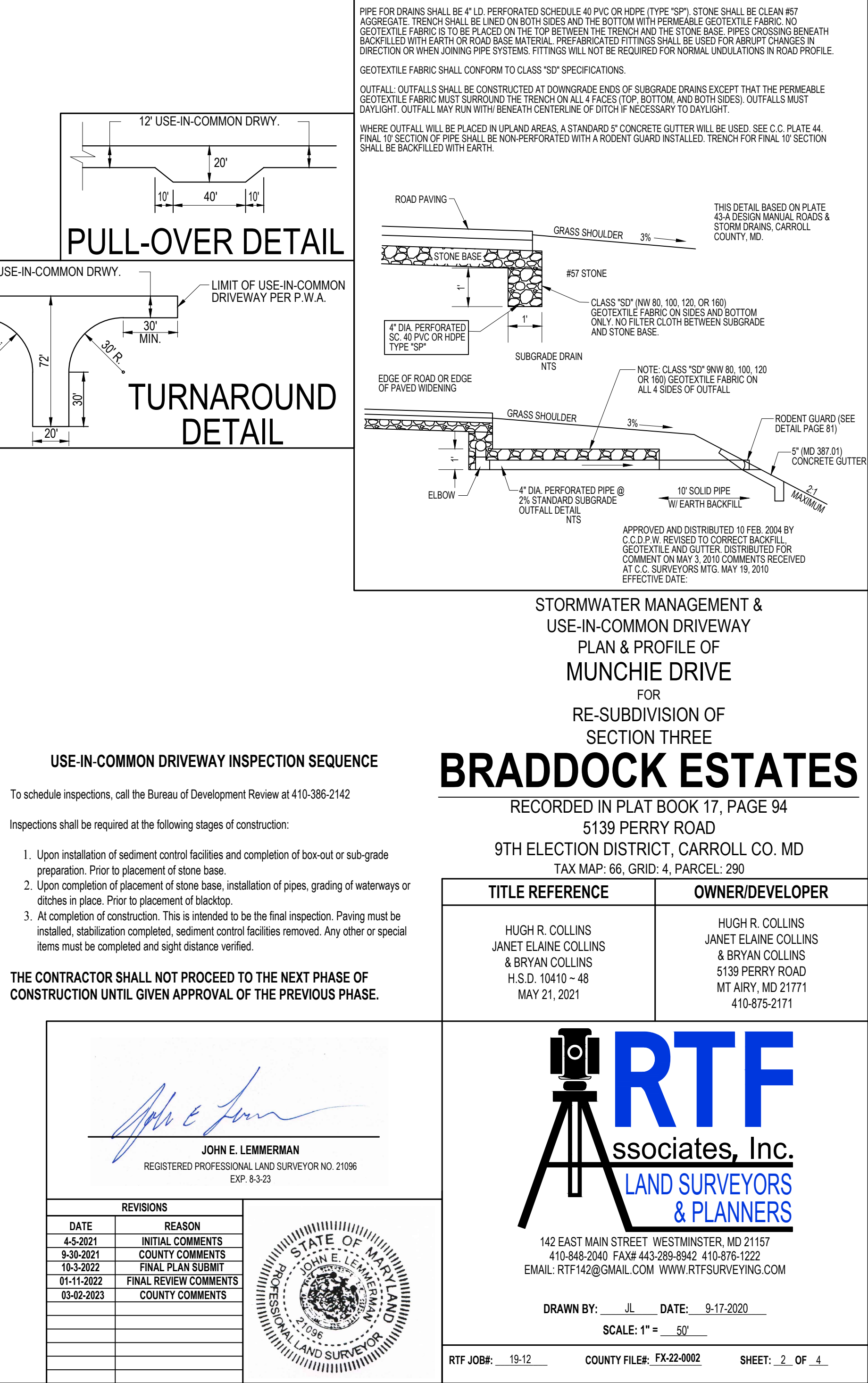
