

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

SOILS LEGEND				
SOIL	NAME	CLASS	K FACTOR	
UJA	Urban Land-Fallington Complex, 0 to 2 percent slope	D	.02	
UsB	Urban Land-Sassafras-Bellevue Complex, 0 to 5 percent slope	D	.37	
Soil Map Number: 19 (Savage, NE)				

MICRO-BIORETENTION PLANT MATERIAL			
MICRO-BIO QUANTITY	NAME	SIZE (HT.)	MAXIMUM SPACING (FT.)
15	Ilex virginica 'Henry's Garnet' Virginia Sweetspire	24"-30"	3.0 FT.
15	Ilex crenata 'Helleri' Japanese Holly	24"-30"	2.5 FT.

NOTE: PLANT MATERIAL MUST COVER AT LEAST 50% OF THE SURFACE AREA OF THE MICRO-BIORETENTION

STORMWATER MANAGEMENT SUMMARY			
AREA ID.	ESDV REQUIRED CU.FT.	ESDV PROVIDED CU.FT.	REMARKS
SITE	599	452	MICRO-BIORETENTION (M-6) & GRASS SWALE (M-8)
TOTAL	599	452	

GROSS AREA = 1.28 ACRES (LOTS 1 & 2)
 LOD = 0.59 ACRES
 RCN = 77
 TARGET Pe = 1.0"

MICRO-BIORETENTION / BIORETENTION									
BIORETENTION FILTER	A	B	C	D	E	F	G	H	I
1	404.00	404.00	402.00	401.75	400.25	400.00	399.50	399.00	399.17

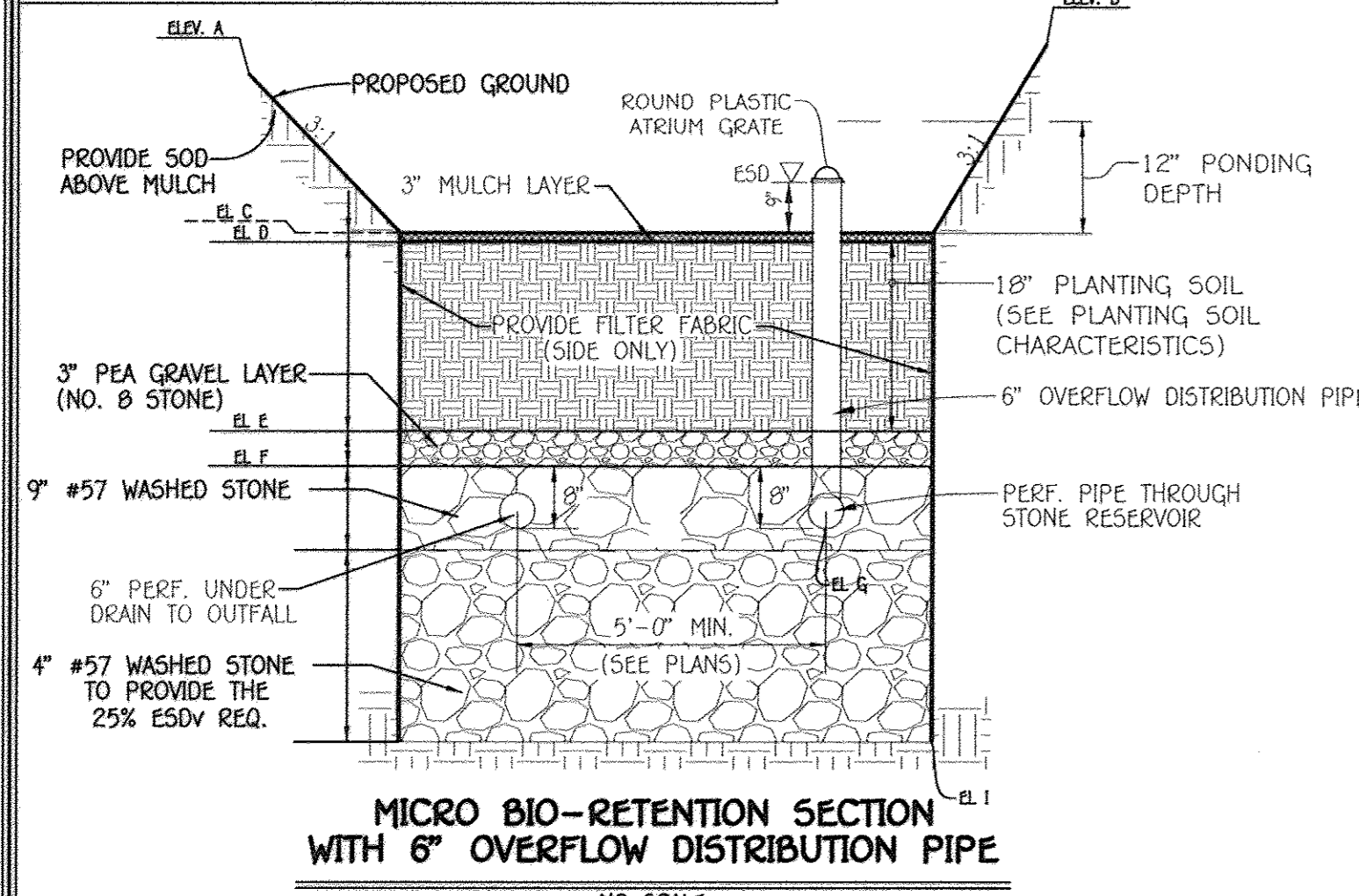
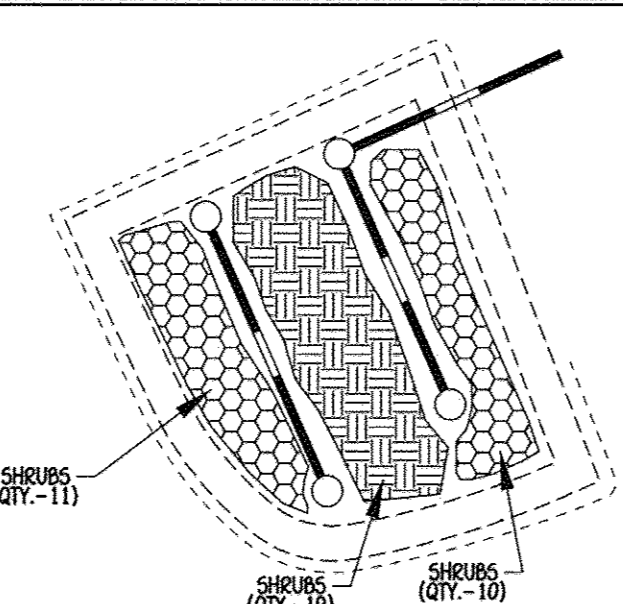


