

REFORESTATION PLAN

PROPOSED FOREST CLEARING: 7,976 SF
PROVIDED IN LANDSCAPE INFILTRATION: 544 SF

PLANTING CLUSTER (1-CANOPY TREE AND 3 LARGE SHRUBS) = 300 SF
PROVIDED: 11 CLUSTERS

PLANTING CLUSTER (2-UNDERSTORY TREES AND 3 LARGE SHRUBS) = 350 SF
PROVIDED: 12 CLUSTERS

TOTAL PROVIDED: 7,994 SF

BUFFER ESTABLISHMENT PLAN

PROPOSED LOT COVERAGE OUTSIDE CRITICAL AREA BUFFER: 3,631 SF
LESS LOT COVERAGE REMOVED FROM CRITICAL AREA BUFFER: 530 SF
REQUIRED BUFFER ESTABLISHMENT: 3,101 SF

PLANTING CLUSTER (1-CANOPY TREE AND 3 LARGE SHRUBS) = 300 SF
PROVIDED: 6 CLUSTERS

PLANTING CLUSTER (2-UNDERSTORY TREES AND 3 LARGE SHRUBS) = 350 SF
PROVIDED: 4 CLUSTERS

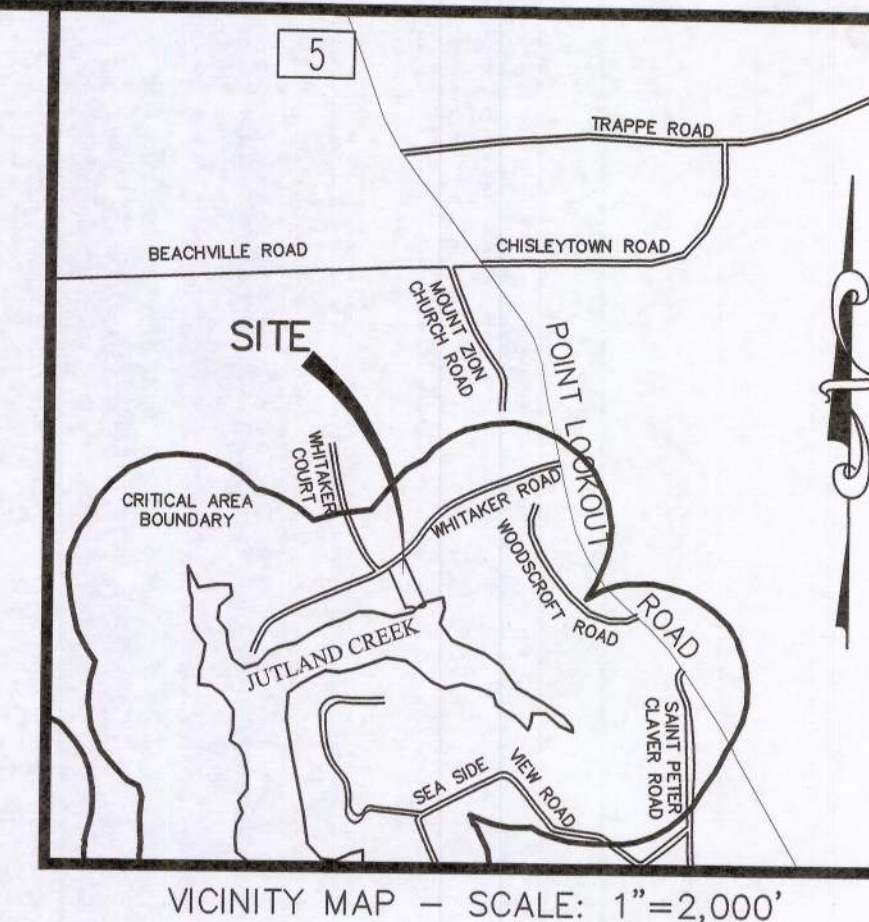
TOTAL PROVIDED: 3,200 SF

BUFFER MANAGEMENT LANDSCAPE

QUANTITY	BOTANICAL/COMMON NAME	SIZE	PLANTING DATE
6	TREES (CANOPY): Fagus grandifolia/American Beech	3/4-INCH CALIPER, 6' TALL	SPRING OR FALL MONTHS
6	Liriodendron tulipifera/Tulip Poplar		
6	Quercus palustris/Pin Oak		
6	TREES (UNDERSTORY): Asimina triloba/American Pawpaw	3/4-INCH CALIPER, 6' TALL	
6	Cornus florida/Flowering Dogwood		
6	Cercis canadensis/Eastern Redbud		
6	Amelanchier canadensis/Shadblow Serviceberry		
6	Malus coronaria/Sweet Crabapple		
20	LARGE SHRUBS: Vaccinium corymbosum/High Bush Blueberry	3' TALL	
17	Cephalanthus occidentalis/Buttonbush		
17	Ilex glabra/Hollyberry		
15	Lindera benzoin/Spicebush		
15	Morella carolinensis/Southern Bayberry		
15	Rhododendron atlanticum/Coast Azalea		

TABLE B.4.1 MATERIALS SPECIFICATIONS FOR LANDSCAPE INFILTRATION

MATERIAL	SPECIFICATION	NOTES
PLANTINGS	SEE APPENDIX A, TABLE A.4	PLANTINGS ARE SITE-SPECIFIC
PLANTING SOIL SEE DETAILS FOR DEPTH	LOAMY SAND (60-65%) & COMPOST (35-40%) OR SANDY LOAM (30%) COARSE SAND (30% & COMPOST (40%)	USDA SOIL TYPES LOAMY SAND OR SAND LOAM; CLAY CONTENT <5%
ORGANIC CONTENT	MIN. 10% BY DRY WEIGHT (ASTM D 2974)	
MULCH	SHREDDED HARDWOOD	AGED 6 MONTHS; NO PINE OR WOOD CHIPS
GRAVEL	AASHTO M-43 NO. 57 OR NO. 6 AGGREGATE (3/8" TO 3/4")	
GEOTEXTILE		PE TYPE 1 NONWOVEN



Expires 1/4/24

JUTLAND CREEK



APPROVED
AS NOTED IN RED

JUL 19 2022

CRITICAL AREA REVIEW
ST. MARY'S COUNTY
LAND USE & GROWTH MANAGEMENT

Received
DEC 22 2022

St. Mary's County
Land Use & Growth Management

LANDSCAPE INFILTRATION PLANT LIST

QUANTITY	BOTANICAL / COMMON NAME	SIZE	ROOT
2	TREES Cercis canadensis / Redbud	3/4" CAL	B&B
7	SHRUBS Itea virginica / Virginia sweetspire	3"-4"	3-GALLON
22	GROUND COVERS Eupatorium purpureum/Voe Pye Weed	3"-4"	1-QUART OR PLUG

PLANT SUBSTITUTIONS/ALTERNATIVES SHOULD BE CHOSEN FROM APPENDIX A OF VOLUME 2 OF THE 2000 MARYLAND STORMWATER DESIGN MANUAL

INSPECTIONS
ONLY

LAND USE AND GROWTH MANAGEMENT CONTROL NO: SFDD22-1364

DEPARTMENT OF LAND USE & GROWTH MANAGEMENT	HEALTH DEPARTMENT	CRITICAL AREA BUILDING PERMIT SITE PLAN FOR ALEXANDER TAIT LOT 9 - DELLE BOURNE SUBDIVISION DEED LIBER DJB 5650, FOLIO 230 FIRST ELECTION DISTRICT ST. MARY'S COUNTY, MARYLAND
DATE	DATE	DRAWING: 67194(S)SP DATE: 5/31/2022 SCALE: 1"=20' SHEET 1 OF 2
DIRECTOR	DIRECTOR	

LINEAR SURVEYS INC.
PROFESSIONAL LAND SURVEYORS
42120 ST. ANDREWS CHURCH ROAD
LEONARDTOWN, MARYLAND 20650
PHONE: (301)475-9000 FAX: (301)475-0363

