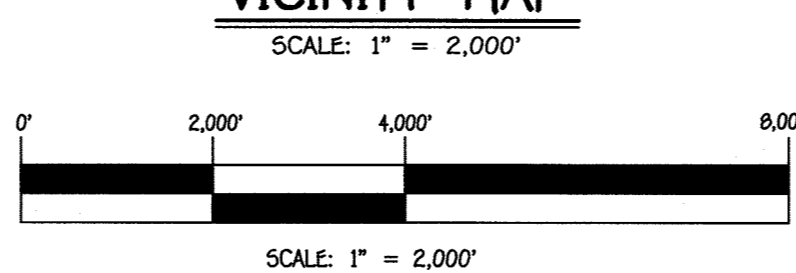
HOWARD HEIGHTS

LOT 21A

TAX MAP No. 17 GRID No. 22 PARCEL NO. 211
 SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND



VICINITY MAP



GENERAL NOTES

- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION DIVISION AT 410-313-1860 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 JUNE, 2018. TOPOGRAPHY SHOWN HEREON IS BASED ON A TOPOGRAPHIC SURVEY PERFORMED BY FISHER, COLLINS & CARTER, INC. IN MAY 2018 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 NO. 177A AND 177D WERE USED FOR THIS PROJECT.
- PREVIOUS UPZ FILE NUMBERS: FLAT BOOK 5, PAGE 19; D-1159
- 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 INSIDE THE METROPOLITAN DISTRICT. LOTS TO BE SERVED PUBLIC WATER AND PRIVATE SEWER, CONTRACT #11-W & #32-5.
- ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
- THE SUBJECT PROPERTY IS ZONED R-20 PER DATE 10/06/2013 COMPREHENSIVE ZONING PLAN.
- NO STEEP SLOPES EXIST ON-SITE, HOWEVER THE SITE CONTAINS 100 YEAR FLOODPLAIN, WETLANDS, STREAM(S) AND/OR THEIR BUFFERS. SEE ENVIRONMENTAL FINDINGS LETTER PREPARED BY ECO-SCIENCE PROFESSIONALS, INC. DATED JUNE 14, 2018.
- LANDSCAPING WILL BE PROVIDED AT THE SITE DEVELOPMENT PLAN STAGE OF THIS PROJECT.
- THIS PROJECT IS EXEMPT FROM FOREST CONSERVATION REQUIREMENTS BECAUSE THE AREA OF THE PARCEL IS LESS THAN 40,000 SQUARE FEET PER SECTION 16.1002(b)(1)(iv) OF THE COUNTY CODE.
- A SOIL BORING WILL BE REQUIRED FOR THIS PROJECT SINCE DRYWELLS AND A MICRO-BIORETENTION POND IS BEING UTILIZED.
- APPROVAL OF THIS ECP DOES NOT CONSTITUTE AN APPROVAL OF ANY SUBSEQUENT SUBDIVISION, FOREST CONSERVATION, OR SITE DEVELOPMENT PLANS. THE APPLICANT AND CONSULTANT SHOULD EXERCISE ADDITIONAL AND MORE DETAILED COMMENTS THAT MAY ALTER THE SITE DESIGN, HOUSE LOCATION, DRIVEWAY LOCATION, GRADING, TREE CLEARING, AND/OR OTHER REQUIREMENTS AS THE DEVELOPMENT PLAN PROGRESSES THROUGH THE PLAN REVIEW PROCESS IN ACCORDANCE WITH THE SUBDIVISION AND ZONING REGULATIONS AND THE FOREST CONSERVATION REQUIREMENTS.
- APPROVAL OF THIS ECP BY THE HOWARD SOIL CONSERVATION DISTRICT DOES NOT PROVIDE APPROVAL OF THE SHOWN SEDIMENT CONTROLS.
- A SMALL SHED EXISTS ON THE PROPERTY AND WILL BE REMOVED.
- SOILS SHOWN HEREON ARE BASED ON THE NRCS WEBSOIL SURVEY AND HOWARD COUNTY SOIL MAP #13.
- NO HISTORICAL FEATURES OR CEMETERIES ARE ON-SITE.
- ON JULY 10, 2019, THE DIVISION OF PUBLIC SERVICE AND ZONING DEPARTMENT, DETERMINED THAT THE PROPERTY (LOT 21-A) IS A VALID BUILD-ABLE LOT.