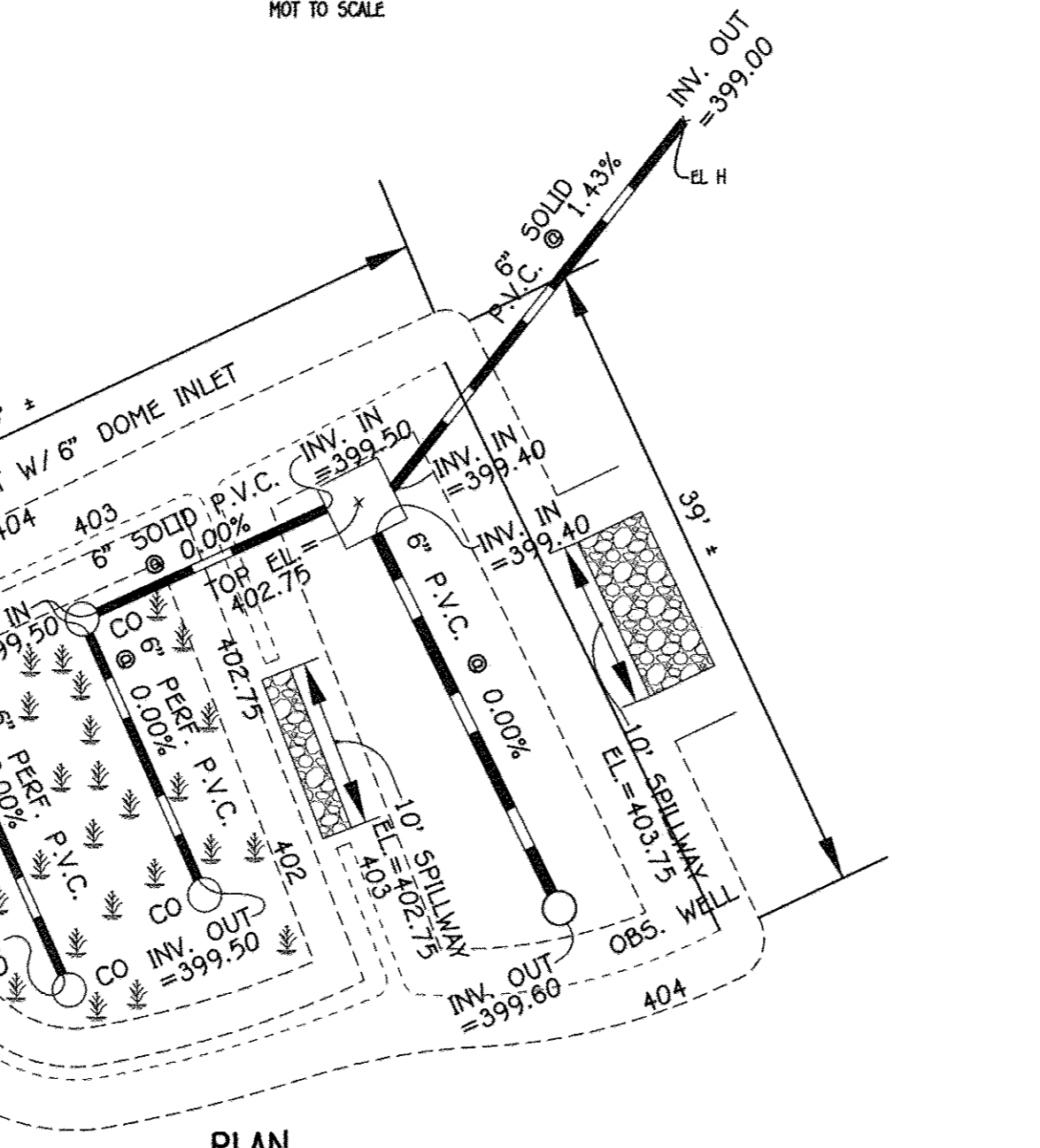
Table B.4. Materials Specifications for Micro-Bio-retention, Rain Gardens & Landscape Infiltration

Material	Specification	Size	Notes
Piping	see Appendix A, Table A.4	n/a	all items are site-specific
Piping soil (2' to 4' deep)	loamy sand 60-65% compact 35-40% or sandy loam 30% compact sand 30% compact 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	aged 6 months, minimum	
Peel gravel diaphragm	peel 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 berm)	ASHTO M-43	No. 57 or No. 89 (3/8" to 3/4")	
Underdrain piping	7.750 Type PS 20 or ASHTO H-278	4" to 6" rigid schedule 40 PVC or 50835	Slotted or perforated pipe; 3/8" part, 6" at center; 4 holes per row; minimum of 3" 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-615-60	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 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 308.6(P); vertical loading 1H-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 carbide or dolomitic sand substitutions are acceptable. No truck drier can be used for sand.