NO.	DATE	DESCRIPTION	BY
1.	10/26/22	HD COMMENTS	RAM
		REVISION	

GENERAL NOTES

- THIS SITE IS LOCATED ON TAX MAP 67, GRID 18, PARCEL 194.
- PARENT ZONING: RPD/RCA OVERLAY.
- BUILDING RESTRICTION LINES SHALL BE AS SHOWN HEREON. THE BUILDING RESTRICTION LINES ARE MAPPED IN ACCORDANCE WITH THE ST. MARY'S COUNTY COMPREHENSIVE ZONING ORDINANCE 10-02 CHAPTER 32.3.2 AND SCHEDULE 32.1 FOR ZONE RPD AS FOLLOWS: 25' FRONT, 15' SIDE, AND 20' REAR APPLIED FROM THE MORE RESTRICTIVE OF THE LOT LINES OR FROM SENSITIVE AREAS MAPPED PER C20 10-02 CHAPTER 71.
- WATER SUPPLY SHALL BE FROM AN EXISTING INDIVIDUAL DEEP DRILLED WELL TO AN APPROVED CONFINED AQUIFER.
- SEWAGE FLOW SHALL BE TO A PROPOSED SAND MOUND SYSTEM DESIGNED FOR 400 GPD WITH AN INFILTRATION RATE OF 0.25GPD/SF. MOUND DESIGN COMPLETED 1/26/2021 BY ST. MARY'S COUNTY HEALTH DEPARTMENT.
- BEST AVAILABLE TECHNOLOGY FOR NITROGEN REMOVAL (BAT) AS APPROVED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT IS REQUIRED FOR THE ON-SITE SEWAGE DISPOSAL SYSTEM. SEPTIC SYSTEM IS DESIGNED FOR 400 GPD. THE PROPERTY OWNER SHALL MAINTAIN AND OPERATE ALL NEW AND EXISTING BAT SYSTEMS FOR THE LIFE OF THE SYSTEM.
- THERE ARE NO EXISTING WELLS OR SEWAGE EASEMENTS WITHIN 100' OF THE PROPOSED WELLS OR SEWAGE EASEMENTS, UNLESS OTHERWISE SHOWN.
- "MINIMUM OWNERSHIP STATEMENT" - THESE LOTS CONTAIN AT LEAST A 20,000 SQUARE FOOT AREA WHICH DOES NOT INCLUDE RIGHTS-OF-WAY (EXISTING OR PROPOSED), 50 YEAR FLOOD PLAINS AND 25% OR GREATER GRADES. THE 20,000 SQUARE FOOT AREA INCLUDES THE COMBINED AREA OF SEWAGE RESERVE AREA PLUS THE BUILDING SITE.
- PRESENT SEWER CATEGORY: NPS (NO PLANNED SERVICE).
- PRESENT WATER CATEGORY: NPS (NO PLANNED SERVICE).
- THIS BUILDING PERMIT SITE PLAN IS IN COMPLIANCE WITH THE ST. MARY'S COUNTY COMPREHENSIVE WATER AND SEWER PLAN.
- THIS SITE IS SUBJECT TO STORMWATER MANAGEMENT PURSUANT TO THE ST. MARY'S COUNTY COMPREHENSIVE ZONING ORDINANCE.
- SUBJECT PROPERTY APPEARS TO BE IN FLOOD HAZARD ZONE "AE" AS DELINEATED ON FLOOD INSURANCE RATE MAPS FOR ST. MARY'S COUNTY, MARYLAND, AS DISTRIBUTED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY, COMMUNITY PANEL NUMBER 24037C0344F, EFFECTIVE DATE NOVEMBER 19TH, 2014. THE BASE FLOOD ELEVATION IS AT 5' BASED ON NAVD 1988.
- THIS LOT WILL BE GRADED SO AS TO DRAIN SURFACE WATER AWAY FROM FOUNDATION WALLS. THE GRADE AWAY FROM THE FOUNDATION WILL FALL A MINIMUM OF 6 INCHES WITHIN THE FIRST 10 FEET.
- THIS SITE IS EXEMPT FROM THE FOREST CONSERVATION ACT PER SECTION 75.2.2.B. OF THE ST. MARY'S COMPREHENSIVE ZONING ORDINANCE.