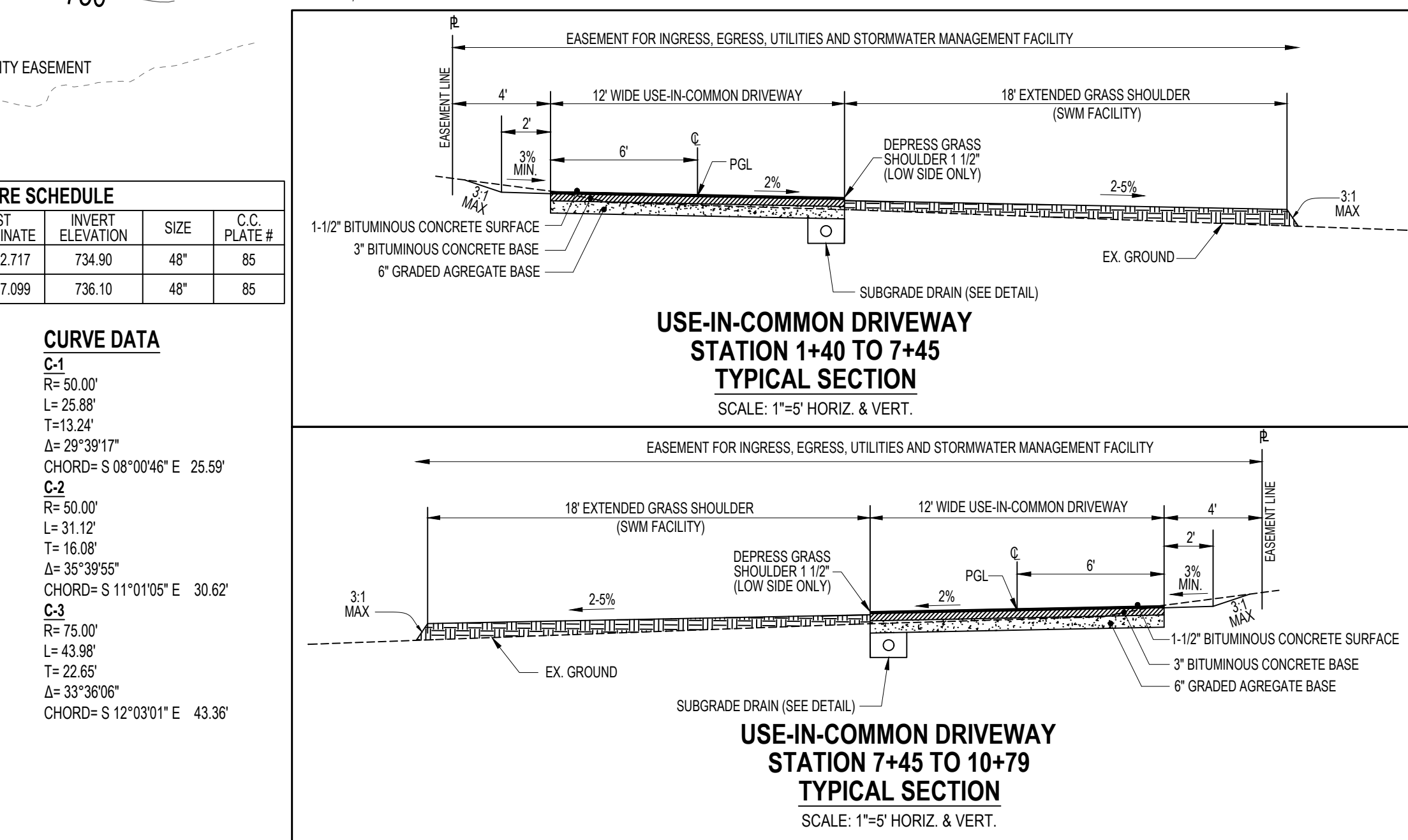
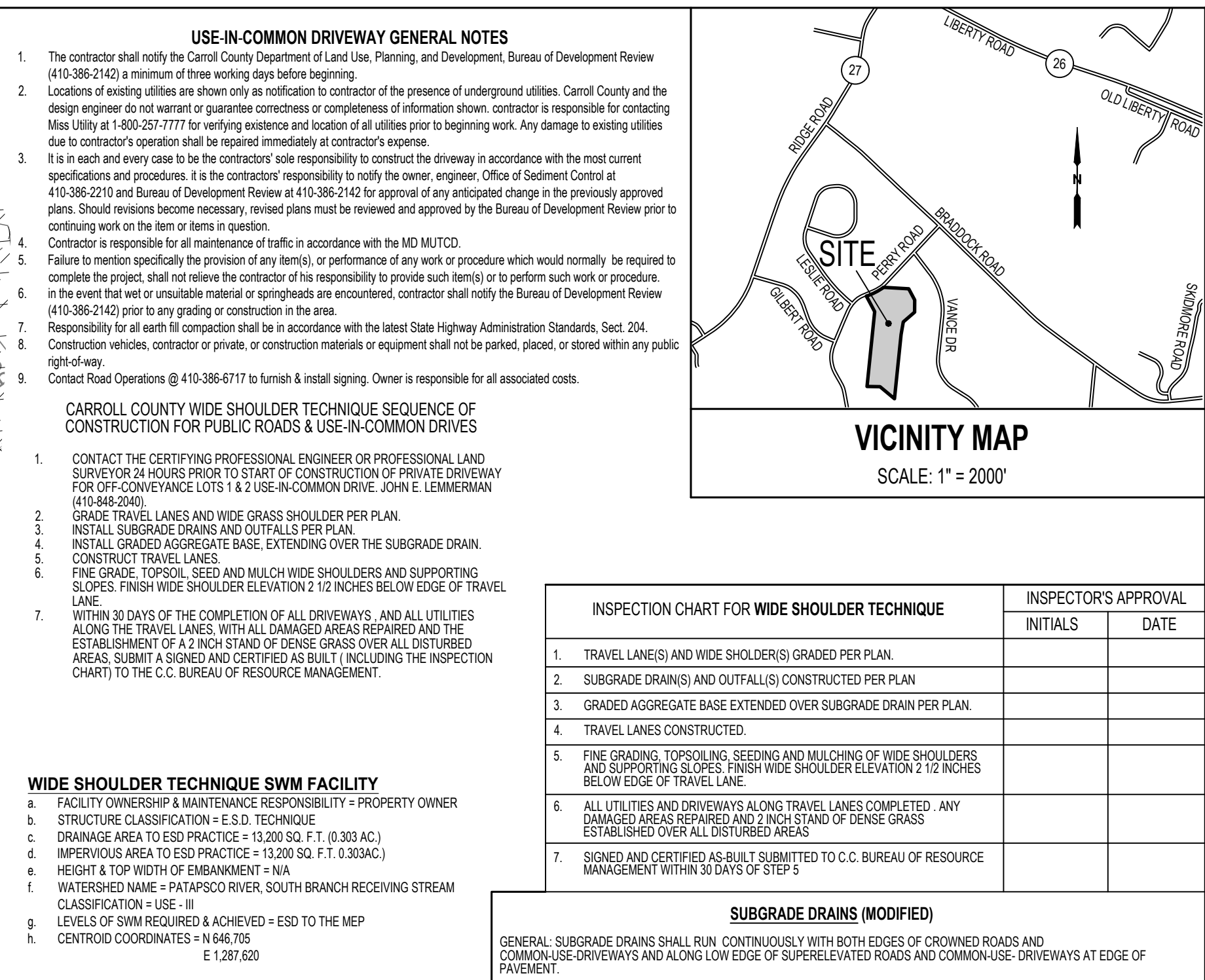
