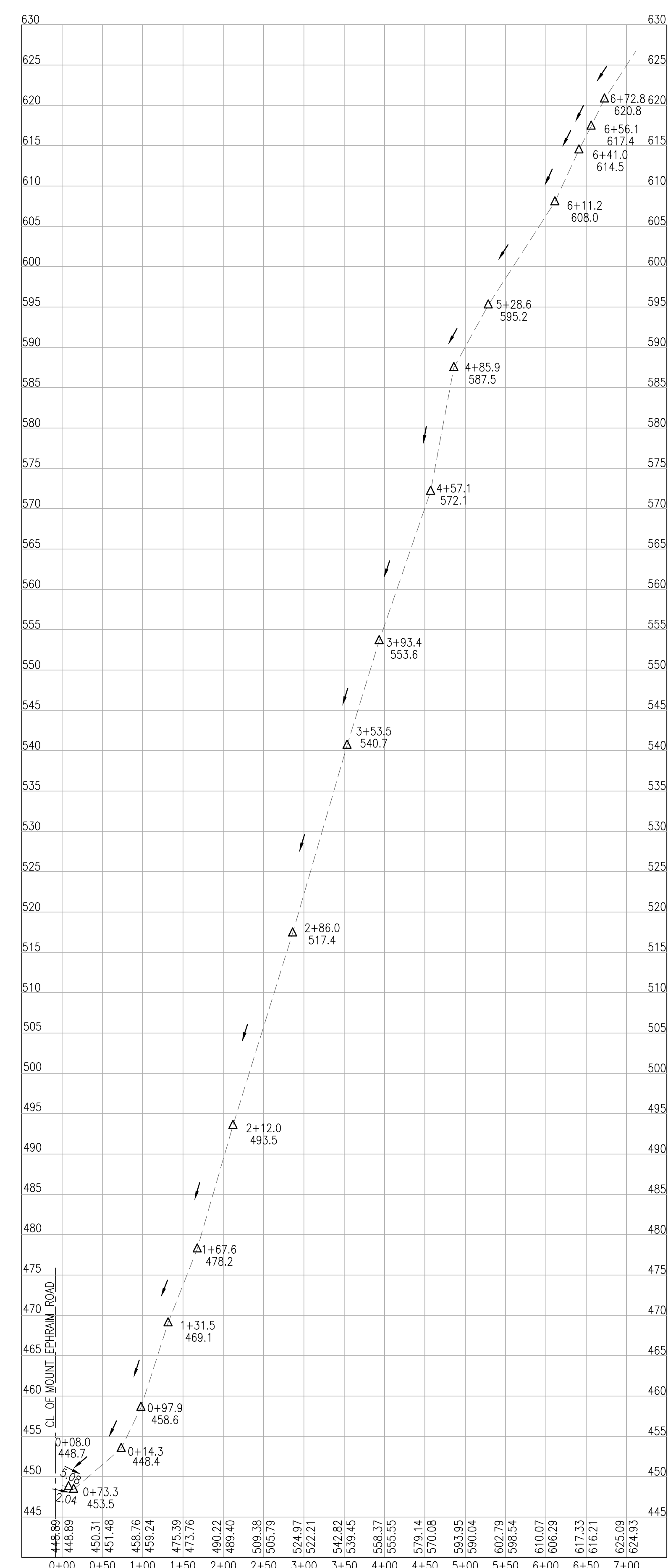
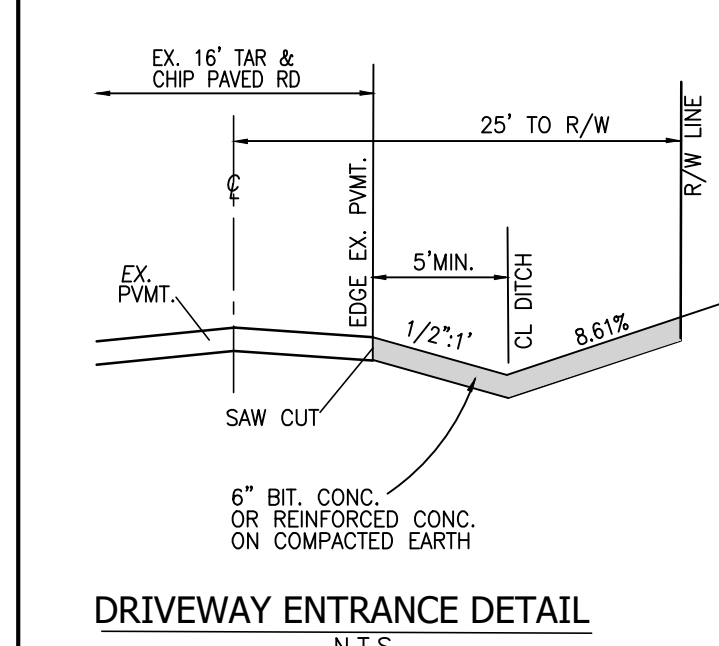
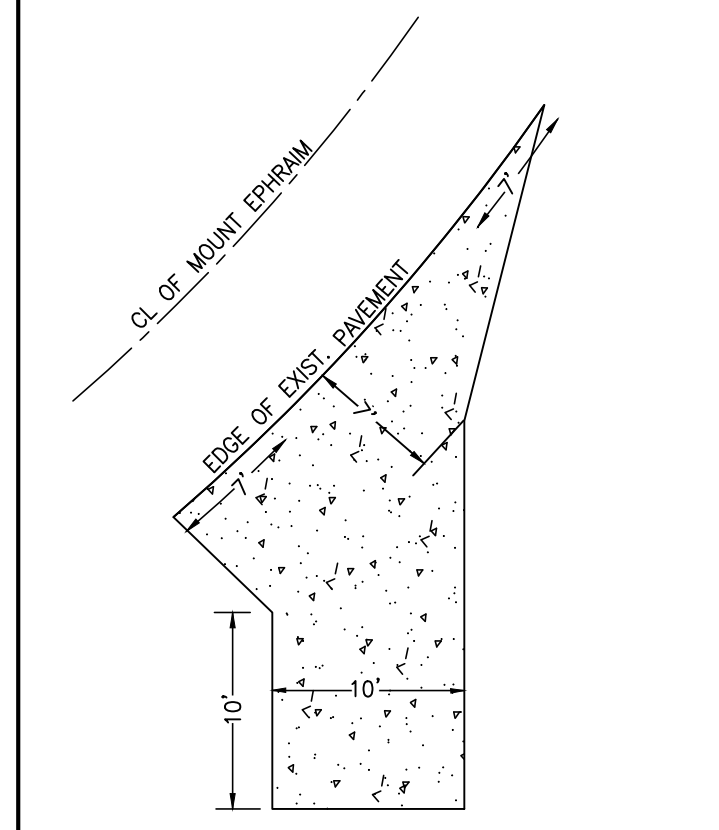
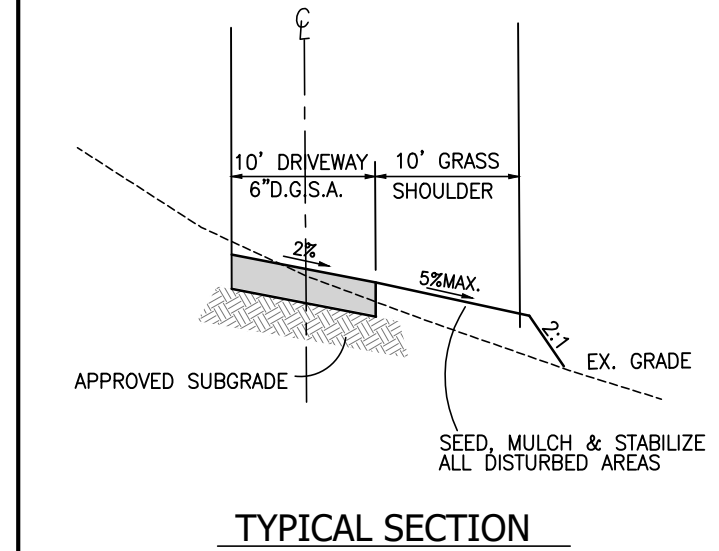