DESIGN NARRATIVE

Introduction:

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 remove the requirement of providing Channel Protection Volume.

General Site Conditions:

3018-A Southview Road is zoned R-20 and is located on Tax Map 17, however the parcel is inaccurately shown as one parcel with lot 21 (Parcel 211), of the Howard County, Maryland Tax Map Database System. The property is directly behind Lot 21 of a subdivision entitled 'Howard Heights, Section 2' as Recorded in Plat Book 5, Page 19, dated December, 1955. The site is currently a vacant lot that is maintained generally as a lawn for the benefit of the adjacent lot, the lawn area includes numerous landscape and shade trees. This subdivision is exempt from the requirements of Section 16.1200 of the Howard County Code for Forest Conservation. It involves the clearing of less than 40,000 square feet in accordance with Section 16.1202(b)(1)(iv) of the Howard County Code. The proposed house will be served by public water and public sewer. The runoff from the lot is mostly from east to west, with said runoff going towards a stream in the rear of the property. Micro-Bioretenion and Drywells will be utilized to treat the rooftop, and the new driveway. Per the 2004 Wet Soil Survey, soils on-site consist of "BaA" Baile Silt Loam, type D soil and "GhB" Glenn-Urban Land Complex, type B soil.

I. Natural Resource Protection:

Environmentally sensitive features such as a stream and its buffer, wetlands and their buffers, and floodplain do exist on-site. Alternative Compliance has been requested for the construction of stormwater management within the stream buffer. Stream, wetlands, wetland buffer, and floodplain will have super silt fence provided to protect them during construction.

II. Maintenance of Natural Flow Patterns:

Natural flow patterns will be maintained. Existing and proposed runoff flows mostly toward the east and southeast portion of the site.

III. Reduction of impervious areas through better site design, alternative surfaces and Nonstructural Practices

A single driveway will be utilized to provide access to the proposed house.

IV. Integration of Erosion and Sediment Controls into Stormwater Strategy:

Silt Fence and Super Silt Fence will be utilized to provide erosion and sediment control.

V. Implementation of ESD Planning Techniques and practices to the Maximum Extent Practicable (MEP)

The full required ESD volume is being provided along with 100-year and the 3.55-hour 6.6 inch event management.

VI. Request for a Design Manual Waiver:

No waivers related to stormwater management are required. Alternative Compliance is being requested for construction of the stormwater management within the stream buffer.

OPERATION & MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED DRYWELLS (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 AND MAINTENANCE SCHEDULE FOR OWNED AND MAINTAINED UNDERGROUND SWM FACILITY ROUTINE MAINTENANCE RESPONSIBILITIES:

- THE UNDERGROUND S.W.M. FACILITY SHALL BE INSPECTED ANNUALLY AND AFTER MAJOR STORMS. INSPECTIONS SHOULD BE PERFORMED DURING WET WEATHER TO DETERMINE IF THE FACILITY IS FUNCTIONING PROPERLY.
- MAINTENANCE OF THE 66-INCH PIPES SHALL BE PERFORMED BY FLUSHING THE SYSTEM THROUGH THE CLEAN-OUTS PROVIDED AND BY VACUUMING AT MANHOLE ACCESS. THE DISCHARGE / ORIFICE OF THE UNDERGROUND S.W.M. FACILITY SHALL BE TEMPORARILY BLOCKED DURING SAID MAINTENANCE OPERATION.
- DISPOSAL OF MATERIAL SHALL BE IN ACCORDANCE WITH SIMILAR R.N.P. THAT RANGE FROM DISPOSAL IN A SANITARY LANDFILL TO INCINERATION IN A LICENSED FACILITY. PETROLEUM WASTE PRODUCTS SHOULD BE REMOVED BY A LICENSED WASTE MANAGEMENT COMPANY.