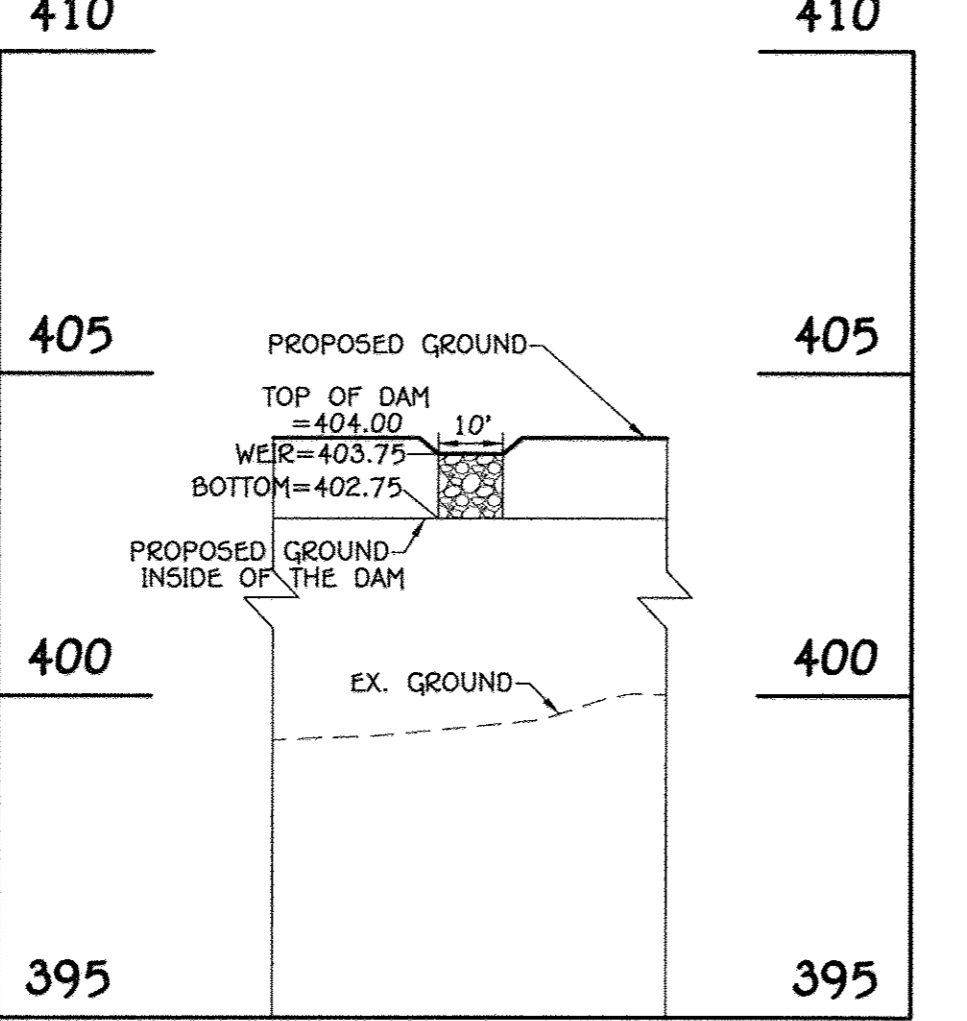
FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21042
 (410) 461 - 2890



MICRO-BIORETENTION PLANTING DETAIL
 NOT TO SCALE



PLAN SCALE: 1"=10'



MICRO BIO-RETENTION PROFILE SCALE: HOR. 1"=30' VERT. 1"=3'

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.1.1 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.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Keith Sheehy
 Chief, Division of Land Development
 10-12-17
 Date

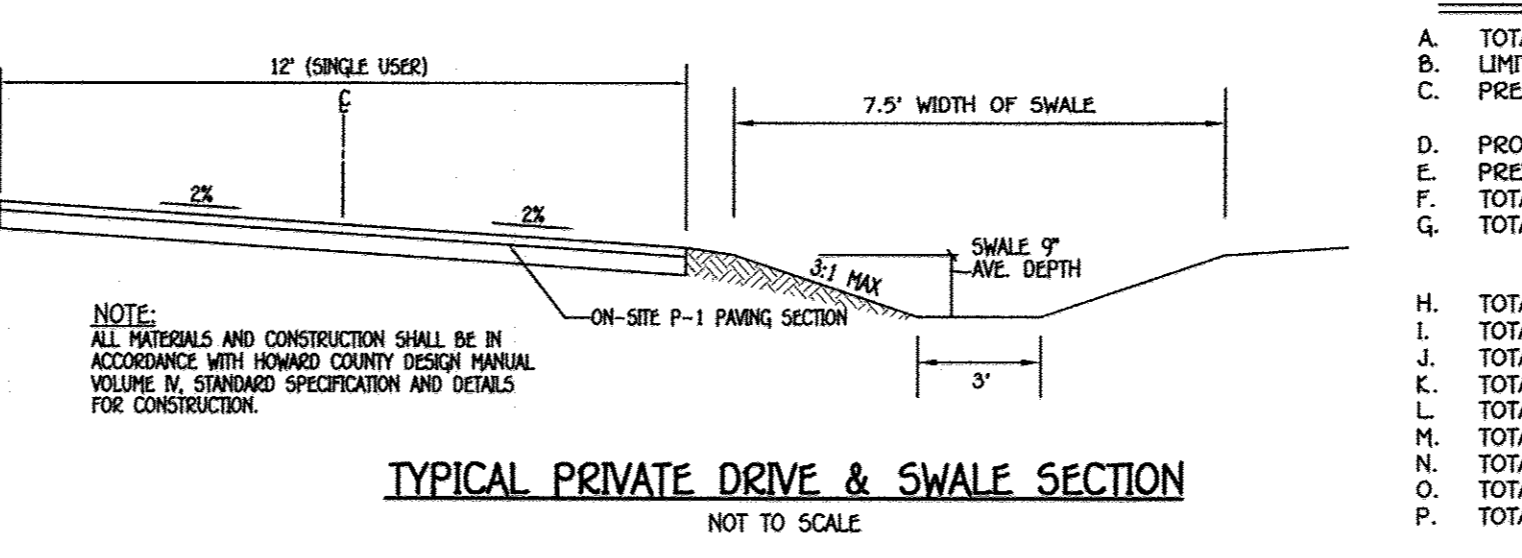
David Edman
 Chief, Development Engineering Division
 10-11-17
 Date