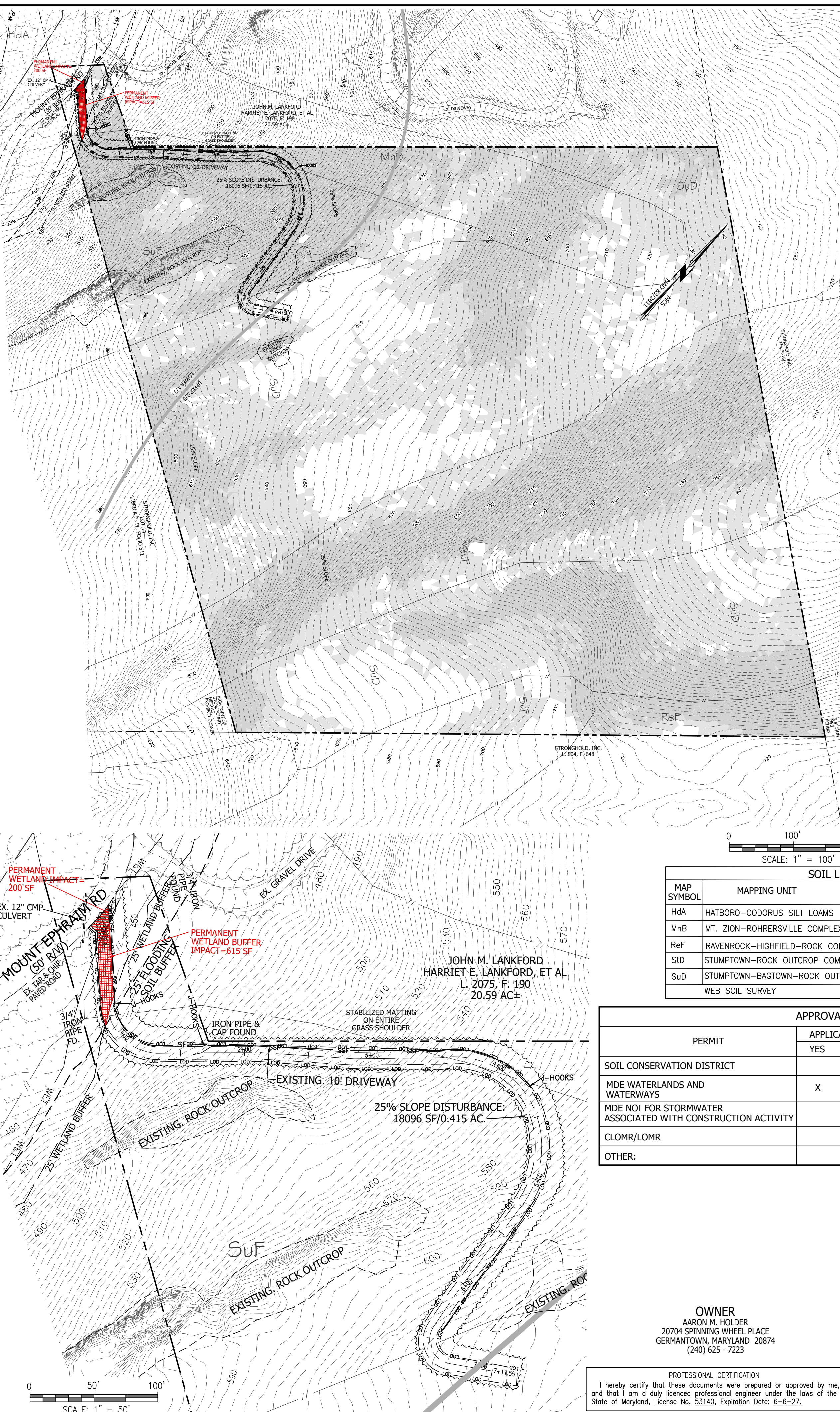
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LEGEND

EXISTING CONTOUR	---	600
PROPERTY LINES	---	
SOIL LINE	Suf	Ref
TREE LINE		
15%-24.9% SLOPE		
25% & GREATER SLOPE		
STABILIZED CONSTRUCTION ENTRANCE	SCE	
PROPOSED DRIVEWAY		
PROP. GRASS SHOULDER		
SILT FENCE	SF	SF
LIMIT OF DISTURBANCE	LOD	
SUPER SILT FENCE	SSF	SSF



DRIVEWAY PROFILE
SCALE: 1" = 100' HORIZONTAL
1" = 10' VERTICAL



CERTIFICATION OF QUANTITIES OF EXCAVATION & FILL
I HEREBY CERTIFY THAT THE ESTIMATED TOTAL AMOUNT OF AREA TO BE DISTURBED SHOWN ON THESE PLANS HAS BEEN COMPUTED TO
00 C.Y. OF EXCAVATION, 00 C.Y. OF FILL AND
THE TOTAL AREA TO BE DISTURBED AS SHOWN ON THESE PLANS HAS BEEN DETERMINED TO BE 18096 SQUARE FEET, OR 0.415 ACRES.

ENGINEER'S SIGNATURE: *[Signature]* 53140 P.E. NO.
DHAVALKUMAR B PATEL 12.16.2025 DATE
PRINT NAME

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
B) SEVEN (7) CALENDAR DAYS AS TO ALL OTHER DISTURBED OR GRADED AREA ON PROJECT SITE NOT UNDER ACTIVE GRADING.

PURPOSE STATEMENT:
PURPOSE OF THIS PLAN IS TO SHOW EXISTING 10' DRIVEWAY.

- GENERAL NOTES:**
- OWNER: AARON M. HOLDER
DEED REFERENCE: LIBER 13630 FOLIO 193 DATE: APRIL 02, 2020
TAX MAP: 110 GRID: 0000 PARCEL: 0000
 - EXISTING ZONE: RESOURCES CONSERVATION
 - FOR UNDERGROUND UTILITY LOCATION, CALL 1-800-257-777 24 HRS. PRIOR TO STARTING CONSTRUCTION.
 - SWM REQUIREMENTS FOR THE DRIVEWAY WILL BE ADDRESSED IN FUTURE WHEN SITE WILL BE FULLY DEVELOPED WITH POTENTIAL HOUSE. STORMWATER MANAGEMENT WILL BE IN ACCORDANCE WITH THE 2009 REVISIONS OF THE 2000 MD. STORMWATER DESIGN MANUAL.
 - TOPOGRAPHY FROM FREDERICK COUNTY GIS DATA, SUPPLEMENTED BY FIELD-RUN ELEVATIONS BY VANMAR ASSOCIATES, INC., SEPTEMBER 2024. CONTOUR INTERVAL IS 2' VERTICAL DATUM IS NAVD 88.
 - THERE IS NO 100 YEAR FLOOD PLAIN LOCATED ON THIS PROPERTY SHOWN ACCORDING TO FEMA FLOOD INSURANCE RATE MAP, COMMUNITY PANEL # 24021C0444E, 08/01/2023 (NOT PRINTED).
 - THERE ARE KNOWN WETLANDS OR ITS 25' BUFFERS ON THIS SITE.
 - THERE ARE NO STREAM AND WATERBODY BUFFERS ON THE SITE AND NOT WITHIN LIMIT OF DISTURBANCE.
 - NO GRADING OR STOCKPILING WILL BE ALLOWED WITHIN 15 FEET OF ANY WELL OR SEPTIC AREA.
 - THE PROPERTY ADDRESSES AND STREET SIGNS SHALL BE FABRICATED AND POSTED IN ACCORDANCE WITH THE FREDERICK COUNTY PREMISE IDENTIFICATION ORDINANCE NO. 05-01-362.
 - A FREDERICK COUNTY "UTILITIES IN THE RIGHT-OF-WAY" PERMIT SHALL BE OBTAINED PRIOR TO COMMENCING WORK WITHIN THE COUNTY ROADWAYS OR RIGHTS OF WAY. CONTACT INFORMATION IS THE OFFICE OF HIGHWAY OPERATIONS, 301-600-1562.
 - SOIL TYPE: (McC) MT. AIRY CHANNERY LOAM, (Bd) BROOKLAW BLOCKTOWN CHANNERY, (BrE) BLOCKTOWN GRAVELLY LOAM, (Gg) GLENELG CHANNERY LOAM, (HdA) HATBORO CODORUS SILT LOAM, (HdA) AND ITS 25' BUFFER LOCATED ON SITE.
 - THIS PLAN IS FOR THE SINGLE FAMILY DRIVEWAY CONSTRUCTION IN ADDITION TO ADDRESSING SWM REQUIREMENTS FOR THE SINGLE FAMILY DRIVEWAY. THIS PLAN IS NOT FOR HOUSE CONSTRUCTION. THE SWM WILL BE ADDRESSED AT LATER STAGE WHEN FULL DEVELOPMENT WILL BE PROPOSED.
 - THIS PROJECT IS EXEMPT FROM REQUIREMENT OF FOREST DELINEATION, AS LIMIT OF DISTURBANCE CLEARS LESS THAN 20,000 SQUARE FEET OF FOREST IN THE SINGLE LOT. THE PROPOSED CLEARING WILL BE ADDED TO ANY FUTURE REMOVAL AND SHOULD THE ACCUMULATIVE AMOUNT EXCEED 20,000 SF FROM MITIGATION WILL BE REQUIRED.
 - LIMIT OF DISTURBANCE ON SITE IS 18,096 SF/0.415 AC.
 - LIMIT OF DISTURBANCE WITHIN 25% SLOPE AREA: 18,096 SF/0.415 AC.