NON-ROUTINE MAINTENANCE

- STRUCTURAL COMPONENTS OF THE UNDERGROUND FACILITY SUCH AS THE MANHOLES, PIPES AND/OR ORIFICE SHALL BE REPAIRED UPON DETECTION OF ANY DAMAGE. THE COMPONENTS SHOULD BE INSPECTED DURING ROUTINE MAINTENANCE OPERATIONS. INSPECTION REPORTS SHALL BE KEPT UNTIL THE NEXT SUBSEQUENT INSPECTION.
- PROBLEMS IDENTIFIED DURING INSPECTION WILL BE PROMPTLY CORRECTED. MAJOR PROBLEMS SHALL ALSO BE BROUGHT TO THE ATTENTION OF THE HOWARD COUNTY DEPT. OF PUBLIC WORKS TO INSURE THAT PUBLIC SAFETY IS MAINTAINED. BLOCKED DURING SAID MAINTENANCE OPERATION.

SITE ANALYSIS DATA CHART

- TOTAL AREA OF THIS SUBMISSION = 0.57 AC+ (LOT 21-A)
- LIMIT OF DISTURBED AREA = 20,081 S.F. OR 0.46 AC.
- PRESENT ZONING DESIGNATION = R-20
- PROPOSED USE: RESIDENTIAL
- PREVIOUS HOWARD COUNTY FILES: P.B. 5, P.19; D-1159
- TOTAL AREA OF FLOODPLAIN LOCATED ON-SITE = 0.04 AC+.
- TOTAL AREA OF STEEP SLOPES:
 MODERATED STEEP SLOPES: 15%-24.9% = 0.00 AC+
 STEEP SLOPES: 25% OR GREATER = 0.00 AC+.
- TOTAL AREA OF WETLANDS (INCLUDING BUFFER) = 0.11 AC+.
- TOTAL AREA OF STREAM (INCLUDING BUFFER) = 0.27 AC+.
- TOTAL AREA OF EXISTING FOREST = 0.33 AC+.
- TOTAL AREA OF FOREST TO BE RETAINED = 0.17 AC+ (NOT IN EASEMENT)
- TOTAL AREA OF LOTS / BUILDABLE PARCELS = 0.57 AC+.
- TOTAL GREEN OPEN AREA = 0.43 AC+.
- TOTAL IMPERVIOUS AREA = 0.14 AC+.
- TOTAL AREA OF ERODIBLE SOILS = 0.00 AC+.
- TOTAL AREA OF ROAD DEDICATION = 0.00 AC+.

TITLE SHEET
HOWARD HEIGHTS - LOT 21A

3018-A SOUTHVIEW ROAD
 ZONED: R-20
 TAX MAP NO.: 17 GRID NO.: 22 PARCEL NO.: 211
 SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: AS SHOWN DATE: JULY, 2020
 SHEET 1 OF 2