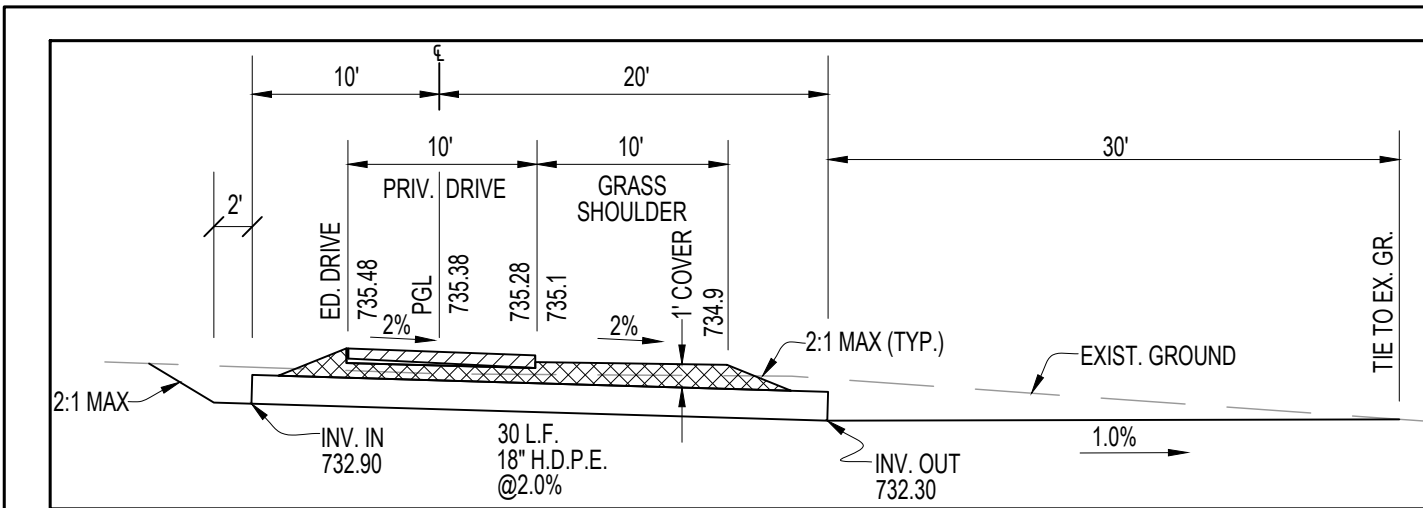