SOIL LEGEND

MAP SYMBOL	MAPPING UNIT	HYDROLOGIC SOIL GROUP	HYDRIC COMPONENTS	SLOPE
HdA	HATBORO-CODORUS SILT LOAMS	B/D	YES	0-3%
MhB	MT. ZION-ROHRERSVILLE COMPLEX	C	NO	3-8%
ReF	RAVENROCK-HIGHFIELD-ROCK COMPLEX	C	NO	25-65%
StD	STUMPTOWN-ROCK OUTCROP COMPLEX	B	NO	15-25%
SuD	STUMPTOWN-BAGTOWN-ROCK OUTCROP COMPLEX	B	NO	15-25%

WEB SOIL SURVEY

APPROVALS SUMMARY TABLE

PERMIT	APPLICABLE		TRACKING NO.	APPROVAL DATE	EXPIRATION DATE
	YES	NO			
SOIL CONSERVATION DISTRICT		X			
MDE WATERLANDS AND WATERWAYS	X				
MDE NOT FOR STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITY		X			
CLOMR/LOMR		X			
OTHER:					

OWNER/DEVELOPER'S CERTIFICATION
I HEREBY CERTIFY THAT ANY CLEARING, GRADING, CONSTRUCTION AND/OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THIS CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A MARYLAND DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I/WE ALSO CERTIFY THAT THE SITE WILL BE INSPECTED AT THE END OF EACH WORKING DAY, AND THAT ANY NEEDED MAINTENANCE WILL BE COMPLETED SO AS TO ENSURE THAT ALL SEDIMENT CONTROL PRACTICES ARE LEFT IN OPERATIONAL CONDITION. I/WE AUTHORIZE THE RIGHT OF ENTRY FOR PERIODIC ONSITE EVALUATION BY THE FREDERICK COUNTY SOIL CONSERVATION DISTRICT BOARD OR THEIR AUTHORIZED AGENTS.

AARON HOLDER 12.16.2025
SIGNATURE OWNER/DEVELOPER DATE
AARON M. HOLDER OWNER
PRINT NAME TITLE

ENGINEER
I HEREBY CERTIFY THIS PLAN HAS BEEN DESIGNED IN ACCORDANCE WITH LOCAL ORDINANCES, COMAR 26.17.01, AND 2011 MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL AND IS CONTINGENT UPON ISSUANCE OF ALL APPLICABLE REGULATORY PERMITS, IF APPLICABLE. THIS PLAN IS ALSO DESIGNED FOR PONES 90-370' AND THE POLICIES AND PROCEDURES OF THE MARYLAND DEPARTMENT OF ENVIRONMENT AND SAFETY PROGRAM.

ENGINEER'S SIGNATURE: *[Signature]* 53140 P.E. NO.
DHAVALKUMAR PATEL 12.16.2025 DATE
PRINT NAME

FILE # :
A/P # : PW277065
RECORDED :
P.B. PG.

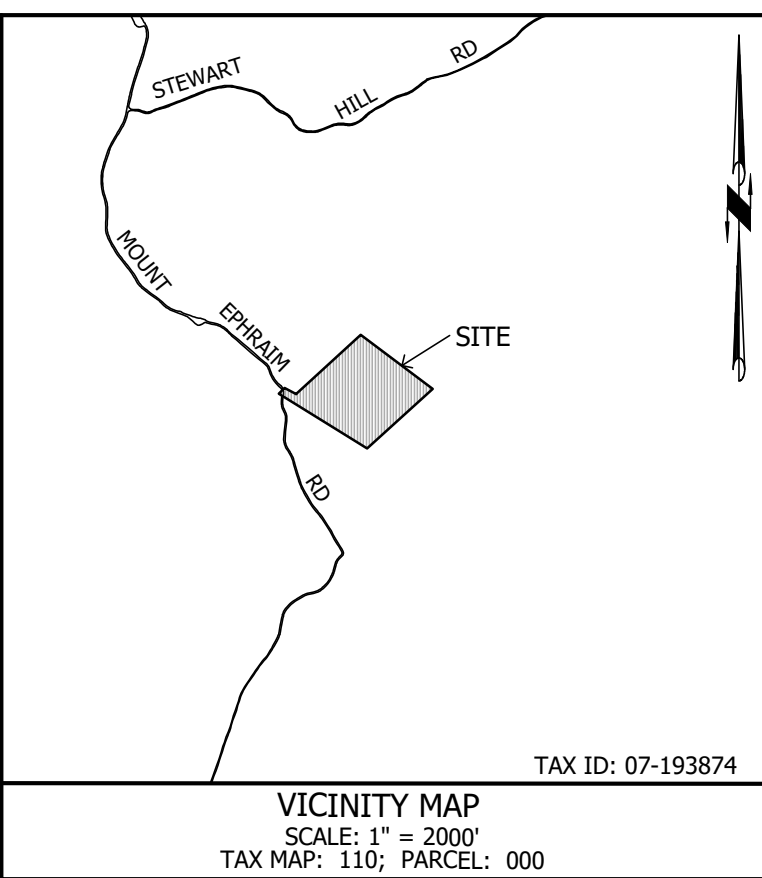
OWNER
AARON M. HOLDER
20704 SPINNING WHEEL PLACE
GERMANTOWN, MARYLAND 20874
(240) 625-7223

PROFESSIONAL CERTIFICATION
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 53140, Expiration Date: 6-6-27.

