

SHEET INDEX	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	EXISTING CONDITIONS
3	SUPPLEMENTAL PLAN
4	NOTES AND DETAILS
5	LANDSCAPE PLAN
6	PHASE 1 GRADING AND SEDIMENT & EROSION CONTROL PLAN
7	PHASE 2 GRADING AND SEDIMENT & EROSION CONTROL PLAN
8	GRADING AND SEDIMENT & EROSION CONTROL DETAILS
9	GRADING AND SEDIMENT & EROSION CONTROL NOTES
10	TREE INVENTORY

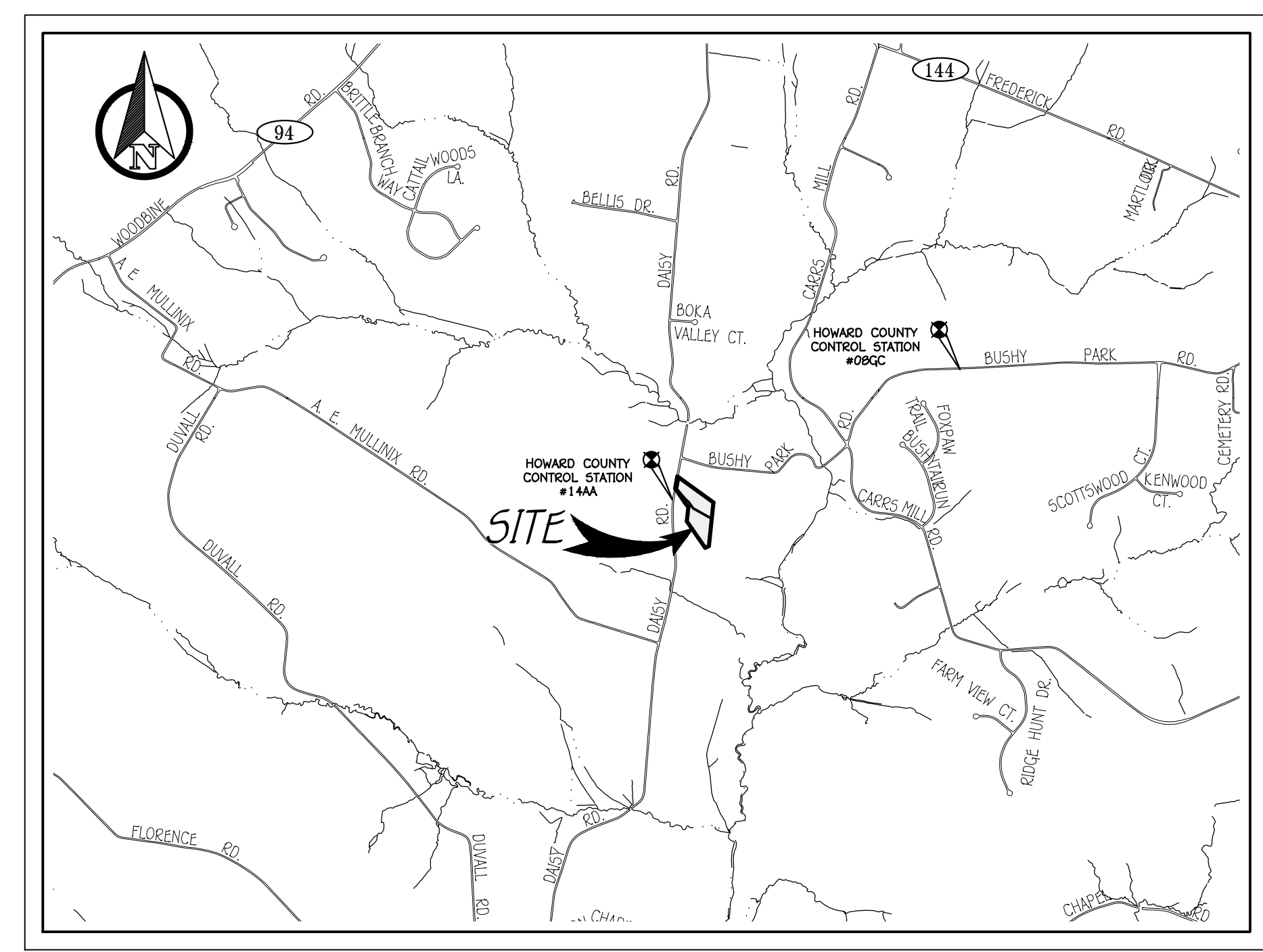
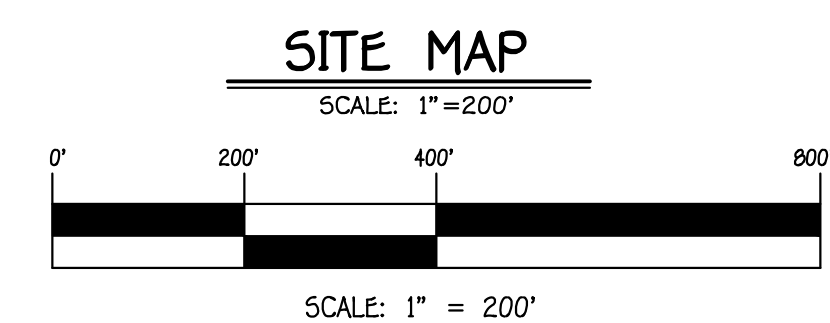
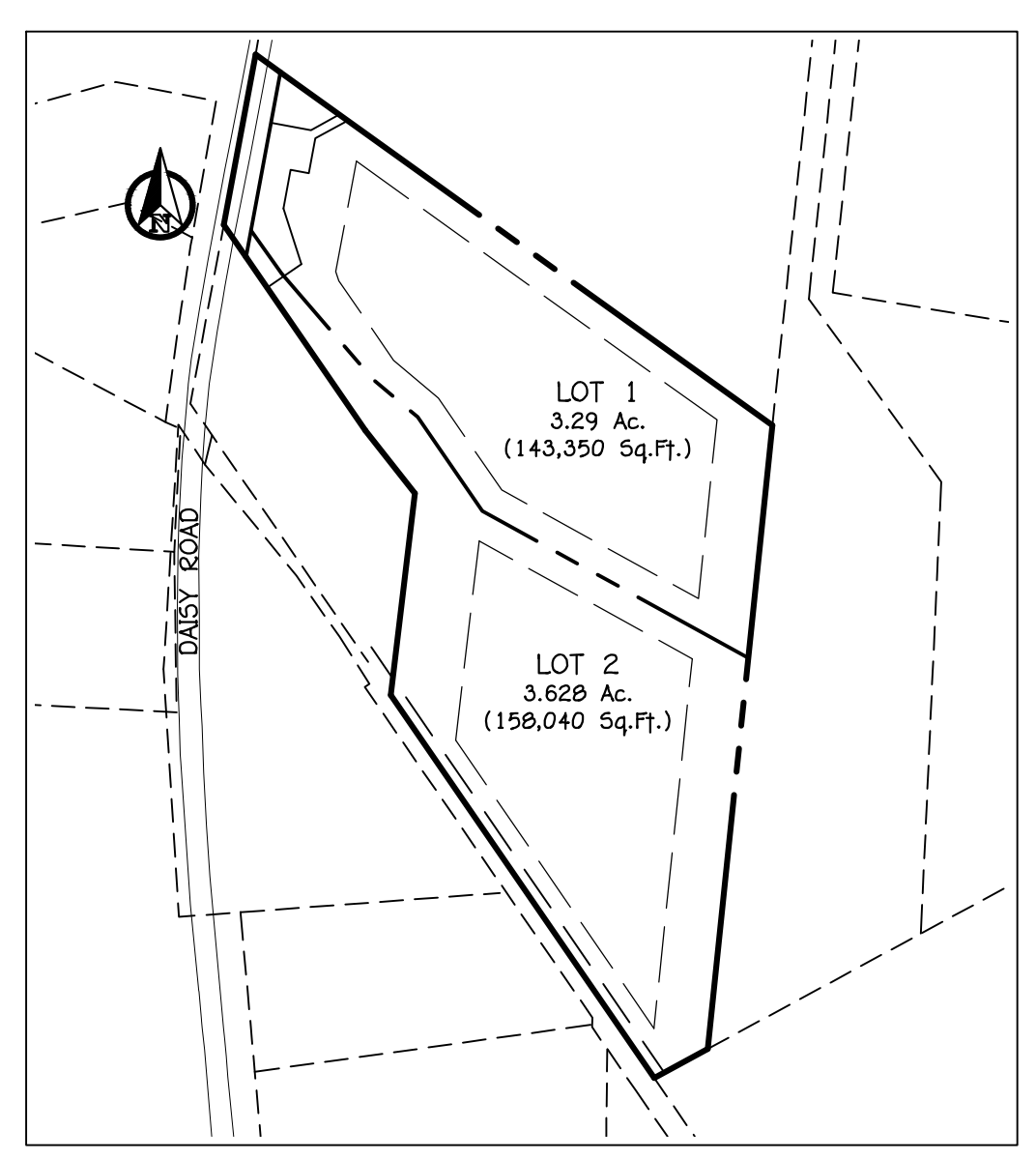
SOILS LEGEND			
SOIL	NAME	CLASS	% VALUE
GgB	Glenelg loam, 3 to 8 percent slopes	A	0.32
*LeC	Legore silt loam, 8 to 15 percent slopes, stony	C	0.64
*LmB	Legore-Montalto silt loams, 3 to 8 percent slopes	C	0.64

* DENOTES HIGHLY ERODIBLE SOILS SOILS MAP 10; WOODBINE SE QUADRANGLE

STORMWATER MANAGEMENT PRACTICE CHART						
LOT NUMBER & ADDRESS	FACILITY NAME & NUMBER	PRACTICE TYPE (QUANTITY)	PUBLIC	PRIVATE	H.O.A. MAINTAINS	MISC.
LOT 2 2143 DAISY ROAD	M-6 (1)	MICRO BIO-RETENTION	N	Y	N	
LOT 2 2143 DAISY ROAD	M-6 (2)	MICRO BIO-RETENTION	N	Y	N	
LOT 2 2143 DAISY ROAD	N-1 (1)	ROOFTOP DISCONNECTION CREDIT	N	Y	N	
LOT 2 2143 DAISY ROAD	N-2 (1)	NON-ROOFTOP DISCONNECTION CREDIT	N	Y	N	
LOT 1 2139 DAISY ROAD	M-6 (3)	MICRO BIO-RETENTION	N	Y	N	

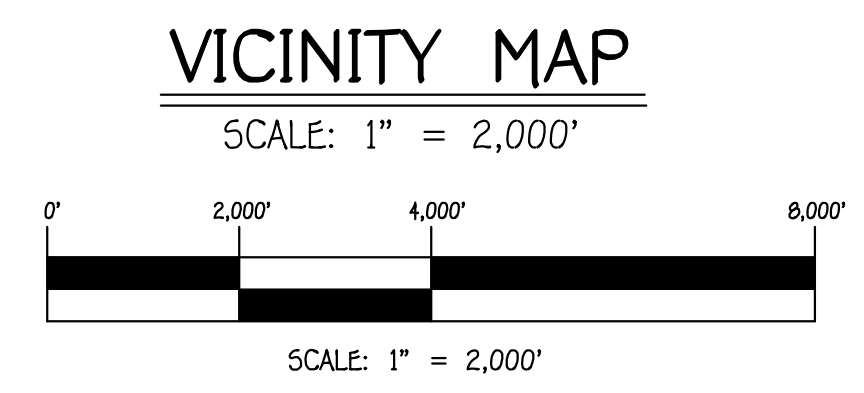
SWM PRACTICES				
LOT No.	MICRO BIO-RETENTION (M-6)	DEWELLS (M-5)	ROOFTOP DISCONNECT (N-1)	NON-ROOFTOP DISCONNECT (N-1)
2143 Daisy Road	2	0	1	1
1 2139 Daisy Road	1	0	0	0

STREET ADDRESS CHART	
LOT No.	ADDRESS
1	2139 DAISY ROAD
2	2143 DAISY ROAD



HOWARD COUNTY GEODETIC SURVEY CONTROL NO. 144A
N 599,438.266 E 1,294,825.983
ELEVATION: 554.917

HOWARD COUNTY GEODETIC SURVEY CONTROL NO. 08GC
N 601,441.396 E 1,299,254.081
ELEVATION: 566.465



SUPPLEMENTAL PLAN JAMISON PROPERTY

2139 DAISY ROAD

LOTS 1, 2 AND NON-BUILDABLE PARCEL 'A'

ZONING: RC-DEO (RURAL CONSERVATION DISTRICT)

TAX MAP No. 14 GRID No. 01 PARCEL No. 157

FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

- ### GENERAL NOTES
- THE SUBJECT PROPERTY IS ZONED RC-DEO (PER 10/06/13 COMPREHENSIVE ZONING PLAN).
 - THIS PROJECT IS SUBJECT TO THE AMENDED FIFTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS.
 - THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION DIVISION AT 410-313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
 - THE CONTRACTOR SHALL NOTIFY (P&S 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 SURVEY PERFORMED BY FISHER, COLLINS & CARTER, INC. DATED APRIL, 2020.
 - TOPOGRAPHY SHOWN HEREON IS BASED ON A FIELD RUN TOPOGRAPHIC SURVEY PERFORMED BY FISHER, COLLINS, & CARTER IN APRIL, 2020, AND SUPPLEMENTED BY AERIAL TOPOGRAPHY.
 - 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. 144A AND 08GC WERE USED FOR THIS PROJECT.
 - PREVIOUS DPZ FILE NUMBERS: ECP-21-056
 - A PRE-SUBMISSION MEETING WAS HELD VIRTUALLY ON MAY 18, 2021 AT 6:00 PM.
 - THIS PROJECT IS SUBJECT TO THE FOLLOWING CONDITIONS OF WP-21-111:
 - THE ALTERNATIVE COMPLIANCE PETITION WILL REMAIN VALID AS LONG AS THE HOWARD COUNTY STATE OF EMERGENCY IS IN EFFECT.
 - THE PETITIONER MUST COMPLY WITH THE DEPARTMENT OF PLANNING AND ZONING'S VIRTUAL PRE-SUBMISSION MEETING GUIDELINES FOR APPLYING AND HOSTING A VIRTUAL PUBLIC MEETING.
 - STORM WATER MANAGEMENT IS IN ACCORDANCE WITH THE M.D.E. STORM WATER DESIGN MANUAL, VOLUMES 1 & 2, REVISED 2009. N-1 ROOFTOP DISCONNECTION, N-2 NON-ROOFTOP DISCONNECTION, AND M-6 MICRO BIORETENTION FACILITIES ARE BEING UTILIZED ON THIS PROJECT.
 - ON LOT STORMWATER MANAGEMENT FACILITIES ARE OWNED AND MAINTAINED BY THE INDIVIDUAL LOT OWNER.
 - THIS PROPERTY IS LOCATED OUTSIDE THE METROPOLITAN DISTRICT. LOTS TO BE SERVED BY PRIVATE WELL & SEPTIC SYSTEMS.
 - ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
 - NO GRADING, REMOVAL OF VEGETATIVE COVER OR TREES, PAVING AND NEW STRUCTURES SHALL BE PERMITTED WITHIN THE REQUIRED WETLANDS, STREAMS(S) OR THEIR BUFFERS, FOREST CONSERVATION EASEMENT AREAS AND 100 YEAR FLOODPLAIN.
 - THE SITE IS NOT LOCATED WITHIN A HISTORIC DISTRICT.
 - TO THE BEST OF OUR KNOWLEDGE AND BELIEF THERE ARE NO CELESTIAL OBJECTS ON THIS PROPERTY BY BOTH VISUAL OBSERVATION AND REVIEW OF AVAILABLE HOWARD COUNTY INFORMATION.
 - THERE IS NO 100-YEAR FLOODPLAIN LOCATED ON THIS PROPERTY.
 - WETLAND AND FOREST PRESERVATION DELINEATION PREPARED BY ECO-SCIENCE PROFESSIONALS, INC. WAS APPROVED MARCH 7, 2022.
 - THIS PROJECT IS EXEMPT FROM FOREST CONSERVATION BASED ON SECTION 16.122(B)(1)(IV) OF HOWARD COUNTY CODE SINCE IT IS A MINOR SUBDIVISION THAT CREATES ONE (1) ADDITIONAL LOT AND HAS NO FURTHER SUBDIVISION POTENTIAL.
 - THIS PROJECT IS LOCATED ALONG A SCENIC ROAD AND WAS APPROVED BY PLANNING BOARD ON MAY 4, 2022 IN ACCORDANCE WITH SUBDIVISION AND LAND DEVELOPMENT REGULATIONS SECTION 16.125(C), WITH THE FOLLOWING CONDITION:
 - ACCESS TO THE SITE SHALL BE PROVIDED BY A SINGLE USE-IN-COMMON DRIVEWAY LOCATED ALONG THE FRONTAGE OF DAISY ROAD, WHICH MEETS THE MINIMUM SAFE STOPPING DISTANCE AND INTERSECTION SIGHT DISTANCE.
 - SOILS SHOWN HEREON ARE BASED ON THE NCS WESSON SURVEY AND HOWARD COUNTY MAP #5.
 - IN ACCORDANCE WITH SECTION 16.18.1.B OF THE PROPERTY OWNER SHALL NOT BE REQUIRED TO CONSTRUCT OR PROVIDE FOR CONSTRUCTION OF IMPROVEMENTS TO COUNTY MAINTAINED SCENIC ROADS. THE SIGHT DISTANCE EVALUATION DOES NOT REQUIRE GRADING TO ACHIEVE SAFE STOPPING DISTANCE. IN ACCORDANCE WITH SECTION 16.18.1.D(4) NO SIDEWALKS ARE REQUIRED WHEN (3) SIDEWALKS WOULD BE DETRIMENTAL TO THE CHARACTER OF A SCENIC ROAD AND ARE NOT NEEDED TO SERVE SCHOOL, SHOPPING OR ACTIVE RECREATION AREAS.
 - FLAG AND PIPESTEM LOTS, REFUSE COLLECTION, SIGN REMOVAL AND ROAD MAINTENANCE AREA PROVIDED TO THE JUNCTION OF THE FLAG OR PIPESTEM AND ROAD RIGHT-OF-WAY LINE AND NOT ONTO THE PIPESTEM LOT DRIVEWAY.
 - THE PERIMETER, LANDSCAPE OBLIGATION IS PROVIDED IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL. A LANDSCAPE SURETY IN THE AMOUNT OF \$3,500.00 BASED ON (13) SHADE TREES @ \$300/SHADE TREE SHALL BE BONDED AS PART OF THE GRADING PERMIT.
 - DRIVEWAYS SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
 - WIDTH - 12 FEET (16 FEET SERVING MORE THAN ONE RESIDENCE);
 - 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;
 - STRUCTURES (CULVERTS/BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS (H2S-LOADING);
 - DRAINAGE ELEMENTS - CAPABLE OF SAFETY PASSING 100 YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER SURFACE.
 - STRUCTURE CLEARANCES - MINIMUM 12 FEET.
 - MAINTENANCE - SUFFICIENT TO ENSURE ALL WEATHER USE.
 - SUBDIVISION IS SUBJECT TO SECTION 10A.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 WILL BE RECORDED SIMULTANEOUSLY WITH THE 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%) = 01 M.I.H.U.
 - M.I.H.U. PROPOSED = DEVELOPER WILL PROVIDE A FEE-IN-LIEU TO THE HOWARD COUNTY HOUSING DEPARTMENT FOR THE UNITS REQUIRED BY THE DEVELOPMENT. (\$322 PER SQ.FT. OF RESIDENTIAL SPACE FOR EACH UNIT IN THE DEVELOPMENT.
 - A SPEED STUDY WAS PERFORMED BY MARS GROUP FEBRUARY, 2022.
 - PROPERTY IS A MINOR SUBDIVISION AND IS EXEMPT FROM APPO TRAFFIC REPORT IN ACCORDANCE WITH SECTION 17.8.5 OF THE HOWARD COUNTY DESIGN MANUAL, VOLUME II - ROADS AND BRIDGES. TO SUPPORT THIS EXEMPTION, AN APPO STUDY AFFIDAVIT HAS BEEN SUBMITTED AND APPROVED ON SEPTEMBER 2, 2022.
 - THERE IS AN EXISTING DWELLING/STRUCTURE(S) LOCATED ON LOT 1 TO REMAIN. NO NEW BUILDINGS, EXTENSIONS OR ADDITIONS TO THE EXISTING DWELLING ARE TO BE CONSTRUCTED AT A DISTANCE LESS THAN THE ZONING REGULATION REQUIREMENTS.
 - LAND DEDICATED TO HOWARD COUNTY, MARYLAND FOR PURPOSES OF A PUBLIC ROAD (0.13 ACRES)
 - THIS PROPERTY IS LOCATED OUTSIDE OF THE METROPOLITAN DISTRICT. LOTS TO BE SERVED BY PRIVATE WELL AND SEPTIC SYSTEMS.
 - OPEN SPACE REQUIREMENTS WILL BE MET FOR THIS PROJECT BY PAYMENT OF A FEE-IN-LIEU OF \$1,500.00 FOR LOT 2.
 - THIS AREA DESIGNATES A PRIVATE SEWERAGE DISPOSAL AREA 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. RECORDED OF A MODIFIED EASEMENT SHALL NOT BE NECESSARY.
 - THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
 - ALL WELLS HAVE BEEN DRILLED PRIOR TO FINAL PLAT RECORDED.
 - NO NOISE STUDY IS REQUIRED BECAUSE THE PROJECT DOES NOT FALL WITHIN THE GUIDELINES OF DESIGN MANUAL, VOLUME II - ROADS AND BRIDGES, SECTION 5.2.2.F.
 - ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
 - TRAFFIC CONTROL DEVICES, MARKINGS, AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MARYLAND MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.
 - ALL SIGN POSTS USED FOR TRAFFIC CONTROL SIGNS INSTALLED IN THE COUNTY RIGHT-OF-WAY SHALL BE MOUNTED ON A 2" GALVANIZED STEEL, PERFORATED, SQUARE TUBE POST (14 GAUGE) INSERTED INTO A 2 1/2" GALVANIZED STEEL, PERFORATED, SQUARE TUBE SLEEVE (12 GAUGE) 3' LONG. A GALVANIZED STEEL POLE CAP SHALL BE MOUNTED ON TOP OF EACH POST.
 - EXISTING UTILITIES ARE BASED ON A FIELD SURVEY CONDUCTED BY FISHER, COLLINS, & CARTER DATED MARCH, 2020.
 - THIS PROJECT IS SUBJECT TO THE FOLLOWING CONDITIONS OF WP-21-111:
 - THE ALTERNATIVE COMPLIANCE PETITION WILL REMAIN VALID AS LONG AS THE HOWARD COUNTY STATE OF EMERGENCY IS IN EFFECT.
 - THE PETITIONERS MUST COMPLY WITH THE DEPARTMENT OF PLANNING AND ZONING'S VIRTUAL PRE-SUBMISSION MEETING GUIDELINES FOR APPLYING AND HOSTING A VIRTUAL PUBLIC MEETING.
 - THIS PROJECT IS SUBJECT TO A DESIGN MANUAL WAVE FOR DESIGN MANUAL VOLUME II, ROADS AND BRIDGES, SECTION 2.5.9, TO ALLOW THE SINGLE USE OF STOPPING SIGHT DISTANCE INSTEAD OF INTERSECTION SIGHT DISTANCE APPROVED ON 5/19/2022. THE APPROVAL OF THIS WAVE MEETS PLANNING BOARD REQUIREMENTS DEMONSTRATING THAT ADEQUATE SIGHT DISTANCE IS ACHIEVED.
 - THIS PROJECT IS SUBJECT TO THE CONDITIONS OF WP-23-067:
 - THROUGH THE ALTERNATIVE DEED PROCESS, TAX MAP 14, PARCELS 126 AND 157 SHALL BE RECONFIGURED AS SHOWN ON THE A24 BOUNDARY EXHIBIT B SUBMITTED WITH WP-23-067; NO NEW LOTS OR PARCELS ARE TO BE CREATED OR ENDORSED UNDER THIS APPROVAL.
 - THE APPLICANT MUST RECORD THE NEW DEED OR RECONFIGURATION IN THE LAND RECORDS OFFICE OF HOWARD COUNTY, MD WITHIN 90 DAYS OF THE DATE OF ALTERNATIVE COMPLIANCE APPROVAL (ON OR BEFORE MAY 23, 2023). A COPY OF THE RECORDED DEED SHALL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING FOR FILE RETENTION WITHIN 30 DAYS OF THE RECORDED.