FUTURE PRIVATE DRIVEWAY CULVERT (LOT-83)
STA. 1+45

SCALE: 1"=10' HORIZ & VERT.

STORMWATER MAINTENANCE SCHEDULE

SHEET FLOW TO CONSERVATION AREA

MODIFIED TO CORRESPOND TO CARROLL COUNTY DETAILS

MONTHLY INSPECTION		
Inspection Item	Inspection Requirements	Remedial Action
Level Spreader (If present)	Check for dislocated stone.	Replace stone.
Edge of Conservation Area	Check for channelization and bare spots and/or accumulated sediments.	Regrade, re-seed and remove sediments as necessary.
SEASONAL INSPECTION AND AFTER A MAJOR STORM		
Inspection Item	Inspection Requirements	Remedial Action
Inflow	Ensure sheet flow from pavement to conservation area.	Remove and properly dispose of debris, trash, vegetation, accumulated sediments, and regrade and re-seed as necessary to ensure sheet flow into conservation area.
Treatment	Ensure sheet flow through dense vegetation in Conservation area.	Limit mowing to twice annually. Regrade and re-seed to eliminate channels and rills, then revegetate.
ANNUAL INSPECTION		
Inspection Item	Inspection Requirements	Remedial Action
Overall Function of Conservation Area	Check that the "sheet flow to conservation area" is operating as designed.	Repair to good condition according to specifications on the approved plans.

STORMWATER MAINTENANCE SCHEDULE

DRYWELL

MODIFIED TO CORRESPOND TO CARROLL COUNTY DETAILS

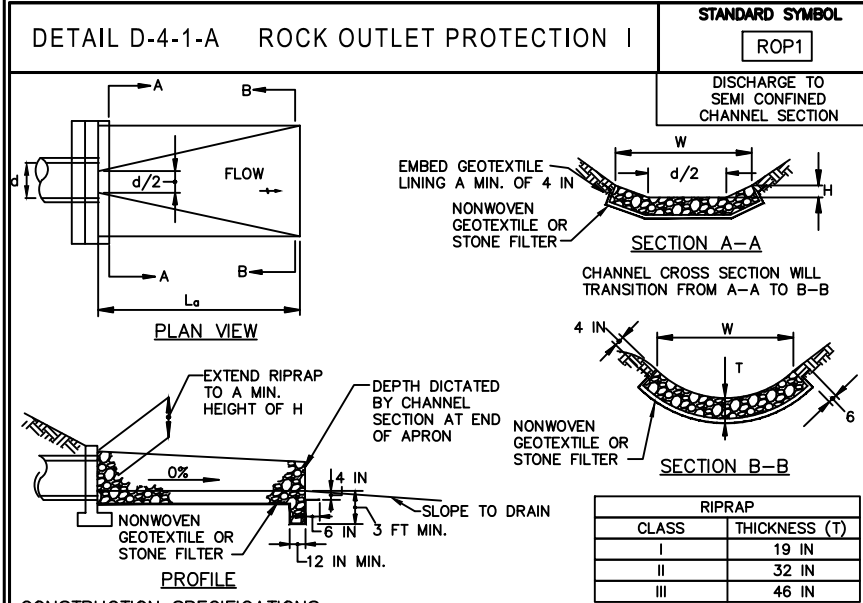
MONTHLY INSPECTION		
Inspection Item	Inspection Requirements	Remedial Action
Vegetative Cover and Erosion	Check over/low area for channelizing and bare spots.	Re-seed or re-plant in accordance with approved landscaping plan.
Leaves and Debris	Check that gutters, downspouts and screens are clear of leaves and debris.	Repair any broken or faulty piping. Clear out any blockages.
Inflow and Overflow	Check for misalignments, broken pipes, and blockages. Note any and/or water over/low "V" or "Y" must be in good condition.	Excavate, remove, clean, and replace time and sand in accordance with approved plans.
De-watering	Check observation wells for water level. Water stored in storm must de-water within 48 hours of rainfall. Noteable odors or the presence of algae or slanted water are indicators of anoxic conditions and inadequate de-watering of the facility.	Excavate, remove, clean, and replace time and sand in accordance with approved plans.
ANNUAL INSPECTION		
Inspection Item	Inspection Requirements	Remedial Action
Maintenance Access	Check for accessibility to facility.	Prevent excessive vegetative growth, erosion, and obstructions to access way.
Overall Function of Facility	Check that flow conveyance is operating as designed.	Repair to good condition according to specifications on the approved plans.