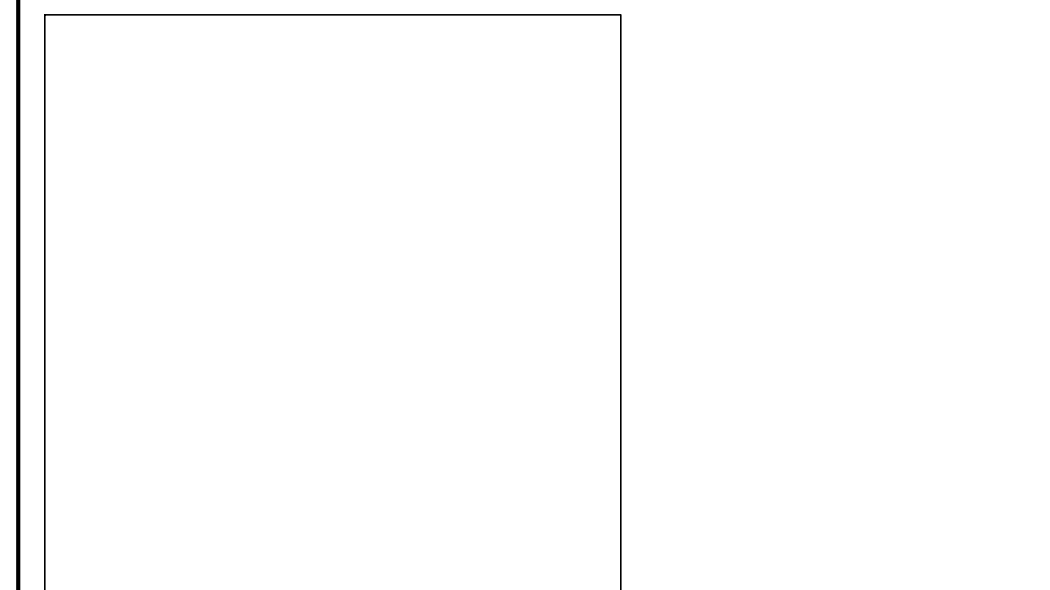
COMBINED SWM CONCEPT/DEVELOPMENT/IMPROVEMENT PLAN
DRIVEWAY ONLY
AARON M. HOLDER
LIBER 2642 AT FOLIO 186
LIBER 13630 AT FOLIO 193
SITUATED ON MOUNT EPHRAIM ROAD
URBANA ELECTION DISTRICT NO. 07
FREDERICK COUNTY, MARYLAND
SCALE: 1" = 100' OCTOBER, 2024

VANMAR ASSOCIATES, INC.
Engineers Surveyors Planners
310 South Main Street Mount Airy, Maryland 21771
(301) 829-2890 (301) 831-5015 (410) 549-2751
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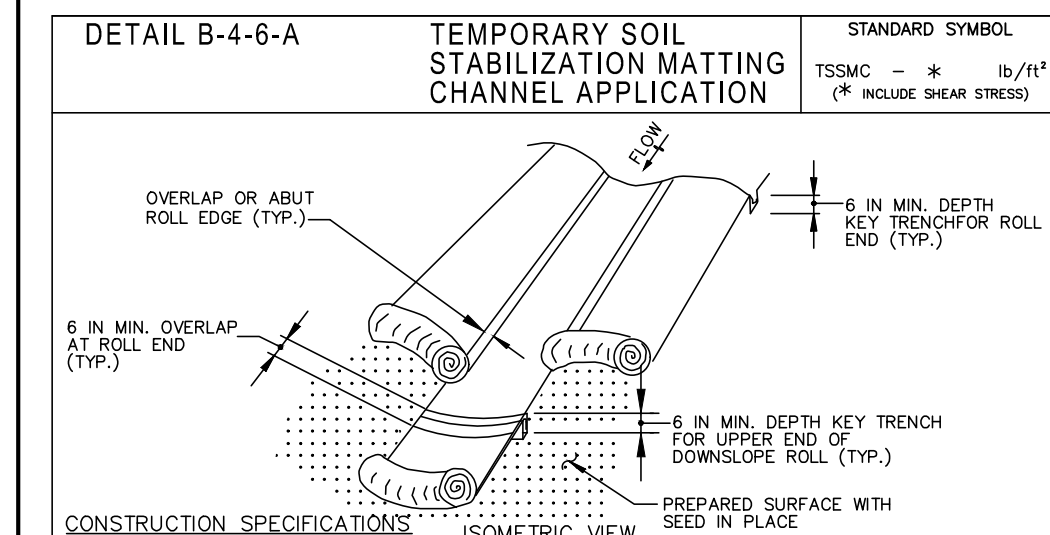
SHEET 1 OF 2



TAX ID: 07-193874



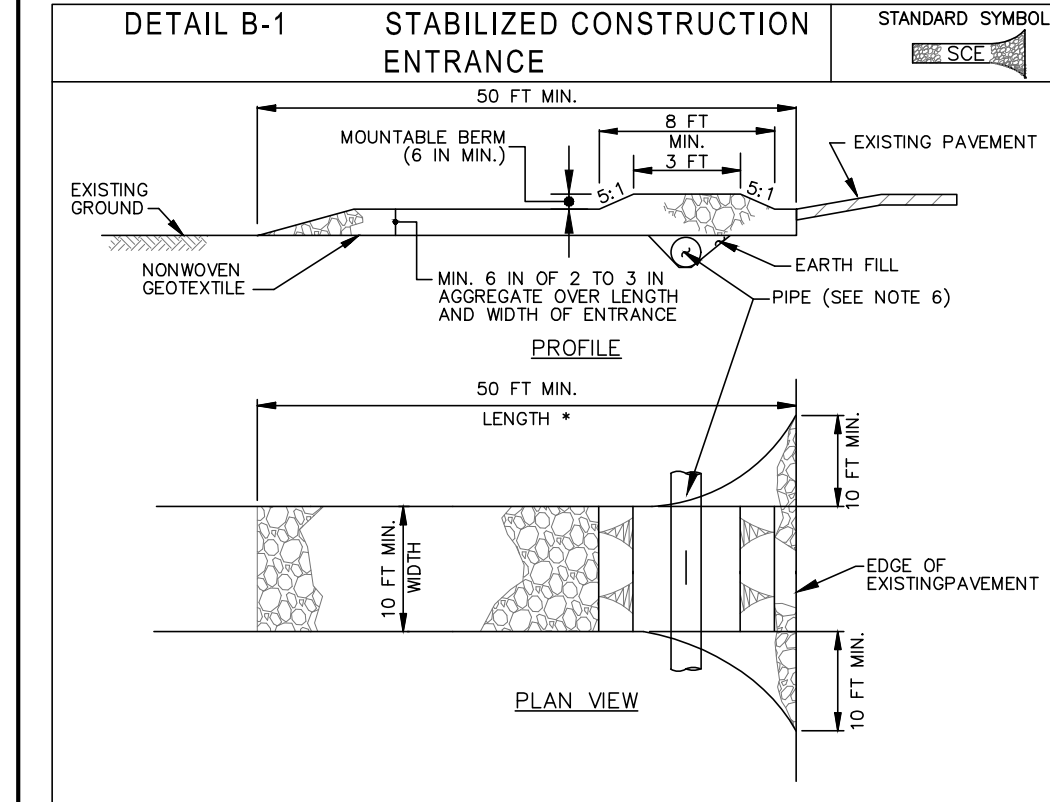
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CONSTRUCTION SPECIFICATIONS:

- USE MATTING THAT HAS A DESIGN VALUE FOR SHEAR STRESS EQUAL TO OR HIGHER THAN THE SHEAR STRESS DESIGNATED ON APPROVED PLANS.
- USE TEMPORARY SOIL STABILIZATION MATTING MADE OF DEGRADABLE (LASTS 6 MONTHS MINIMUM) NATURAL OR MAN-MADE FIBERS (MOSTLY ORGANIC). MAT MUST HAVE UNIFORM THICKNESS AND DISTRIBUTION OF FIBERS THROUGHOUT AND BE SMOOTHER RESISTANT. CHEMICALS USED IN THE MAT MUST BE NON-LEACHING AND NON-TOXIC TO VEGETATION AND SEED GERMINATION AND NON-IRRITANT TO THE SKIN. IF PRESENT, NETTING MUST BE EXTRUDED PLASTIC WITH A MAXIMUM MESH OPENING OF 2 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, WOOD STAPLES, OR BIODEGRADABLE EQUIVALENT. 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 WIDE AND BE A MINIMUM OF 6 INCHES LONG. "T" SHAPED STAPLES MUST HAVE A MINIMUM 8 INCH MAIN LEG, A MINIMUM 1 INCH SECONDARY LEG, AND A MINIMUM 4 INCH HEAD. WOOD STAPLES MUST BE ROUND-SAWN HARDWOOD, 12 TO 24 INCHES IN LENGTH, 1 1/2 INCH IN CROSS SECTION, AND WEDGE SHAPED 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 IN THE CHANNEL CENTERLINE. WORK FROM CENTER OF CHANNEL OUTWARD WHEN PLACING ROLLS. LAY MAT SMOOTHLY AND FIRMLY ON THE SEEDING SURFACE. AVOID STRETCHING THE MATTING.
- KEY-IN UPSTREAM END OF EACH MAT ROLL BY DIGGING A 6 INCH (MINIMUM) TRENCH AT THE UPSTREAM END OF THE MATTING, PLACING THE ROLL END IN THE TRENCH, STARTING THE MAT IN PLACE, REPLACING THE EXCAVATED MATERIAL, AND TAMPING TO SECURE THE MAT END.
- OVERLAP OR ABUT THE ROLL EDGES PER MANUFACTURER RECOMMENDATIONS. OVERLAP ROLL ENDS BY 6 INCHES (MINIMUM), WITH THE UPSTREAM MAT OVERLAPPING ON TOP OF THE NEXT DOWNSTREAM MAT.
- STAPLE/STAKE MAT IN A STAGGERED PATTERN ON 4 FOOT (MAXIMUM) CENTERS THROUGHOUT AND 2 FOOT (MAXIMUM) CENTERS ALONG SEAMS, JOINTS, AND ROLL ENDS.
- ESTABLISH AND MAINTAIN VEGETATION SO THAT REQUIREMENTS FOR ADEQUATE VEGETATIVE ESTABLISHMENT ARE CONTINUOUSLY MET IN ACCORDANCE WITH SECTION B-4 VEGETATIVE STABILIZATION.

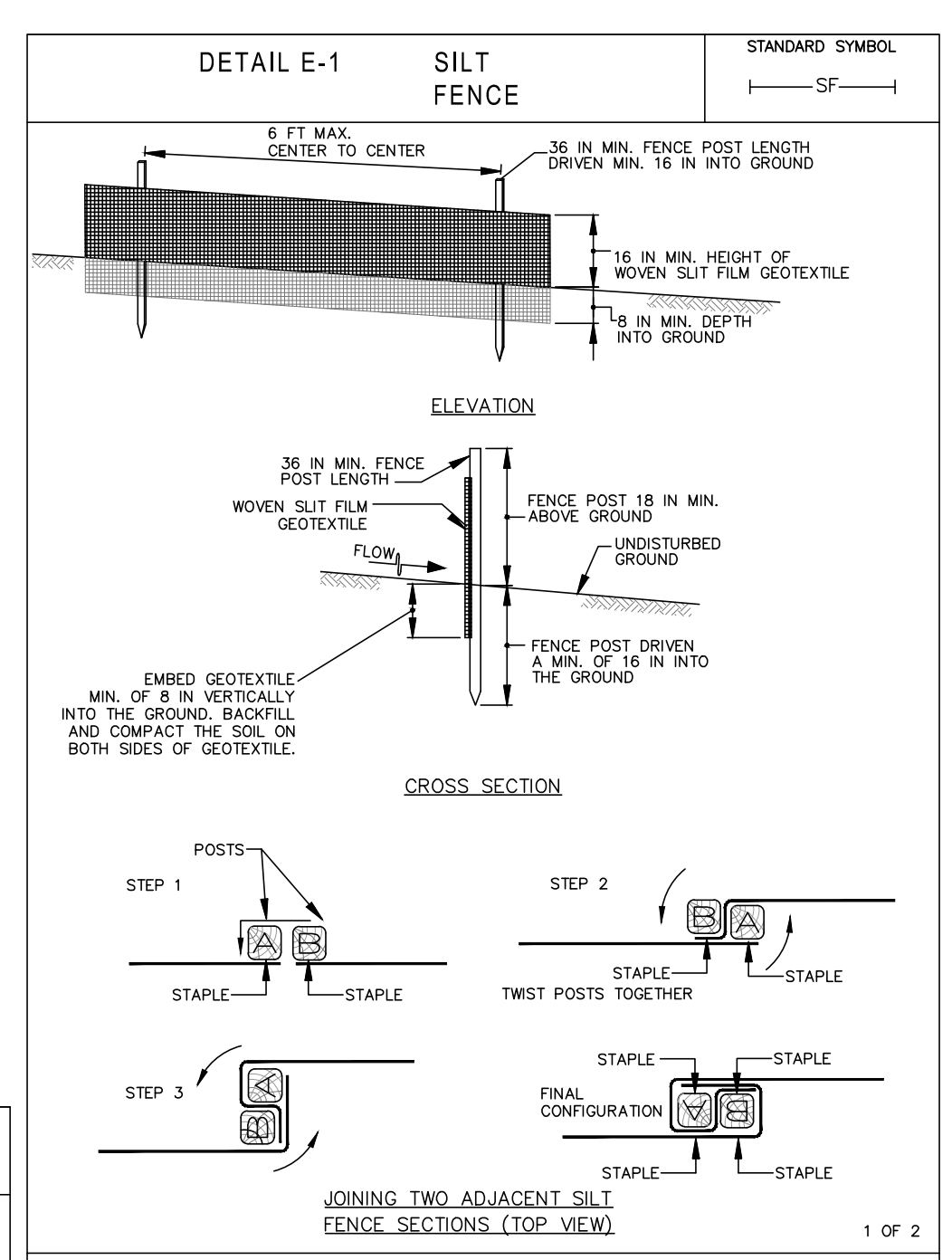
MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT AND WATER MANAGEMENT ADMINISTRATION



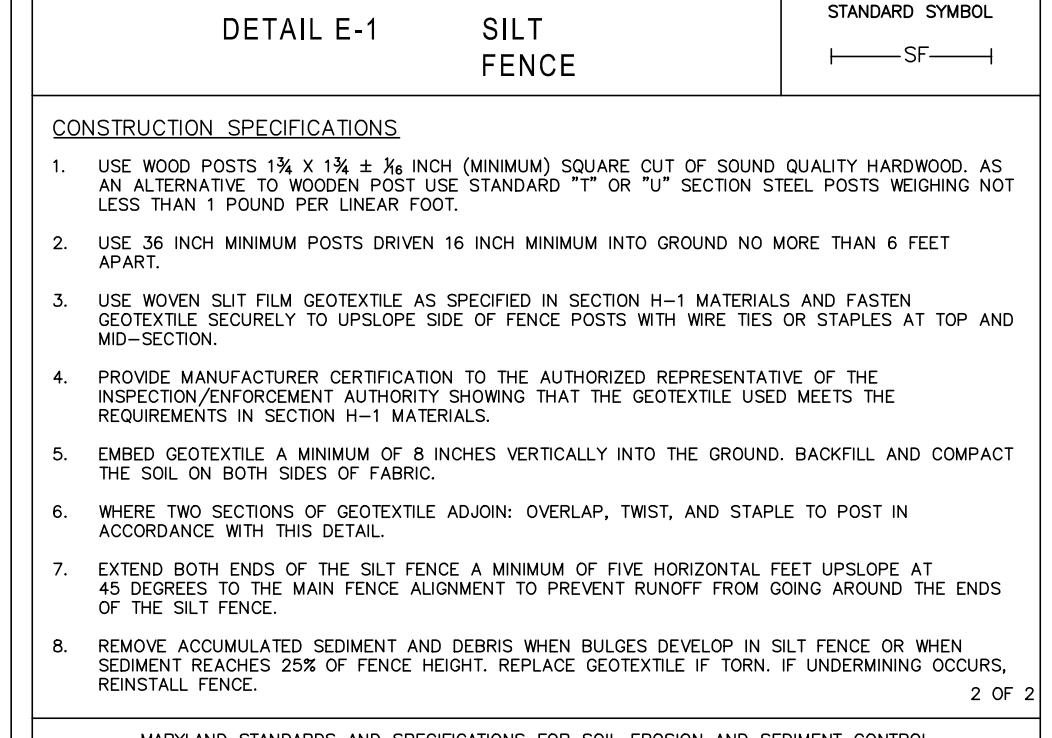
CONSTRUCTION SPECIFICATIONS:

- 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 (X30 FEET FOR SINGLE RESIDENCE LOTS). USE MINIMUM WIDTH OF 10 FEET. FLARE SCE TO 10 FEET MINIMUM AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.
- PIPE ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD THE SCE UNDER THE ENTRANCE. MAINTAINING POSITIVE DRAINAGE. PROTECT PIPE INSTALLED THROUGH THE SCE WITH A MOUNTABLE BERM WITH 5:1 SLOPES 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 CONVEY, A PIPE IS NOT NECESSARY. A MOUNTABLE BERM IS REQUIRED WHEN SCE IS NOT LOCATED AT A HIGH SPOT.
- 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 WACUUMING, SCRAPPING, AND/OR SWEEPING. WASHING ROADWAY TO REMOVE MUD TRACKED ONTO PAVEMENT IS NOT ACCEPTABLE UNLESS WASH WATER IS DIRECTED TO AN APPROVED SEDIMENT CONTROL PRACTICE.

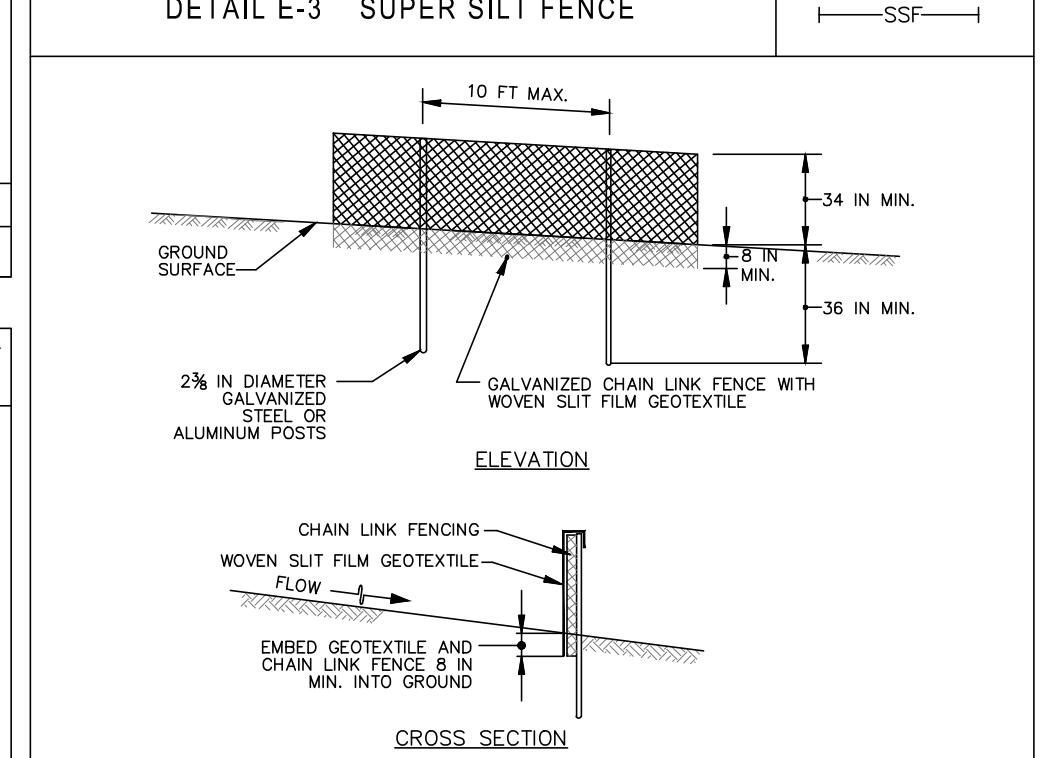
MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT AND WATER MANAGEMENT ADMINISTRATION



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



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



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 SPLIT 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.
- 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.

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

PERMANENT SEEDING NOTES

Scope: Planting permanent, long lived vegetative cover on graded and/or cleared areas and areas that have been in temporary vegetation for more than 6 months.

Standards: The following notes shall conform to Section B-4 of the "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" published jointly by the Maryland Department of Environment - Water Management Administration, the National Resource Conservation Service and the Maryland Association of Soil Conservation Districts.

The seed bed shall be prepared by loosening the soil to a depth of 3 to 5 inches and incorporating the lime and fertilizer into this loosened layer of soil. See section B-4-2.

For sites over 5 ac. soil tests will be performed. Soil tests will be conducted by the University of Maryland or a recognized commercial laboratory. Minimum soil conditions shall meet the requirements of section B-4-2-A-2-a, otherwise soil amendments or topsoil will need to be applied. Topsoiling may occur when soil conditions meet the minimum requirements as stated in section B-4-2-B. Soil amendments must meet the requirements as set forth in section B-4-2-C and must be applied as indicated by the soil tests.

For sites of 5 ac. or less of disturbance, the following fertilizer and lime rates shall apply. Fertilizer shall consist of a mixture of 10-20-20 and be applied at the following rates: N = 45 lb. per acre (1 lb. per 1000 sq.ft.), P205 = 90 lb. per acre (2 lb. per 1000 sq.ft.), K2O = 90 lb. per acre (2 lb. per 1000 sq.ft.) Lime shall be applied at a rate of 2 tons per acre (90 lb. per 1000 sq.ft.)

Seed type, turfgrass or sod application shall meet the requirements in section B-4-5. Seed tags shall be made available to the inspector to verify the type and application rate of seed used. Mulch type and its application will meet the requirements in section B-4-3 a, b and c, and will be applied along with seed or immediately after seeding.

Seeding mixtures shall be selected from or will be equal to those on Table B-3. The seeding chart below will need to be placed on and filled in on the sediment control plan

No.	Species	Application Rate (lb./ac)	Seeding Dates	Seeding Depths	Fertilizer Rate (10-20-20)			Lime Rate
					N	P205	K2O	
				1/4-1/2 in	45 pounds per acre (10 lb/1000 sq ft)	90 lb/oc (2 lb/1000 sq ft)	90 lb/oc (2 lb/1000 sq ft)	2 tons/ac (90 lb/1000 sq ft)
				1/4-1/2 in				
				1/4-1/2 in				

TEMPORARY SEEDING NOTES

Scope: Planting short term (no more than 6 Months) vegetation to temporarily stabilize any areas where soil disturbance has occurred, until the area can be permanently stabilized with vegetative or non-vegetative practices.

Standards: The following notes shall conform to Section B-4 of the "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" published jointly by the Maryland Department of Environment - Water Management Administration, the National Resource Conservation Service and the Maryland Association of Soil Conservation Districts.

The seed bed shall be prepared by loosening the soil to a depth of 3 to 5 inches and incorporating the lime and fertilizer into this loosened layer of soil. See section B-4-2.

For temporary stabilization, fertilizer shall consist of a mixture of 10-20-20 and be applied at a rate of 45 lb. per acre (10 lb. per 1000 sq. ft.) and will meet the requirements in section B-4-2. Lime shall be applied at a rate of 2 tons per acre (90 lb. per sq. ft.) and shall meet the requirements in section B-4-2 and B-4-4.

Seed type and application shall meet the requirements in section B-4-3 Seed tags shall be made available to the inspector to verify the type and rate of seed used. Mulch type and its application will meet the requirements in section B-4-3 a, b and c and will be applied along with the seed or immediately after seeding.