M.I.H.U. Note: This Subdivision Will Create Two (2) New Lots. Both lots will be subject to payment of a M.I.H.U. fee-in-lieu. Fee-in-lieu for lot 1 will be paid 1/2 when the existing house is demolished.

REVISIONS		
NO.	DESCRIPTION	DATE

Approved: Howard County Department Of Planning And Zoning

Chief, Development Engineering Division: *CHD Edmondson* 10/3/2023

Chief, Division Of Land Development: _____ Date: 10/5/2023

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21042
(410) 461 - 2995

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT.

COUNTY HEALTH OFFICER _____ 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. 21476, EXPIRATION DATE: 7/14/25.

Frank Manlauran II 10/3/2023

FRANK JOHN MANLAURAN II _____ DATE _____

OWNER/DEVELOPER

ANDREW JAMISON AND ZUGELL JAMISON
13450 FORSYTHE ROAD
SYKESVILLE, MARYLAND 21784
410-740-1200

TITLE SHEET
JAMISON PROPERTY
2139 DAISY ROAD
L.19196 F.146
ZONING: RC-DEO
TAX MAP 14, GRID 01, PARCEL 157
FOURTH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN SEPTEMBER, 2023
SHEET 1 OF 10

SOILS LEGEND			
SOIL	NAME	CLASS	K ² VALUE
GgB	Glenelg loam, 3 to 8 percent slopes	A	0.32
LeC	Legore silt loam, 0 to 15 percent slopes, stony	C	0.64
LmB	Legore-Montalto silt loams, 3 to 8 percent slopes	C	0.64

* DENOTES HIGHLY ERODIBLE SOILS SOILS MAP 10; WOODBINE SE QUADRANGLE

Specimen Tree Chart

Key (X#)	Species	Size (in.dbh)	CRZ (feet radius)	Condition (good unless otherwise noted)	CRZ DISTURBANCE	STATE CHAMPION DIAMETER	
1 (LOT 1)	Norway maple	33.5	50.25	GOOD	25%	66.6"	TO REMAIN
2 (LOT 1)	Silver maple	46	69	GOOD	0%	93.9"	TO REMAIN
3 (LOT 1)	Red Maple	38	57	POOR, HEAVILY TRIMMED FOR WIRES	0%	86.9"	TO REMAIN
4 (LOT 1)	Black Cherry	33	49.5	VERY POOR, TRUNK ROT	0%	64"	TO REMAIN

NOTE: NO STRUCTURES ARE PROPOSED TO BE REMOVED



LEGEND	
SYMBOL	DESCRIPTION
---	EXISTING CONTOUR 2' INTERVAL
---	EXISTING CONTOUR 10' INTERVAL
---	PROPOSED CONTOUR 10' INTERVAL
---	PROPOSED CONTOUR 2' INTERVAL
448.5	SPOT ELEVATION
1" SD	EXISTING STORM DRAIN
1" SD	PROPOSED STORM DRAIN PIPE
---	EXISTING CABLE LINE
---	EXISTING GAS LINE
---	EXISTING OVERHEAD WIRE
---	PLANTING ZONES
---	EXISTING SWALE CENTERLINE
---	PROPOSED PAVING
---	PORTION OF EXISTING DRIVEWAY TO BE REMOVED
---	PORTION OF EXISTING DRIVEWAY TO REMAIN
---	USE-IN-COMMON, ACCESS, SWM, & UTILITY EASEMENT
---	LIMIT OF DISTURBANCE
---	SUPER SILT FENCE
---	SILT FENCE
---	EXISTING TREE LINE
---	PROPOSED TREE LINE
GgB, GgC	SOIL LINES AND TYPES
---	EROSION CONTROL MATTING/ PERMANENT SOIL STABILIZATION MATTING
---	BIO RETENTION FACILITY (F-6) OR (M-6) AS NOTED
---	OVERDRAIN
---	UNDERDRAIN
---	PROPOSED ROOF LEADER
---	NON-ROOFTOP DISCONNECTION CREDIT (N-2)
---	DRAINAGE AREA
---	DENOTES EXISTING TREES TO BE REMOVED
---	DENOTES EXISTING TREES TO REMAIN
---	CRITICAL ROOT ZONE
---	TREE PROTECTION FENCING
---	DENOTES SPECIMEN TREE
---	DENOTES 15%-24.9% SLOPES

DESIGN CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN DESIGNED IN ACCORDANCE WITH CURRENT MARYLAND EROSION AND SEDIMENT CONTROL LAWS, REGULATIONS, AND STANDARDS, THAT IT REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE, AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
 Frank Manalansan II 10/2/2023

SIGNATURE OF LICENSED PROFESSIONAL DATE
 FRANK JOHN MANALANSAN II MD REGISTRATION No. 21476 R.L.S.

OWNERS/DEVELOPER'S CERTIFICATE

I/WE HEREBY CERTIFY THAT ANY CLEARING, GRADING, CONSTRUCTION, OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS APPROVED EROSION AND SEDIMENT CONTROL PLAN, INCLUDING INSPECTING AND MAINTAINING CONTROLS, AND THAT THE RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF TRAINING AT A MARYLAND DEPARTMENT OF THE ENVIRONMENT (MDE) APPROVED TRAINING PROGRAM FOR THE CONTROL ON EROSION AND SEDIMENT PRIOR TO BEGINNING THE PROJECT. I CERTIFY RIGHT-OF-ENTRY FOR PERIODIC ON-SITE EVALUATION BY HOWARD COUNTY IN THE HOWARD SOIL CONSERVATION DISTRICT AND/OR MDE.
 9/30/2023

SIGNATURE OF DEVELOPER DATE

PROFESSIONAL CERTIFICATION

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Frank Manalansan II 10/2/2023
 FRANK JOHN MANALANSAN II DATE

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 13450 FORSYTHE ROAD
 SYKESVILLE, MARYLAND 21784
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EXISTING CONDITIONS PLAN
JAMISON PROPERTY
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 FOURTH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
 SCALE: AS SHOWN SEPTEMBER, 2023
 SHEET 2 OF 10



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* DENOTES HIGHLY ERODIBLE SOILS

SOILS MAP 10; WOODBINE SE QUADRANGLE

MIRCO-BIORETENTION INFO CHART					
Description	BMP	DA to BMP	Top El.	Bot. El.	Area (Bottom)
Micro-Bio #1	M-6	6,380 Sq.Ft.	570.0	569.0	429 Sq.Ft.
Micro-Bio #2	M-6	26,993 Sq.Ft.	556.0	555.0	371 Sq.Ft.
Micro-Bio #3	M-6	9,480 Sq.Ft.	532.0	531.0	255 Sq.Ft.

Specimen Tree Chart

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---	EXISTING GAS LINE
---	EXISTING OVERHEAD WIRE
---	BCE PLANTING ZONES
---	EXISTING SWALE CENTERLINE
---	PROPOSED PAVING
---	PORTION OF EXISTING DRIVEWAY TO REMAIN
---	LDD
---	LIMIT OF DISTURBANCE
---	SSF
---	SUPER SILT FENCE
---	SILT FENCE
---	EXISTING TREE LINE
---	PROPOSED TREE LINE
GgB	SOIL LINES AND TYPES
---	EROSION CONTROL MATTING/ PERMANENT SOIL STABILIZATION MATTING
---	RD RETENTION FACILITY (F-6) OR (M-6) AS NOTED
---	OVERDRAIN
---	UNDERDRAIN
---	PROPOSED ROOF LEADER
---	NON-ROOFTOP DISCONNECTION CREDIT (N-2)
---	DRAINAGE AREA
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FRANK JOHN MANALANSAN II
 SIGNATURE OF LICENSED PROFESSIONAL DATE 10/2/2023
 MD REGISTRATION No. 21476 R.L.S.

OWNERS/DEVELOPER'S CERTIFICATE

I/WE HEREBY CERTIFY THAT ANY CLEARING, GRADING, CONSTRUCTION, OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS APPROVED EROSION AND SEDIMENT CONTROL PLAN, INCLUDING INSPECTING AND MAINTAINING CONTROLS, AND THAT THE RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF TRAINING AT A MARYLAND DEPARTMENT OF THE ENVIRONMENT (MDE) APPROVED TRAINING PROGRAM FOR THE CONTROL OF EROSION AND SEDIMENT PRIOR TO BEGINNING THE PROJECT. I CERTIFY RIGHT-OF-ENTRY FOR PERIODIC ON-SITE EVALUATION BY HOWARD COUNTY, THE HOWARD SOIL CONSERVATION DISTRICT AND/OR MDE.

FRANK JOHN MANALANSAN II
 SIGNATURE OF DEVELOPER DATE 9/30/2023



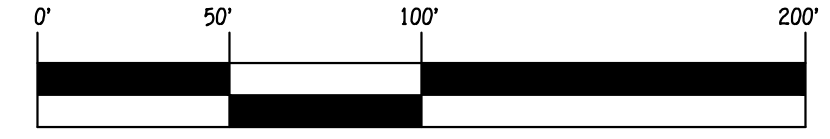
PROFESSIONAL CERTIFICATION

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. 21476, EXPIRATION DATE: 7/14/25.

FRANK JOHN MANALANSAN II
 SIGNATURE DATE 10/2/2023

OWNER/DEVELOPER

ANDREW JAMISON AND ZUGELL JAMISON
 13450 FORSYTHE ROAD
 SYKESVILLE, MARYLAND 21784
 410-740-1200



REVISIONS		
NO.	DESCRIPTION	DATE

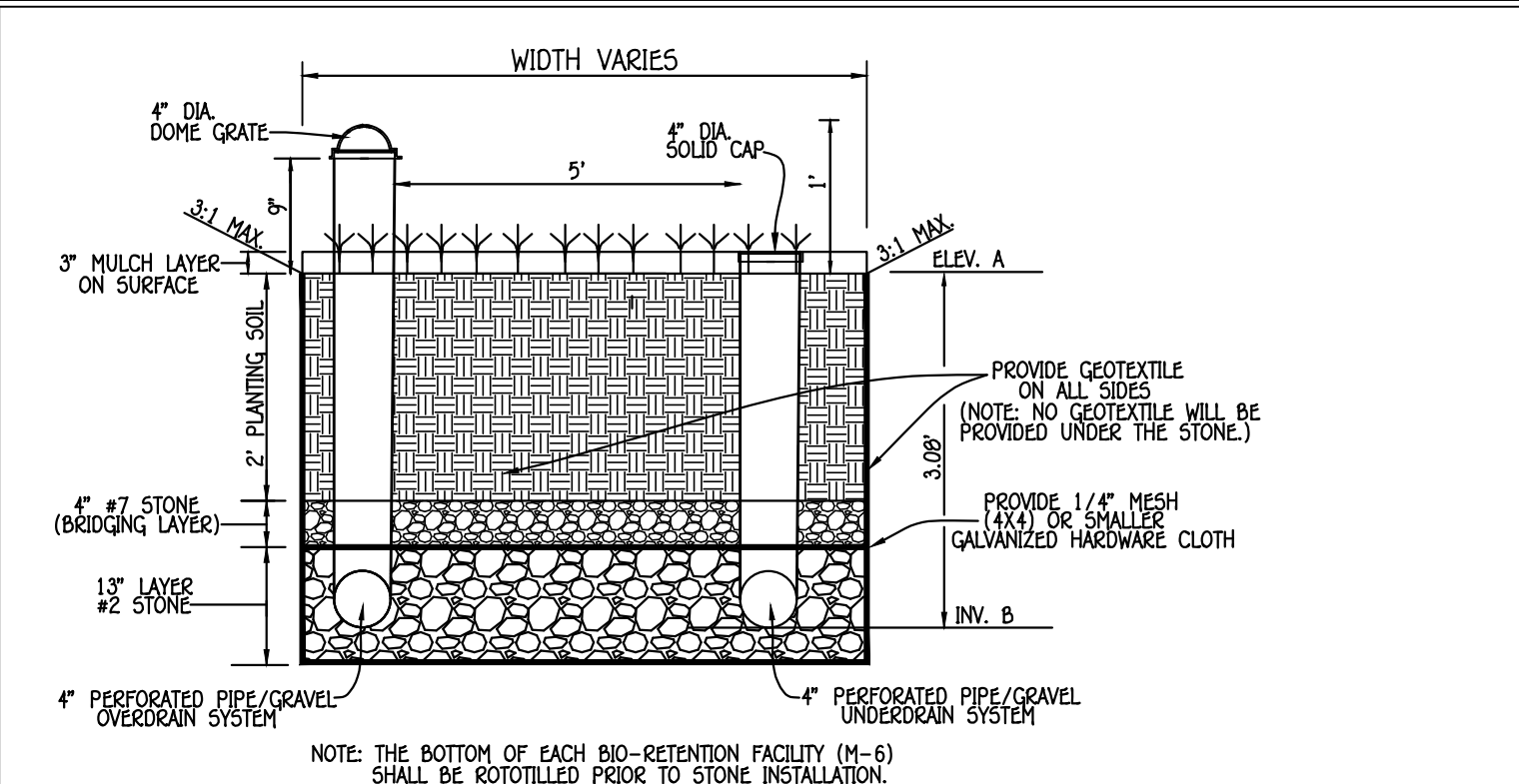
Approved: Howard County Department Of Planning And Zoning

Chief, Development Engineering Division: CHAD EDWARDS
 Date: 10/3/2023

Chief, Division Of Land Development: [Signature]
 Date: 10/5/2023



SUPPLEMENTAL PLAN
JAMISON PROPERTY
 2139 DAISY ROAD
 L.19196 F.146
 ZONING: RC-DEO
 TAX MAP 14, GRID 01, PARCEL 157
 FOURTH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
 SCALE: AS SHOWN
 SHEET 3 OF 10
 SEPTEMBER, 2023

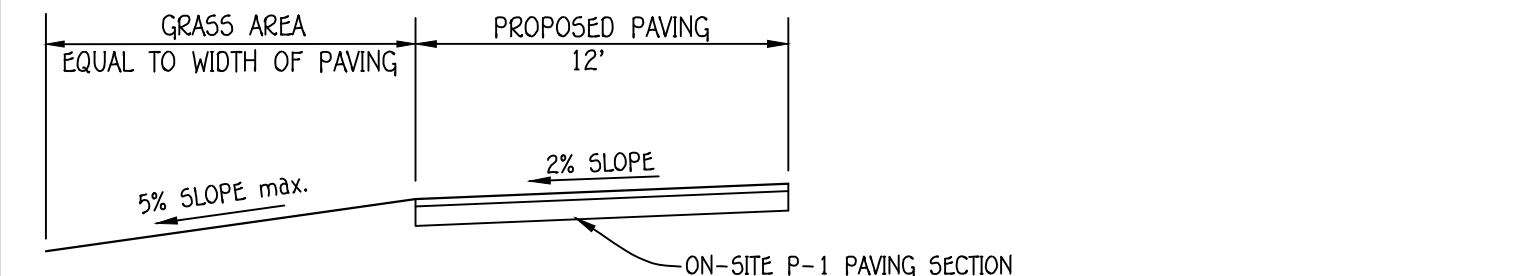


TYPICAL SECTION MICRO-BIORETENTION FACILITY (M-6)
NO NOT SCALE

FACILITY NO.	A	B
M-6 (1)	568.0	564.92
M-6 (2)	556.0	552.92
M-6 (3)	532.0	528.92

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.



TYPICAL DRIVEWAY SECTION FOR NON-ROOFTOP DISCONNECT CREDIT
NOT TO SCALE

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 COMPACTION OR DEVELOPMENT OF IMPERVIOUS AREA IN COMMERICAL AREAS FOOT TRAFFIC SHOULD BE DISCOURAGED AS WELL.

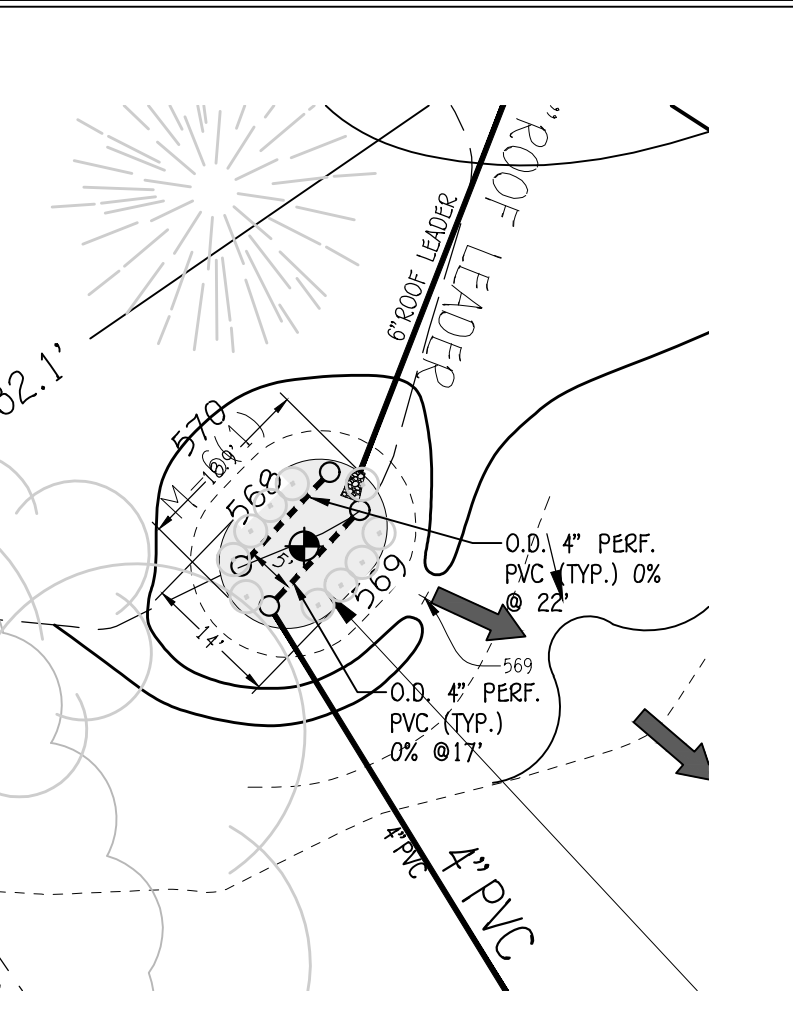
Table B.4. Materials Specifications for Micro-Bioretention, Rain Gardens & Landscape Infiltration

Material	Specification	Size	Notes
Plantings	see Appendix A, Table A.4	n/a	plantings are site-specific
Planting soil (2\"/>			