SUPPLEMENTAL PLAN PAGAN PROPERTY LOTS 1 AND 2

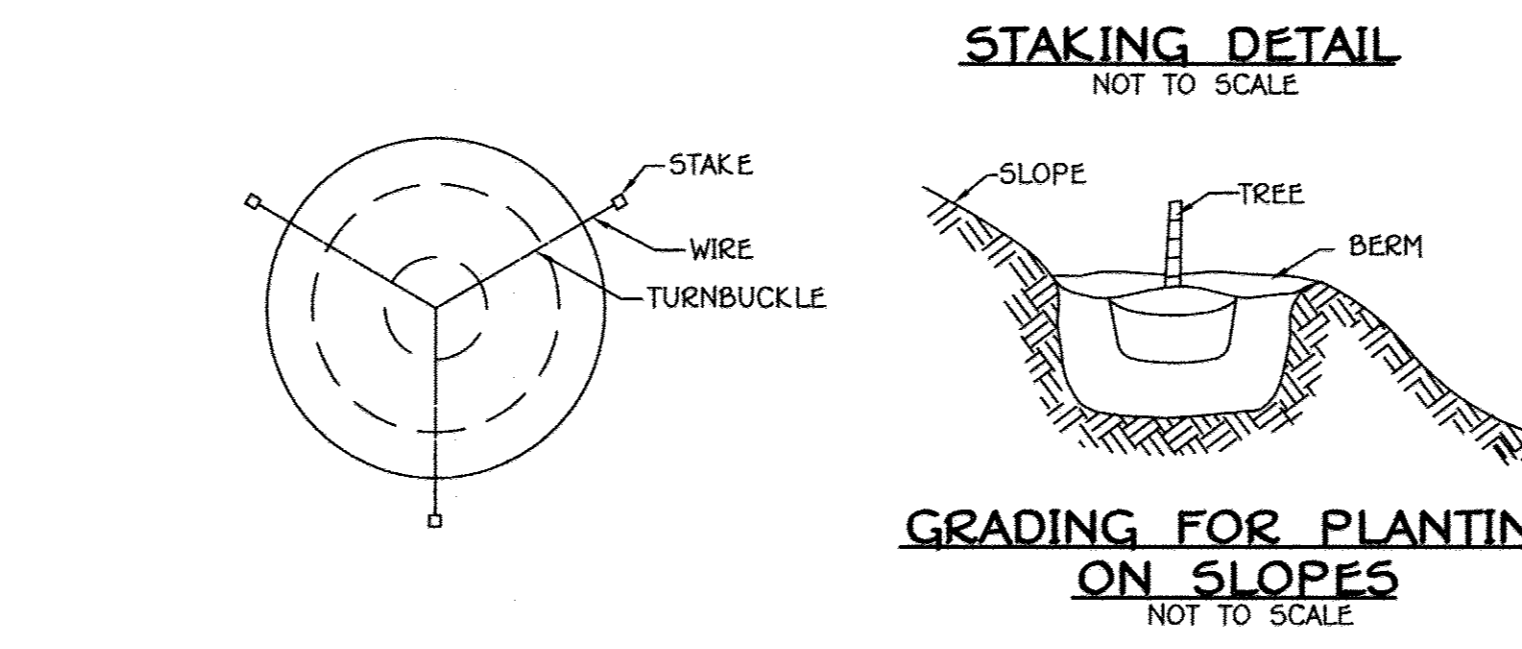
TAX MAP No. 31 GRID No. 20 PARCEL NO. 199
 FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND



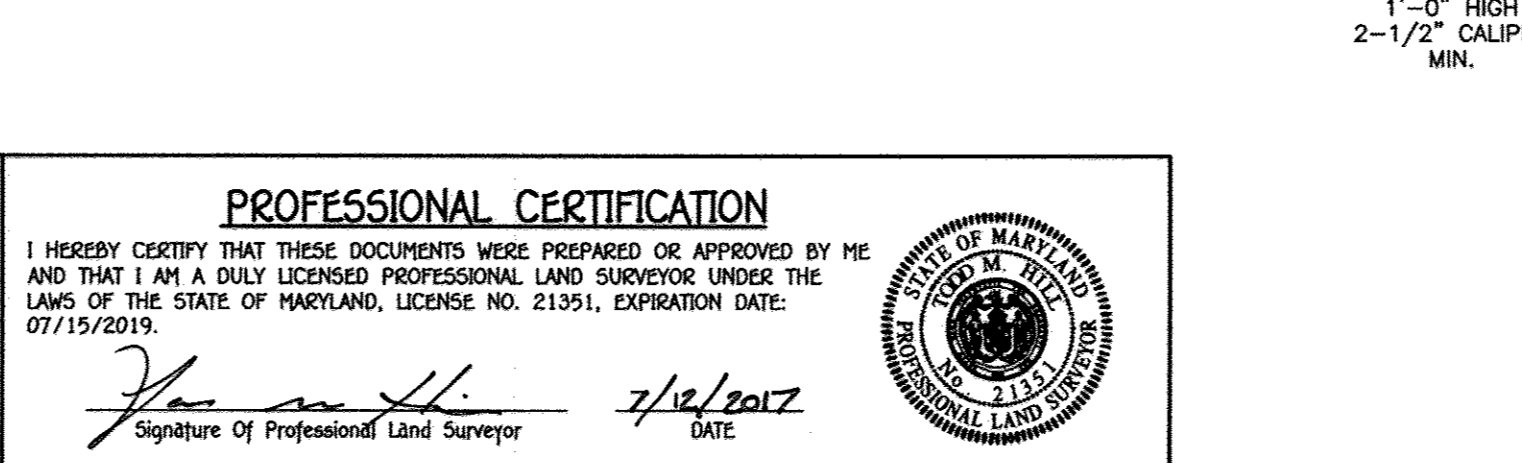
VICINITY MAP SCALE: 1" = 1200'