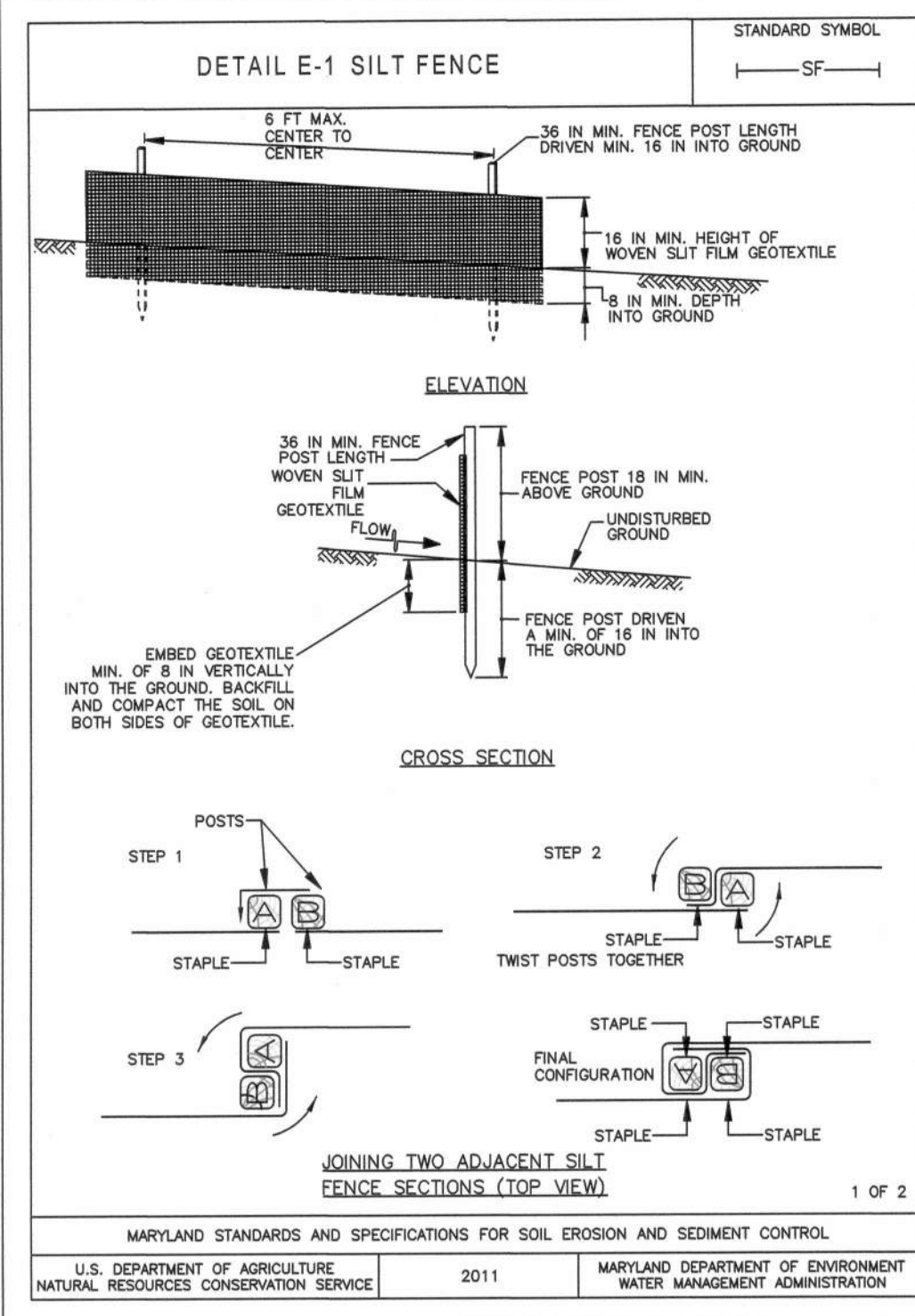
CRITICAL AREA NOTES

- THE CRITICAL AREA BUFFER MUST REMAIN IN NATURAL VEGETATION AND MAY NOT BE DISTURBED EXCEPT AS PROVIDED UNDER CHAPTER 71, SECTION 8 (HABITAT PROTECTION STANDARDS) OF THE ST. MARY'S COUNTY COMPREHENSIVE ZONING ORDINANCE (10-02, AS AMENDED).
- NO DEVELOPMENT IS PERMITTED IN WETLANDS WITHOUT APPROVAL FROM THE APPROPRIATE LOCAL, STATE, AND FEDERAL AGENCIES. THIS SITE HAS NOT BEEN FIELD EVALUATED FOR TIDAL OR NON-TIDAL WETLANDS.
- ALL EXISTING FOREST SHOWN HEREON SHALL REMAIN UNDISTURBED EXCEPT AS PERMITTED UNDER THE PROVISIONS OF CHAPTER 72 (FOREST AND WOODLAND RESOURCES, IN THE CRITICAL AREA) OF THE ST. MARY'S COUNTY COMPREHENSIVE ZONING ORDINANCE. ANY AND ALL AFFORESTED OR REFORESTED AREA CREATED UNDER THE PROVISIONS OF THE ST. MARY'S COUNTY CRITICAL AREA ORDINANCE AND DESIGNATED ON THIS PLAT SHALL BE PRESERVED FROM FUTURE DISTURBANCE.
- LOCATIONS OF NATURAL HERITAGE AREAS, HABITATS OF THREATENED OR ENDANGERED SPECIES, AND HABITATS OF SIGNIFICANT PLANTS OR WILDLIFE ARE IDENTIFIED ON THIS PLAT IN ACCORDANCE WITH SECTION 71.8 OF THE ST. MARY'S COUNTY COMPREHENSIVE ZONING ORDINANCE.
- EXISTING LOT COVERAGE WITHIN 100 FOOT CRITICAL AREA BUFFER IS 530 SQ. FT.
- AREA OF SLOPES 15% OR GREATER IS 7,161 SQ. FT.
- EXISTING TREES OR FORESTED AREA IS 64,060 SQ. FT.
- AREA OF EXISTING LOT COVERAGE IS 11,056 SQ. FT.
- PROPOSED AREAS OF VEGETATION CLEARING IS 7,976 SQ. FT.
- PROPOSED AREAS OF SOIL DISTURBANCE IS 23,753 SQ. FT.
- PROPOSED AREAS OF LOT COVERAGE IS 4,205 SQ. FT.
- REQUIRED AREAS OF REFORESTATION OR AFFORESTATION IS 11,607 SQ. FT.

FOREST INTERIOR DWELLING SPECIES HABITAT NOTES

- DEVELOPMENT ACTIVITIES INCLUDING CLEARING, GRADING, AND CONSTRUCTION SHALL BE MINIMIZED DURING THE MAY-AUGUST BREEDING SEASON.
- UNAVOIDABLE DEVELOPMENT ACTIVITIES OR OTHER DISTURBANCES DURING THE MAY TO AUGUST BREEDING SEASON SHALL BE FOCUSED ON THE PERIPHERY OF THE AREA (ROADS, UTILITY LINES, CORRIDORS, AND STRUCTURES).
- CONTINUOUS COVER OF BRANCHES AND FOLIAGE FORMED BY THE CROWNS OF ADJACENT TREES (FOREST CANOPY) AND TREES AND SHRUBS UNDERNEATH THE CANOPY (UNDERSTORY VEGETATION) SHOULD BE RETAINED IN SO FAR AS POSSIBLE.
- CLEARING AND DEVELOPMENT ACTIVITIES SHOULD BE CLUSTERED AND CREATION OF SMALL CLEARINGS SHOULD BE MINIMIZED.
- WHERE FOREST MUST BE CLEARED, THE CLEARED FOREST SHOULD BE ALLOWED OR ENCOURAGED TO RETURN TO NATIVE VEGETATION IN SO MUCH AS POSSIBLE.

N/F
LAURIE TAYLOR QUADE
TLC 4962/446
USE: R



SOIL CONSERVATION GENERAL NOTES

- APPROVAL BY THE INSPECTION SHALL BE REQUESTED UPON COMPLETION OF THE INSTALLATION OF THE PERIMETER EROSION CONTROLS AND BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING.
- APPROVAL SHALL BE REQUESTED UPON FINAL STABILIZATION OF ALL SITES BEFORE REMOVAL OF SEDIMENT CONTROLS.
- SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL SHALL BE THE 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
- FOLLOWING WITH SOIL DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN:
 - THREE CALENDAR MONTHS FOR ALL PERMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1) AND
 - SEVEN DAYS AS TO ALL DISTURBED OR GRADED AREAS IN THE PROJECT SITE.
- TEMPORARY SEEDING SCHEDULE:

TEMPORARY SEEDING SUMMARY

HARDINESS ZONE 7A FROM TABLE B.1					FERTILIZER RATE (10-20-20)	LIME RATE
NO.	SPECIES	APPLICATION RATE (LB/AC)	SEEDING DATES	SEEDING DEPTHS		
1	BARLEY	96	2/15 - 4/30 8/15 - 11/30	1/4" - 1/2"	436 LB/AC (10 LB/1000 SF)	2 TONS/AC (90 LB/1000 SF)
2	OATS	72	2/15 - 4/30 8/15 - 11/30	1/4" - 1/2"		
3	CEREAL RYE	112	2/15 - 4/30 8/15 - 12/15	1/4" - 1/2"		

NOTE: USE OF THIS INFORMATION DOES NOT PRECLUDE MEETING ALL OF THE REQUIREMENTS OF THE 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. VEGETATIVE PRACTICES.

PERMANENT SEEDING SUMMARY

SEED MIXTURE (HARDINESS ZONE 7A)					FERTILIZER RATE				LIME RATE
NO.	SPECIES	APPLICATION RATE (LB/AC)	SEEDING DATES	SEEDING DEPTHS	N	P ₂ O ₅	K ₂ O		
1	COASTAL PANIC GRASS	10	3/1-5/15	1/4" - 1/2"	(1 LB/ 1000 SF)	(2 LB/ 1000 SF)	(2 LB/ 1000 SF)	2 TONS/AC	
1	CREEPING RED FESCUE	15	8/15-9/15	1/4" - 1/2"	(1 LB/ 1000 SF)	(2 LB/ 1000 SF)	(2 LB/ 1000 SF)	2 TONS/AC	
2	PARTIRIDGE PEA	2			45 LB/AC	90 LB/AC	90 LB/AC	1000 SF	

** OTHER MIXES MAY BE USED AS RECOMMENDED BY THE SOIL CONSERVATION DISTRICT.

UTILITY INSTALLATION NOTES

ALL TRENCHES OR HOLES CREATED FOR UTILITY INSTALLATION SHALL BE BACKFILLED, COMPACTED, AND STABILIZED AT THE END OF EACH WORKING DAY. EXCAVATED TRENCH MATERIAL SHALL BE PLACED ON THE HIGH SIDE OF THE TRENCH OR HOLE. NO MORE TRENCH/HOLE SHALL BE OPENED THAN CAN BE STABILIZED THE SAME DAY. IF AN AREA MUST BE LEFT UNSTABILIZED OVERNIGHT, SILT FENCE WILL BE PLACED IMMEDIATELY DOWNSTREAM OF ALL DISTURBED AREAS AND ROCKS, MULCH, AND APPROPRIATE SAFETY MEASURES WILL BE INSTALLED AS REQUIRED. IF TRENCHING IS DONE AT 3:1 SLOPES OR GREATER, DISTURBED AREA TO BE STABILIZED WITH EROSION CONTROL MATTING.