REVISIONS		
NO.	DESCRIPTION	DATE

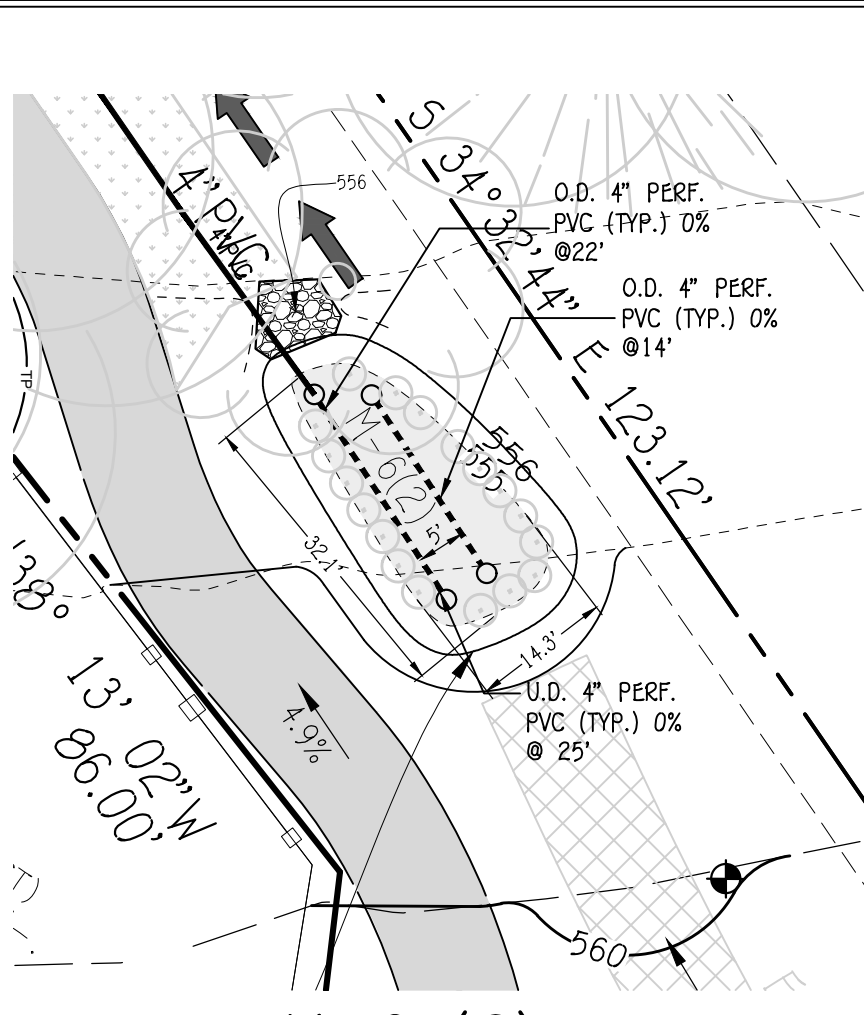
Approved: Howard County Department of Planning And Zoning
 10/3/2023
 Chief, Development Engineering Division
 10/5/2023
 Chief, Division of Land Development

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENAL SQUARE OFFICE PARK - 10276 BALTIMORE NATIONAL PIKE
 ELICOTT CITY, MARYLAND 21042
 (410) 461 - 2895



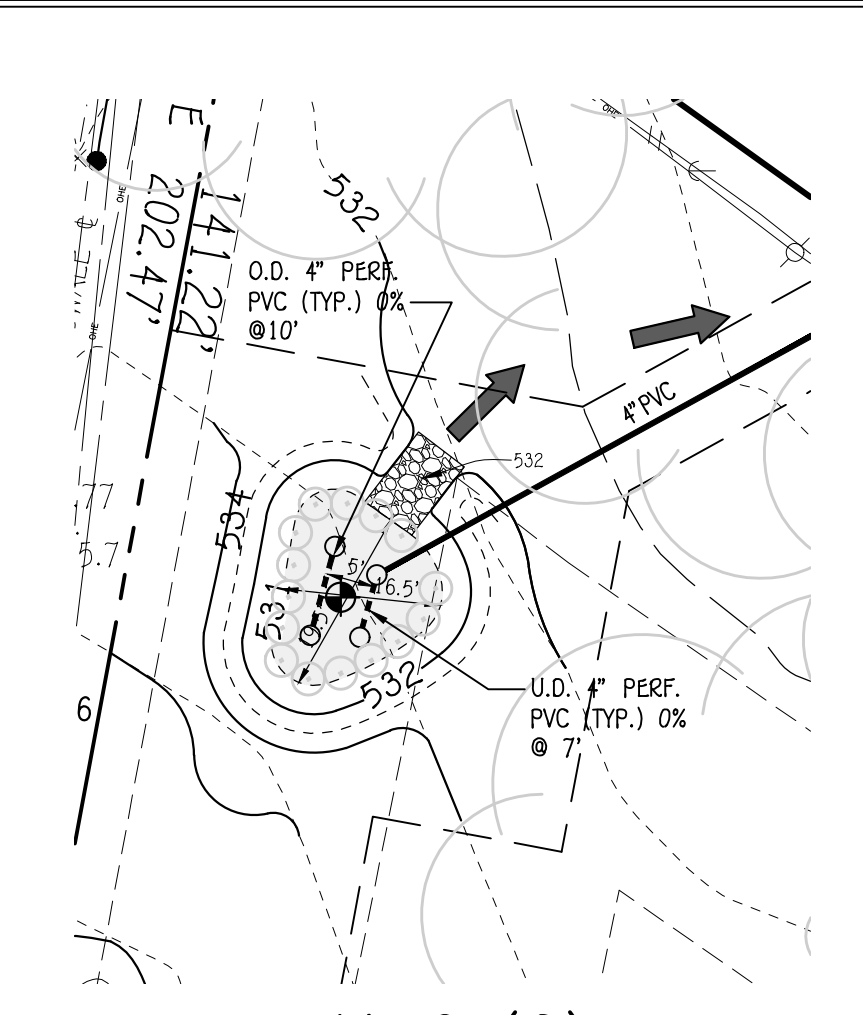
M-6 (1)
SCALE: 1" = 20'
DRAINAGE AREA: 4,902 sqft.
FILTER AREA: 224 sqft.
ELEVATION 566.00
PERIMETER 84'
WEIR ELEVATION 569.00

PLANT MATERIAL-MICRO BIO-RETENTION M-6 (1)		
QUANTITY	NAME	MAXIMUM SPACING (FT.)
75 (224 sqft.)	GRASSES	36" o.c.
10	SHRUBS	36"-40" o.c.



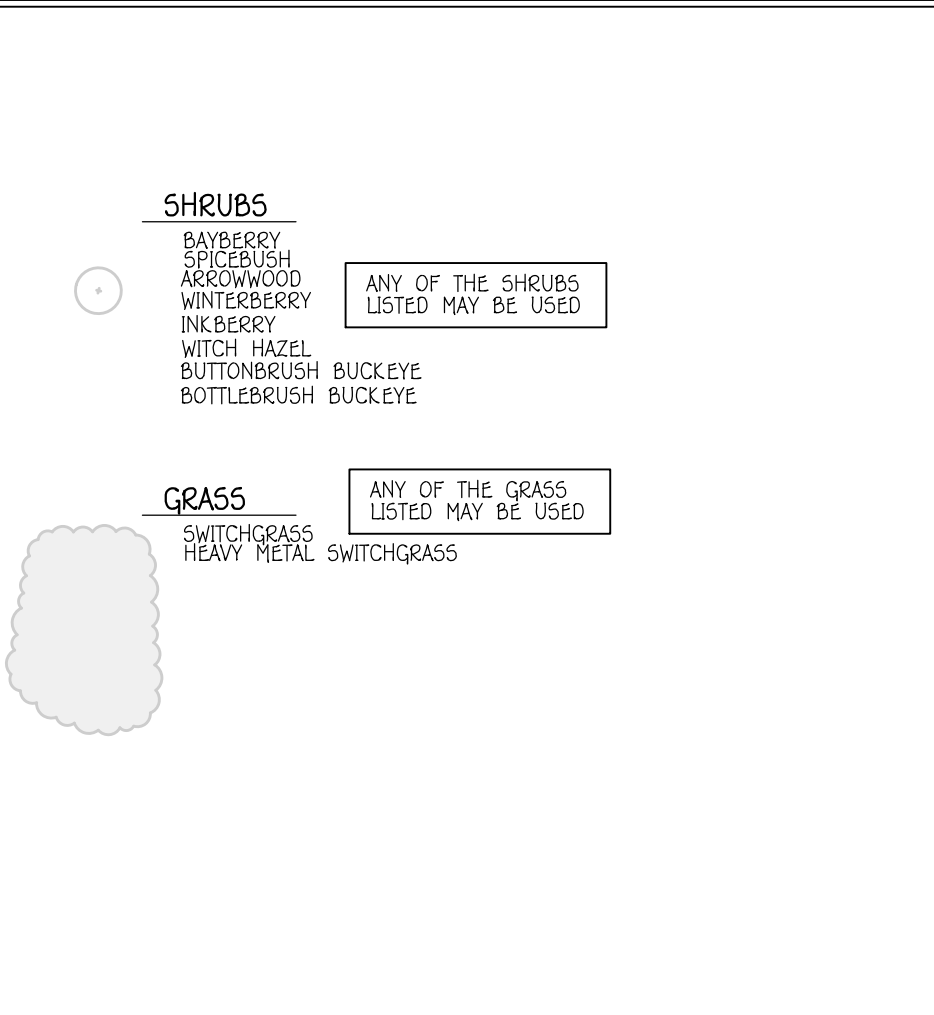
M-6 (2)
SCALE: 1" = 20'
DRAINAGE AREA: 26,993 sqft.
FILTER AREA: 371 sqft.
ELEVATION 555.00
PERIMETER 80'
WEIR ELEVATION 556.00

PLANT MATERIAL-MICRO BIO-RETENTION M-6 (1)		
QUANTITY	NAME	MAXIMUM SPACING (FT.)
124 (371 sqft.)	GRASSES	36" o.c.
18	SHRUBS	36"-40" o.c.



M-6 (3)
SCALE: 1" = 20'
DRAINAGE AREA: 9,073 sqft.
FILTER AREA: 259 sqft.
ELEVATION 531.00
PERIMETER 60'
WEIR ELEVATION 532.00

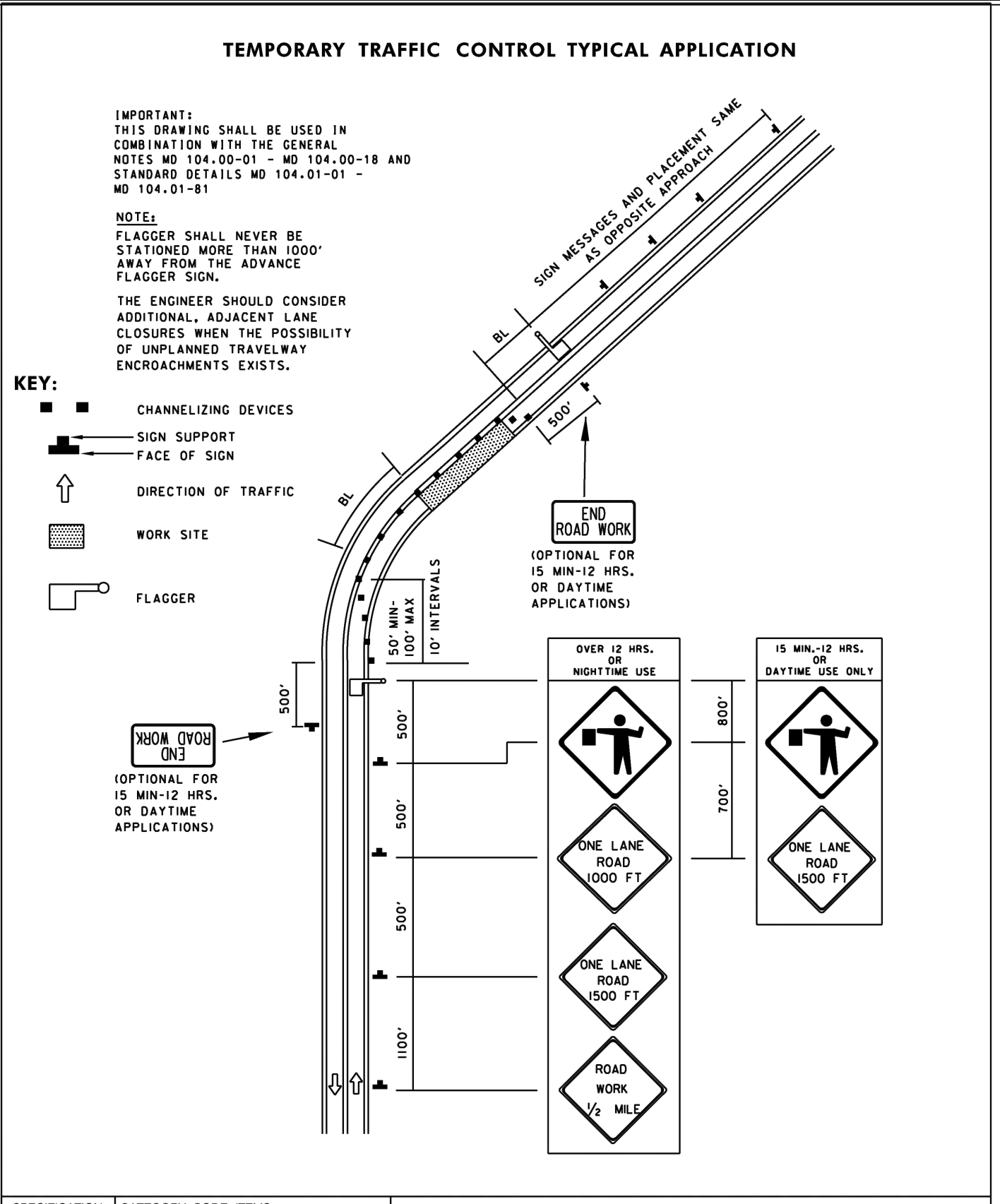
PLANT MATERIAL-MICRO BIO-RETENTION M-6 (1)		
QUANTITY	NAME	MAXIMUM SPACING (FT.)
85 (255 sqft.)	GRASSES	36" o.c.
15	SHRUBS	36"-40" o.c.



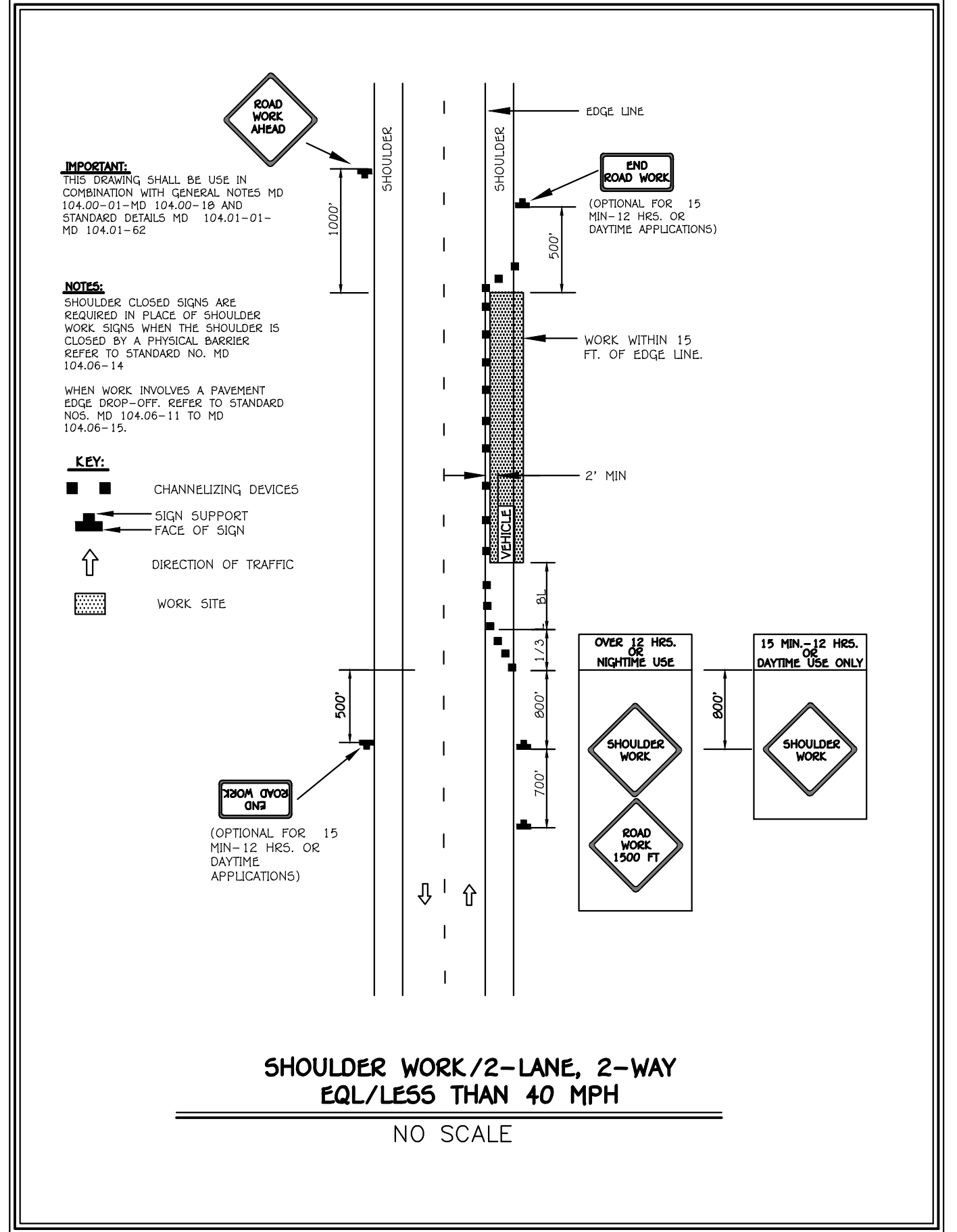
SEQUENCE OF CONSTRUCTION

- OBTAIN A GRADING PERMIT AND HOLD PRE-CONSTRUCTION MEETING WITH COUNTY INSPECTOR. (2 WEEKS)
- NOTIFY "MSS UTILITY" AT LEAST 48 HOURS BEFORE BEGINNING ANY WORK. AT 1-800-257-7777. NOTIFY THE HOWARD COUNTY OFFICE OF CONSTRUCTION/ INSPECTION AT 410-313-1330 AT LEAST 24 HOURS BEFORE STARTING WORK.
- INSTALL STABILIZED CONSTRUCTION ENTRANCE, SILT FENCE, SUPER SILT FENCE, TREE PROTECTIVE FENCING AND TRAFFIC CONTROL IF REQUIRED (1 DAY)
- COMMENCE REMOVAL OF NECESSARY TREES AND REMOVE PORTIONS OF EXISTING DRIVE, AND ROUGH GRADE LOTS. (1 WEEK)
- COMMENCE INSTALLATION OF TEMPORARY SEEDING. (1 MONTH)
- COMMENCE CONSTRUCTION OF HOUSE, DRIVEWAYS AND INSTALLATION OF SEWER AND WATER HOUSE CONNECTIONS. (4 MONTHS)
- COMMENCE FINE GRADING AND INSTALLATION OF PERMANENT SEEDING. (3 DAYS)
- ONCE SITE IS STABILIZED AND WITH THE PERMISSION OF SEDIMENT CONTROL INSPECTOR, COMMENCE INSTALLATION OF BIO-RETENTION FACILITY. (1 MONTH)
- ALL FINAL GRADING AND STABILIZATION SHOULD BE COMPLETED BEFORE ANY REMOVAL OF CONTROLS. WHEN ALL CONTRIBUTING AREAS TO THE SEDIMENT CONTROL DEVICES HAVE BEEN STABILIZED AND WITH THE PERMISSION OF THE SEDIMENT CONTROL INSPECTOR, THE SEDIMENT CONTROL DEVICES MAY BE REMOVED. (3 DAYS)

NOTE: THE CONTRACTOR SHALL INSPECT AND PROVIDE NECESSARY MAINTENANCE EACH RAINFALL AND ON A DAILY BASIS.