TYPICAL PRIVATE DRIVE & SWALE SECTION NOT TO SCALE



STAKING DETAIL NOT TO SCALE

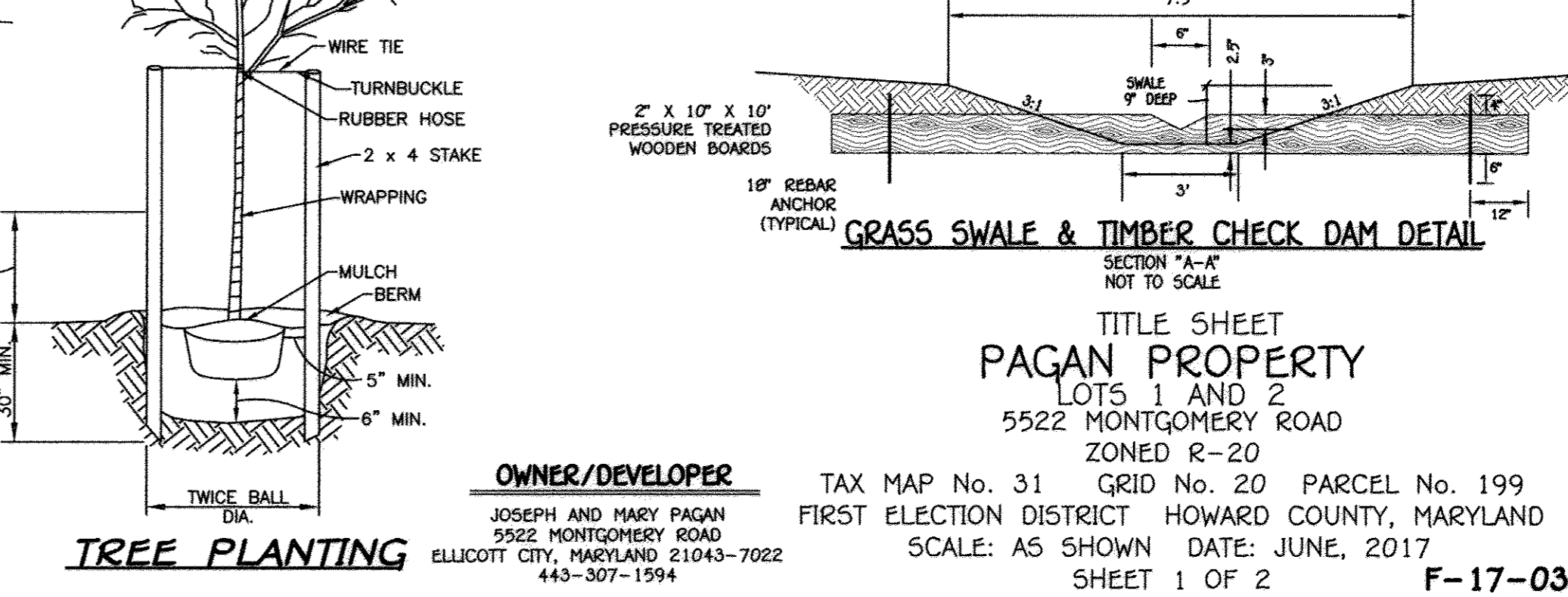


GRADING FOR PLANTING ON SLOPES NOT TO SCALE

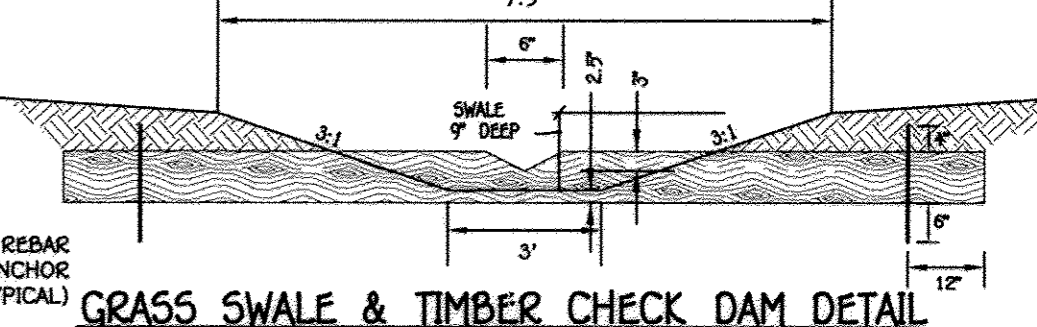
SITE ANALYSIS DATA CHART

- TOTAL AREA OF THIS SUBMISSION = 1,377 AC.
- LIMIT OF DISTURBED AREA = 25,788 SQ.FT. OR 0.59 AC.
- PRESENT ZONING DESIGNATION = R-20 (PER 10/06/2013 COMPREHENSIVE ZONING PLAN)
- PROPOSED USE: RESIDENTIAL
- PREVIOUS HOWARD COUNTY FILES: ECP-16-068
- TOTAL AREA OF FLOODPLAIN LOCATED ON-SITE = 0.00 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 BUFFERS) = 0.00 AC
- TOTAL AREA OF STREAM (INCLUDING BUFFERS) = 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 = 1,377 AC
- TOTAL GREEN OPEN AREA = 1,068 AC
- TOTAL IMPERVIOUS AREA = 0.215 AC
- TOTAL AREA OF ERODIBLE SOILS = 0.00 AC
- TOTAL AREA OF ROAD DEDICATION = 0.094 AC