Seeding mixtures shall be selected from or will be equal to those on Table B.1 (page B.20).
Temporary Seeding Summary The seeding chart below will need to be placed on and filled in on the sediment control plan

No.	Species	Application Rate (lb./ac)	Seeding Dates	Seeding Depths	Fertilizer Rate (10-20-20)			Lime Rate
					N	P205	K2O	
					43 lb/oc (10 lb/1000 sq ft)		2 tons/ac (90 lb/1000 sq ft)	

VEGETATIVE SPECIFICATIONS AND NOTES

- DISTURB AS SMALL AN AREA OF THE PRESENT COVER AS POSSIBLE WHILE PERFORMING GRADING.
- ESTABLISH PERMANENT VEGETATIVE COVER IMMEDIATELY AFTER FINAL GRADING IS COMPLETED. (THIS INCLUDES ALL GRADING ON OR OFF THIS SITE THAT IS AFFECTED BY THIS CONSTRUCTION). IF FINAL GRADING IS COMPLETED AT A TIME OTHER THAN THE SEEDING SEASON, A TEMPORARY GROUND COVER SUCH AS MULCHING WILL BE USED TO STABILIZE THE BARE SOIL.
- RECOMMENDED TEMPORARY SEED MIXTURE:
SEED: BALFOUR RYE AT 150 LBS. PER ACRE
LIME: 2 TONS GROUND LIMESTONE PER ACRE
FERTILIZER: 10-10-10 AT 1,000 LBS. PER ACRE
MULCH: STRAW AT 1.5 TONS PER ACRE
ASPHALT: SS-1 OR EQUIVALENT AT 200 GAL. PER ACRE
- RECOMMENDED PERMANENT SEED MIXTURE:
SEED: KY-31 RESCUE AT 60 LBS. PER ACRE
LIME: 2 TONS GROUND LIMESTONE PER ACRE
FERTILIZER: 10-10-10 AT 1,000 LBS. PER ACRE
MULCH: STRAW AT 1.5 TONS PER ACRE
ASPHALT: SS-1 OR EQUIVALENT AT 200 GAL. PER ACRE

STANDARD STABILIZATION NOTE

FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION MUST BE COMPLETED WITHIN:

- 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
- SEVEN (7) CALENDAR DAYS AS TO ALL OTHER DISTURBED OR GRADED AREA ON PROJECT SITE NOT UNDER ACTIVE GRADING.

TEMPORARY STOCKPILE NOTE

SITE EARTHWORK HAS BEEN BALANCED SUCH THAT A TEMPORARY STOCKPILE SHOULD NOT BE NECESSARY. SHOULD CONTRACTOR DECIDE TO USE A STOCKPILE, CONTRACTOR SHALL PLACE STOCKPILE ON SUITABLE AREA OF THE SITE AND FOLLOW TEMPORARY STABILIZATION NOTES.

SEDIMENT AND EROSION CONTROL NOTES

- All erosion/sediment control measures shall comply with the "2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control" by the Maryland Department of the Environment, Water Management Administration in association with the National Resource Conservation Service and the Maryland Association of Soil Conservation Districts (referenced as the 2011 Standards and Specs).
- Areas that have been cleared and/or graded, but will not be constructed on or permanently vegetated for more than 5 days (3 days for sediment control measures and for steep slopes) must be stabilized with mulch or temporary stabilization. Any areas that are in temporary vegetation for over 6 months will need to be permanently vegetated.
- For specifications on permanent or temporary stabilization, see B-4-4 and B-4-5.
- Mulching only is restricted to use on disturbed areas as a temporary cover where vegetation is not feasible or where seeding germination cannot be completed because of weather conditions. For specifications see B-4-3, A.1.B
- For specifications on the stabilization of cut and fill slopes steeper than 3 horizontal to 1 vertical, see Incremental Stabilization B-4-1
- The existing topsoil from on or off site that is used must meet the minimum specification in B-4-2
- The required sequence of construction must be followed during site development. Any changes in the sequence of construction must be approved by the Soil Conservation District.
- Any revisions to the sediment control plan, not covered under the list of plan modifications that can be approved by the sediment control inspector, need to be submitted to the Soil Conservation District for approval.
- No proposed slope that is required to be seeded and/or mulched shall be steeper than 3 horizontal to 1 vertical. Slopes steeper than 2:1 shall require a engineered design for stabilization.
- All sediment control structures will be inspected once a week and after each rainfall and will be repaired, as needed, so that the structure meets the minimum specifications as shown in the 2011 Standards and Specs.
- The contractor is responsible for maintaining all sediment and erosion control measures until the disturbed areas are permanently stabilized.
- The district approval for this sediment control plan is good for 2 years. At the end of 2 years, if construction of the plan has not started, the plan will need to be resubmitted to the Soil Conservation District for review and re-approval. Any plans that are currently under construction after 2 years may be required to be resubmitted to the Soil Conservation District by the sediment control inspector.

UTILITY NOTE FOR SECONDARY UTILITY WORK

- ALL DISTURBANCES FROM SECONDARY UTILITY'S SUCH AS PHONE CABLE, ELECTRIC CABLE, T.V. CABLE, ETC. WILL BE SUBCONTRACTORS RESPONSIBILITY TO BRING WORK AREA BACK TO GRADE LEVEL THAT WAS EXISTING AND MUCH ANY DISTURBANCE FROM INSTALLATION OF LINES OR CONDUIT.
- SUB CONTRACTORS WILL BE RESPONSIBLE FOR RE-INSTALLING OR REPAIRING ANY SILT FENCE OR SEDIMENT CONTROLS THAT WERE EXISTING TO MAINTAIN PROPER SEDIMENT CONTROL THAT MIGHT HAVE BEEN DAMAGED.

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 B. SEVEN (7) CALENDAR DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE NOT UNDER ACTIVE GRADING.

DUST CONTROL

DUST CONTROL METHOD FOR THIS SITE TO PREVENT BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES: CALCIUM CHLORIDE SHALL BE APPLIED TO EXPOSED SURFACES AT A RATE THAT WILL KEEP SURFACE MOIST UNTIL SOIL IS STABILIZED ACCORDING TO VEGETATIVE SPECS. FOR THIS SITE AND AREAS TO BE PAVED ARE COMPLETED.

CHECKLIST FOR REQUIRED INSPECTIONS

YOU MUST NOTIFY THE FREDERICK COUNTY ENVIRONMENTAL COMPLIANCE SECTION (ECS) AT 301-600-3507 BEFORE 9 AM, 24 HRS BEFORE THE REQUIRED INSPECTION. FAILURE TO NOTIFY THIS OFFICE WILL RESULT IN A STOP WORK ORDER OR OTHER PENALTIES AS ALLOWED IN FREDERICK COUNTY CODE.

THIS LIST IS FOR SEQUENCE OF CONSTRUCTION ONLY. FREDERICK COUNTY ASSUMES NO RESPONSIBILITY OR LIABILITY FOR IMPROPER INSTALLATION OF ANY ITEM ON THIS CHECKLIST. PROFESSIONAL ENGINEER OR THEIR DESIGNEE MUST CERTIFY ALL ASPECTS OF CONSTRUCTION AND CONFORMANCE TO DESIGN REQUIREMENTS.