NON-ROOFTOP DISCONNECTION

"WIDE SHOULDER TECHNIQUE"

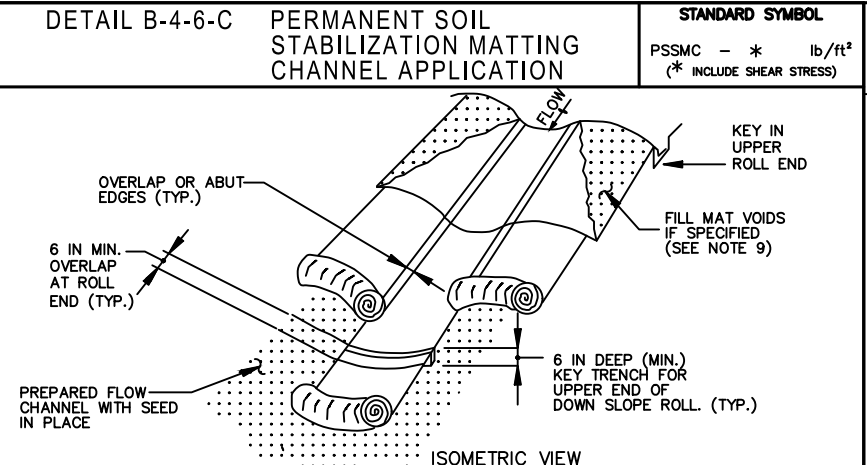
MODIFIED TO CORRESPOND TO CARROLL COUNTY DETAILS

MONTHLY INSPECTION		
Inspection Item	Inspection Requirements	Remedial Action
Vegetative Cover and Erosion	Check for vegetation over 4" height. Check disconnection area for channelizing and bare spots.	Mow, grass remove trees and shrubs. Regrade, disconnection area for channelizing or gullying on surface. Re-seed as necessary.
SEASONAL INSPECTION AND AFTER A MAJOR STORM		
Inspection Item	Inspection Requirements	Remedial Action
Inflow	Ensure sheet flow from pavement to grass shoulder disconnection area.	Remove debris, vegetation, regrade and re-seed as necessary to ensure sheet flow from pavement.
De-watering	Check for soft areas and/or soil saturated to the surface.	Check shored pipe, rodent guards and eliminate blockages. If necessary, excavate, remove and replace stone and sloped pipe.
ANNUAL INSPECTION		
Inspection Item	Inspection Requirements	Remedial Action
Overall Function of Disconnection	Check that grass disconnection is operating as designed.	Repair to good condition according to specifications on the approved plans.



CONSTRUCTION SPECIFICATIONS		
1. RIPRAP AND STONE MUST CONFORM TO THE SPECIFIED CLASS.		
2. USE NONWOVEN GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS, AND PROTECT FROM PUNCTURING, CUTTING, OR TEARING. REPAIR ANY DAMAGE OTHER THAN AN OCCASIONAL SMALL HOLE BY PLACING ANOTHER PIECE OF GEOTEXTILE OVER THE DAMAGED PART OR BY COMPLETELY REPLACING THE GEOTEXTILE. PROVIDE A MINIMUM OF ONE FOOT OVERLAP FOR ALL REPAIRS AND FOR JOINING TWO PIECES OF GEOTEXTILE TOGETHER.		
3. PREPARE THE SUBGRADE FOR GEOTEXTILE OR STONE FILTER (¾ TO 1½ INCH) FOR 6 INCH MINIMUM DEPTH AND RIPRAP TO THE REQUIRED LINES AND GRADES. COMPACT ANY FILL REQUIRED IN THE SUBGRADE TO A DENSITY OF APPROXIMATELY THAT OF THE SURROUNDING UNDISTURBED MATERIAL.		
4. EXTEND GEOTEXTILE AT LEAST 2 FEET BEYOND EDGES OF RIPRAP AND EMBED AT LEAST 4 INCHES AT SIDES OF THE RIPRAP.		
5. CONSTRUCT RIPRAP OUTLET TO FULL CIRCLE THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO AVOID DISPLACEMENT OF UNDERLYING MATERIALS. PLACE RIPRAP IN A MANNER THAT WILL ENSURE THAT IT IS REASONABLY HOMOGENEOUS WITH THE SMALLER STONES. SPALLS PLACING THE WOOD BERM BLANKET OR GEOTEXTILE. HANG PLACING THE OUTLET NECESSARY.		
6. WHERE AN ENDWALL IS USED, CONSTRUCT THE UPSTREAM END OF THE RIPRAP SO THAT THE WIDTH IS TWO TIMES THE DIAMETER OF THE OUTLET PIPE, AND EXTEND THE STONE UNDER THE OUTLET PIPE A MINIMUM OF 18 INCHES.		
7. CONSTRUCT RIPRAP WITH SLOPE ALONG ITS LENGTH AND WITHOUT OBSTRUCTIONS. PLACE STONE SO THAT IT BLENDS WITH EXISTING GROUND.		
8. MAINTAIN LINE, GRADE, AND CROSS SECTION, KEEP OUTLET FREE OF RUBBISH. REMOVE ACCUMULATED SEDIMENT AND DEBRIS AFTER HIGH FLOWS INFECTION FOR SCOUR AND DISLODGED RIPRAP. MAKE NECESSARY REPAIRS IMMEDIATELY.		