ECP-20-018

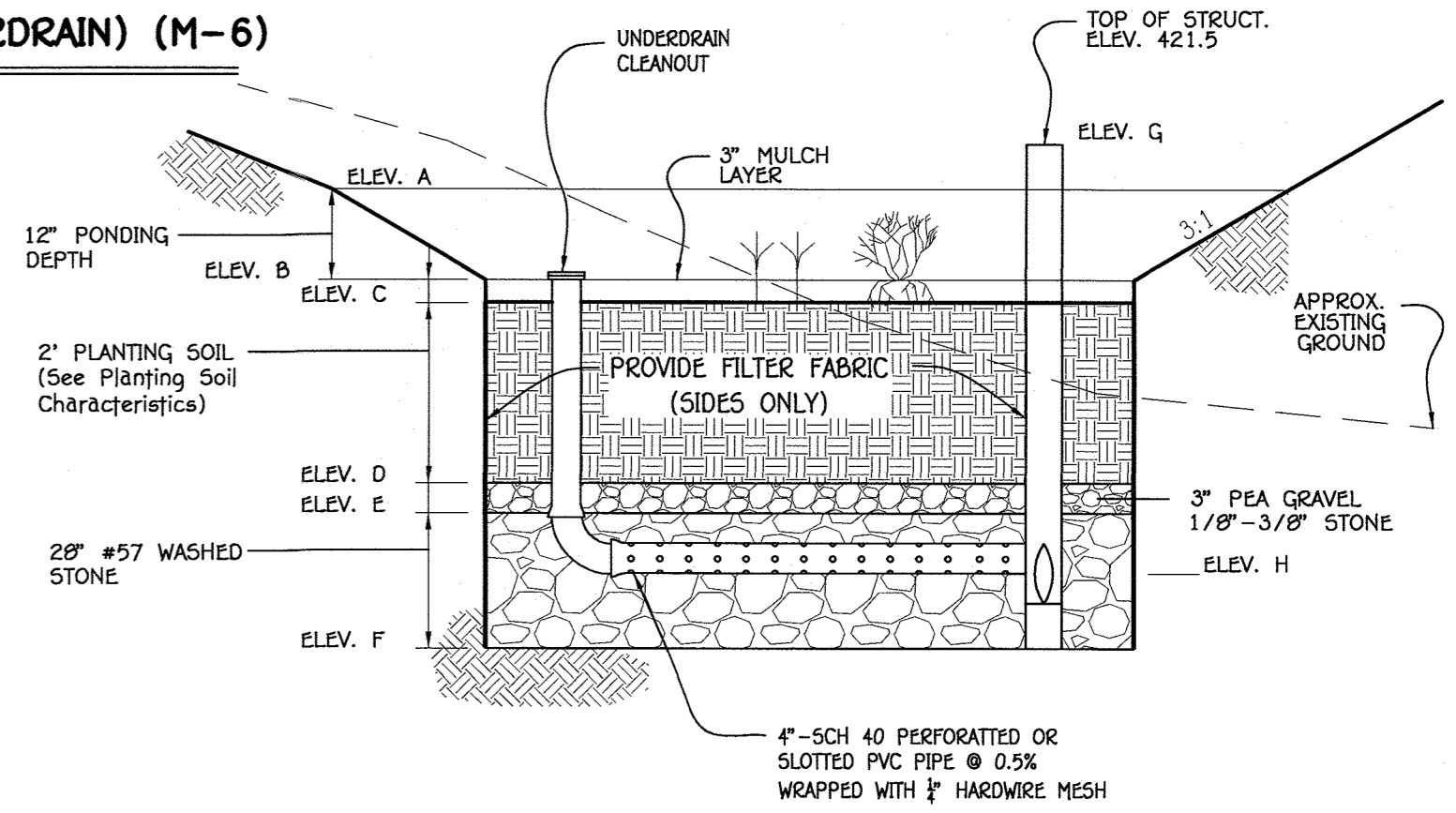
SOILS LEGEND			
SOIL	NAME	CLASS	K. FACTOR
BAA	Baile Silt Loam, 0 to 3 percent slope	D	.32
GhB	Gleng-Urbán Land Complex, 0 to 8 percent slope	B	.20

Soil Map Number: 13 (Ellicott City, SW)

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
Parcel 21-A	NO	NO	YES (4)	YES (1)

MICRO-BIORETENTION (UNDERDRAIN) (M-6)