Maryland Department of Transportation STATE HIGHWAY ADMINISTRATION
 STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES
FLAGGING OPERATION-2-LANE, 2-WAY EQL/LESS THAN 40 MPH
 STANDARD NO. MD 104.02-10

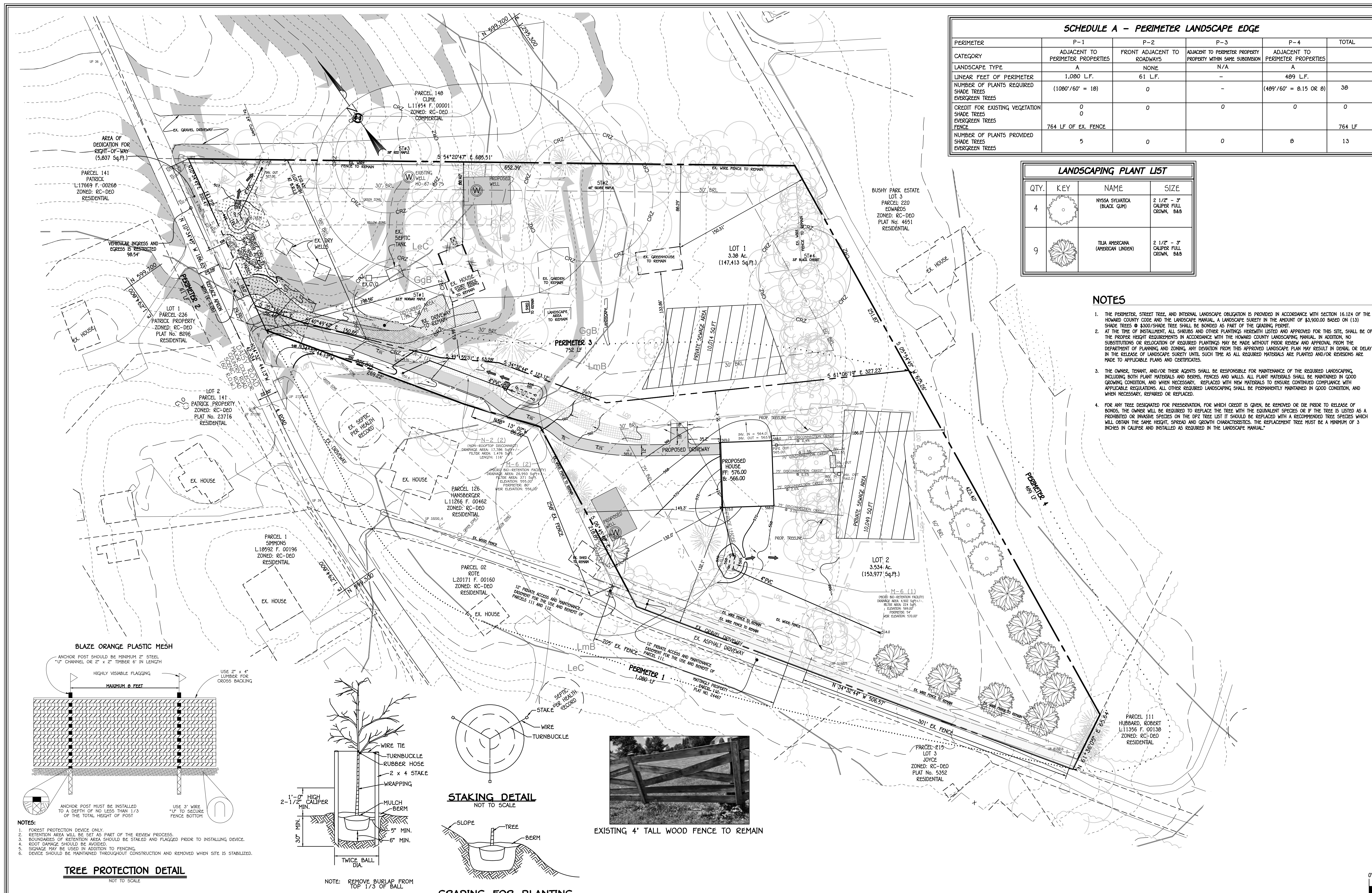


NOTES AND DETAILS JAMISON PROPERTY
 2139 DAISY ROAD
 L19196 F.146
 ZONING: RC-DEO
 TAX MAP 14, GRID 01, PARCEL 157
 FOURTH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
 SCALE: AS SHOWN SEPTEMBER, 2023
 SHEET 4 OF 10



PROFESSIONAL CERTIFICATION
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 Frank Manalansan II
 10/2/2023
 DATE

OWNER/DEVELOPER
 ANDREW JAMISON AND ZUGELL JAMISON
 13450 FORSYTHE ROAD
 SYKESVILLE, MARYLAND 21784
 410-740-1200



SCHEDULE A - PERIMETER LANDSCAPE EDGE

PERIMETER	P-1	P-2	P-3	P-4	TOTAL
CATEGORY	ADJACENT TO PERIMETER PROPERTIES	FRONT ADJACENT TO ROADWAYS	ADJACENT TO PERIMETER PROPERTY WITHIN SAME SUBDIVISION	ADJACENT TO PERIMETER PROPERTIES	
LANDSCAPE TYPE	A	NONE	N/A	A	
LINEAR FEET OF PERIMETER	1,080 L.F.	61 L.F.	-	489 L.F.	
NUMBER OF PLANTS REQUIRED	(1080/60 = 18)	0	-	(489/60 = 8.15 OR 8)	38
EVERGREEN TREES					
SHADE TREES					
CREDIT FOR EXISTING VEGETATION	0	0	0	0	0
SHADE TREES					
EVERGREEN TREES					
FENCE	764 LF OF EX. FENCE				764 LF
NUMBER OF PLANTS PROVIDED	5	0	0	8	13
EVERGREEN TREES					

LANDSCAPING PLANT LIST

QTY.	KEY	NAME	SIZE
4		NYSSA SYLVATICA (BLACK GUM)	2 1/2" - 3" CALIPER FULL CROWN, BAB
9		TILIA AMERICANA (AMERICAN LINDEN)	2 1/2" - 3" CALIPER FULL CROWN, BAB

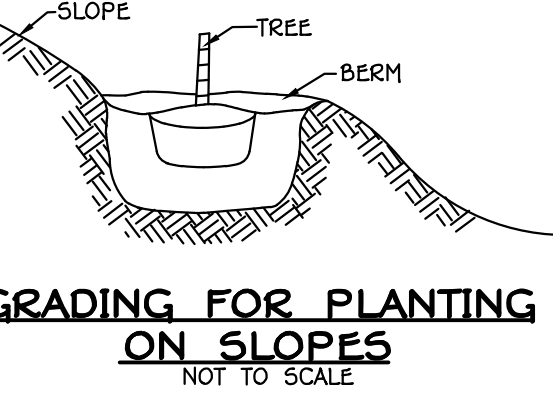
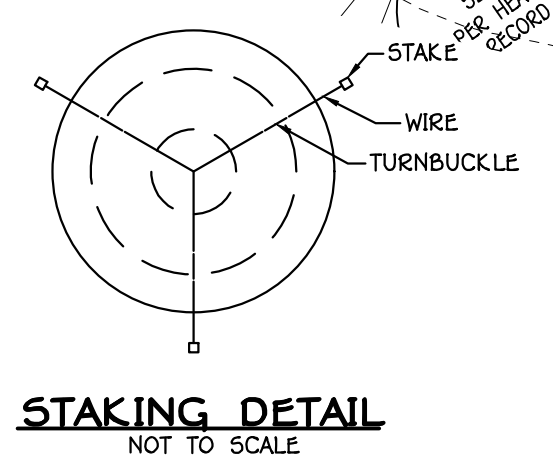
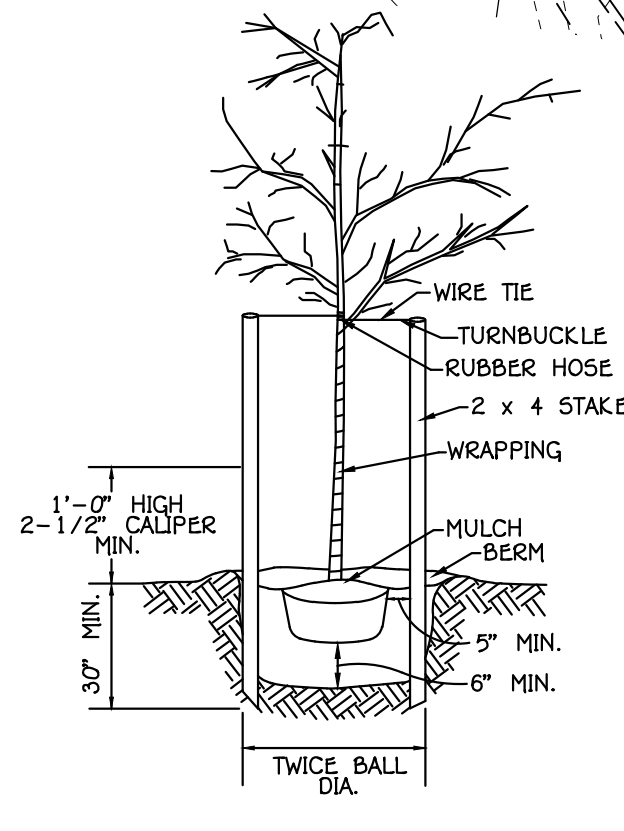
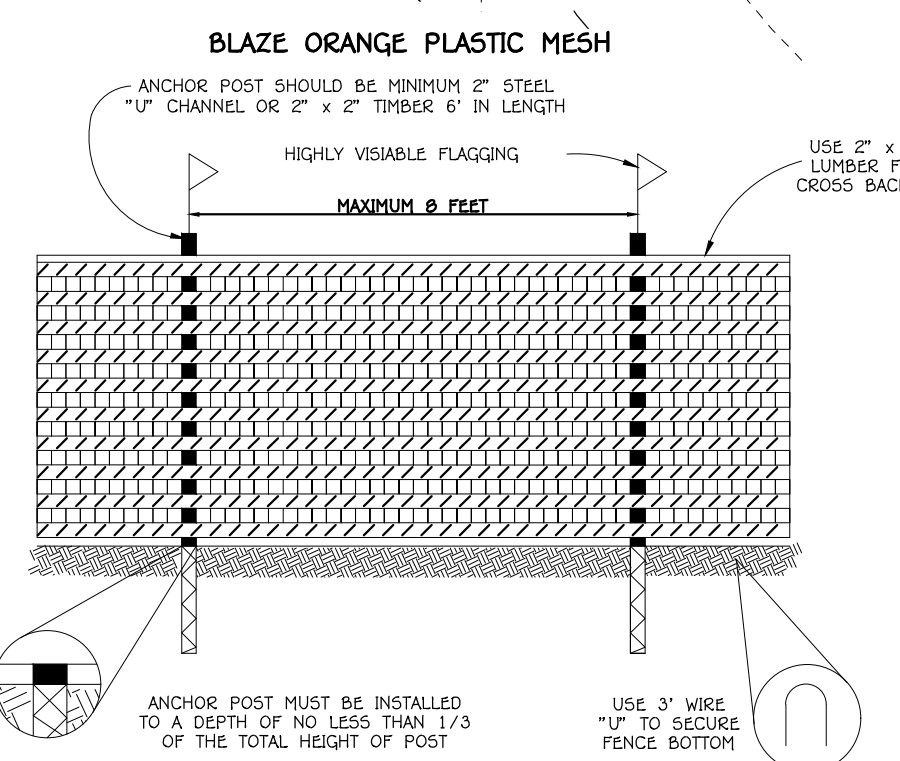
- NOTES**
1. THE PERIMETER, STREET TREE, AND INTERNAL LANDSCAPE OBLIGATION IS PROVIDED IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL. A LANDSCAPE SURETY IN THE AMOUNT OF \$3,900.00 BASED ON (13) SHADE TREES @ \$300/SHADE TREE SHALL BE BONDED AS PART OF THE GRADING PERMIT.
 2. AT THE TIME OF INSTALLATION, ALL SHRUBS AND OTHER PLANTINGS HEIGHTS LISTED AND APPROVED FOR THIS SITE, SHALL BE OF THE PROPER HEIGHT REQUIREMENTS IN ACCORDANCE WITH THE HOWARD COUNTY LANDSCAPING MANUAL. IN ADDITION, NO SUBSTITUTIONS OR RELOCATIONS OF REQUIRED PLANTINGS MAY BE MADE WITHOUT PRIOR REVIEW AND APPROVAL FROM THE DEPARTMENT OF PLANNING AND ZONING. ANY DEVIATION FROM THIS APPROVED LANDSCAPE PLAN MAY RESULT IN DENIAL OR DELAY IN THE RELEASE OF LANDSCAPE SURETY UNTIL SUCH TIME AS ALL REQUIRED MATERIALS ARE PLANTED AND/OR REVISIONS ARE MADE TO APPLICABLE PLANS AND CERTIFICATES.
 3. THE OWNER, TENANT, AND/OR THEIR AGENTS SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE REQUIRED LANDSCAPING, INCLUDING BOTH PLANT MATERIALS AND BIRDS, 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 OTHER REQUIRED LANDSCAPING SHALL BE PERMANENTLY MAINTAINED IN GOOD CONDITION, AND WHEN NECESSARY, REPAIRED OR REPLACED.
 4. FOR ANY TREE DESIGNATED FOR PRESERVATION, FOR WHICH CREDIT IS GIVEN, BE REMOVED OR DIE PRIOR TO RELEASE OF BOND, THE OWNER WILL BE REQUIRED TO REPLACE THE TREE WITH THE EQUIVALENT SPECIES OR IF THE TREE IS LISTED AS A PROHIBITED OR INVASIVE SPECIES ON THE DPZ TREE LIST IT SHOULD BE REPLACED WITH A RECOMMENDED TREE SPECIES 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.

"At the time of plant installation, all trees listed and approved on the Landscape Plan, shall comply with the proper height requirement in accordance with the Howard County Landscape Manual. In addition, no substitutions or relocations of the required plantings may be made without prior review and approval from the Department of Planning and Zoning. Any deviations from the approved Landscape Plan may result in denial or delay in the release of landscape surety until such time as all required materials are planted and/or revisions are made to the road drawing plans."

"The Owner, tenants and/or their agents shall be responsible for maintenance of the required perimeter landscaping. 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 the other required landscaping shall be permanently maintained in good condition, and when necessary, repaired or replaced."

LEGEND

SYMBOL	DESCRIPTION
	EXISTING CONTOUR 2' INTERVAL
	EXISTING CONTOUR 10' INTERVAL
	PROPOSED CONTOUR 10' INTERVAL
	PROPOSED CONTOUR 2' INTERVAL
	SPOT ELEVATION
	EXISTING STORM DRAIN
	PROPOSED STORM DRAIN PIPE
	EXISTING CABLE LINE
	EXISTING GAS LINE
	EXISTING OVERHEAD WIRE
	BGE PLANTING ZONES
	EXISTING SWALE CENTERLINE
	PROPOSED PAVING
	PORTION OF EXISTING DRIVEWAY TO BE REMOVED
	PORTION OF EXISTING DRIVEWAY TO REMAIN
	USE-IN-COMMON, ACCESS, SWM, & UTILITY EASEMENT
	LIMIT OF DISTURBANCE
	SUPER SILT FENCE
	SILT FENCE
	EXISTING TREE LINE
	PROPOSED TREE LINE
	SOIL LINES AND TYPES
	EROSION CONTROL MATTING/ PERMANENT SOIL STABILIZATION MATTING
	80 RETENTION FACILITY (7'-6) OR (8'-6) AS NOTED
	OVERDRAIN
	UNDERDRAIN
	PROPOSED ROOF LEADER
	NON-ROOFTOP DISCONNECTION CREDIT (N-2)
	DRAINAGE AREA
	DENOTES EXISTING TREES TO BE REMOVED
	DENOTES EXISTING TREES TO REMAIN
	CRITICAL ROOT ZONE
	TREE PROTECTION FENCING
	DENOTES SPECIMEN TREE
	DENOTES 15%-24.9% SLOPES



- NOTES:**
1. FOREST PROTECTION DEVICE ONLY.
 2. RETENTION AREA WILL BE SET AS PART OF THE REVIEW PROCESS.
 3. BOUNDARIES OF RETENTION AREA SHOULD BE STAKED AND FLAGGED PRIOR TO INSTALLING DEVICE.
 4. ROOT DAMAGE SHOULD BE AVOIDED.
 5. SIGNAGE MAY BE USED IN ADDITION TO FENCING.
 6. DEVICE SHOULD BE MAINTAINED THROUGHOUT CONSTRUCTION AND REMOVED WHEN SITE IS STABILIZED.

REVISIONS

NO.	DESCRIPTION	DATE

Approved: Howard County Department Of Planning And Zoning

CHAD Edmondson 10/3/2023

Chief, Development Engineering Division Date 10/5/2023

Chief, Division Of Land Development Date

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENNIAL SQUARE OFFICE PARK - 10276 HANSHIRE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21114
 (410) 461 - 2995

OWNER'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.

Zugell Jamison 9/30/2023

NAME DATE



PROFESSIONAL CERTIFICATION

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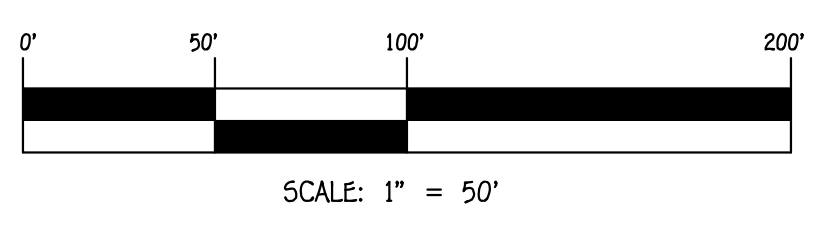
Frank Malalusan II 10/2/2023

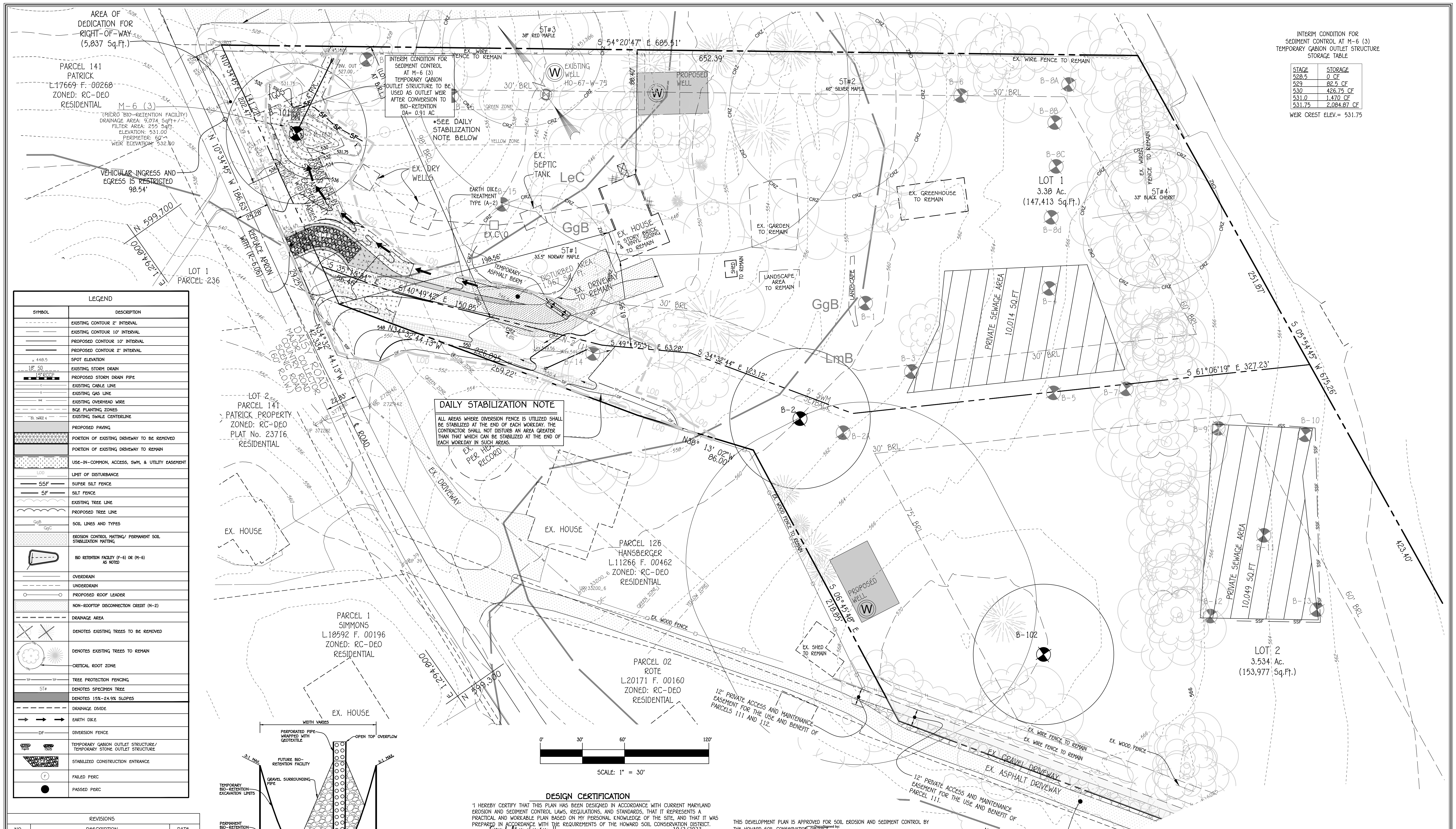
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LANDSCAPE PLAN
JAMISON PROPERTY
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 FOURTH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
 SCALE: AS SHOWN SEPTEMBER, 2023
 SHEET 5 OF 10





INTERIM CONDITION FOR SEDIMENT CONTROL AT M-6 (3) TEMPORARY CABON OUTLET STRUCTURE STORAGE TABLE

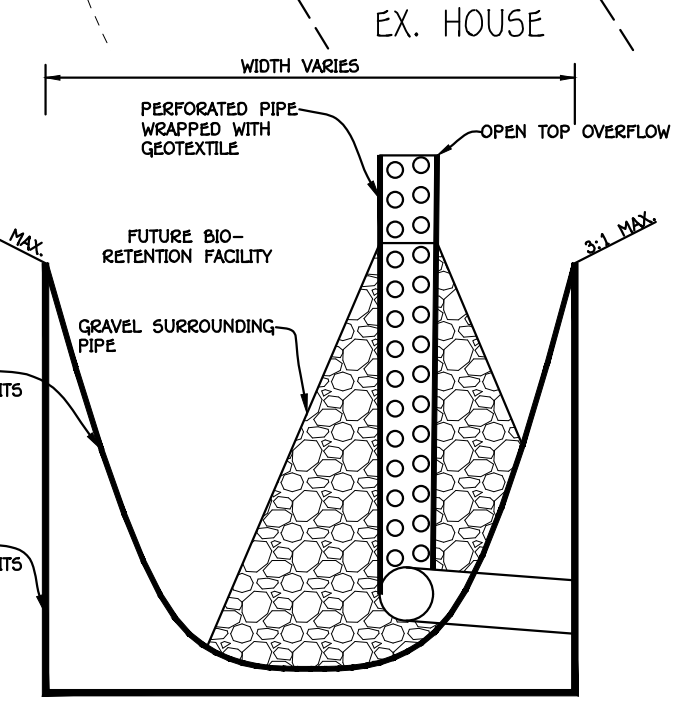
STAGE	STORAGE
528.5	0 CF
529	82.5 CF
530	426.75 CF
531.0	1,470 CF
531.75	2,084.87 CF

WEIR CREST ELEV. = 531.75

LEGEND

SYMBOL	DESCRIPTION
---	EXISTING CONTOUR 2' INTERVAL
---	EXISTING CONTOUR 10' INTERVAL
---	PROPOSED CONTOUR 10' INTERVAL
---	PROPOSED CONTOUR 2' INTERVAL
•	SPOT ELEVATION
---	EXISTING STORM DRAIN
---	PROPOSED STORM DRAIN PIPE
---	EXISTING CABLE LINE
---	EXISTING GAS LINE
---	EXISTING OVERHEAD WIRE
---	SQE PLANTING ZONES
---	EXISTING SWALE CENTERLINE
---	PROPOSED PAVING
---	PORTION OF EXISTING DRIVEWAY TO BE REMOVED
---	PORTION OF EXISTING DRIVEWAY TO REMAIN
---	USE-IN-COMMON, ACCESS, SWM, & UTILITY EASEMENT
---	LIMIT OF DISTURBANCE
---	SUPER SILT FENCE
---	SILT FENCE
---	EXISTING TREE LINE
---	PROPOSED TREE LINE
---	SOIL LINES AND TYPES
---	EROSION CONTROL MATTING/ PERMANENT SOIL STABILIZATION MATTING
---	BIO RETENTION FACILITY (M-6) OR (M-6) AS NOTED
---	OVERDRAIN
---	UNDERDRAIN
---	PROPOSED ROOF LEADER
---	NON-ROOFTOP DISCONNECTION CREDIT (N-2)
---	DRAINAGE AREA
---	DENOTES EXISTING TREES TO BE REMOVED
---	DENOTES EXISTING TREES TO REMAIN
---	CRITICAL ROOT ZONE
---	TREE PROTECTION FENCING
---	DENOTES SPECIMEN TREE
---	DENOTES 15%-24.9% SLOPES
---	DRAINAGE DIVIDE
---	EARTH DIKE
---	DIVERSION FENCE
---	TEMPORARY CABON OUTLET STRUCTURE/ TEMPORARY STONE OUTLET STRUCTURE
---	STABILIZED CONSTRUCTION ENTRANCE
---	FAILED PERC
---	PASSED PERC

DAILY STABILIZATION NOTE
 ALL AREAS WHERE DIVERSION FENCE IS UTILIZED SHALL BE STABILIZED AT THE END OF EACH WORKDAY. THE CONTRACTOR SHALL NOT DISTURB AN AREA GREATER THAN THAT WHICH CAN BE STABILIZED AT THE END OF EACH WORKDAY IN SUCH AREAS.