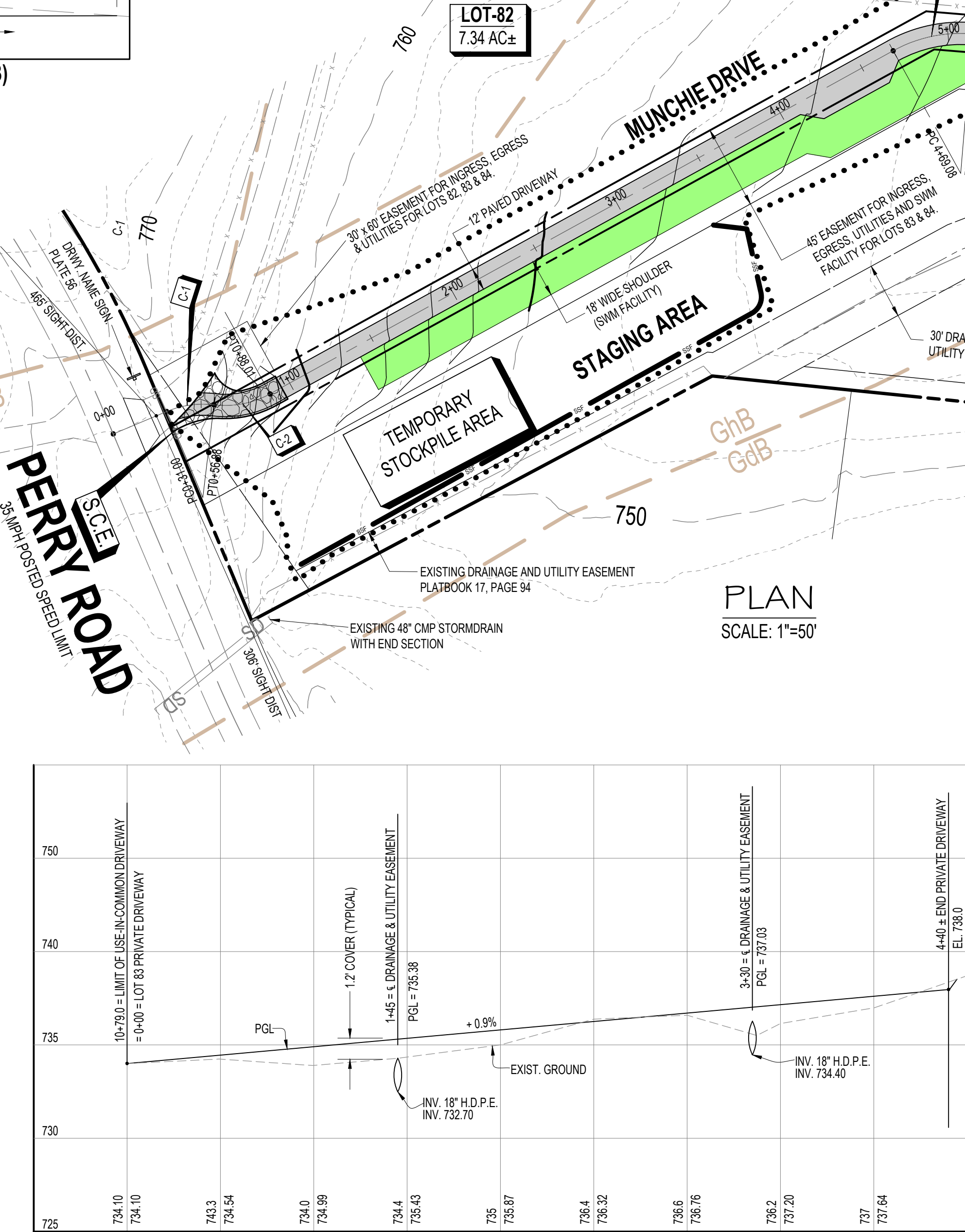
MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL	2011	MARYLAND DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES CONSERVATION SERVICE
MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL	2011	MARYLAND DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES CONSERVATION SERVICE