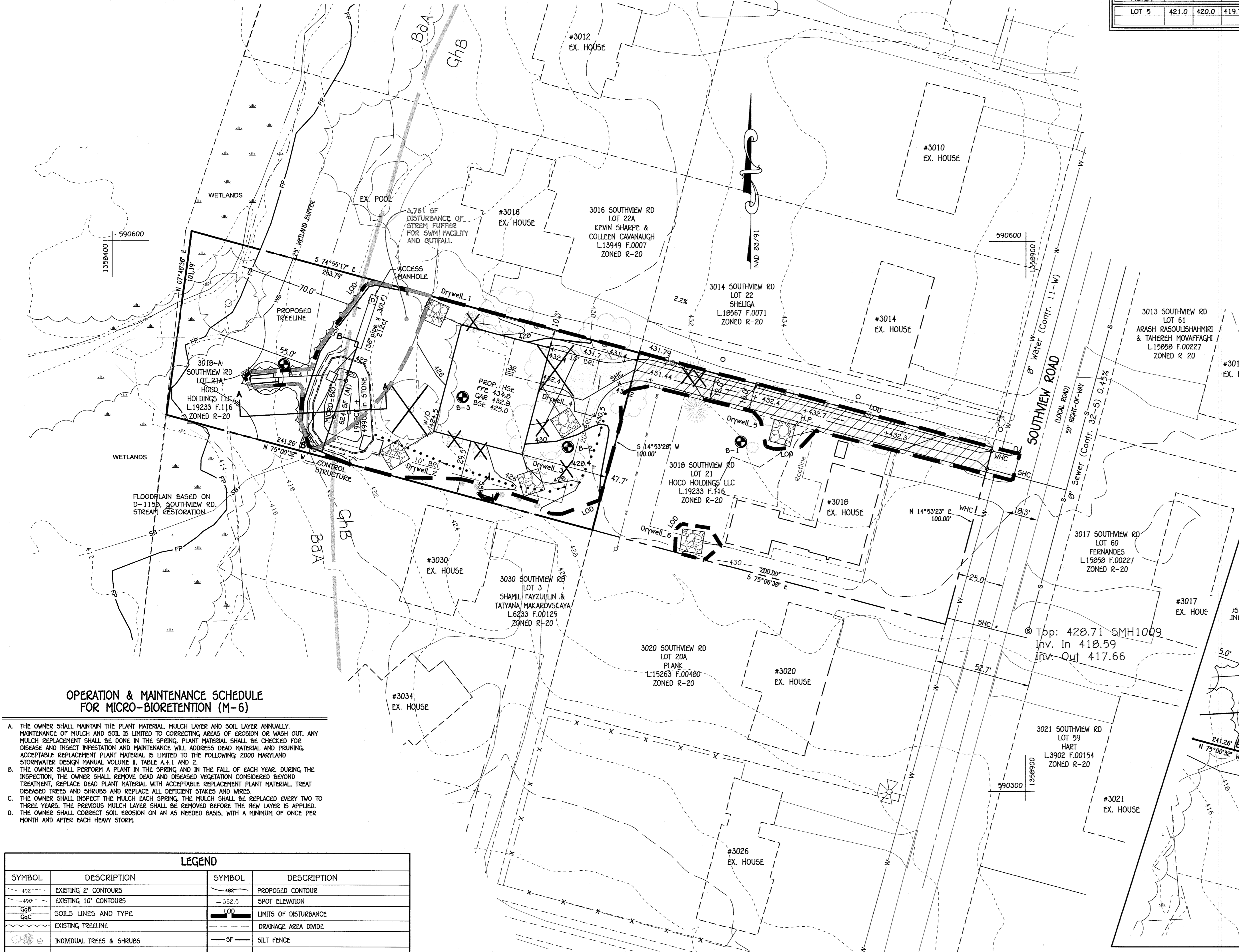