DESIGN CERTIFICATION
 I HEREBY CERTIFY THAT THIS PLAN HAS BEEN DESIGNED IN ACCORDANCE WITH CURRENT MARYLAND EROSION AND SEDIMENT CONTROL LAWS, REGULATIONS, AND STANDARDS, THAT IT REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE, AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
 Frank John Malansan II 10/2/2023
 SIGNATURE OF LICENSED PROFESSIONAL DATE
 FRANK JOHN MALANSAN II MD REGISTRATION No. 21476 R.L.S.

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 Alexander Bratchie 10/5/2023
 HOWARD SOIL CONSERVATION DISTRICT DATE

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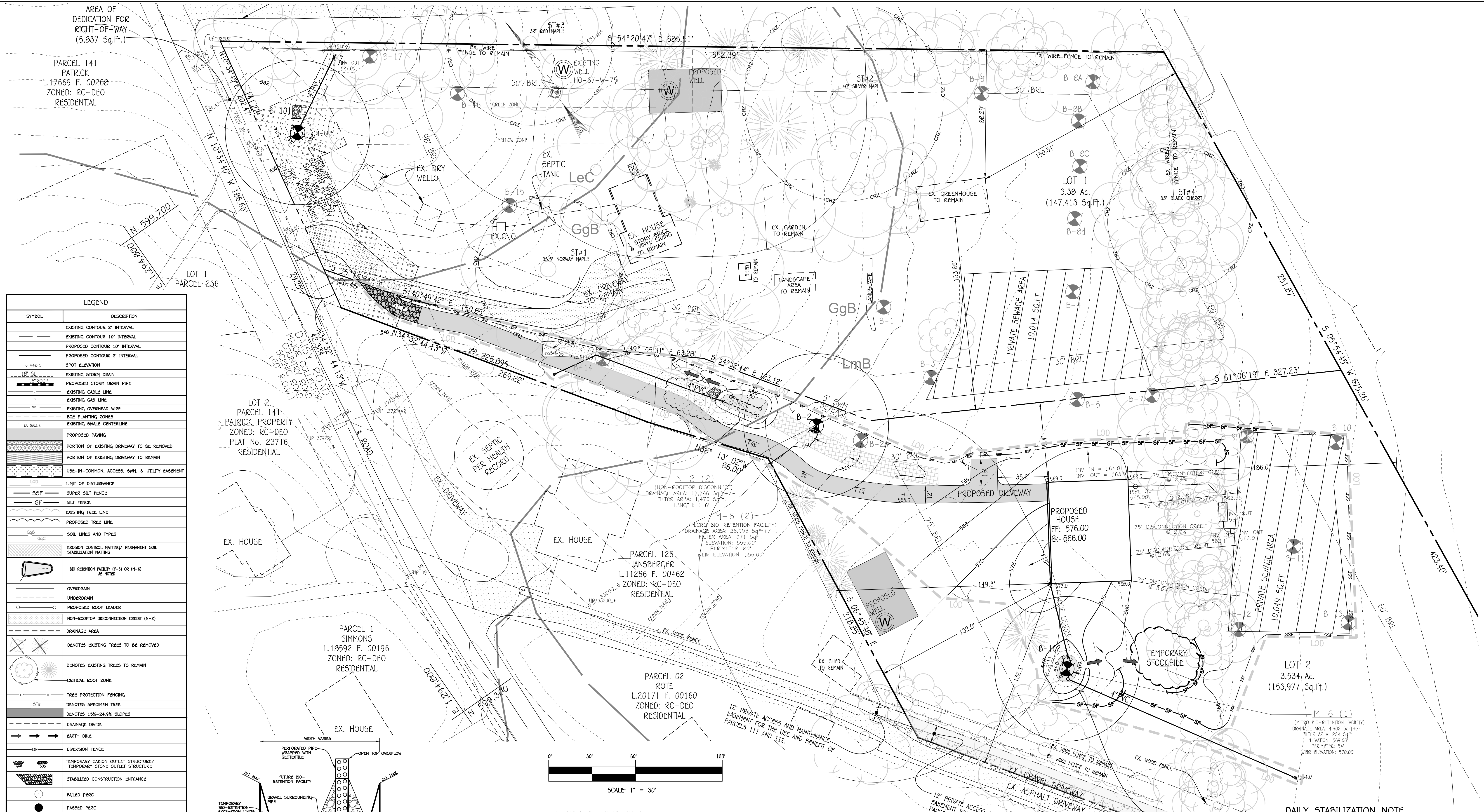
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 SCALE: AS SHOWN SEPTEMBER, 2023
 SHEET 6 OF 10

REVISIONS

NO.	DESCRIPTION	DATE

Approved: Howard County Department Of Planning And Zoning
 Chief, Development Engineering Division
 Chief, Division Of Land Development

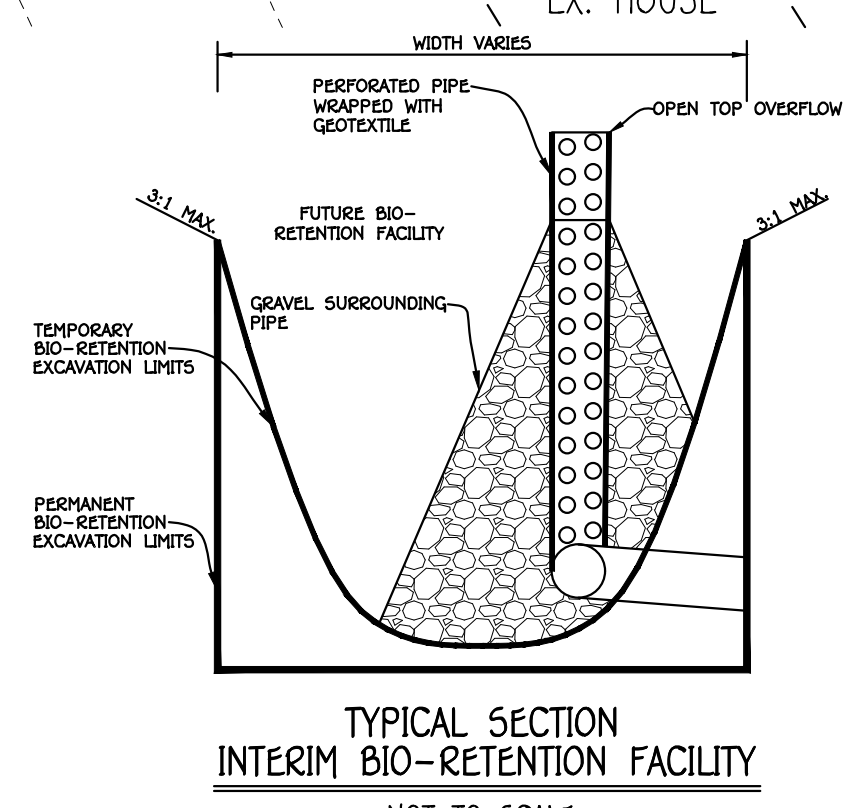
FISHER, COLLINS & CARTER, INC.
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 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21042
 (410) 461 - 2995



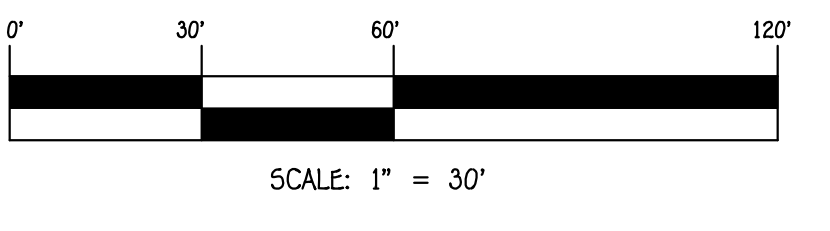
LEGEND	
SYMBOL	DESCRIPTION
---	EXISTING CONTOUR 2' INTERVAL
---	EXISTING CONTOUR 10' INTERVAL
---	PROPOSED CONTOUR 10' INTERVAL
---	PROPOSED CONTOUR 2' INTERVAL
•	SPOT ELEVATION
---	EXISTING STORM DRAIN
---	PROPOSED STORM DRAIN PIPE
---	EXISTING CABLE LINE
---	EXISTING GAS LINE
---	EXISTING OVERHEAD WIRE
---	SQE PLANTING ZONES
---	EXISTING SWALE CENTERLINE
---	PROPOSED PAVING
---	PORTION OF EXISTING DRIVEWAY TO BE REMOVED
---	PORTION OF EXISTING DRIVEWAY TO REMAIN
---	USE-IN-COMMON, ACCESS, SWM, & UTILITY EASEMENT
---	LIMIT OF DISTURBANCE
---	SUPER SILT FENCE
---	SILT FENCE
---	EXISTING TREE LINE
---	PROPOSED TREE LINE
---	SOIL LINES AND TYPES
---	EROSION CONTROL MATTING/ PERMANENT SOIL STABILIZATION MATTING
---	BIO RETENTION FACILITY (M-6) OR (M-6) AS NOTED
---	OVERDRAIN
---	UNDERSDRAIN
---	PROPOSED ROOF LEADER
---	NON-ROOFTOP DISCONNECTION CREDIT (N-2)
---	DRAINAGE AREA
---	DENOTES EXISTING TREES TO BE REMOVED
---	DENOTES EXISTING TREES TO REMAIN
---	CRITICAL ROOT ZONE
---	TREE PROTECTION FENCING
---	DENOTES SPECIMEN TREE
---	DENOTES 15%-24.9% SLOPES
---	DRAINAGE DIVIDE
---	EARTH DIKE
---	DIVERSION FENCE
---	TEMPORARY GASSON OUTLET STRUCTURE/ TEMPORARY STONE OUTLET STRUCTURE
---	STABILIZED CONSTRUCTION ENTRANCE
---	FAILED PERC
---	PASSED PERC

REVISIONS		
NO.	DESCRIPTION	DATE

Approved: Howard County Department Of Planning And Zoning
 Chief, Development Engineering Division
 Chief, Division Of Land Development



FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENNIAL SQUARE OFFICE PARK - 10275 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21042
 (410) 461 - 2295



DESIGN CERTIFICATION
 I HEREBY CERTIFY THAT THIS PLAN HAS BEEN DESIGNED IN ACCORDANCE WITH CURRENT MARYLAND EROSION AND SEDIMENT CONTROL LAWS, REGULATIONS, AND STANDARDS, THAT IT REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE, AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
 Frank Manalansan II 10/2/2023
 SIGNATURE OF LICENSED PROFESSIONAL DATE
 FRANK JOHN MANALANSAN II MD REGISTRATION No. 21476 R.L.S.

OWNERS/DEVELOPER'S CERTIFICATE
 I/WE HEREBY CERTIFY THAT ANY CLEARING, GRADING, CONSTRUCTION, OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS APPROVED EROSION AND SEDIMENT CONTROL PLAN, INCLUDING INSPECTING AND MAINTAINING CONTROLS, AND THAT THE RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF TRAINING AT A MARYLAND DEPARTMENT OF THE ENVIRONMENT (MDE) APPROVED TRAINING PROGRAM FOR THE CONTROL OF EROSION AND SEDIMENT PRIOR TO BEGINNING THE PROJECT. I CERTIFY RIGHT-OF-ENTRY FOR PERIODIC ON-SITE EVALUATION BY HOWARD COUNTY, THE HOWARD SOIL CONSERVATION DISTRICT AND/OR MDE.
 Frank Manalansan II 10/2/2023
 SIGNATURE OF DEVELOPER DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
 Alexander Bratechie 10/5/2023
 HOWARD SOIL CONSERVATION DISTRICT DATE

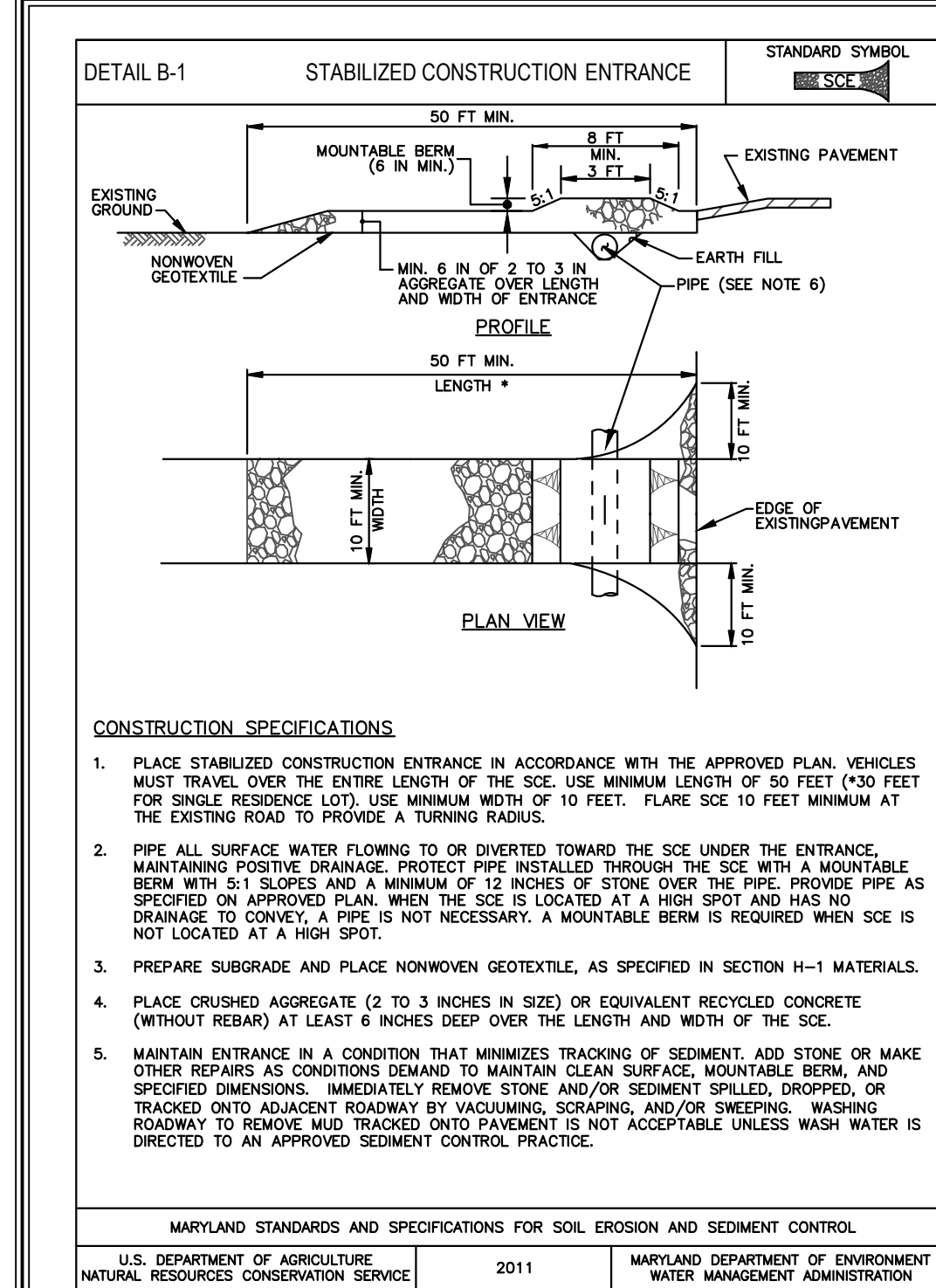


PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21476, EXPIRATION DATE: 7/14/25.
 Frank Manalansan II 10/2/2023
 DATE

OWNER/DEVELOPER
 ANDREW JAMISON AND ZUGELL JAMISON
 13450 FORSYTHE ROAD
 SYKESVILLE, MARYLAND 21784
 410-740-1200

DAILY STABILIZATION NOTE
 ALL DISTURBED AREAS NOT DIRECTED TO A SEDIMENT CONTROL DEVICE SHALL BE STABILIZED AT THE END OF EACH WORKDAY. THE CONTRACTOR SHALL NOT DISTURB AN AREA GREATER THAN THAT WHICH CAN BE STABILIZED AT THE END OF EACH WORKDAY IN SUCH AREAS.

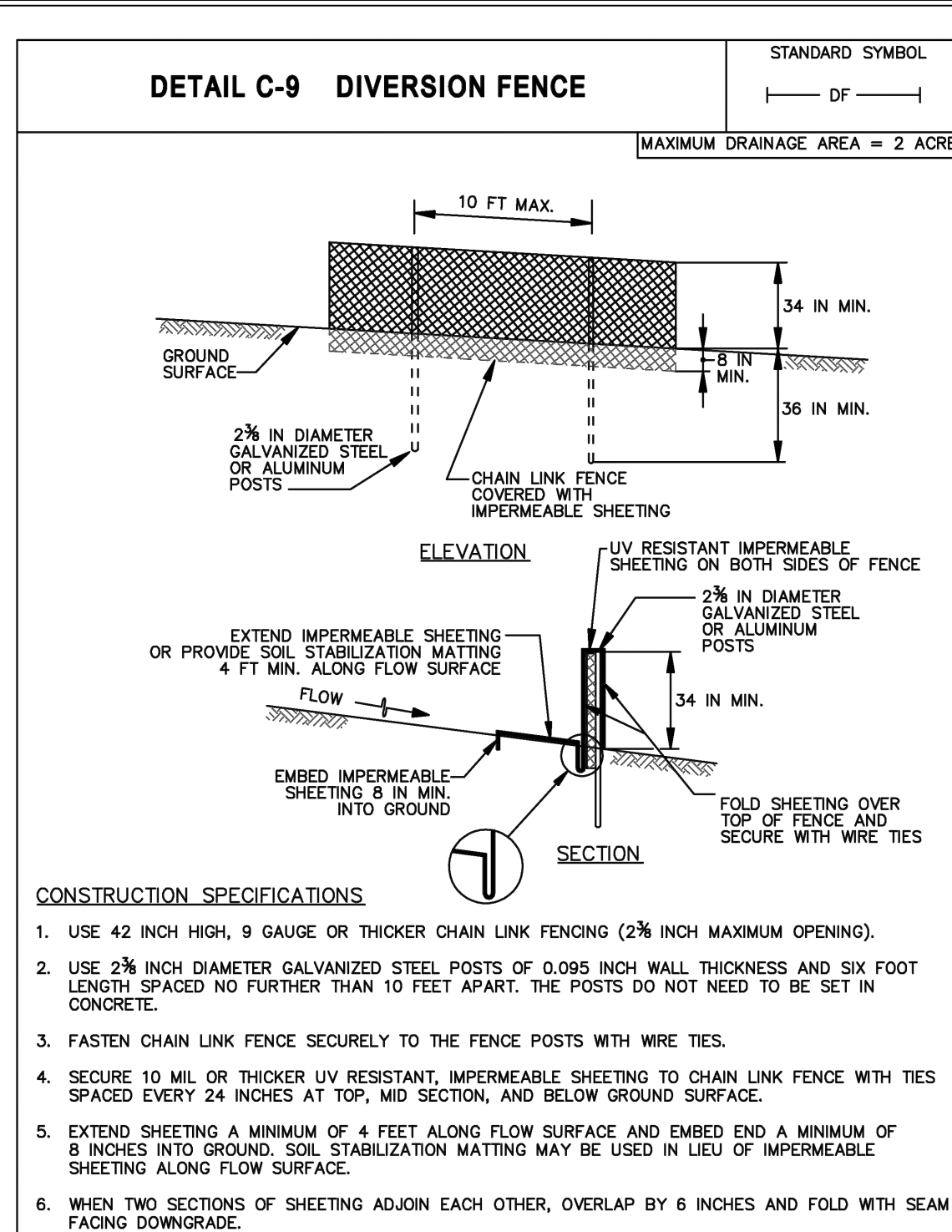
PHASE 2 GRADING AND SEDIMENT & EROSION CONTROL PLAN
JAMISON PROPERTY
 2139 DAISY ROAD
 L.19196 F.146
 ZONING: RC-DEO
 TAX MAP 14, GRID 01, PARCEL 157
 FOURTH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
 SCALE: AS SHOWN SEPTEMBER, 2023
 SHEET 7 OF 10



CONSTRUCTION SPECIFICATIONS

- PLACE STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH THE APPROVED PLAN. VEHICLES MUST TRAVEL OVER THE ENTIRE LENGTH OF THE SCE. USE MINIMUM LENGTH OF 50 FEET (430 FEET FOR SINGLE RESIDENCE LOTS). USE MINIMUM WIDTH OF 10 FEET. FLARE SIZE 10 FEET MINIMUM AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.
- PIPE ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD THE SIDE UNDER THE ENTRANCE. MAINTAIN POSITIVE DRAINAGE PROTECT PIPE INSTALLED THROUGH THE SCE WITH A MOUNTABLE BERM WITH 2:1 SLOPE AND A MINIMUM OF 12 INCHES OF STONE OVER THE PIPE. PROVIDE PIPE AS SPECIFIED ON APPROVED PLAN. WHEN THE SCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO ADJACENT ROADWAY BY VACUUMING, SCOPING, AND/OR SNEEPING, WASHING ROADWAY TO REMOVE MUD TRACKED ONTO PAVEMENT IS NOT ACCEPTABLE UNLESS WASH WATER IS DIRECTED TO AN APPROVED SEDIMENT CONTROL PRACTICE.
- PREPARE SUBGRADE AND PLACE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS.
- PLACE CRUSHED AGGREGATE (2 TO 3 INCHES IN SIZE) OR EQUIVALENT RECYCLED CONCRETE (WITHOUT REBAR) AT LEAST 6 INCHES DEEP OVER THE LENGTH AND WIDTH OF THE SCE.
- MAINTAIN ENTRANCE IN A CONDITION THAT MINIMIZES TRACKING OF SEDIMENT. ADD STONE OR MAKE OTHER REPAIRS AS CONDITIONS DEMAND TO MAINTAIN CLEAN SURFACE, MOUNTABLE BERM, AND SPECIFIED DIMENSIONS. IMMEDIATELY REMOVE STONE AND/OR SEDIMENT SPILLED, DROPPED, OR TRACKED ONTO ADJACENT ROADWAY BY VACUUMING, SCOPING, AND/OR SNEEPING. WASHING ROADWAY TO REMOVE MUD TRACKED ONTO PAVEMENT IS NOT ACCEPTABLE UNLESS WASH WATER IS DIRECTED TO AN APPROVED SEDIMENT CONTROL PRACTICE.