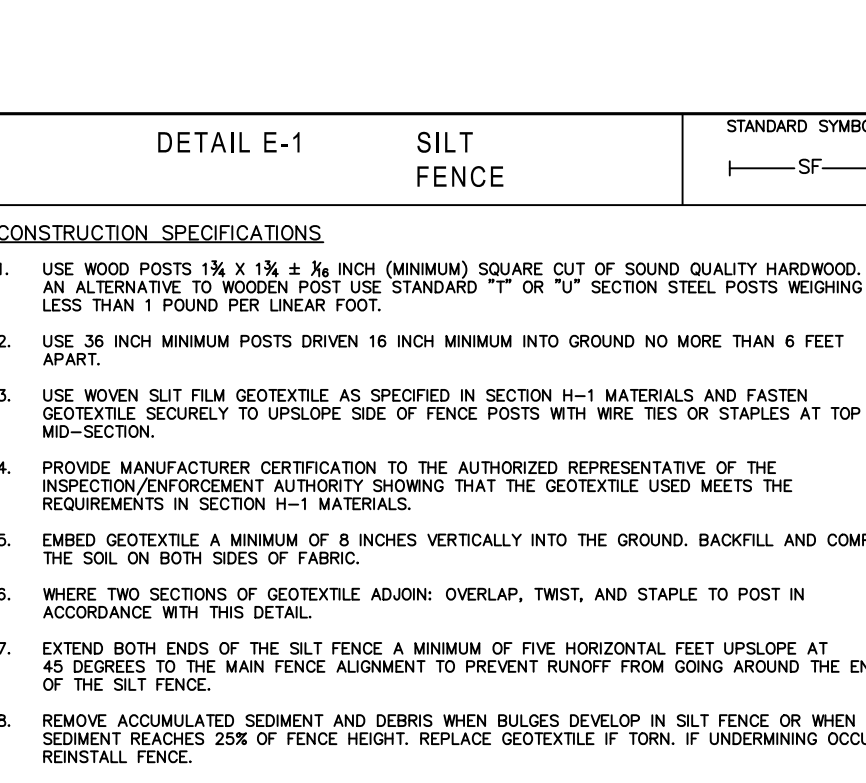
CONSTRUCTION SPECIFICATIONS		
1. USE MATTING THAT HAS A DESIGN VALUE FOR SHEAR STRESS EQUAL TO OR HIGHER THAN THE SHEAR STRESS OF THE SUBGRADE.		
2. USE PERMANENT SOIL STABILIZATION MATTING MADE OF OPEN WEAVE SYNTHETIC, NON-DEGRADABLE FIBERS OR ELEMENTS OF UNIFORM THICKNESS AND DISTRIBUTION THROUGHOUT. CHEMICALS USED IN THE MAT MUST BE NON-LEACHING AND NON-TOXIC TO VEGETATION AND SEED GERMINATION AND NON-HARMFUL TO THE SOIL. IF PRESENT, MATTING MUST BE EXTENDED PLASTIC WITH A MINIMUM MESH OPENING OF 3/4 INCHES AND SUPPORTED BY A MINIMUM OF 2 INCHES OF SUBGRADE. MATTING MUST BE EXTENDED PLASTIC WITH A MINIMUM MESH OPENING OF 3/4 INCHES AND SUPPORTED BY A MINIMUM OF 2 INCHES OF SUBGRADE. MATTING MUST BE EXTENDED PLASTIC WITH A MINIMUM MESH OPENING OF 3/4 INCHES AND SUPPORTED BY A MINIMUM OF 2 INCHES OF SUBGRADE.		
3. SECURE MATTING USING STEEL STAPLES OR WOOD STAPLES. STAPLES MUST BE 1/2\"/>		
4. 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 PLAN, THE MATTING MUST BE PLACED WITHIN 48 HOURS OF COMPLETING SEEDING OPERATIONS.		
5. OVERLAP OR ABUT EDGES OF MATTING ROLLS PER MANUFACTURER RECOMMENDATIONS. OVERLAP ROLL EDGES BY 6 INCHES (MINIMUM), WITH THE UPSTREAM MAT OVERLAPPING ON TOP OF THE NEXT DOWNSTREAM MAT.		
6. IN THE TRENCH, STAPLES THE MAT IN PLACE, REPLACING THE DAMAGED MATERIAL, AND TAMPING THE MAT IN PLACE.		
7. STAPLE/STAKE MAT IN A STAGGERED PATTERN ON A FOOT (MAXIMUM) CENTERS THROUGHOUT AND 2 FOOT (MAXIMUM) CENTERS ALONG SEAMS, JOINTS, AND ROLL EDGES.		
8. PREPARED BY THE DESIGNER OR MANUFACTURER AND DEPENDING ON THE TYPE OF MAT BEING INSTALLED, THE MATTING IS TESTED AND STAPLED IN PLACE. THE MAT MUST BE TESTED WITH TOP SOIL OR GRANULAR SUBGRADE.		
9. 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	2011	MARYLAND DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES CONSERVATION SERVICE
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A SIGHT DISTANCE VARIANCE WAS GRANTED FOR THE ENTRANCE SHOWN BY THE CARROLL COUNTY DEPARTMENT OF PUBLIC WORKS IN AUGUST 2021.