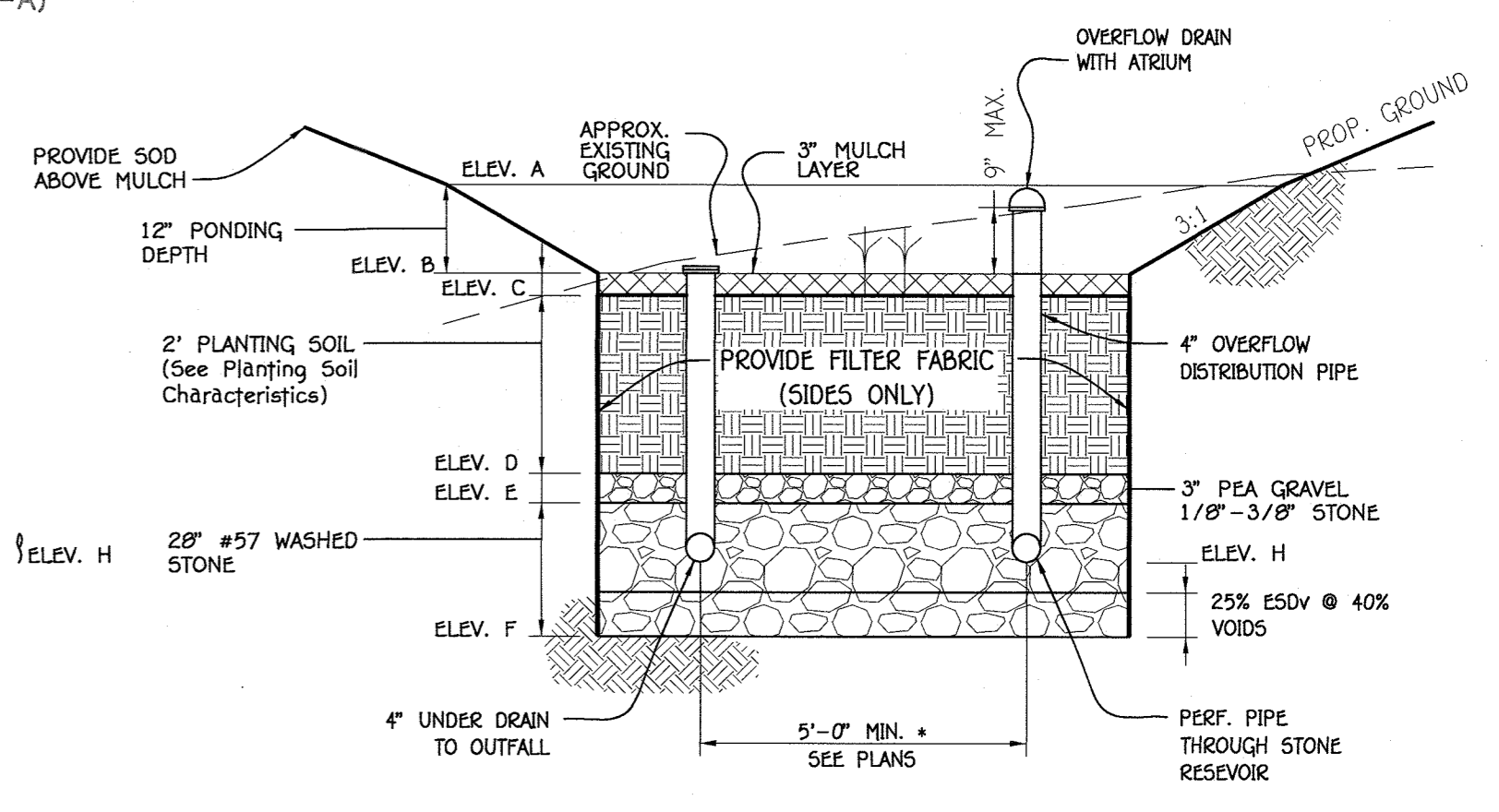
NO SCALE
(PROFILE B-B)