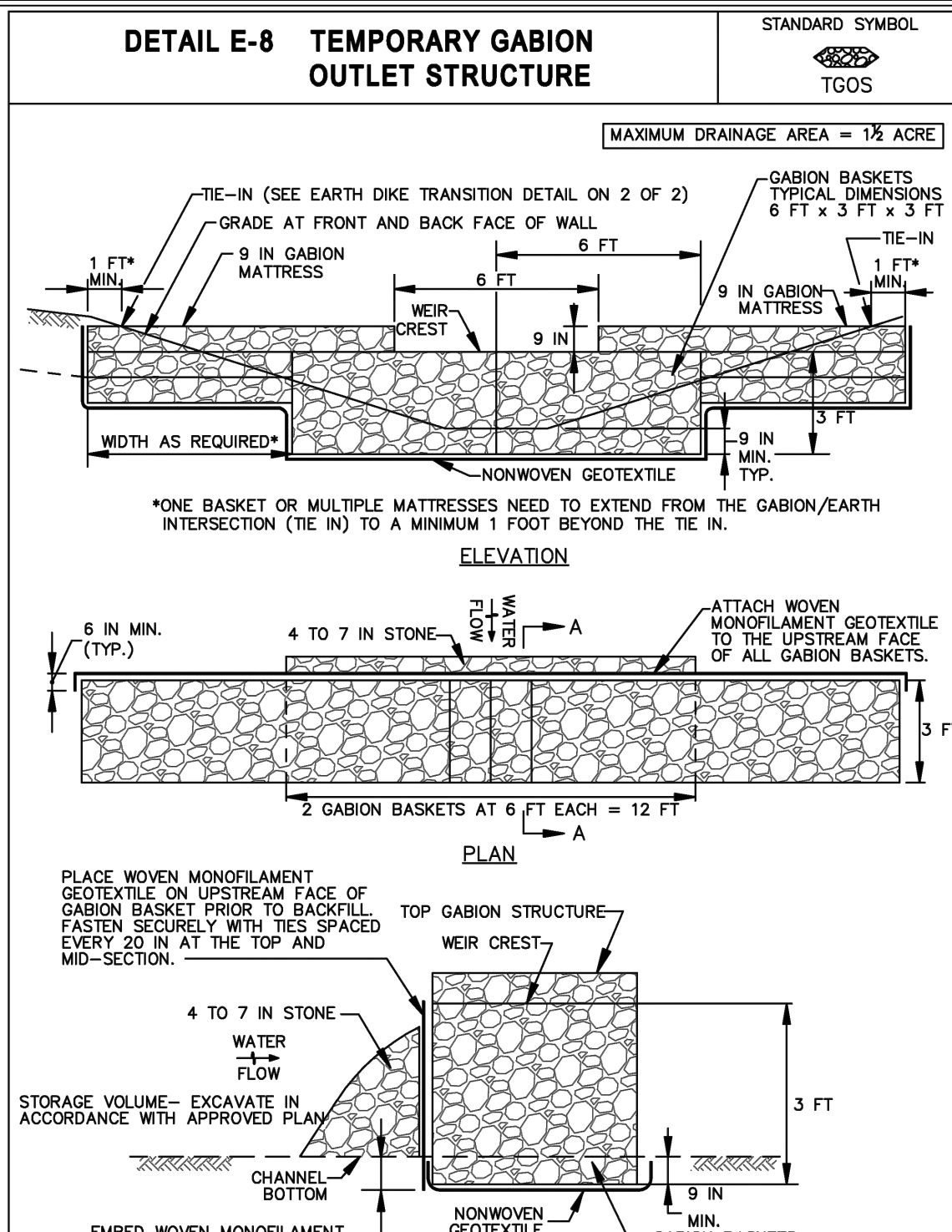
MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL		
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION



CONSTRUCTION SPECIFICATIONS

- USE 42 INCH HIGH, 9 GAUGE OR THICKER CHAIN LINK FENCING (2 1/2 INCH MAXIMUM OPENING).
- USE 2 1/2 INCH DIAMETER GALVANIZED STEEL POSTS OF 0.095 INCH WALL THICKNESS AND SIX FOOT LENGTH SPACED NO FURTHER THAN 10 FEET APART. THE POSTS DO NOT NEED TO BE SET IN CONCRETE.
- FASTEN CHAIN LINK FENCE SECURELY TO THE FENCE POSTS WITH WIRE TIES.
- SECURE 10 MIL OR THICKER UV RESISTANT, IMPERMEABLE SHEETING TO CHAIN LINK FENCE WITH TIES SPACED EVERY 24 INCHES AT TOP, MID SECTION, AND BELOW GROUND. REPLACE IMPERMEABLE SHEETING IF TORN, IF UNDERMINING OCCURS, REINSTALL FENCE.
- EXTEND SHEETING A MINIMUM OF 4 FEET ALONG FLOW SURFACE AND EMBED END A MINIMUM OF 8 INCHES INTO SOIL. SOIL STABILIZATION MATTING MAY BE USED IN LIEU OF IMPERMEABLE SHEETING ALONG FLOW SURFACE.
- WHEN TWO SECTIONS OF SHEETING ADJOIN EACH OTHER, OVERLAP BY 6 INCHES AND FOLD WITH SEAM FACING DOWNGRADE.
- KEEP FLOW SURFACE ALONG DIVERSION FENCE AND POINT OF DISCHARGE FREE OF EROSION. REMOVE ACCUMULATED SEDIMENT AND DEBRIS. MAINTAIN POSITIVE DRAINAGE. REPLACE IMPERMEABLE SHEETING IF TORN, IF UNDERMINING OCCURS, REINSTALL FENCE.

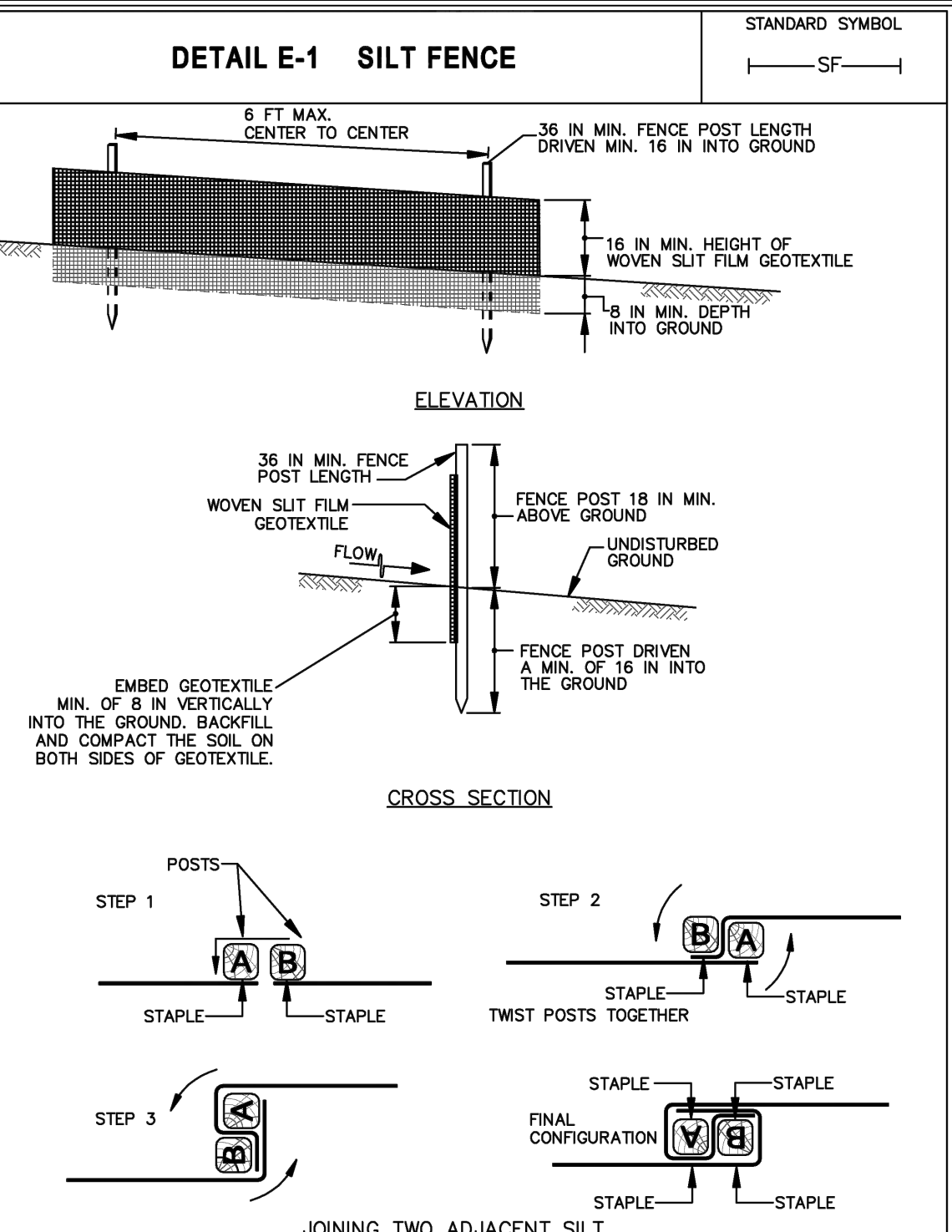
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CONSTRUCTION SPECIFICATIONS

- PROVIDE STORAGE VOLUME AS SPECIFIED ON APPROVED PLANS.
- USE BASKETS MADE OF 11 GAUGE WIRE OR HEAVIER.
- USE NONWOVEN AND WOVEN MONOFILAMENT GEOTEXTILES AS SPECIFIED IN SECTION H-1 MATERIALS.
- INSTALL GABIONS IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
- EMBED THE GABION OUTLET STRUCTURE INTO THE SOIL A MINIMUM OF 9 INCHES. PROVIDE NONWOVEN GEOTEXTILE UNDER ALL GABIONS.
- FILL GABION BASKETS WITH CLEAN 4 TO 7 INCH STONE OR EQUIVALENT RECYCLED CONCRETE WITHOUT REBAR OR WIRE MESH.
- MAKE THE WEIR CREST OF THE GABION OUTLET STRUCTURE 9 INCHES LOWER THAN THE TOP OF THE ADJACENT GABIONS.
- PROVIDE A MINIMUM WEIR CREST OF 6 FEET.
- ATTACH WOVEN MONOFILAMENT GEOTEXTILE TO THE UPSTREAM FACE OF GABION BASKETS AND COVER WITH 4 TO 7 INCH STONE.
- REMOVE SEDIMENT WHEN IT HAS ACCUMULATED TO WITHIN 12 INCHES OF THE WEIR CREST. REPLACE GEOTEXTILE AND STONE FACING WHEN STRUCTURE CEASES TO FUNCTION. MAINTAIN LINE, GRADE, AND CROSS SECTION.
- UPON REMOVAL OF GABION OUTLET STRUCTURE, GRADE AREA FLUSH WITH EXISTING GROUND. WITHIN 24 HOURS STABILIZE DISTURBED AREA WITH TOPSOIL, SEED, AND MULCH, OR AS SPECIFIED ON APPROVED PLAN.

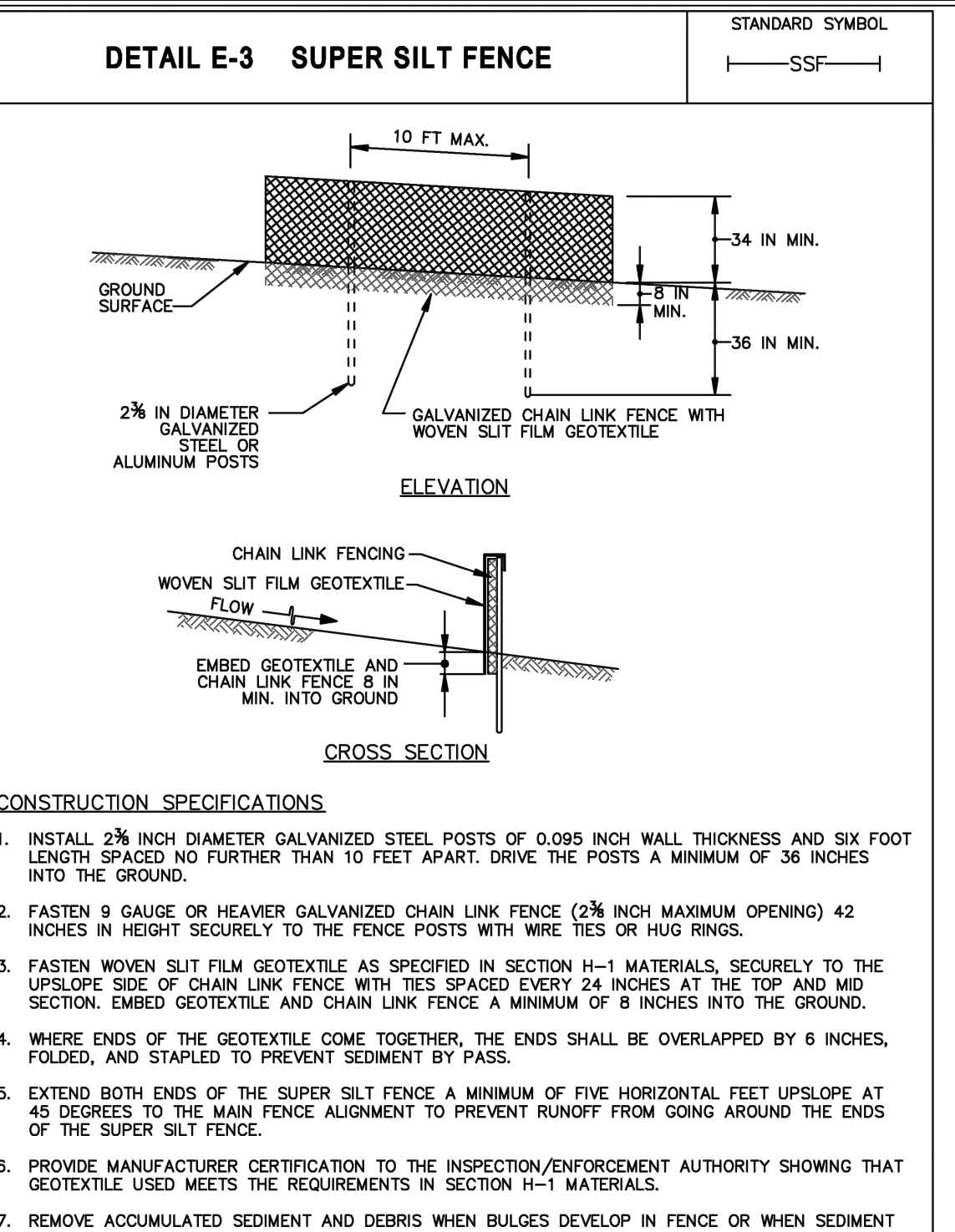
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U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION



CONSTRUCTION SPECIFICATIONS

- USE WOOD POSTS 1 1/2 x 1 1/2 x 1/4 INCH (MINIMUM) SQUARE CUT OF SOUND QUALITY HARDWOOD, AS AN ALTERNATIVE TO WOODEN POST USE STANDARD "T" OR "U" SECTION STEEL POSTS WEIGHING NOT LESS THAN 1 POUND PER LINEAR FOOT.
- USE 36 INCH MINIMUM POSTS DRIVEN 16 INCH MINIMUM INTO GROUND NO MORE THAN 6 FEET APART.
- USE WOVEN SILT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS AND FASTEN GEOTEXTILE SECURELY TO UPSLOPE SIDE OF FENCE POSTS WITH WIRE TIES OR STAPLES AT TOP AND MID-SECTION.
- PROVIDE MANUFACTURER CERTIFICATION TO THE AUTHORIZED REPRESENTATIVE OF THE INSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT THE GEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION H-1 MATERIALS.
- EMBED GEOTEXTILE A MINIMUM OF 8 INCHES VERTICALLY INTO THE GROUND. BACKFILL AND COMPACT THE SOIL ON BOTH SIDES OF FABRIC.
- WHERE TWO SECTIONS OF GEOTEXTILE ADJOIN: OVERLAP, TWIST, AND STAPLE TO POST IN ACCORDANCE WITH THIS DETAIL.
- EXTEND BOTH ENDS OF THE SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SILT FENCE.
- REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN SILT FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN, IF UNDERMINING OCCURS, REINSTALL FENCE.