SEQUENCE OF CONSTRUCTION

- PHASE 1 THE CONTRACTOR SHALL NOTIFY THE SOIL CONSERVATION DISTRICT OFFICE FOR A PRE-CONSTRUCTION MEETING AT LEAST FIVE (5) DAYS BEFORE THE DATE OF THE PRE-CONSTRUCTION MEETING AT 401-475-8402 EXT. 3. THE CONTRACTOR SHALL NOTIFY MDE, ENFORCEMENT DIVISION AT 410-537-3510 OR MDE, SEDIMENT STORMWATER ADMINISTRATION, 1800 WASHINGTON BLVD., BALTIMORE, MD 21202 AT LEAST 48 HOURS PRIOR TO COMMENCING CLEARING AND GRADING AND ONCE THE PRE-CONSTRUCTION MEETING HAS BEEN HELD WITH ST. MARY'S SOIL CONSERVATION DISTRICT.
- PHASE 2 CLEAR AND GRUB AREAS NECESSARY FOR INSTALLATION OF PERMETER CONTROLS, INSTALL ALL PERMETER CONTROLS (SILT FENCE, SMART FENCE, EARTH DIKE, MOUNTABLE BERM), THE EXISTING GRAVEL DRIVEWAY WILL SERVE AS THE CONSTRUCTION ENTRANCE. NOTIFY MDE INSPECTOR AT 410-537-3510 ONCE PERMETER CONTROLS HAVE BEEN INSTALLED.
- PHASE 3 REMAINING CLEARING AND GRUBBING, ROUGH GRADING OF SITE FOR DRIVEWAY, GARAGE, AND BUILDING CONSTRUCTION ARE TO BE IMMEDIATELY STABILIZED WITH TEMPORARY STABILIZATION. LANDSCAPE INFILTRATION TO BE PROTECTED FROM COMPACTION DURING CONSTRUCTION ACTIVITIES BY RIGGING IT IN SILT FENCE OR BLACK ORANGE CONSTRUCTION FENCE. ANY COMPACTION WHICH OCCURS IN AREAS WHERE LANDSCAPE INFILTRATION IS TO BE INSTALLED WILL BE CORRECTED BEFORE LANDSCAPE INFILTRATION IS TO BE INSTALLED. RUNOFF TO BE DIVERTED AND USE OF HEAVY EQUIPMENT AVOIDED TO MINIMIZE COMPACTION IN AREAS DESIGNATED FOR LANDSCAPE INFILTRATION. LANDSCAPE INFILTRATION FACILITY CANNOT BE INSTALLED UNTIL ALL CONTRIBUTORY DRAINAGE AREAS HAVE BEEN PERMANENTLY STABILIZED.
- PHASE 4 FINAL GRADING AND CONSTRUCTION OF DRIVEWAY, BUILDING, AND SEPTIC SYSTEM. PERMANENTLY STABILIZE DISTURBED AREAS WITH A MINIMUM 4" OF TOPSOIL, SEED AND MULCH.
- PHASE 5 FINAL GRADING AND CONSTRUCTION OF LANDSCAPE INFILTRATION ONCE ALL CONTRIBUTORY DRAINAGE AREAS HAVE BEEN PERMANENTLY STABILIZED. PERMANENTLY STABILIZE DISTURBED AREAS WITH A MINIMUM 4" OF TOPSOIL, SEED AND MULCH.
- PHASE 6 REMOVE ALL TEMPORARY SEDIMENT CONTROLS UPON APPROVAL BY MDE INSPECTING AUTHORITY AND PERMANENTLY STABILIZE THE SEDIMENT CONTROL AREAS WITH A MINIMUM 4" OF TOPSOIL, SEED AND MULCH.

CONSTRUCTION TIMING

- PHASE 1 ONE DAY
- PHASE 2 THREE (3) DAYS TO ONE (1) WEEK
- PHASE 3 TWO (2) WEEKS TO ONE (1) MONTH
- PHASE 4 SIX (6) MONTHS TO EIGHT (8) MONTHS
- PHASE 5 THREE (3) DAYS TO TWO (2) WEEKS
- PHASE 6 THREE (3) DAYS TO ONE (1) WEEK