MICRO-BIORETENTION / BIORETENTION								
BIORETENTION FILTER	A	B	C	D	E	F	G	H
LOT 5	421.0	420.0	419.75	417.75	417.5	415.17	421.5	416.83

MICRO-BIORETENTION (OVERDRAIN) (M-6)

NO SCALE
(PROFILE A-A)

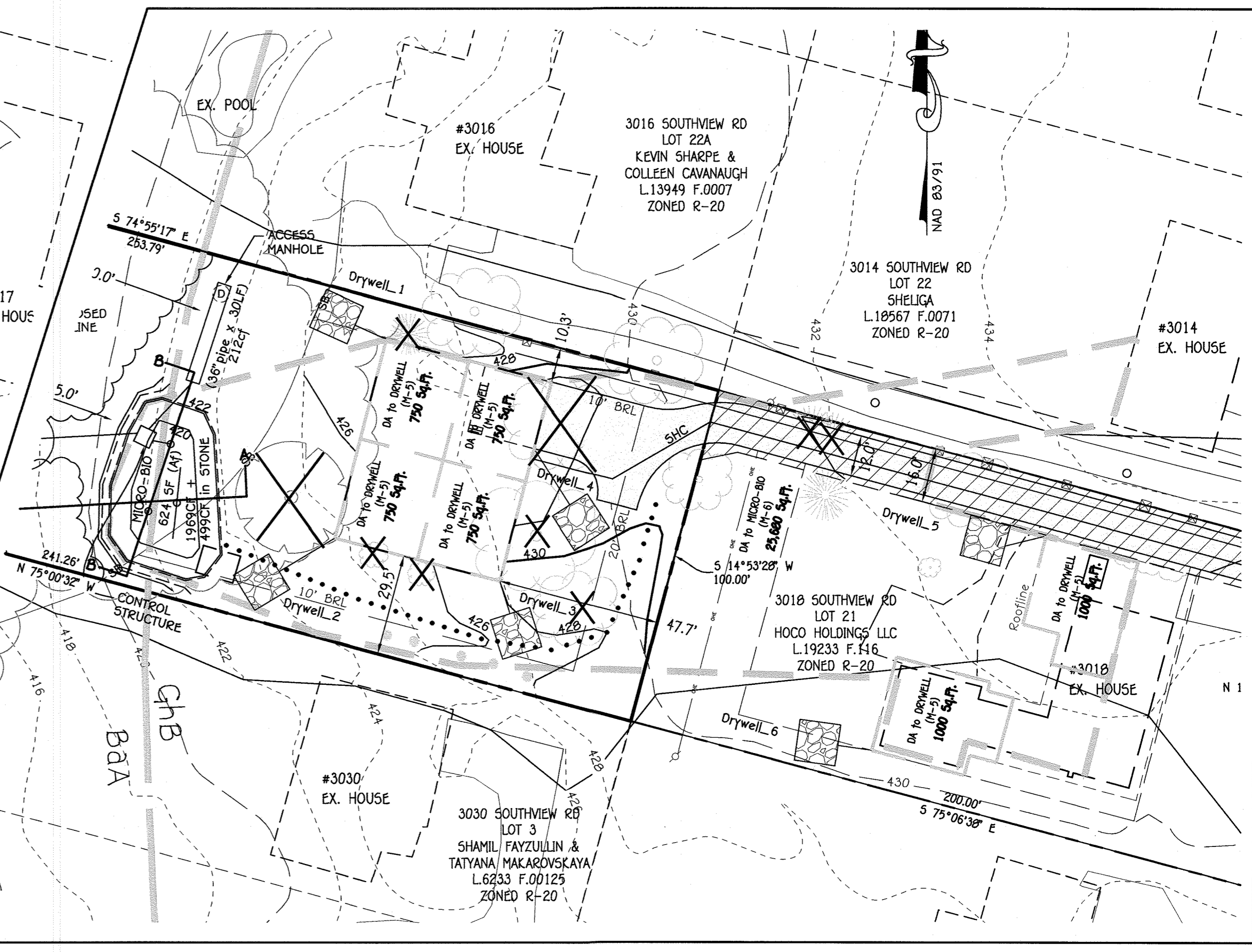


OPERATION & MAINTENANCE SCHEDULE FOR MICRO-BIORETENTION (M-6)

- THE OWNER SHALL MAINTAIN THE PLANT MATERIAL, MULCH LAYERS AND SOIL LAYERS 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 HAWKLAND STORMWATER DESIGN MANUAL VOLUME B, 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 STAGES AND WRES.
- 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.

LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	EXISTING 2' CONTOURS		PROPOSED CONTOUR
	EXISTING 10' CONTOURS		SPOT ELEVATION
	SOILS LINES AND TYPE		LIMITS OF DISTURBANCE
	EXISTING TREELINE		DRAINAGE AREA DIVIDE
	INDIVIDUAL TREES & SHRUBS		SILT FENCE
	EXISTING FENCE LINE		SUPER SILT FENCE
	PROPOSED PAVING		PERMANENT SOIL STABILIZATION MATTING
	TO BE REMOVED		STABILIZED CONSTRUCTION ENTRANCE
	FLOOD PLAIN (PER D-1156)		STREAM BANK BUFFER
	EXIST. WETLANDS		

DRAINAGE AREA MAP
SCALE: 1" = 30'



ENVIRONMENTAL CONCEPT PLAN
HOWARD HEIGHTS - LOT 21A

3018-A SOUTHVIEW ROAD
ZONED: R-20

TAX MAP NO.: 17 GRID NO.: 22 PARCEL NO.: 211
SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: A5 SHOWN DATE: JULY, 2020
SHEET 2 OF 2

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: 01/12/2022.

Stephen Smith 4/3/20
Signature of Professional Engineer DATE



Approved: Department of Planning and Zoning

Chief, Development Engineering Division
8/6/20
Date

Chief, Division of Land Development
8/6/20
Date

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENAL SQUARE OFFICE PARK - 10772 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21042
(410) 451-2299

OWNER / DEVELOPER
HOCO HOLDING, LLC
4652 SHEPPARD LANE
ELLICOTT CITY, MARYLAND 21042
410-409-0333