- 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. 3181 And No. 3784. Sta. 3181 N 563,303.479 E 1,372,517.790 Elev. = 400.94 Sta. 3784 N 563,928.957 E 1,373,109.173 Elev. = 401.36
- This Plan Is Based On Field Run Monumented Boundary Survey Performed On Or About January, 2016 By Fisher, Collins And Carter, Inc.
- B.K.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 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 As Shown
- Distances Shown Are Based On Surface Measurement And Not Reduced To NAD 83 Grid Measurement.
- For Flag Or Pipestem Lots, Refuse Collection, Snow Removal And Road Maintenance Is To Be Provided At The Junction Of The Flag Or Pipestem And The Road Right-Of-Way And Not Onto The Flag Or Pipestem 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 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 (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-16-068.
- 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, Shed And Chain Link Fence On Lot 2 To Remain. No New Buildings, Extensions Or Additions To The Existing Dwelling Are To Be Constructed At A Distance Less Than The Zoning Requirements.
- Site Is Not Adjacent To A Scenic Road.
- A Letter Of Findings Dated July 14, 2016 Prepared By Eco-Science Professionals, Inc. Determined That There No 100 Year Floodplain, Wetlands, Stream(s) And/Or Their Buffers, And Steep Slopes On-Site.
- Plot Is Exempt From Providing Forest Conservation Obligation In Accordance With Section 16.1202(b)(1)(viii) Because This Is A Minor Subdivision That Creates One (1) New Lot And Has No Further Subdivision Potential.
- Water And Sewer Service To These Lots Will Be Granted Under The Provisions Of Section 18.122.B 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 9 Are Being Utilized.
- This Plan Is In Compliance With The Amended Fifth Edition Of The Subdivision And Land Development Regulations Per Council Bill 45-2003 And The 10/06/13 Comprehensive Zoning Plan. 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.
- Landscaping For Lots 1 And 2 Is Provided In Accordance With Section 16.124 Of The Howard County Code And The Landscaping Manual. A Landscape Surety In The Amount Of \$3,450,000 Based On 8 Shade Trees @ \$300/Shade Tree And 7 Evergreen Trees @ \$150/Evergreen Tree Will Be Completed With The SDP And Bonded With The Building/Grading Permit.
- Approval Of A Site Development Plan Is Required For The Development Of Residential Lot Within This Subdivision Prior To Issuance Of Any Grading Or Building Permits. For New House Construction In Accordance With Section 16.125 Of The Howard County Code.
- 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 Minimum Setback Requirements Have Been Met And The Shown Setback Is In Compliance With The Residential Infill Development Requirements. In Addition A Shared Use-In-Common Driveway Will Be Provided As A Connection To The Public Road.
- Open Space Requirements Are Provided By A Fee-In-Lieu Payment Of \$1,500.00.
- A Pre-Submission Community Meeting Was Conducted On June 17, 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.
- A Traffic Study Is Not Required For This Project Since This Is A Minor Subdivision.
- This Property Is Located Within The Metropolitan District And Will Be Served By Public Water And Sewer.
- Lot 1 Is Subject To Section 108.01(c) 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 Method. 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 Department Of Housing 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 Lots 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 Completed And Recorded Simultaneously With This Plat.
- Lot 2 Is Exempt From M.I.H.U. Requirements.
- An M.I.H.U. Agreement And Declaration Of Covenants Are Recorded Simultaneously With The Final Plat. This Subdivision Is In Conformance With The Latest Howard County Standards Unless Alternative Compliance Has Been Approved.
- Noise Analysis Study Dated January, 2017 Was Prepared By MARS Group. The Unmitigated 65dBA Noise Line Contour Line Drawn On This Plan Is Advisory As Required By The Howard County Design Manual, Chapter 5, Revised February, 1992 And Cannot Be Considered To Exactly Located The 65dBA Noise Exposure. The Unmitigated 65dBA Noise Contour Line Was Established By Howard County To Alert Developers, Builders And Future Residents That Areas Beyond This Threshold May Exceed Generally Accepted Noise Levels Established By The U.S. Department Of Housing And Urban Development.
- The Private Use-In-Common Driveway Access Easement And Maintenance Agreement For Shared Driveway On Lots 1 And 2 Is Recorded Simultaneously With This Plat.
- No Historic Structures Exist Within The Limits Of This Plat Submission.
- The Existing Topography Shown Herein Is Based On A Topographic Survey Performed By Fisher, Collins & Carter, Inc. In April, 2016 And Supplemented With Howard County GIS Topography At 5' Contour Interval Interpolated For 2' Contour Interval.
- 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) 313-1860 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.
- Traffic Control Devices, Markings And Signage Shall Be In Accordance With The Latest Edition Of The Manual Of Uniform Traffic Control Devices (MUTCD). All Street And Regulatory Signs Shall Be In Place Prior To The Placement Of Any Asphalt.
- Developer Reserves Unto Itself, Its Successors And Assigns, All Easements Shown On This Plan For Water, Sewer, Storm Drainage, And Other Public Utilities, Located In, On, Over And Through Lots/Parcels, Any Conveyances Of The Aforesaid Lots/Parcels Shall Be Subject To The Easements Herein Reserved, Whether Or Not Expressly Stated In The Deeds) Conveying Said Lots/Parcels. Developer Shall Execute And Deliver Deeds For The Easements Herein Reserved To/Upon Completion Of The Public Utilities And Their Acceptance By Howard County. The County Shall Accept The Easements And Record The Deeds) Of Easement In The Land Records Of Howard County.



TREE PLANTING NOT TO SCALE



GRASS SWALE & TIMBER CHECK DAM DETAIL NOT TO SCALE

TITLE SHEET
 PAGAN PROPERTY
 LOTS 1 AND 2
 5522 MONTGOMERY ROAD
 ZONED R-20
 OWNER/DEVELOPER
 JOSEPH AND MARY PAGAN
 5522 MONTGOMERY ROAD
 ELLICOTT CITY, MARYLAND 21043-7022
 443-307-1594

TAX MAP No. 31 GRID No. 20 PARCEL No. 199
 FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: AS SHOWN DATE: JUNE, 2017
 SHEET 1 OF 2 F-17-033

PIPE SCHEDULE		
SIZE	CLASS	LENGTH
6"	PVC, SCH. 40 (PERFORATED)	84'
6"	PVC, SCH. 40 (SOLID)	29'