DEVELOPER'S CERTIFICATION

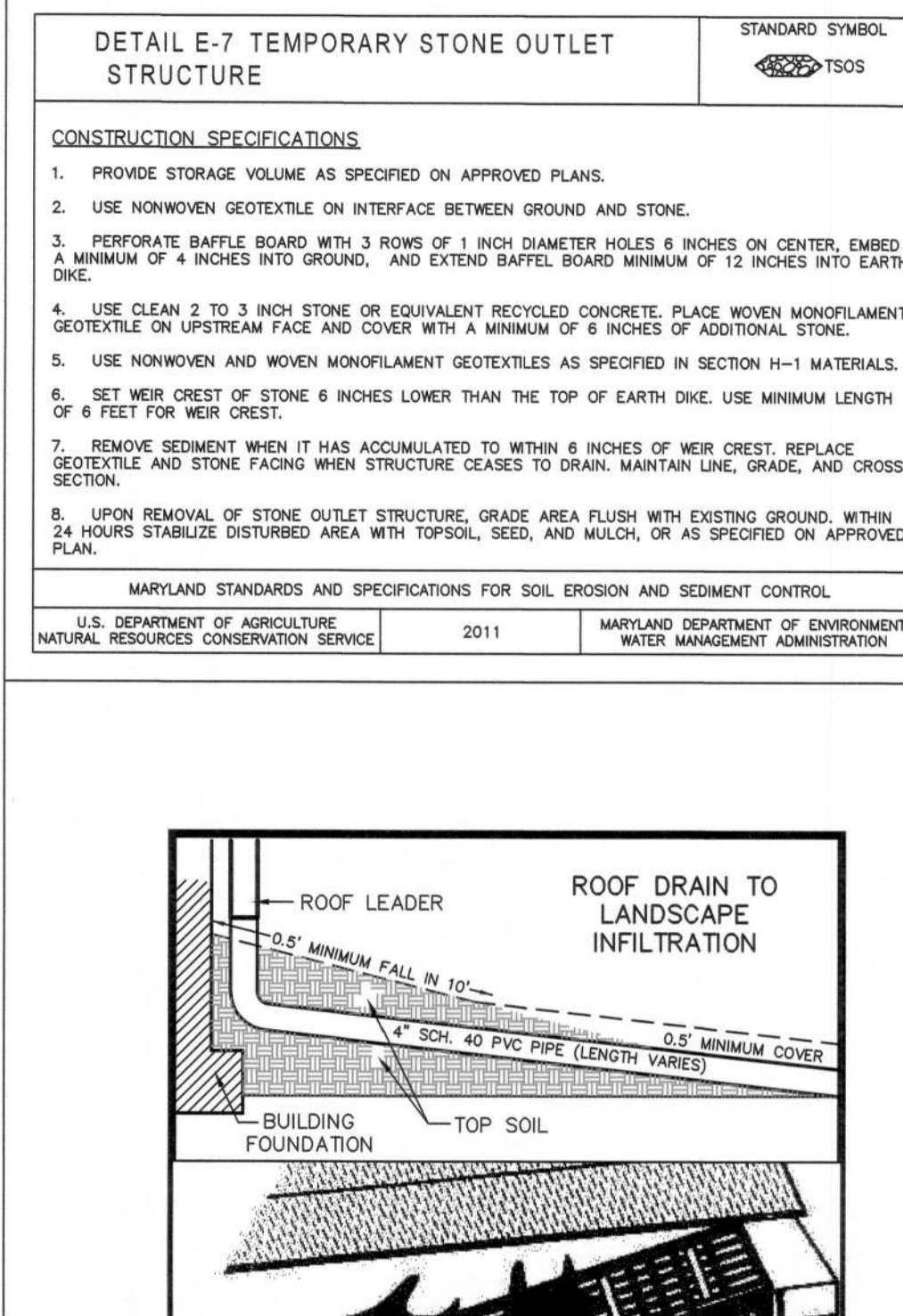
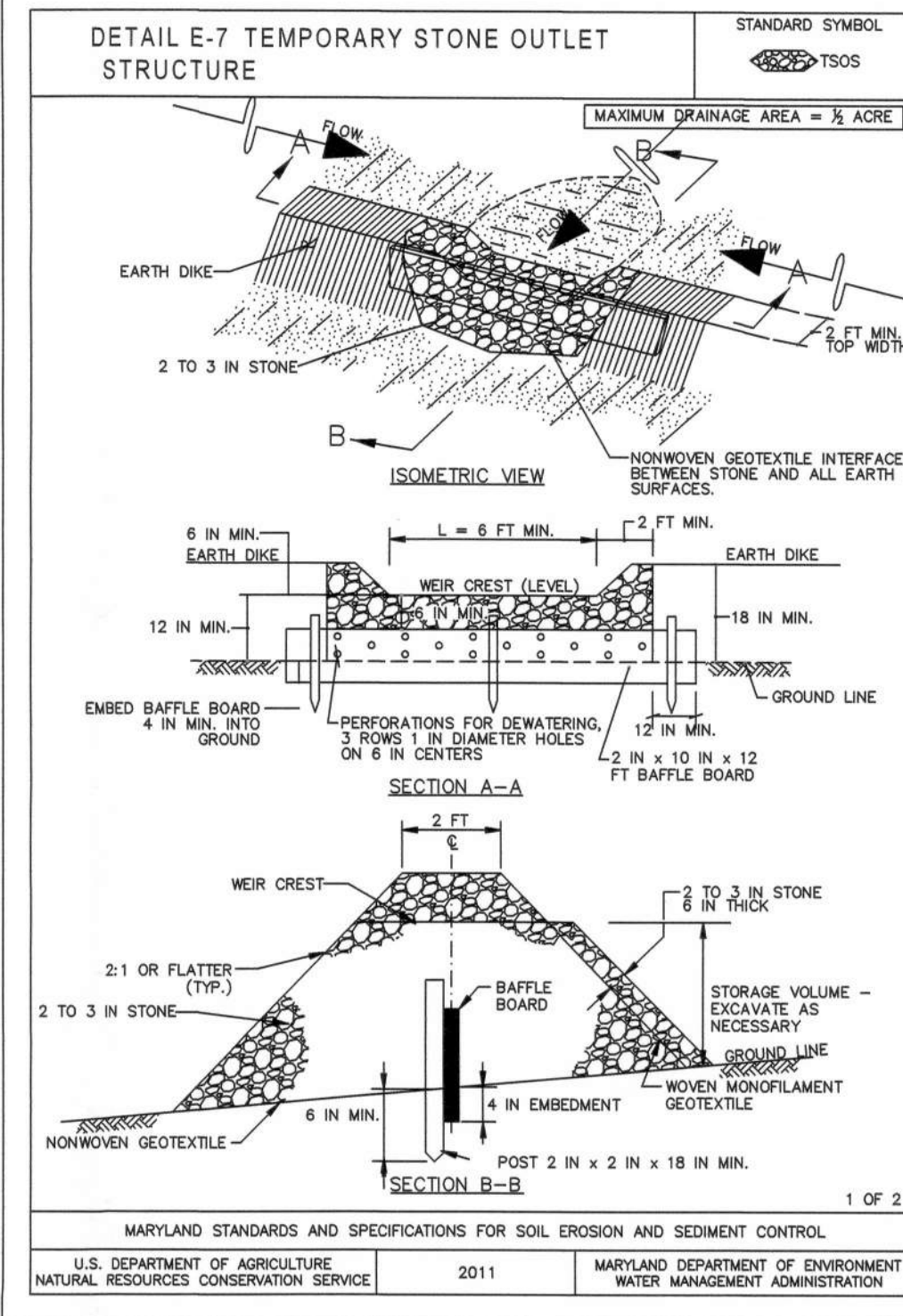
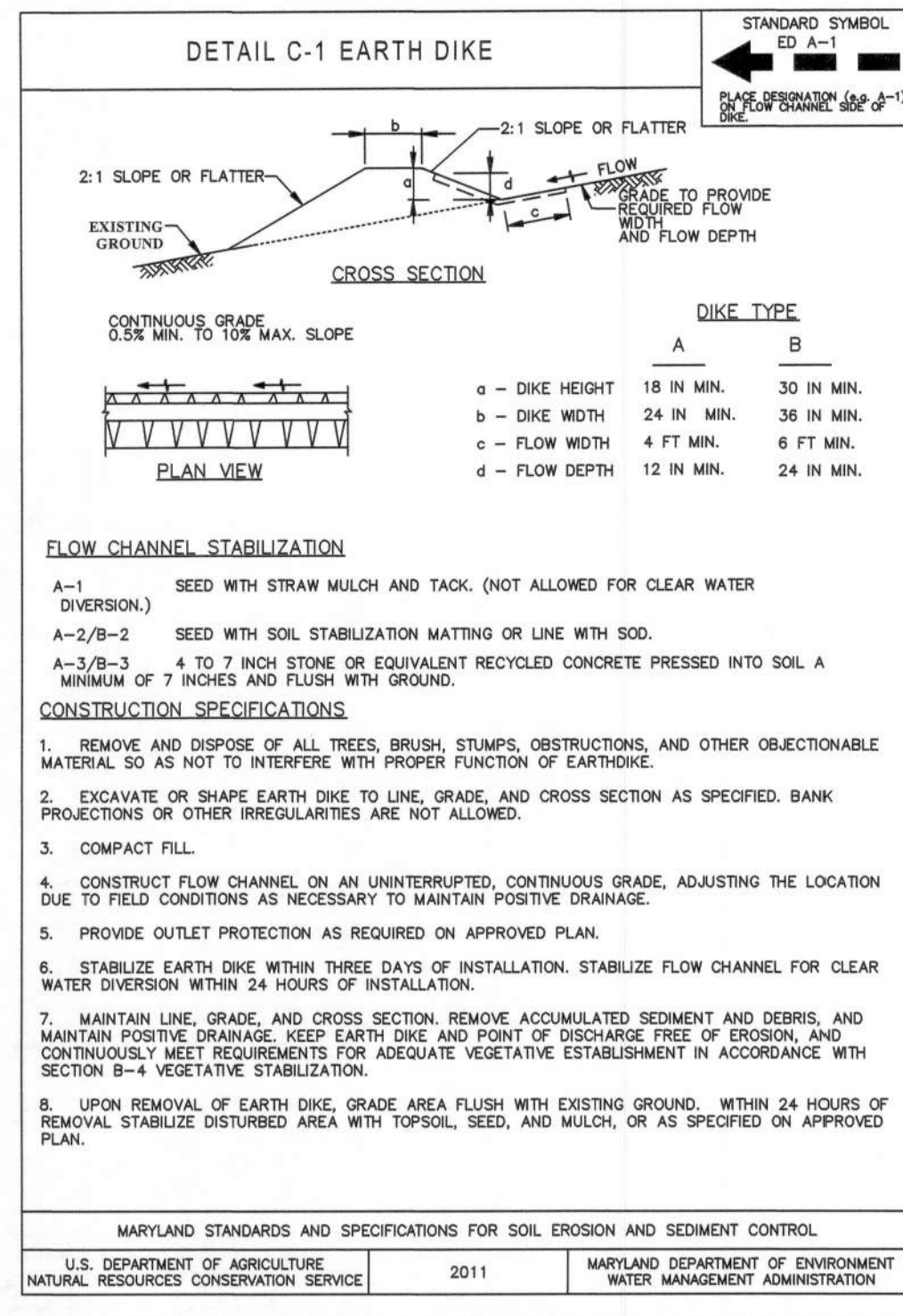
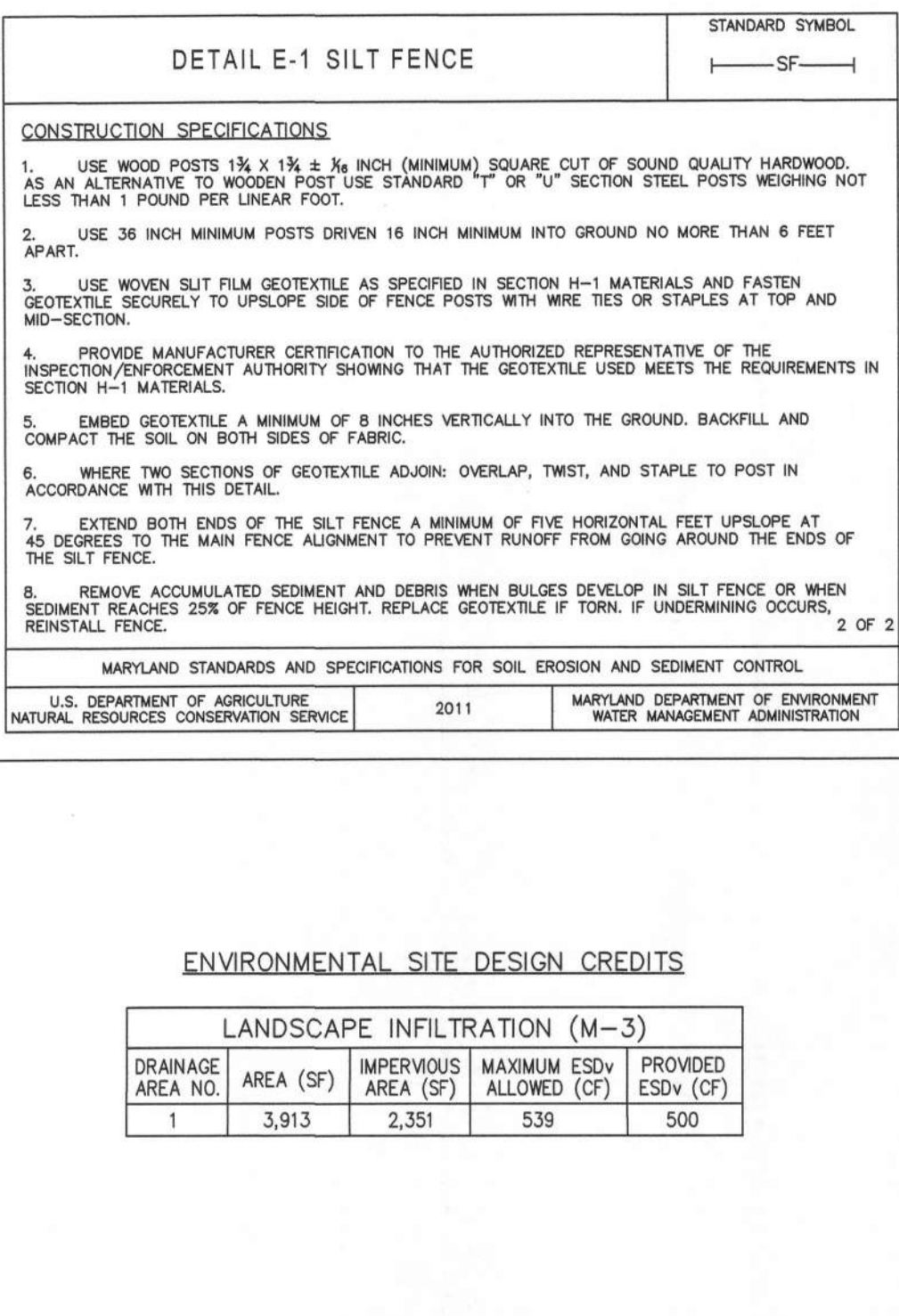
I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE IN ACCORDANCE WITH THE APPROVED PLANS AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN CONSTRUCTION OF THIS PROJECT HAVE A CERTIFICATE OF ATTENDANCE AT A MARYLAND DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION.