TYPE OF INSPECTION	DATE
1. PRE-CONSTRUCTION MEETING	
2. COMPLETION OF SEDIMENT CONTROL MEASURES (IF CONSTRUCTING A BASIN SEE #6 BELOW)	
3. PRIOR TO MODIFICATION OR REMOVAL OF SEDIMENT CONTROL	
4. INFILTRATION TESTS	
A. SITE READINESS PER SEQUENCE OF CONSTRUCTION	
B. INFILTRATION AREA PROTECTED FROM SEDIMENTATION	
C. DIMENSIONS	
D. FILTERING MATERIAL (TYPE/DEPTH)	
E. FILL MATERIAL	
F. SIZE, PLACEMENT, TYPE OF PIPING (IF APPLICABLE)	
G. OBSERVATION WELL	
H. COVER STABILIZATION	
5. OPEN CHANNEL FLOW ATTENUATION	
A. SITE READINESS PER SEQUENCE OF CONSTRUCTION	
B. CROSS-SECTION CONFORMANCE	
C. MATERIAL (TYPE/SIZE)	
D. STABILIZATION	
6. RETENTION/DETENTION STRUCTURES (BASINS/PONDS)	
A. SUBGRADE PREPARATION	
1. CORE TRENCH	
2. SUITABLE MATERIAL/COMPACTION	
B. EMBANKMENT CONSTRUCTION	
1. SUITABLE MATERIAL/COMPACTION	
2. SLOPE/GRADE	
3. DIMENSIONS	
C. BARREL AND RISER ASSEMBLY	
1. CORRECT MATERIAL ON-SITE	
2. SIZING	
3. ANTI-SLEEP COLLARS	
4. ANTI-FLOTATION DEVICE	
5. CONCRETE CRADLE (WHERE APPLICABLE)	
6. INSTALLATION/BACKFILL/COMPACTION	
D. CONTROL STRUCTURES	
1. FOOTER DIMENSIONS	
2. REINFORCING MATERIAL (TYPE, SIZE, PLACEMENT)	
3. WEIR POUR (MATERIAL, CYLINDERS, SLUMP)	
4. FORM STRIP AND FINISHING	
E. IMPOUNDING AREA	
1. LOW FLOW CHANNELS/STABILIZATION	
2. LEAKING DEVICE	
3. EMERGENCY SPILLWAY	
4. EXTENDED DETENTION DEVICE	
F. OUTFALL AREA (LEVEL SPREADER, RIP RAP CHANNEL, ETC.)	
G. VEGETATIVE STABILIZATION	
H. MISCELLANEOUS	

REQUIRED SEQUENCE OF CONSTRUCTION

- Obtain grading permit.
- Stake out all sediment control measures.
- Notify Frederick County Environmental Compliance Section (ECS) a minimum of 5 days prior to beginning of work at 301-600-3507. To set up a pre-construction meeting.
- Install stabilized conc. entrance.
- Stabilize all disturbed areas as per permanent seeding notes
- Upon approval from sediment control inspector, remove all temporary sediment control devices and stabilize all disturbed areas. Some controls may need to stay in during dormant periods for site control until building starts on proposed lots when approved by Frederick County Soil Conservation.

* THIS IS TYPICAL SEQUENCE OF CONSTRUCTION, THE SITE HAS ALREADY BEEN GRADED AND DRIVEWAY IS EXISTING.

FOR UTILITY WORK ONLY OR FOR OFF-SITE UTILITY WORK

- CAN NOT EXCEED 5,000 SQUARE FEET.
- PLACE ALL EXCAVATED MATERIAL ON HIGH SIDE OF TRENCH.
- ONLY DO AS MUCH WORK AS CAN BE DONE IN ONE DAY SO BACKFILLING, FINAL GRADING, SEEDING AND MULCHING CAN OCCUR.
- ANY SEDIMENT CONTROL MEASURES DISTURBED BY CONSTRUCTION WILL BE REPAIRED THE SAME DAY.

STACKPILE NOTES:

- NO STOCKPILING ALLOWED ON ASPHALT.
- ALL STOCKPILES LEFT AT THE END OF THE DAY NEED TO BE STABILIZED UNTIL THE NEXT DISTURBANCE.
- NO GRADING OR STOCKPILING WILL BE ALLOWED WITHIN 15 FEET OF ANY WELL OR SEPTIC AREA.

NOTE: DEPENDING ON SITE CONDITIONS, PHASING OR CONSTRUCTION SEQUENCING, AND STABILIZATION METHODS, ADDITIONAL SEDIMENT CONTROLS (OTHER THAN SHOWN HEREON) MAY BE REQUIRED BY THE INSPECTOR.

NOTE: NOTIFY THE SEDIMENT CONTROL INSPECTOR TO OBTAIN DIRECTION AS TO ANY SEDIMENT AND EROSION CONTROL CONCERNS THAT ARISE.

FOR UTILITY WORK ONLY OR FOR OFF-SITE UTILITY WORK

- CAN NOT EXCEED 5,000 SQUARE FEET.
- PLACE ALL EXCAVATED MATERIAL ON HIGH SIDE OF TRENCH.
- ONLY DO AS MUCH WORK AS CAN BE DONE IN ONE DAY SO BACKFILLING, FINAL GRADING, SEEDING AND MULCHING CAN OCCUR.
- ANY SEDIMENT CONTROL MEASURES DISTURBED BY CONSTRUCTION WILL BE REPAIRED THE SAME DAY.

OWNER/DEVELOPER'S CERTIFICATION
I/WE HEREBY CERTIFY THAT ANY CLEARING, GRADING, CONSTRUCTION AND/OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THIS CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A MARYLAND DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I/WE ALSO CERTIFY THAT THE SITE WILL BE INSPECTED AT THE END OF EACH WORKING DAY, AND THAT ANY NEEDED MAINTENANCE WILL BE COMPLETED SO AS TO ENSURE THAT ALL SEDIMENT CONTROL PRACTICES ARE LEFT IN OPERATIONAL CONDITION. I/WE AUTHORIZE THE RIGHT OF ENTRY FOR PERIODIC ON-SITE EVALUATION BY THE FREDERICK COUNTY SOIL CONSERVATION DISTRICT BOARD OR THEIR AUTHORIZED AGENTS.

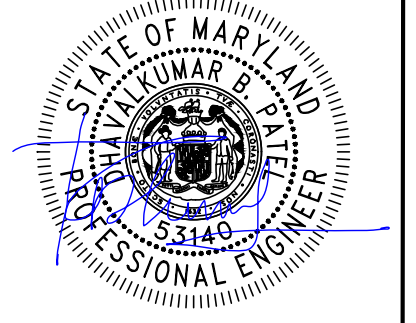
AARON HOLDER 12.16.2025
SIGNATURE OWNER/DEVELOPER DATE
AARON M. HOLDER
PRINT NAME TITLE

ENGINEER
I HEREBY CERTIFY THIS PLAN HAS BEEN DESIGNED IN ACCORDANCE WITH LOCAL ORDINANCES, COMAR 26.17.01, AND 2011 MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL AND IS CONTINGENT UPON ISSUANCE OF ALL APPLICABLE REGULATORY PERMITS IF APPLICABLE. THIS PLAN IS ALSO DESIGNED FOR PDES 10-378* AND THE POLICIES AND PROCEDURES OF THE MARYLAND DEPARTMENT OF ENVIRONMENT DAM SAFETY PROGRAM.

Dhaval Kumar Patel 53140
ENGINEER'S SIGNATURE P.E. NO.
DHAVALKUMAR PATEL 12.16.2025
PRINT NAME DATE

FILE # :
A/P # : PW277065
RECORDED:
P.B. PG.

OWNER
AARON M. HOLDER
20704 SPINNING WHEEL PLACE
GERMANTOWN, MARYLAND 20874
(240) 625 - 7223



PROFESSIONAL CERTIFICATION
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 53140, Expiration Date: 6-6-27.

COMBINED SWM CONCEPT/DEVELOPMENT/IMPROVEMENT PLAN
DRIVEWAY ONLY
AARON M. HOLDER
LIBER 2642 AT FOLIO 186
LIBER 13630 AT FOLIO 193
SITUATED ON MOUNT EPHRAIM ROAD
URBANA ELECTION DISTRICT NO. 07
FREDERICK COUNTY, MARYLAND
SCALE: 1" = 100' OCTOBER, 2024

VANMAR ASSOCIATES, INC.
Engineers Surveyors Planners
310 South Main Street Mount Airy, Maryland 21771
(301) 829-3890 (301) 831-5015 (410) 549-2751
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