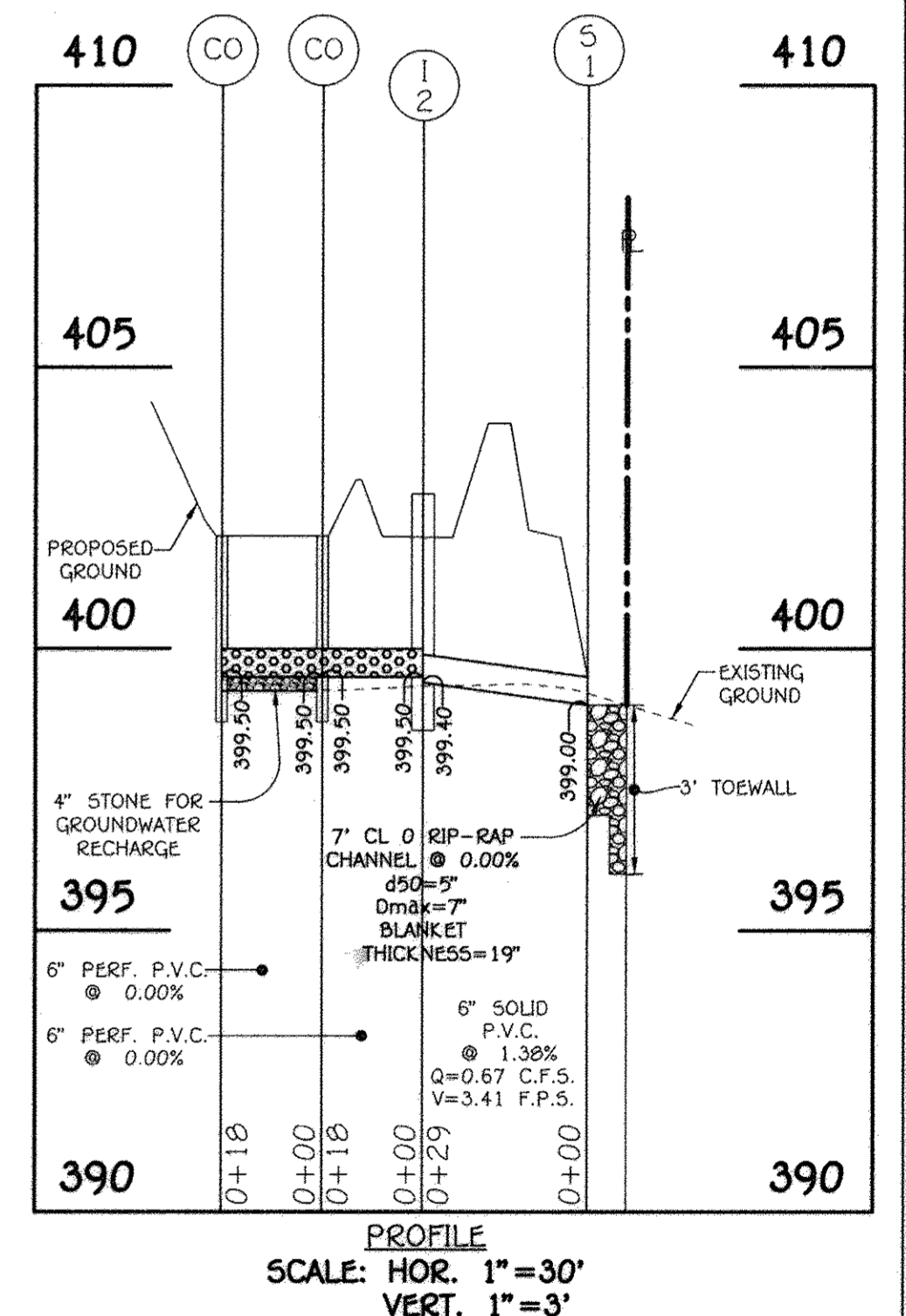
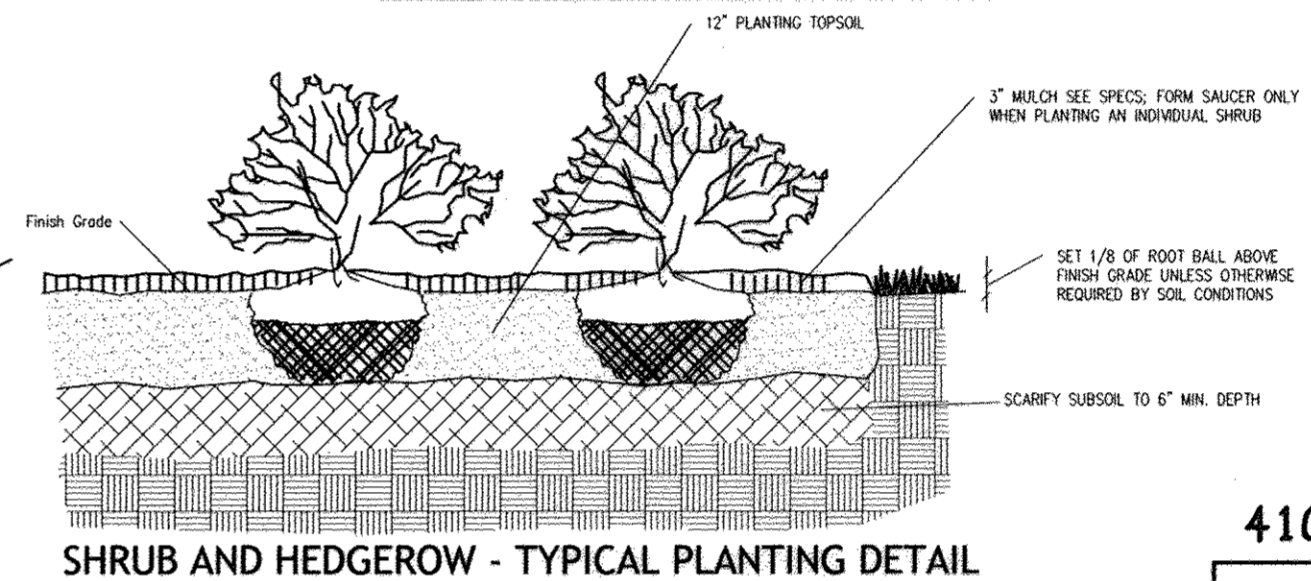
DEVELOPER'S / BUILDER'S CERTIFICATE
 I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE HOWARD COUNTY LANDSCAPE MANUAL. I/WE FURTHER CERTIFY THAT UPON COMPLETION, A LETTER OF LANDSCAPE INSTALLATION ACCOMPANIED BY AN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