GREAT MILLS TRADING POST DATE 12/22/22

SURVEYOR'S CERTIFICATION

I HEREBY CERTIFY THAT THE PLANS HAVE BEEN DESIGNED IN ACCORDANCE WITH APPROVED EROSION AND SEDIMENT CONTROL ORDINANCES, REGULATIONS, STANDARDS AND CRITERIA.

JEFFREY T. NIEMAN, L.S. DATE 12/22/22



LANDSCAPE INFILTRATION PLANTING CRITERIA

GENERAL NOTES:

- SCOPE: THE LANDSCAPE CONTRACTOR SHALL VERIFY ALL QUANTITIES OF PLANT MATERIAL SHOWN ON THE PLAN IN THE PLANT LIST, AND SHALL PROVIDE ALL MATERIALS, LABOR AND EQUIPMENT TO COMPLETE ALL LANDSCAPE WORK AS SHOWN ON THE PLANS AND SPECIFICATIONS.
- UTILITIES: THE LANDSCAPE CONTRACTOR SHALL NOTIFY MISS UTILITY (1-800-0257-7777) TO VERIFY THE LOCATION OF ALL MAIN UTILITIES AND SHALL ASK THE GENERAL CONTRACTOR TO LOCATE LIGHTING AND OTHER ON-SITE UTILITIES IN THE FIELD BEFORE PROCEEDING WITH THE INSTALLATION OF ANY PLANTING. IF CONDITIONS ARISE IN THE FIELD WHICH NECESSITATES THE SHIFTING OF A PLANT LOCATION MORE THAN 15', THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED PRIOR TO INSTALLATION.
- SUBSTITUTIONS: ANY CHANGE IN THE TYPE, SIZE AND QUANTITY OF PLANT MATERIAL BY THE LANDSCAPE CONTRACTOR MUST BE APPROVED BY THE ST. MARY'S COUNTY DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION.
- STANDARDS: ALL PLANT MATERIAL MUST BE NURSERY GROWN AND MEET ALL OF THE QUALITATIVE CRITERIA ESTABLISHED BY THE CURRENT ISSUE OF THE AMERICAN STANDARD FOR NURSERY STOCK SPECIFICATIONS PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
- DUG MATERIAL: ALL DUG PLANT MATERIAL HAVE BEEN DUG BEFORE BUD BREAK OR AFTER LEAF MATURATION. ANY PLANT MATERIAL EXHIBITING DROOPING NEW GROWTH WITHIN TWO (2) WEEKS OF BEING PLANTED WILL BE REJECTED AND MUST BE REMOVED FROM THE JOB.
- SITE PREPARATION: IT SHALL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY TO PRESENT "CLEAN" SOIL CONDITIONS TO THE LANDSCAPE CONTRACTOR PRIOR TO ANY LANDSCAPE INSTALLATION. "CLEAN" SOIL MAY INCLUDE ON-SITE SOIL BUT MUST BE FREE OF PAVEMENT MATERIALS, MUCK, ROOT SYSTEMS, PETROLEUM OR OTHER CHEMICAL SUBSTANCES, BLUE STONE, CONSTRUCTION DEBRIS AND OTHER MATERIALS LARGER THAN 4" IN DIAMETER. THE "CLEAN" SOIL SHALL EXTEND TO THE FOLLOWING MINIMUM DEPTHS: 18" WHERE TREES ARE PROPOSED, 12" WHERE SHRUBS ARE PROPOSED AND 4" WHERE LAWN IS PROPOSED. IF THE LANDSCAPE CONTRACTOR EXISTING AREAS TO BE PLANTED ARE DEFICIENT REGARDING THESE "CLEAN" SOIL SPECIFICATIONS, HE SHALL REPORT THIS CONDITION TO THE LANDSCAPE ARCHITECT AND OWNER PRIOR TO PLANTING IN THOSE AREAS.
- WORKMANSHIP: DURING PLANTING, ALL AREAS SHALL BE KEPT NEAT AND CLEAN, AND ALL REASONABLE PRECAUTIONS SHALL BE TAKEN TO AVOID DAMAGE TO EXISTING PLANTS, TURF AND STRUCTURES. UPON COMPLETION, ALL DEBRIS AND WASTE MATERIAL RESULTING FROM PLANTING OPERATIONS SHALL BE REMOVED FROM THE PROJECT AND THE AREA CLEANED UP. ANY DAMAGED AREAS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION.
- WATER: IF AVAILABLE ON-SITE, THE OWNER SHALL SUPPLY WATER AT NO COST. IT WILL BE THE LANDSCAPE CONTRACTOR'S RESPONSIBILITY TO SUPPLY WATER IF THERE IS NONE ON THE SITE.

PLANTING PROCEDURES:

- PLANTING BEDS: WITH THE EXCEPTION OF THOSE TREES SHOWN ON THE PLAN AS INDIVIDUALS, ALL PLANTS ARE TO BE PLANTED INTO PREPARED PLANTING BEDS. THE OUTLINE OF EACH BED SHALL BE SPADE DUG TO BE A SMOOTH, CONTINUOUS SHARP-CUT EDGE. THE ENTIRE AREA WITHIN THE OUTLINE OF THE BED SHALL BE THOROUGHLY LOOSENEED TO A DEPTH OF 6-8" BY PICKING OR OTHER MEANS AND ALL MATERIALS UNSUITABLE FOR PLANT GROWTH AND ALL ROCKS AND DEBRIS GREATER THAN 4" DIAMETER ARE TO BE REMOVED. TOPSOIL (THAT MEETS THE PLANTING SOIL CHARACTERISTICS SHOWN HEREIN SHALL BE APPLIED OVER THE ENTIRE BED AREA IN SUFFICIENT QUANTITY SO THAT THE ELEVATION OF THE PLANTING BED, AFTER LIGHT TAMPING IS 6" BELOW THE FINISHED GRADE OF THE AREA ADJACENT TO THE BED.
- TREE PLANTING:
 - PREPARING TREE PIT: THE WALLS OF THE TREE PIT SHALL BE DUG SO THAT THEY ARE VERTICAL AND SCARIFIED. THE DIAMETER OF THE PIT SHALL BE A TOTAL OF 24" WIDER THAN THE BALL DIAMETER. CARE SHOULD BE TAKEN TO EXCAVATE THE TREE PIT BELOW A DEPTH THAT ALLOWS 1/8 OF THE BALL TO BE ABOVE THE FINISHED GRADE. IF THE PIT IS DUG TOO DEEP, THEN THE BOTTOM OF THE PIT MUST BE BACKFILLED AND FIRMLY TAMPED TO PREVENT SETTLEMENT.
 - PLACING TREE IN PIT: PLACE THE TREE IN THE PIT EITHER BY LIFTING AND CARRYING THE TREE BY ITS BALL (NEVER LIFT BY BRANCHES OR TRUNK) AND THEN LOWERING IT INTO THE PIT. SET THE TREES STRAIGHT AND IN THE CENTER OF THE PIT WITH THE MOST DESIRABLE SIDE OF THE TREE FACING TOWARD THE PROMINENT VIEW (SIDEWALK, BUILDING, STREET, ETC.).
 - BACKFILLING TREE PIT: BACKFILL THE TREE PIT WITH A MIXTURE OF 2/3 ORIGINAL EXCAVATED MATERIAL AMENDED WITH 1/3 TOPSOIL (AS SPECIFIED IN I-A ABOVE). THIS STEP WILL HAVE BEEN PARTIALLY COMPLETED IF THE TREE IS PLANTED INTO A PREPARED BED AS DESCRIBED ABOVE.