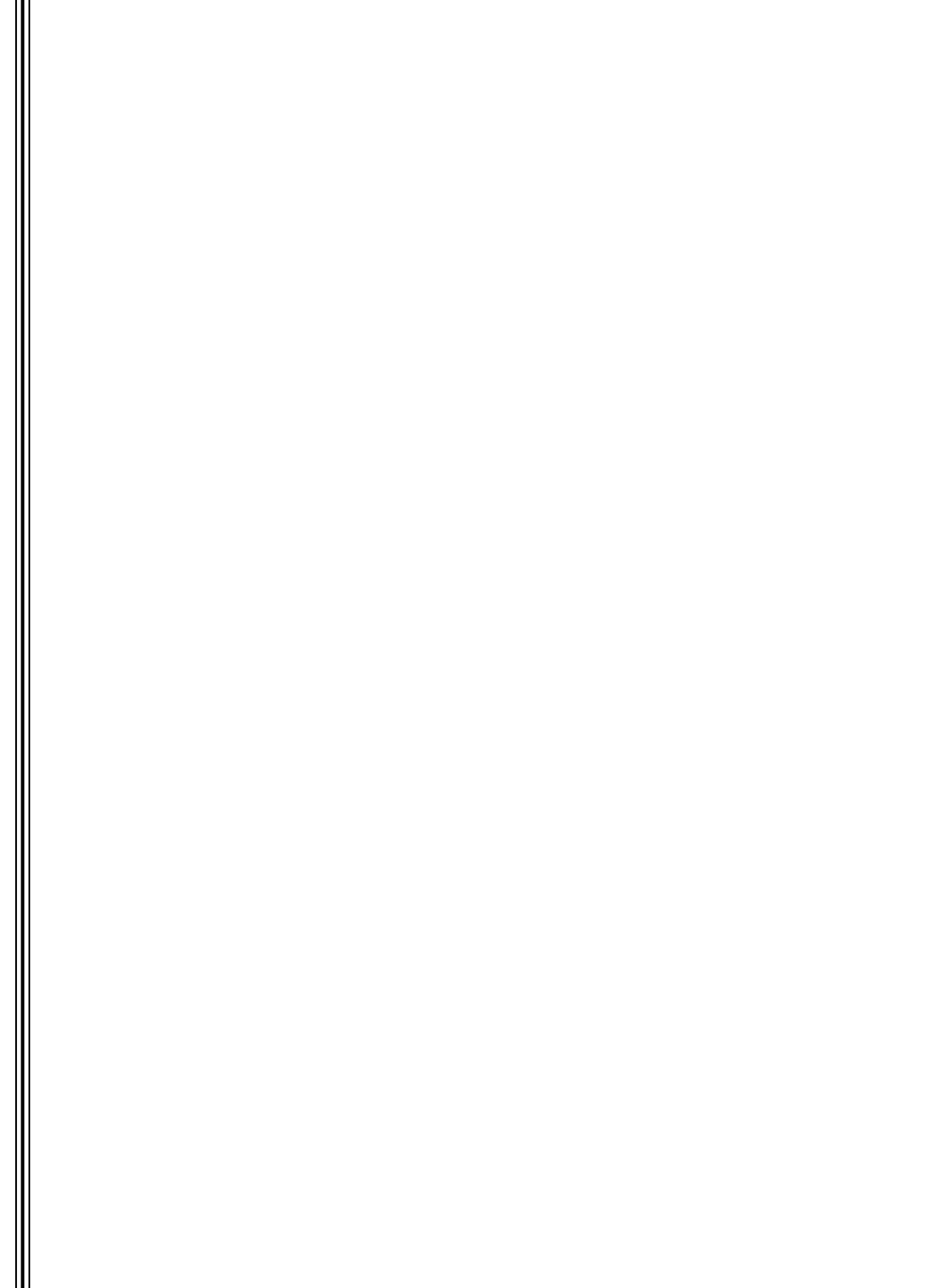
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CONSTRUCTION SPECIFICATIONS

- INSTALL 2 1/2 INCH DIAMETER GALVANIZED STEEL POSTS OF 0.095 INCH WALL THICKNESS AND SIX FOOT LENGTH SPACED NO FURTHER THAN 10 FEET APART. DRIVE THE POSTS A MINIMUM OF 36 INCHES INTO THE GROUND.
- FASTEN 9 GAUGE OR HEAVIER GALVANIZED CHAIN LINK FENCE (2 1/2 INCH MAXIMUM OPENING) 42 INCHES IN HEIGHT SECURELY TO THE FENCE POSTS WITH WIRE TIES OR HUG RINGS.
- FASTEN WOVEN SILT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS, SECURELY TO THE UPSLOPE SIDE OF CHAIN LINK FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP AND MID SECTION. EMBED GEOTEXTILE AND CHAIN LINK FENCE A MINIMUM OF 8 INCHES INTO THE GROUND.
- WHERE ENDS OF THE GEOTEXTILE COME TOGETHER, THE ENDS SHALL BE OVERLAPPED BY 6 INCHES, FOLDED, AND STAPLED TO PREVENT SEDIMENT BY PASS.
- EXTEND BOTH ENDS OF THE SUPER SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SUPER SILT FENCE.
- PROVIDE MANUFACTURER CERTIFICATION TO THE INSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT GEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION H-1 MATERIALS.
- REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN, IF UNDERMINING OCCURS, REINSTALL CHAIN LINK FENCING AND GEOTEXTILE.

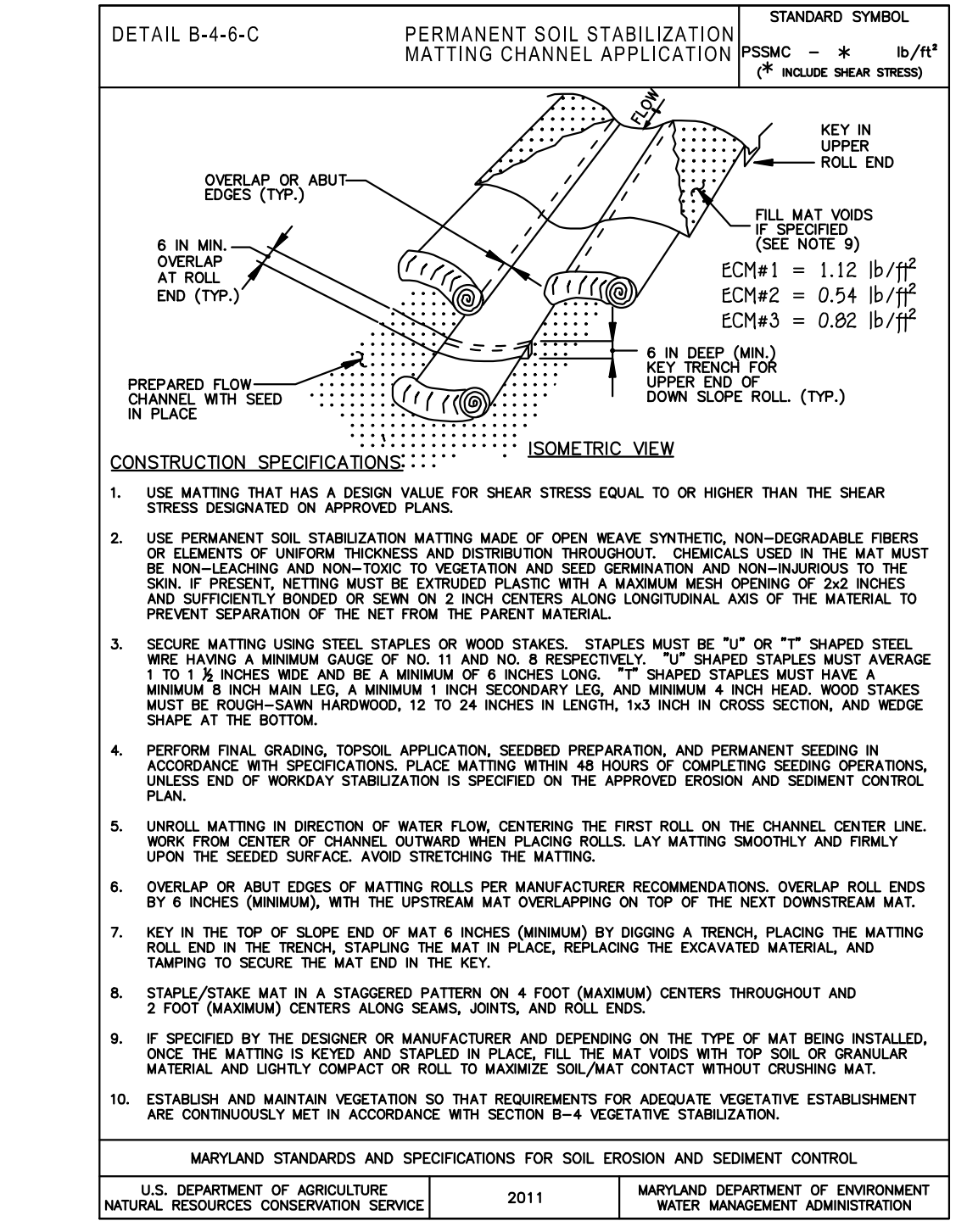
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U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION



CONSTRUCTION SPECIFICATIONS

- USE MATTING THAT HAS A DESIGN VALUE FOR SHEAR STRESS EQUAL TO OR HIGHER THAN THE SHEAR STRESS DESIGNATED ON APPROVED PLANS.
- USE PERMANENT SOIL STABILIZATION MATTING MADE OF OPEN WEAVE SYNTHETIC, NON-DEGRADABLE FIBERS OR ELEMENTS OF UNIFORM THICKNESS AND DISTRIBUTION THROUGHOUT. CHEMICALS USED IN THE MAT MUST BE NON-LEACHING AND NON-TOXIC TO VEGETATION AND SEED GERMINATION AND NON-INAUROS TO THE SOIL. IF PRESENT, NETTING MUST BE EXTRUDED PLASTIC WITH A MAXIMUM MESH OPENING OF 5/32 INCHES AND SUFFICIENTLY BONDED OR SEWN ON 2 INCH CENTERS ALONG LONGITUDINAL AXIS OF THE MATERIAL TO PREVENT SEPARATION OF THE NET FROM THE PARENT MATERIAL.
- SECURE MATTING USING STEEL STAPLES OR WOOD STAKES. STAPLES MUST BE "U" OR "T" SHAPED STEEL WIRE HAVING A MINIMUM GAUGE OF NO. 11 AND NO. 8 RESPECTIVELY. "U" SHAPED STAPLES MUST AVERAGE 1 TO 1 1/2 INCHES LONG AND BE A MINIMUM OF 8 INCHES LONG. "T" SHAPED STAPLES MUST HAVE A MINIMUM 8 INCH MAIN LEG, A MINIMUM 1 INCH SECONDARY LEG, AND MINIMUM 4 INCH HEAD. WOOD STAKES MUST BE ROUGH-SAWN HARDWOOD, 12 TO 24 INCHES IN LENGTH, 1 1/2 INCH IN CROSS SECTION, AND WEDGE SHAPE AT THE BOTTOM.
- PERFORM FINAL GRADING, TOPSOIL APPLICATION, SEEDING PREPARATION, AND PERMANENT SEEDING IN ACCORDANCE WITH SPECIFICATIONS. PLACE MATTING WITHIN 48 HOURS OF COMPLETING SEEDING OPERATIONS. UNLESS END OF WORKDAY STABILIZATION IS SPECIFIED ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.
- UNROLL MATTING IN DIRECTION OF WATER FLOW, CENTERING THE FIRST ROLL ON THE CHANNEL CENTER LINE. WORK FROM CENTER OF CHANNEL OUTWARD WHEN PLACING ROLLS. LAY MATTING SMOOTHLY AND FIRMLY UPON THE SEEDING SURFACE. AVOID STRETCHING THE MATTING.
- OVERLAP OR ABUT EDGES OF MATTING ROLLS PER MANUFACTURER RECOMMENDATIONS. OVERLAP ROLL ENDS BY 6 INCHES (MINIMUM), WITH THE UPSTREAM MAT OVERLAPPING ON TOP OF THE NEXT DOWNSTREAM MAT.
- KEY IN THE TOP OF SLOPE END OF MAT 6 INCHES (MINIMUM) BY DIGGING A TRENCH, PLACING THE MATTING ROLL END IN THE TRENCH, STAPLING THE MAT IN PLACE, REPLACING THE EXCAVATED MATERIAL, AND TAMPING TO SECURE THE MAT END IN THE KEY.
- STAPLE/STAKE MAT IN A STAGGERED PATTERN ON 4 FOOT (MAXIMUM) CENTERS THROUGHOUT AND 2 FOOT (MAXIMUM) CENTERS ALONG SEAMS, JOINTS, AND ROLL ENDS.
- IF SPECIFIED BY THE DESIGNER OR MANUFACTURER AND DEPENDING ON THE TYPE OF MAT BEING INSTALLED, ONCE THE MATTING IS KEVED AND STAPLED IN PLACE, FILL THE MAT VOIDS WITH TOP SOIL OR GRANULAR MATERIAL AND LIGHTLY COMPACT OR ROLL TO MAXIMIZE SOIL/MAT CONTACT WITHOUT CRUSHING MAT.
- ESTABLISH AND MAINTAIN VEGETATION SO THAT REQUIREMENTS FOR ADEQUATE VEGETATIVE ESTABLISHMENT ARE CONTINUOUSLY MET IN ACCORDANCE WITH SECTION B-4 VEGETATIVE STABILIZATION.

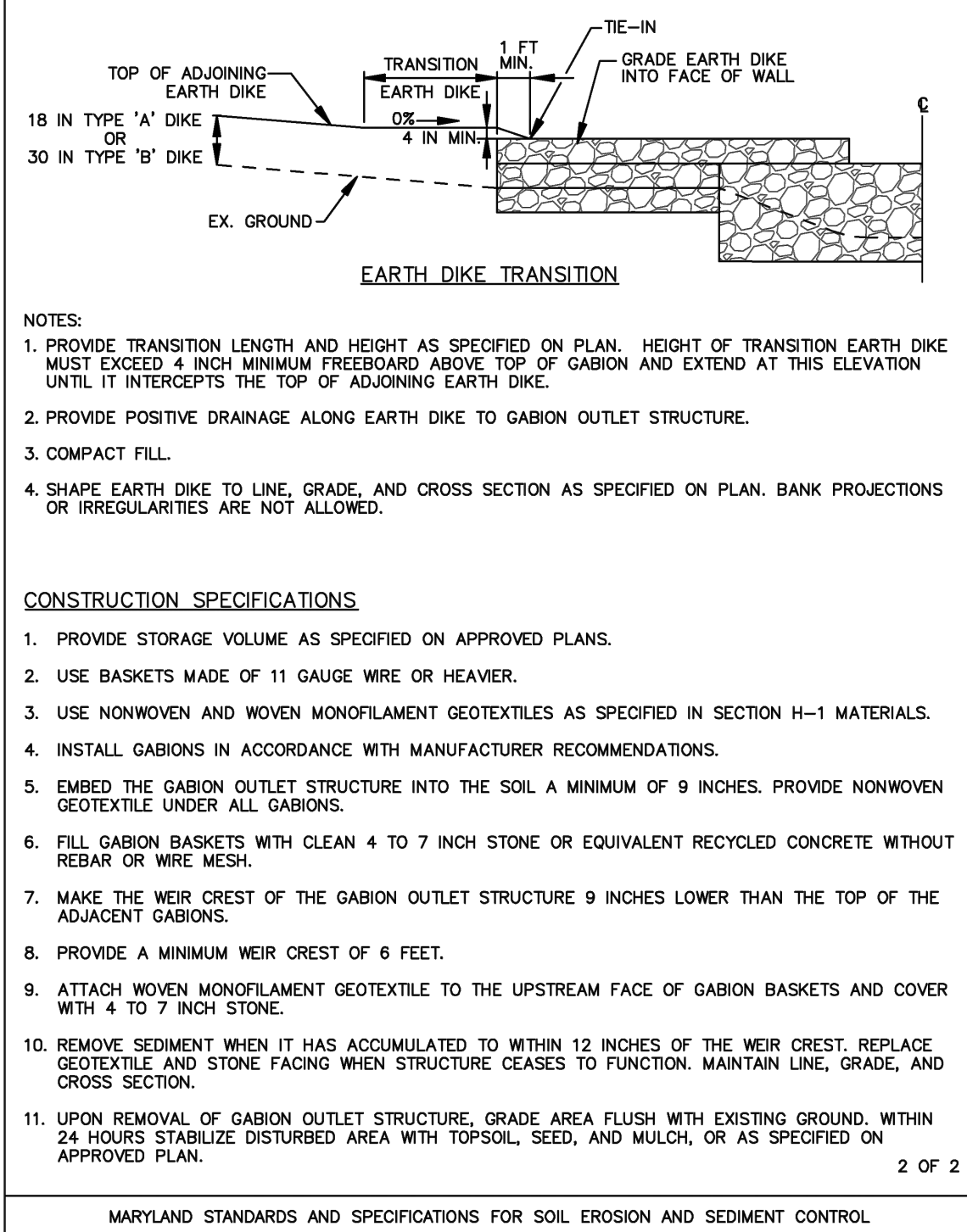
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U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION



CONSTRUCTION SPECIFICATIONS

- PROVIDE STORAGE VOLUME AS SPECIFIED ON APPROVED PLANS.
- USE BASKETS MADE OF 11 GAUGE WIRE OR HEAVIER.
- USE NONWOVEN AND WOVEN MONOFILAMENT GEOTEXTILES AS SPECIFIED IN SECTION H-1 MATERIALS.
- INSTALL GABIONS IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
- EMBED THE GABION OUTLET STRUCTURE INTO THE SOIL A MINIMUM OF 9 INCHES. PROVIDE NONWOVEN GEOTEXTILE UNDER ALL GABIONS.
- FILL GABION BASKETS WITH CLEAN 4 TO 7 INCH STONE OR EQUIVALENT RECYCLED CONCRETE WITHOUT REBAR OR WIRE MESH.
- MAKE THE WEIR CREST OF THE GABION OUTLET STRUCTURE 9 INCHES LOWER THAN THE TOP OF THE ADJACENT GABIONS.
- PROVIDE A MINIMUM WEIR CREST OF 6 FEET.
- ATTACH WOVEN MONOFILAMENT GEOTEXTILE TO THE UPSTREAM FACE OF GABION BASKETS AND COVER WITH 4 TO 7 INCH STONE.
- REMOVE SEDIMENT WHEN IT HAS ACCUMULATED TO WITHIN 12 INCHES OF THE WEIR CREST. REPLACE GEOTEXTILE AND STONE FACING WHEN STRUCTURE CEASES TO FUNCTION. MAINTAIN LINE, GRADE, AND CROSS SECTION.
- UPON REMOVAL OF GABION OUTLET STRUCTURE, GRADE AREA FLUSH WITH EXISTING GROUND. WITHIN 24 HOURS STABILIZE DISTURBED AREA WITH TOPSOIL, SEED, AND MULCH, OR AS SPECIFIED ON APPROVED PLAN.

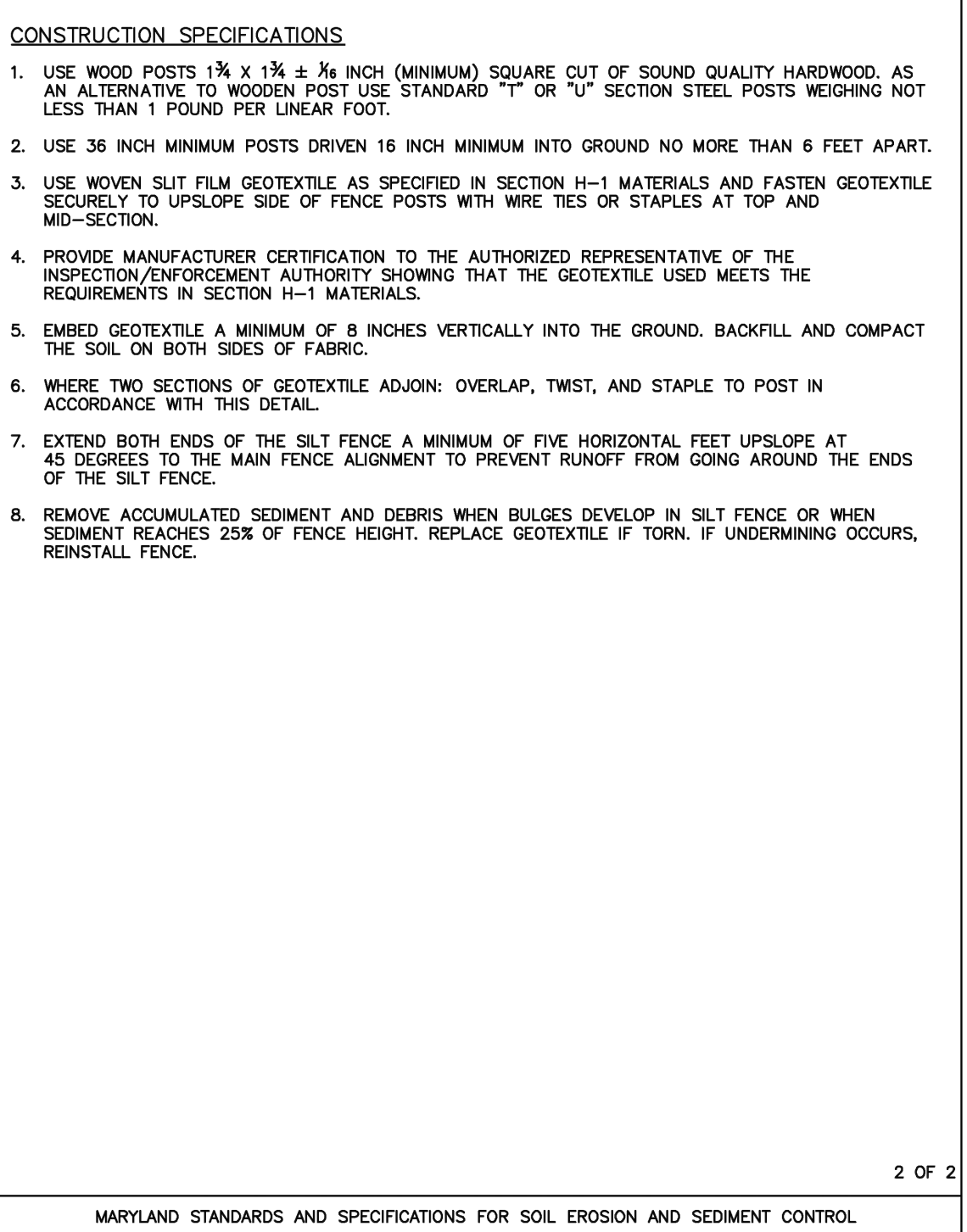
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U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION



CONSTRUCTION SPECIFICATIONS

- USE WOOD POSTS 1 1/2 x 1 1/2 x 1/4 INCH (MINIMUM) SQUARE CUT OF SOUND QUALITY HARDWOOD, AS AN ALTERNATIVE TO WOODEN POST USE STANDARD "T" OR "U" SECTION STEEL POSTS WEIGHING NOT LESS THAN 1 POUND PER LINEAR FOOT.
- USE 36 INCH MINIMUM POSTS DRIVEN 16 INCH MINIMUM INTO GROUND NO MORE THAN 6 FEET APART.
- USE WOVEN SILT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS AND FASTEN GEOTEXTILE SECURELY TO UPSLOPE SIDE OF FENCE POSTS WITH WIRE TIES OR STAPLES AT TOP AND MID-SECTION.
- PROVIDE MANUFACTURER CERTIFICATION TO THE AUTHORIZED REPRESENTATIVE OF THE INSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT THE GEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION H-1 MATERIALS.
- EMBED GEOTEXTILE A MINIMUM OF 8 INCHES VERTICALLY INTO THE GROUND. BACKFILL AND COMPACT THE SOIL ON BOTH SIDES OF FABRIC.
- WHERE TWO SECTIONS OF GEOTEXTILE ADJOIN: OVERLAP, TWIST, AND STAPLE TO POST IN ACCORDANCE WITH THIS DETAIL.
- EXTEND BOTH ENDS OF THE SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SILT FENCE.
- REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN SILT FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN, IF UNDERMINING OCCURS, REINSTALL FENCE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL		
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION



CONSTRUCTION SPECIFICATIONS

- REMOVE AND DISPOSE OF ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SO AS NOT TO INTERFERE WITH PROPER FUNCTION OF EARTHDIKE.
- EXCAVATE OR SHAPE EARTH DIKE TO LINE, GRADE, AND CROSS SECTION AS SPECIFIED. BANK PROJECTIONS OR OTHER IRREGULARITIES ARE NOT ALLOWED.
- COMPACT FILL.
- CONSTRUCT FLOW CHANNEL ON AN UNINTERRUPTED, CONTINUOUS GRADE, ADJUSTING THE LOCATION DUE TO FIELD CONDITIONS AS NECESSARY TO MAINTAIN POSITIVE DRAINAGE.
- PROVIDE OUTLET PROTECTION AS REQUIRED ON APPROVED PLAN.
- STABILIZE EARTH DIKE WITHIN THREE DAYS OF INSTALLATION. STABILIZE FLOW CHANNEL FOR CLEAR WATER DIVERSION WITHIN 24 HOURS OF INSTALLATION.
- MAINTAIN LINE, GRADE, AND CROSS SECTION. REMOVE ACCUMULATED SEDIMENT AND DEBRIS, AND MAINTAIN POSITIVE DRAINAGE. KEEP EARTH DIKE AND POINT OF DISCHARGE FREE OF EROSION, AND CONTINUOUSLY MEET REQUIREMENTS FOR ADEQUATE VEGETATIVE ESTABLISHMENT IN ACCORDANCE WITH SECTION B-4 VEGETATIVE STABILIZATION.
- UPON REMOVAL OF EARTH DIKE, GRADE AREA FLUSH WITH EXISTING GROUND. WITHIN 24 HOURS OF REMOVAL STABILIZE DISTURBED AREA WITH TOPSOIL, SEED, AND MULCH, OR AS SPECIFIED ON APPROVED PLAN.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL		
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

REVISIONS		
NO.	DESCRIPTION	DATE

Approved: Howard County Department Of Planning And Zoning

Chief, Development Engineering Division: *CHD Edmondson* 10/3/2023

Chief, Division Of Land Development: _____ Date: 10/5/2023

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21114
(410) 461 - 2995

DESIGN CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN DESIGNED IN ACCORDANCE WITH CURRENT MARYLAND EROSION AND SEDIMENT CONTROL LAWS, REGULATIONS, AND STANDARDS, THAT IT REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE, AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Signature: *Frank Manalansan II* DATE: 10/2/2023

SIGNATURE OF LICENSED PROFESSIONAL: _____ DATE: _____
FRANK JOHN MANALANSAN II MD REGISTRATION No. 21476 R.L.S.