NAME: *Joseph Pagan* DATE: 7/12/17

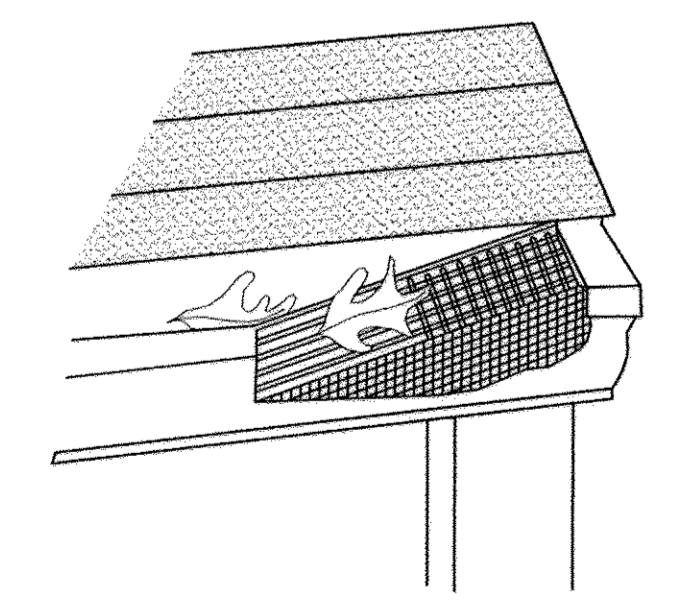
LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	EXISTING 2' CONTOURS		PROPOSED CONTOUR
	EXISTING 10' CONTOURS		SPOT ELEVATION
	SOILS LINES AND TYPE		LIMITS OF DISTURBANCE
	EXISTING TREELINE		DRAINAGE AREA DIVIDE
	INDIVIDUAL TREES & SHRUBS		SILT FENCE
	EXISTING FENCE LINE		EROSION CONTROL MATTING
	EXISTING & PROPOSED PAVING		STABILIZES CONSTRUCTION ENTRANCE
	H.P.		TO BE REMOVED OR RELOCATED

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
2	-	-	-	-
1	NO	NO	NO	YES (1)

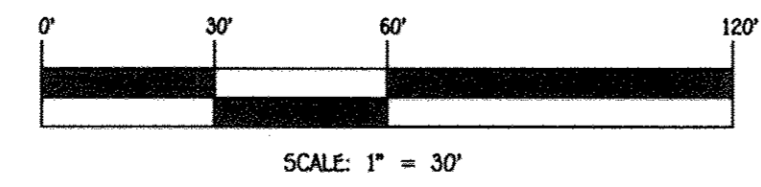
SCHEDULE A - PERIMETER LANDSCAPE EDGE				
PERIMETER CATEGORY	P-1 ADJACENT TO OPEN SPACE	P-2 ADJACENT TO PERIMETER PROPERTIES	TOTAL	
LANDSCAPE TYPE	A	B		
LINEAR FEET OF PERIMETER	87.00 L.F.	277.86 L.F.		
NUMBER OF PLANTS REQUIRED				
SHADE TREES	(87/60) = 1.5 OR 2	(280/50) = 5.6 OR 6	8	
EVERGREEN TREES	0	(280/40) = 7	7	
CREDIT FOR EXISTING VEGETATION				
SHADE TREES	0	0	0	
SMALL/MEDIUM DECIDUOUS TREES (2:1 SUBSTITUTION)	0	0	0	
NUMBER OF PLANTS PROVIDED	2	6	8	
SHADE TREES	0	7	7	
EVERGREEN TREES				



See Bio-retention Details on Sheet 1



Note: Access to the existing house must remain while new driveway is constructed. Proper maintenance of traffic will be required throughout construction.

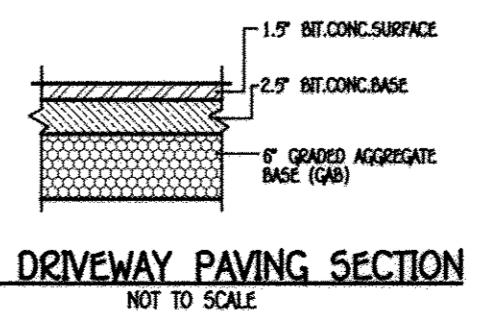


LANDSCAPING PLANT LIST				
QTY.	KEY	NAME	SIZE	
4		ACER RUBRUM 'OCTOBER GLORY' (OCTOBER RED MAPLE)	2 1/2" - 3" CALIPER FULL CROWN, B&B	
4		PRUNUS SARGENTII (SARGENT CHERRY)	2 1/2" - 3" CALIPER FULL CROWN, B&B	
3		ILEX 'NELLIE R. STEVENS' (NELLIE R. STEVENS HOLLY)	5"-6" HT. B&B	
4		THUJA STANDISHII x PLUCATA (GREEN GANT ARBOVITAE)	5"-6" HT. B&B	

TOTAL TREES: 8 SHADE TREES, 7 EVERGREEN

STRUCTURE SCHEDULE								
STRUCTURE NO.	TOP ELEVATION	INV. IN	INV. OUT	ROAD NAME/COORDINATES	ROAD STA.	OFFSET	TYPE	REMARKS
1-1	402.00	---	399.50 (6")	N 565460.21, E 1372319.94			ADS INLET - 6" DOME	ADS NYLOPLAST
1-2	402.75	399.50 (6")	399.40 (6")	N 565471.34, E 1372344.96			5" INLET	D-4.22
5-1	399.50	---	399.00 (6")	N 565493.47, E 1372364.12				MITERED TO SLOPE

6" DRAIN BASIN (TOP ELEVATION) IS TOP OF STRUCTURE BEFORE THE DOME CAP IS INSTALLED.
 5" INLET (TOP ELEVATION) IS TOP OF STRUCTURE BEFORE GRATE IS INSTALLED.



OWNER/DEVELOPER
 JOSEPH AND MARY PAGAN
 5522 MONTGOMERY ROAD
 ELLICOTT CITY, MARYLAND 21043-7022
 443-307-1594

SUPPLEMENTAL PLAN
PAGAN PROPERTY
 LOTS 1 AND 2
 5522 MONTGOMERY ROAD
 ZONED R-20
 TAX MAP No. 31 GRID No. 20 PARCEL No. 199
 FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: AS SHOWN DATE: JUNE, 2017
 SHEET 2 OF 2

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 Chief, Division of Land Development: *Vest Shulman* 10-12-17 Date
 Chief, Development Engineering Division: *W. E. H.* 10-11-17 Date

PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21351, EXPIRATION DATE: 07/15/2019.
 Signature of Professional Land Surveyor: *W. E. H.* DATE: 7/12/2017