- BACKFILL SIDES OF TREE PIT HALFWAY WITH SOIL MIXTURE AND TAMP BEFORE ADDING MORE BACKFILL. CUT ROPE OR WIRE ON BALL OF TREE AND PULL BURLAP BACK TO THE EDGE OF THE TREE BALL. REMOVE ALL PLASTIC WRAPS AND TWINNING.
- FINISH BACKFILLING SIDES OF TREE PIT AND TAMP FIRMLY. NEVER COVER TOP OF ROOT BALL WITH SOIL FORM A SAUCER ABOVE EXISTING GRADE AND AROUND THE OUTER RIM OF THE TREE PIT. MULCH TOP OF ROOT BALL AND SAUCER WITHIN 48 HOURS TO A DEPTH OF 2" TO 3".
- WATER THOROUGHLY ON THE INTERIOR OF THE TREE SAUCER UNTIL IT IS FILLED EVEN IF IT IS RAINING. A SECOND WATERING MAY BE NECESSARY TO INSURE SATURATION OF THE ROOT BALL. PRUNE OUT ANY DEAD OR BROKEN BRANCHES.
4. TREE BRACING: UNLESS OTHERWISE NOTED ON THE PLAN, ALL TREES MORE THAN 12' IN HEIGHT (GREATER THAN 2 1/2" CAL.) ARE TO BE BRACED WITH THREE (3) GUY WIRES AND GROUND STAKES SPACED AS EVENLY APART (120 APART) IN A CIRCLE AS POSSIBLE. TREES LESS THAN 12' HIGH ARE TO BE STAKED WITH TWO UPRIGHT HARDWOOD STAKES. GUYING SHALL BE COMPLETED WITHIN 48 HOURS OF PLANTING THE TREE.

- SHRUB PLANTING:
- PREPARING SHRUB PIT: THE WALLS OF THE SHRUB PIT SHALL BE DUG SO ARE THAT THEY ARE VERTICAL AND SCARIFIED. THE DIAMETER OF THE PIT SHALL BE A TOTAL OF 12" WIDER THAN THE BALL DIAMETER. THE DEPTH OF THE PIT SHALL BE AT AN ELEVATION THAT ALLOWS 1/8 OF THE BALL TO BE ABOVE THE FINISHED GRADE. AFTER THE BOTTOM OF THE PIT HAS BEEN FIRMLY TAMPED (TO PREVENT SETTLEMENT).

- PLACING SHRUB IN PIT: PLACE THE SHRUB IN THE PIT EITHER BY LIFTING OR CARRYING THE SHRUB BY ITS BALL (NEVER LIFT BY BRANCHES) AND THEN LOWERING IT INTO THE PIT.
 - BACKFILLING SHRUB PIT: BACKFILL THE SHRUB PIT HALFWAY WITH SOIL MIXTURE AND TAMP BEFORE ADDING MORE BACKFILL. CUT ROPE OR WIRE ON BALL OF SHRUB AND PULL BURLAP BACK TO EDGE OF THE ROOT BALL. REMOVE ALL PLASTIC WRAPS AND TWINNING.
- FINISH BACKFILLING SIDES OF PIT AND TAMP FIRMLY. NEVER COVER TOP OF ROOT BALL WITH SOIL. FORM A SAUCER ABOVE EXISTING GRADE AND AROUND THE OUTER RIM OF THE SHRUB PIT. MULCH TOP OF ROOT BALL AND SAUCER WITHIN 48 HOURS TO A DEPTH OF 2" TO 3".
- WATER THOROUGHLY ON THE INTERIOR OF THE SHRUB SAUCER UNTIL IT IS FILLED EVEN IF IT IS RAINING. A SECOND WATERING MAY BE NECESSARY TO INSURE SATURATION OF ROOT BALL. PRUNE OUT ANY DEAD BRANCHES.

GROUND COVER PLANTING:

- GROUND COVER BED: GROUND COVER SHALL BE PLANTED INTO PREPARED AND EDED BEDS AS DESCRIBED IN I.A. ABOVE. MULCH THE ENTIRE GROUND COVER BED TO A DEPTH OF 1" TO 2" PRIOR TO PLANTING THE GROUND COVER PLANTS.
- PLANTING GROUND COVER: THE GROUND COVER PLANTING HOLES SHALL BE DUG THROUGH THE MULCH AND THE GROUND COVER (EITHER POTTED OR BARE ROOT) SHALL BE PLANTED SO THAT THE ROOTS OF THE PLANT ARE SURROUNDED BY SOIL BELOW THE MULCH. POTTED PLANTS SHALL BE SET IN THE GROUND WITH THE TOP OF THE POT IS EVEN WITH THE EXISTING GRADE. BARE ROOT PLANTS SHALL BE COVERED UP TO THE CROWN OF THE PLANT OR THE SOIL LEVEL. THE ENTIRE GROUND COVER BED SHALL BE THOROUGHLY WATERED.

SURVEYOR'S CERTIFICATION

I CERTIFY THAT THIS EROSION AND SEDIMENT CONTROL & STORMWATER MANAGEMENT PLAN REPRESENTS ALL SIGNIFICANT NATURAL RESOURCES BASED ON MY PERSONAL KNOWLEDGE OF THE SITE AND THAT THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE REVIEW AGENCIES. I HAVE REVIEWED THIS SITE DEVELOPMENT PLAN WITH THE OWNER/DEVELOPER.