OWNERS/DEVELOPER'S CERTIFICATE

I/WE HEREBY CERTIFY THAT ANY CLEARING, GRADING, CONSTRUCTION, OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS APPROVED EROSION AND SEDIMENT CONTROL PLAN, INCLUDING INSPECTING AND MAINTAINING CONTROLS, AND THAT THE RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF TRAINING AT A MARYLAND DEPARTMENT OF THE ENVIRONMENT (MDE) APPROVED TRAINING PROGRAM FOR THE CONTROL ON EROSION AND SEDIMENT PRIOR TO BEGINNING THE PROJECT. I CERTIFY RIGHT-OF-ENTRY FOR PERIODIC ON-SITE EVALUATION BY HOWARD COUNTY AND THE HOWARD SOIL CONSERVATION DISTRICT AND/OR MDE.

Signature: *Frank Manalansan II* DATE: 9/30/2023

SIGNATURE OF DEVELOPER: _____ DATE: _____

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

Signature: *Alexander Brathie* DATE: 10/5/2023

HOWARD SOIL CONSERVATION DISTRICT 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. 21476, EXPIRATION DATE: 7/14/25.

Signature: *Frank Manalansan II* DATE: 10/2/2023

FRANK JOHN MANALANSAN II DATE: _____



OWNER/DEVELOPER

ANDREW JAMISON AND ZUGELL JAMISON
13450 FORSYTHE ROAD
SYKEVILLE, MARYLAND 21784
410-740-1200

SEDIMENT & EROSION CONTROL DETAILS
JAMISON PROPERTY
2139 DAISY ROAD
L19196 F.146
ZONING: RC-DEO
TAX MAP 14, GRID 01, PARCEL 157
FOURTH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN
SEPTEMBER, 2023
SHEET 8 OF 10

SOIL PREPARATION, TOPSOILING AND SOIL AMENDMENTS (B-4-2)

- A. Soil Preparation
1. Temporary Stabilization
a. Seedbed preparation consists of loosening soil to a depth of 3 to 5 inches by means of suitable agricultural or construction equipment...

B. Topsoiling

- 1. Topsoil is placed over prepared subsoil prior to establishment of permanent vegetation. The purpose is to provide a suitable soil medium for vegetative growth.
2. Topsoil salvaged from an existing site may be used provided it meets the standards as set forth in these specifications...

C. Soil Amendments (Fertilizer and Lime Specifications)

- 1. Soil tests must be performed to determine the exact rates and application rates for both lime and fertilizer on sites having disturbed areas of 5 acres or more.
2. Fertilizers must be uniform in composition, free flowing and suitable for accurate application by appropriate equipment...

TEMPORARY SEEDING NOTES (B-4-4)

- 1. Select one or more of the species or seed mixtures listed in Table B.1 for the appropriate Plant Hardiness Zone (from Figure B.3), and enter them in the Temporary Seeding Summary below along with application rates and seeding depths.
2. For sites having soil tests performed, use and show the recommended rates by the testing agency. Soil tests are not required for Temporary Seeding.

Table with 4 columns: Species, Application Rate (lb/ac), Seeding Dates, Seeding Depths, Fertilizer Rate (10-20-20), Lime Rate (2 tons/ac)

PERMANENT SEEDING NOTES (B-4-5)

- A. Seed Mixtures
1. General Use
a. Select one or more of the species or mixtures listed in Table B.3 for the appropriate Plant Hardiness Zone (from Figure B.3) and based on the site condition or purpose found on Table B.2. Enter selected mixture(s), application rates, and seeding dates in the Permanent Seeding Summary.
2. Turfgrass Mixtures
a. Areas where turfgrasses may be desired include lawns, parks, playgrounds, and commercial sites which will receive a medium to high level of maintenance.

PERMANENT SEEDING SUMMARY

Table with 6 columns: No., Species, Application Rate (lb/ac), Seeding Dates, Seeding Depths, N, P2O5, K2O, Lime Rate (2 tons/ac)

STANDARD STABILIZATION NOTE
FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION MUST BE COMPLETED WITHIN:
a.) THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1); AND

STANDARDS AND SPECIFICATIONS FOR STOCKPILE AREA (B-4-6)

- Definition
The mound or pile of soil protected by appropriately designed erosion and sediment control measures.
Purpose
To provide a designated location for the temporary storage of soil that controls the potential for erosion, sedimentation, and changes to drainage patterns.
Conditions Where Practice Applies
Stockpile areas are utilized when it is necessary to store and store soil for later use.

The stockpile area must continuously meet the requirements for Adequate Vegetative Establishment in accordance with Section B-4 Vegetative Stabilization. Side slopes must be maintained at no steeper than a 2:1 ratio.

STANDARDS AND SPECIFICATIONS FOR SEEDING AND MULCHING (B-4-3)

- Definition
The application of seed and mulch to establish vegetative cover.
Purpose
To protect disturbed soils from erosion during and at the end of construction.
Conditions Where Practice Applies
To the surface of all perimeter controls, slopes, and any disturbed area not under active grading.

- A. Seeding
1. Specifications
a. All seed must meet the requirement of the Maryland State Seed Law. All seed must be subject to re-testing by a recognized seed laboratory. All seed used must have been tested within the 6 months immediately preceding the date of sowing such material on any project.
2. Application
a. Dry Seeding: This includes use of conventional drop or broadcast spreaders.

B. Mulching

- 1. Mulch Materials (in order of preference)
a. Straw consisting of thoroughly threshed wheat, rye, oat, or barley and reasonably bright in color. Straw is to be free of noxious weed seeds as specified in the Maryland Seed Law and no musty, moldy, caked, decayed, or excessively dusty. Note: Use only sterile straw mulch in areas where one species of grass is desired.
2. Application
a. Apply mulch to all seeded areas immediately after seeding.

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HOWARD SOIL CONSERVATION DISTRICT (HSCD) STANDARD SEDIMENT CONTROL NOTES

- 1. A PRE-CONSTRUCTION MEETING MUST OCCUR WITH THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS, CONSTRUCTION INSPECTION DIVISION (CID), 410-313-1959 AFTER THE FUTURE LEO AND PROTECTED AREAS ARE MARKED CLEARLY IN THE FIELD. A MINIMUM OF 48 HOUR NOTICE TO CID MUST BE GIVEN AT THE FOLLOWING STAGES:
A. PRIOR TO THE START OF EARTH DISTURBANCE, BEFORE PROCEEDING.
B. PRIOR TO THE START OF ANOTHER PHASE OF CONSTRUCTION AND SEDIMENT CONTROLS, BUT ANY OTHER EARTH WITH DISTURBANCE OR GRADING.
C. PRIOR TO THE START OF ANOTHER PHASE OF CONSTRUCTION OR OPENING OF ANOTHER GRADING UNIT, D. PRIOR TO THE REMOVAL OR MODIFICATION OF SEDIMENT CONTROL PRACTICES.

SEQUENCE OF CONSTRUCTION

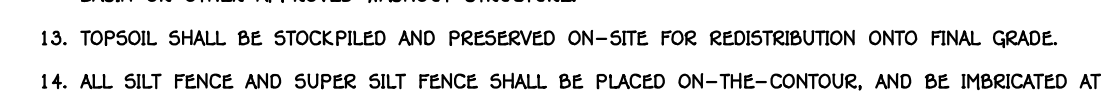
- PHASE ONE
1. OBTAIN GRADING PERMITS. (2 WEEKS)
2. NOTIFY "MISS UTILITY" AT LEAST 48 HOURS BEFORE ANY WORK AT 1-800-257-7777. NOTIFY HOWARD COUNTY OFFICE OF CONSTRUCTION/INSPECTION DIVISION AT 410-313-1870 AT LEAST 24-HOURS BEFORE STARTING ANY WORK.

PHASE TWO

- 1. OBTAIN GRADING PERMITS. (2 WEEKS)
2. NOTIFY "MISS UTILITY" AT LEAST 48 HOURS BEFORE ANY WORK AT 1-800-257-7777. NOTIFY HOWARD COUNTY OFFICE OF CONSTRUCTION/INSPECTION DIVISION AT 410-313-1870 AT LEAST 24-HOURS BEFORE STARTING ANY WORK.

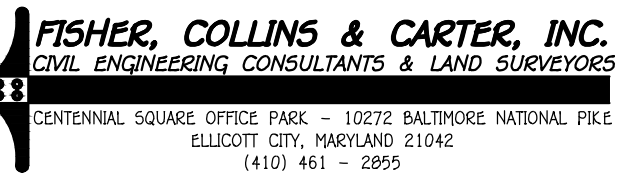
OWNER/DEVELOPER

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SYKESVILLE, MARYLAND 21784
410-740-1200



Signature of Alexander Bratchie, Date 10/5/2023, Howard Soil Conservation District.

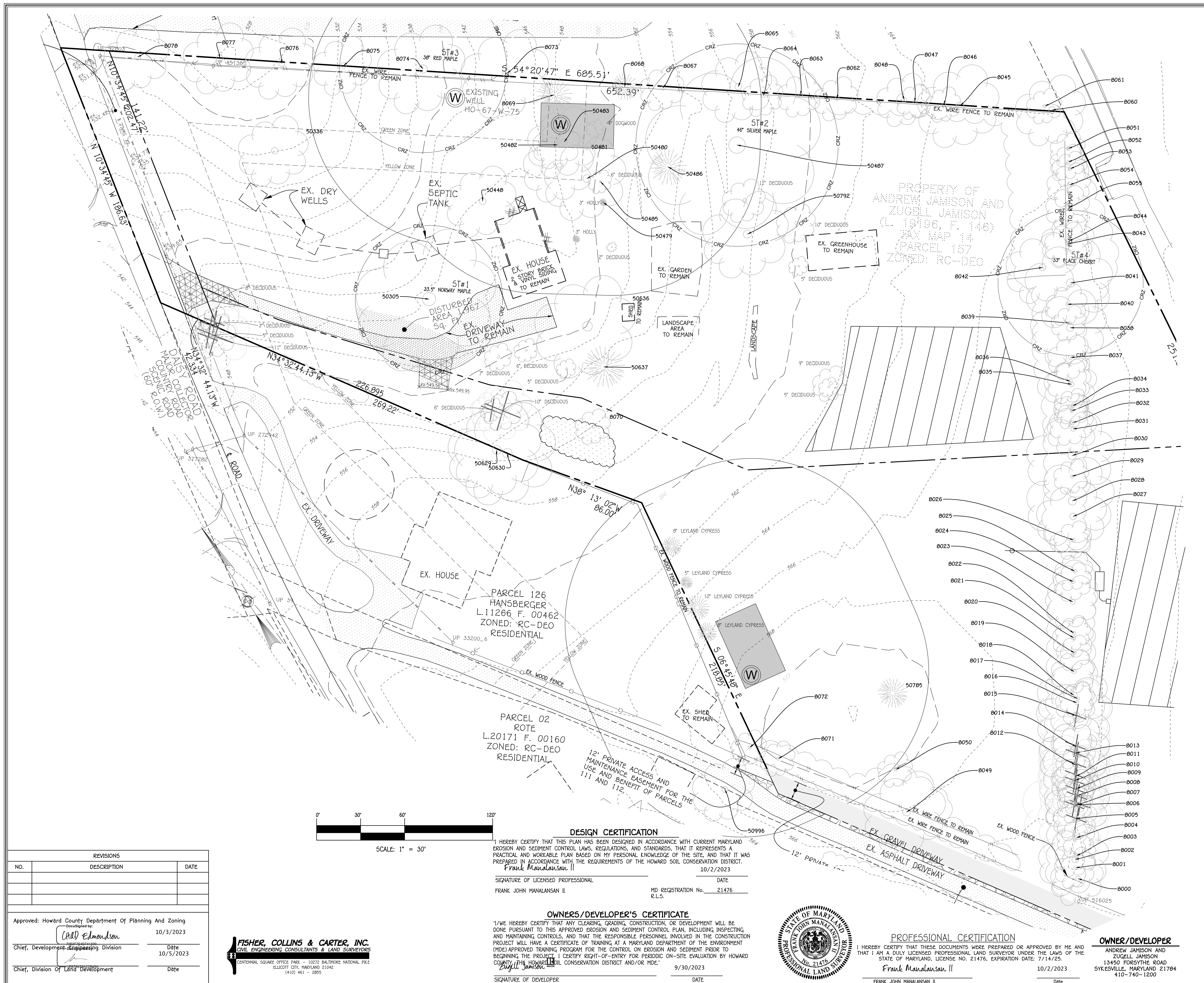
Table with 3 columns: NO., DESCRIPTION, DATE. Includes revision history and approval by Howard County Department of Planning And Zoning.



Signature of Frank John Malansan II, Date 9/30/2023, Howard Soil Conservation District.

Signature of Frank John Malansan II, Date 10/5/2023, Howard Soil Conservation District.

SEDIMENT & EROSION CONTROL NOTES
JAMISON PROPERTY
2139 DAISY ROAD
L.19196 F.146
GRID: RC-DEO
ZONING: O1
TAX MAP 14, ZONING 01, PARCEL 157
FOURTH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN
SEPTEMBER, 2023
SHEET 9 OF 10



TREE INVENTORY CHART					
Number	Species	DBH (in. dbh)	CRZ (in. dbh)	Condition	State Champion Tree (in. dbh)
8000	Black Cherry	20"	30"	Good	64"
8001	Red Maple	12"	18"	Good	86.9"
8002	Black Cherry	18"	27"	Good	64"
8003	Black Cherry	16"	24"	Good	64"
8004	Black Cherry	14"	21"	Good	64"
8005	Black Cherry	15"	22.5"	Good	64"
8006	Black Cherry	20"	30"	Good	64"
8007	Black Cherry	12"	18"	Good	64"
8008	Red Maple	14"	21"	Good	86.9"
8009	Black Cherry	13"	19.5"	Good	64"
8010	Red Maple	18"	27"	Good	86.9"
8011	Black Cherry	14"	21"	Good	64"
8012	Red Maple	14"	21"	Good	86.9"
8013	Black Cherry	25"	37.5"	Good	64"
8014	Red Maple	16"	24"	Good	86.9"
8015	Black Cherry	11"	16.5"	Good	64"
8016	Black Cherry	11"	16.5"	Good	64"
8017	Black Cherry	11"	16.5"	Good	64"
8018	Black Cherry	27"	40.5"	Good	64"
8019	Black Cherry	16"	24"	Good	64"
8020	Black Cherry	15"	22.5"	Good	64"
8021	Red Maple	13"	19.5"	Good	86.9"
8022	Black Cherry	16"	24"	Good	64"
8023	Black Cherry	11"	16.5"	Good	64"
8024	Black Cherry	13"	19.5"	Good	64"
8025	Black Cherry	11"	16.5"	Good	64"
8026	Black Cherry	16"	24"	Good	64"
8027	Black Cherry	18"	27"	Good	64"
8028	Black Cherry	29"	43.5"	Good	64"
8029	Black Cherry	12"	18"	Good	64"
8030	Black Cherry	28"	42"	Good	64"
8031	Black Cherry	18"	27"	Good	64"
8032	Black Cherry	18"	27"	Good	64"
8033	Black Cherry	14"	21"	Good	64"
8034	Black Cherry	12"	18"	Good	64"
8035	Black Cherry	20"	30"	Good	64"
8036	Black Cherry	20"	30"	Good	64"
8037	Black Cherry	14"	21"	Good	64"
8038	Black Cherry	25"	37.5"	Good	64"
8039	Black Cherry	12"	18"	Good	64"
8040	Red Maple	12"	18"	Good	86.9"
8041	Black Cherry	33"	49.5"	Very Poor, trunk rot	64"
8042	Black Cherry	23"	34.5"	Good	64"
8043	Black Cherry	15"	22.5"	Good	64"
8044	Black Cherry	22"	33"	Good	64"
8045	Tree of Heaven	28"	42"	Good	64"
8046	Tree of Heaven	12"	18"	Good	64"
8047	Red Maple	13"	19.5"	Good	86.9"
8048	Red Maple	23"	34.5"	Good	86.9"
8049	Mulberry	26"	39"	Good	64"
8050	Black Cherry	12"	18"	Good	64"
8051	Black Cherry	12"	18"	Good	64"
8052	Black Cherry	14"	21"	Good	64"
8053	Black Cherry	16"	24"	Good	64"
8054	Black Cherry	14"	21"	Good	64"
8055	Black Cherry	17"	25.5"	Good	64"
8060	Black Cherry	26"	39"	Good	64"
8061	Slippery Elm	12"	18"	Good	60.5"
8062	Black Cherry	15"	22.5"	Good	64"
8063	Red Maple	15"	22.5"	Good	86.9"
8064	Black Cherry	14"	21"	Good	64"
8065	Black Cherry	26"	39"	Good	64"
8066	White Pine	15"	22.5"	Heavy trimmed	53.5"
8067	Red Maple	23"	34.5"	Good, triple stems	86.9"
8068	White Pine	14"	21"	Good	53.5"
8069	Norway Spruce	22.5"	33.75"	Good	57.5"
8070	Black Walnut	12.5"	18.75"	Good	73.5"
8071	Black Cherry	12"	18"	Good	64"
8072	Black Cherry	12"	18"	Good	64"
8073	Red Maple	29.5"	44.25"	Good	86.9"
8074	Red Maple	38"	57"	Poor, heavily trimmed for wires	86.9"
8075	Red Maple	26"	39"	Good	86.9"
8076	Tulip-Poplar	24"	36"	Good	101.3"
8077	Red Maple	29"	43.5"	Good	86.9"
8078	Red Maple	22"	33"	Good	86.9"
50305	Norway Maple	33.5"	50.25"	Good	66.6"
50336	Tulip Poplar	22.5"	33.75"	Good	101.3"
50448	Sour Cherry	13"	19.5"	Good, Multi-stem	32.5"
50480	River Birch	22"	33"	Good	57.6"
50481	Black Cherry	22"	33"	Good	64"
50482	Black Cherry	17"	25.5"	Good	64"
50483	Black Cherry	10"	15"	Good	64"
50486	Norway Spruce	13"	19.5"	Poor condition, notable dieback	66.6"
50487	Silver Maple	46"	69"	Good	93.9"
50629	Black Cherry	25.5"	38.25"	Good	64"
50630	Black Cherry	26"	39"	Good	64"
50636	Silver Maple	25"	37.5"	Good	93.9"
50637	Norway Spruce	16.5"	24.75"	Good	66.6"
50785	Holly	12"	18"	Good	N/A
50792	Silver Maple	24"	36"	Good	93.9"
50996	Redbud	10"	15"	Good, Multi-stem	41.1"

REVISIONS		
NO.	DESCRIPTION	DATE

Approved: Howard County Department Of Planning And Zoning
 Chief, Development Engineering Division
 Chief, Division Of Land Development

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
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 Frank Manalansan II 10/2/2023
 SIGNATURE OF LICENSED PROFESSIONAL DATE
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 9/30/2023
 SIGNATURE OF DEVELOPER DATE



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