JEFFREY T. NIEMAN, L.S. DATE 12/22/22

MD LICENSE #21553, EXPIRES 1/4/24

LAND USE AND GROUND MANAGEMENT CONTROL NO: SFDD22-1364

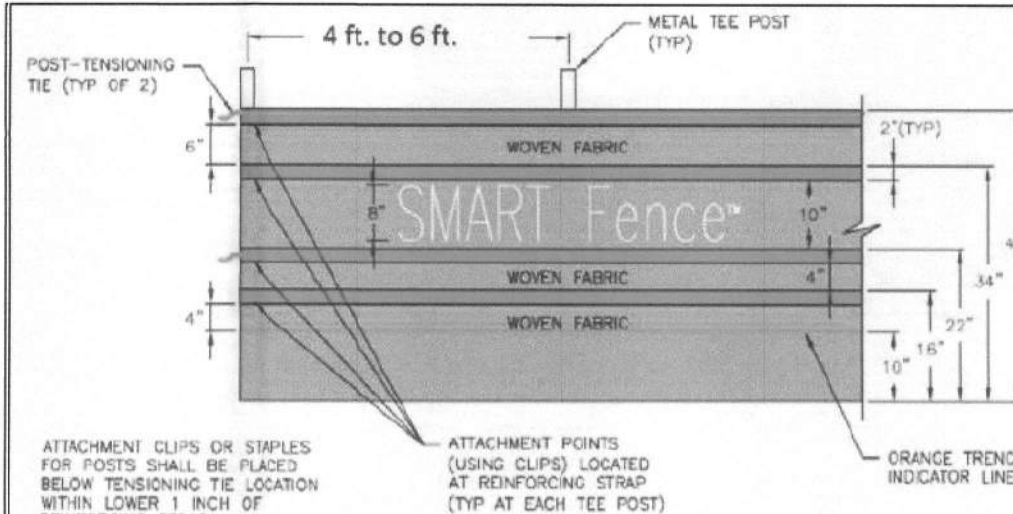
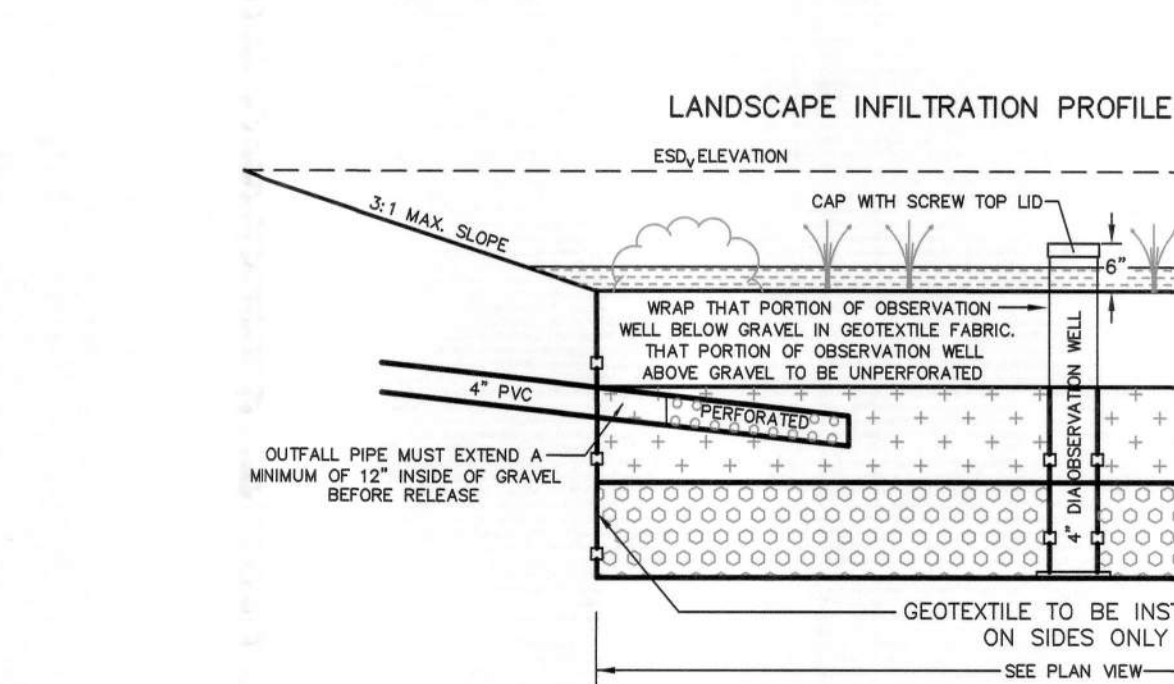
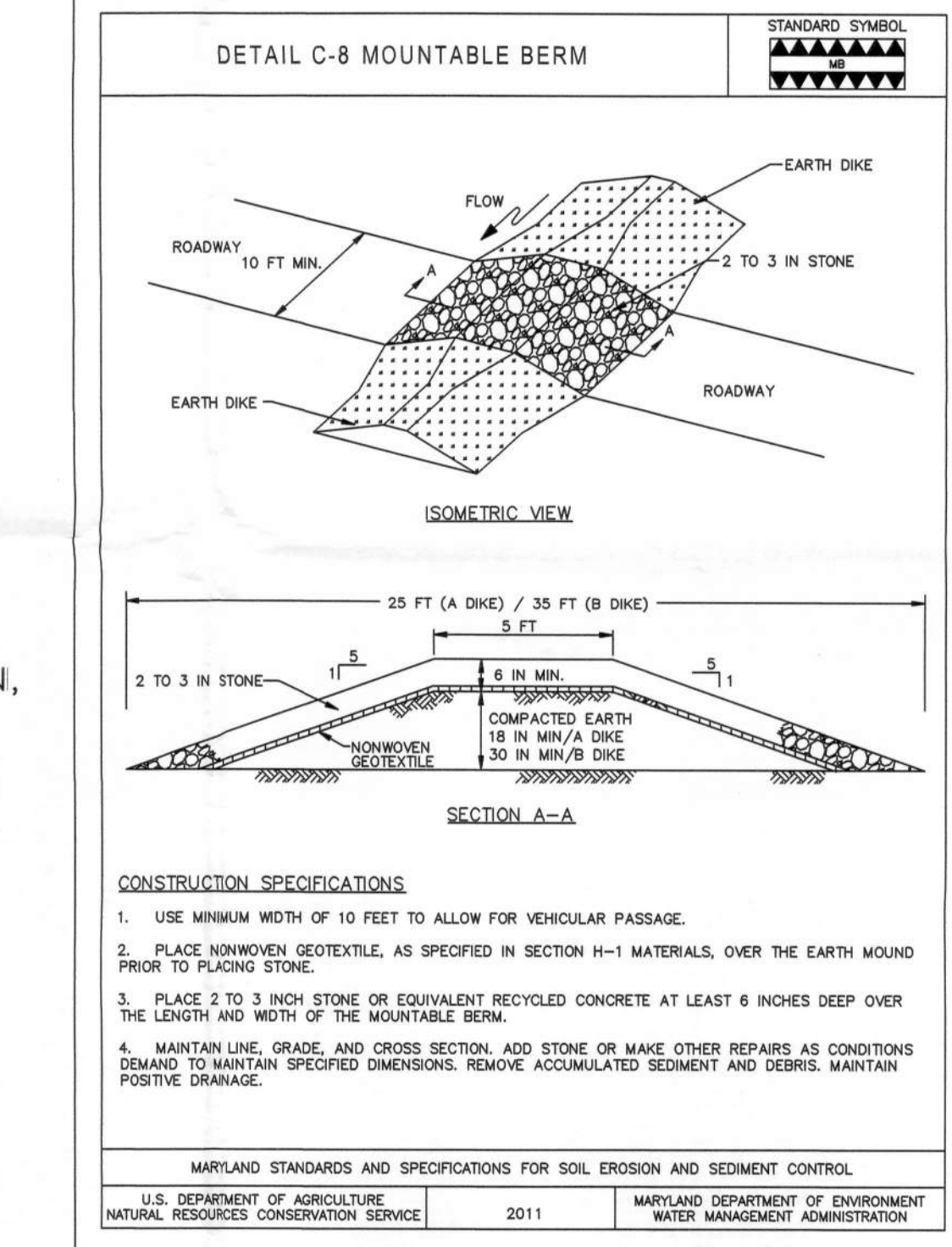
CRITICAL AREA BUILDING PERMIT SITE PLAN FOR ALEXANDER TAIT

LOT 9 - DELLE BOURNE SUBDIVISION
DEED LIBER DJB 5650, FOLIO 230

FIRST ELECTION DISTRICT

ST. MARY'S COUNTY, MARYLAND

DRAWING: 67194(9)SP DATE: 5/31/2022 SCALE: 1"=20' SHEET 2 OF 2



CONSTRUCTION, INSPECTION & MAINTENANCE

CONSTRUCTION: LANDSCAPE INFILTRATION SHALL NOT BE CONSTRUCTED UNTIL THE CONTRIBUTING DRAINAGE AREA IS STABILIZED. DURING CONSTRUCTION, RUNOFF SHOULD BE DIVERTED AND THE USE OF HEAVY EQUIPMENT AVOIDED TO MINIMIZE COMPACTION.

PLANTING SOIL SHOULD BE MIXED ON-SITE PRIOR TO INSTALLATION. A SIX-INCH LAYER OF WASHED GRAVEL SHALL BE USED BELOW THE PLANTING SOIL MIX.

THE OPTIMUM PLANTING TIME IS DURING THE FALL. SPRING PLANTING IS ALSO ACCEPTABLE BUT MAY REQUIRE WATERING.

INSPECTION: REGULAR INSPECTIONS SHALL BE MADE DURING THE FOLLOWING STAGES OF CONSTRUCTION:

- DURING EXCAVATION TO SUBGRADE AND FINAL PLACEMENT OF PLANTING SOIL.
- UPON COMPLETION OF FINAL GRADING AND ESTABLISHMENT OF PERMANENT STABILIZATION.

MAINTENANCE: THE TOP FEW INCHES OF THE PLANTING SOIL SHOULD BE REMOVED AND REPLACED WHEN WATER PONDS FOR MORE THAN 48 HOURS. SILTS AND SEDIMENT SHOULD BE REMOVED FROM THE SURFACE OF THE BED AS NECESSARY.

WHERE PRACTICES ARE USED TO TREAT AREAS WITH HIGHER CONCENTRATIONS OF HEAVY METALS (E.G., PARKING LOTS, ROADS), MULCH SHOULD BE REPLACED ANNUALLY. OTHERWISE, THE TOP TWO TO THREE INCHES SHOULD BE REPLACED AS NECESSARY.

OCCASIONAL PRUNING AND REPLACEMENT OF DEAD VEGETATION IS NECESSARY. IF SPECIFIC PLANTS ARE NOT SURVIVING, MORE APPROPRIATE SPECIES SHOULD BE USED. WATERING MAY BE REQUIRED DURING PROLONGED DRY PERIODS.



LINEAR SURVEYS INC.

PROFESSIONAL LAND SURVEYORS

42120 ST. ANDREWS CHURCH ROAD
LEONARDTOWN, MARYLAND 20650

PHONE: (301)475-9000 FAX: (301)475-0363

1.	10/26/22	HD COMMENTS	RAM
NO.	DATE	DESCRIPTION	BY
		REVISION	