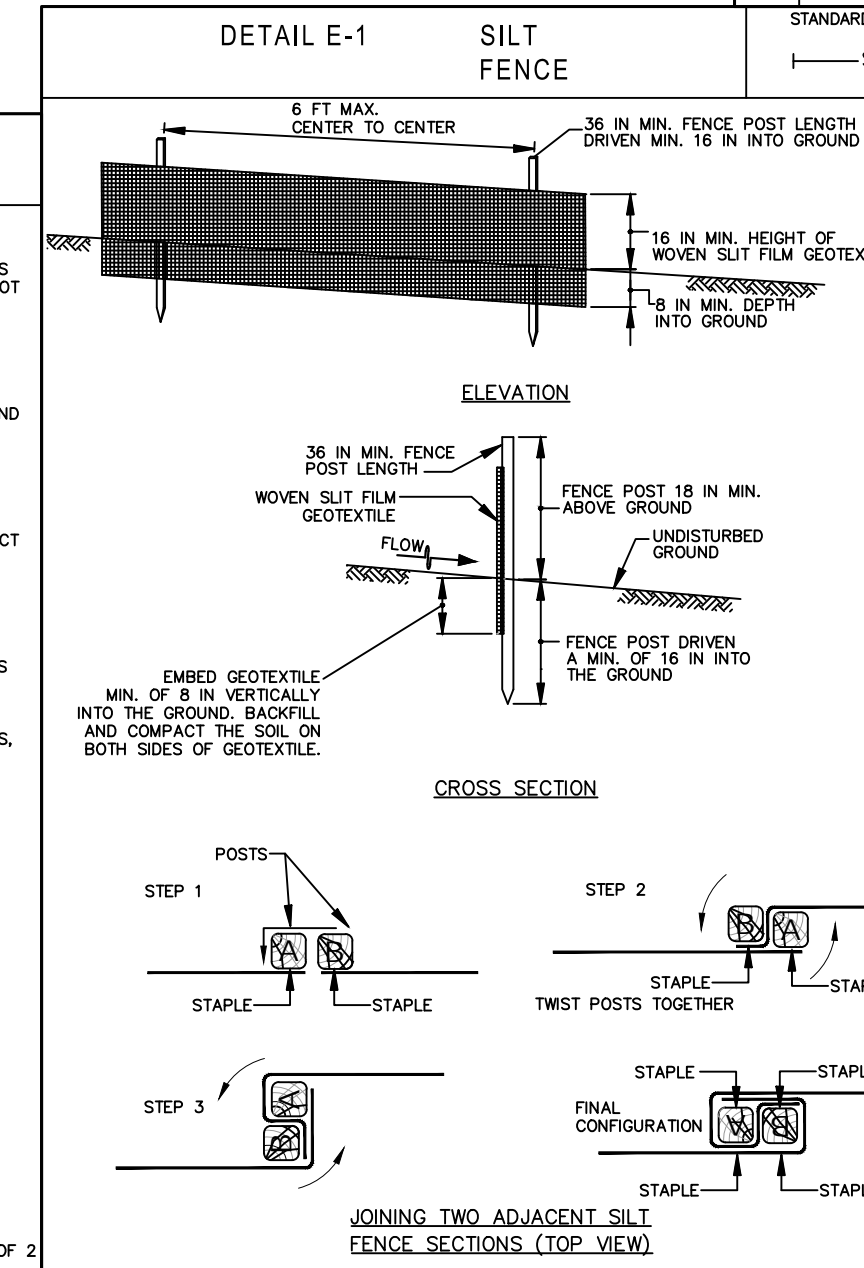


FUTURE PRIVATE DRIVEWAY PROFILE (LOT-83)
SCALE: 1\"/>

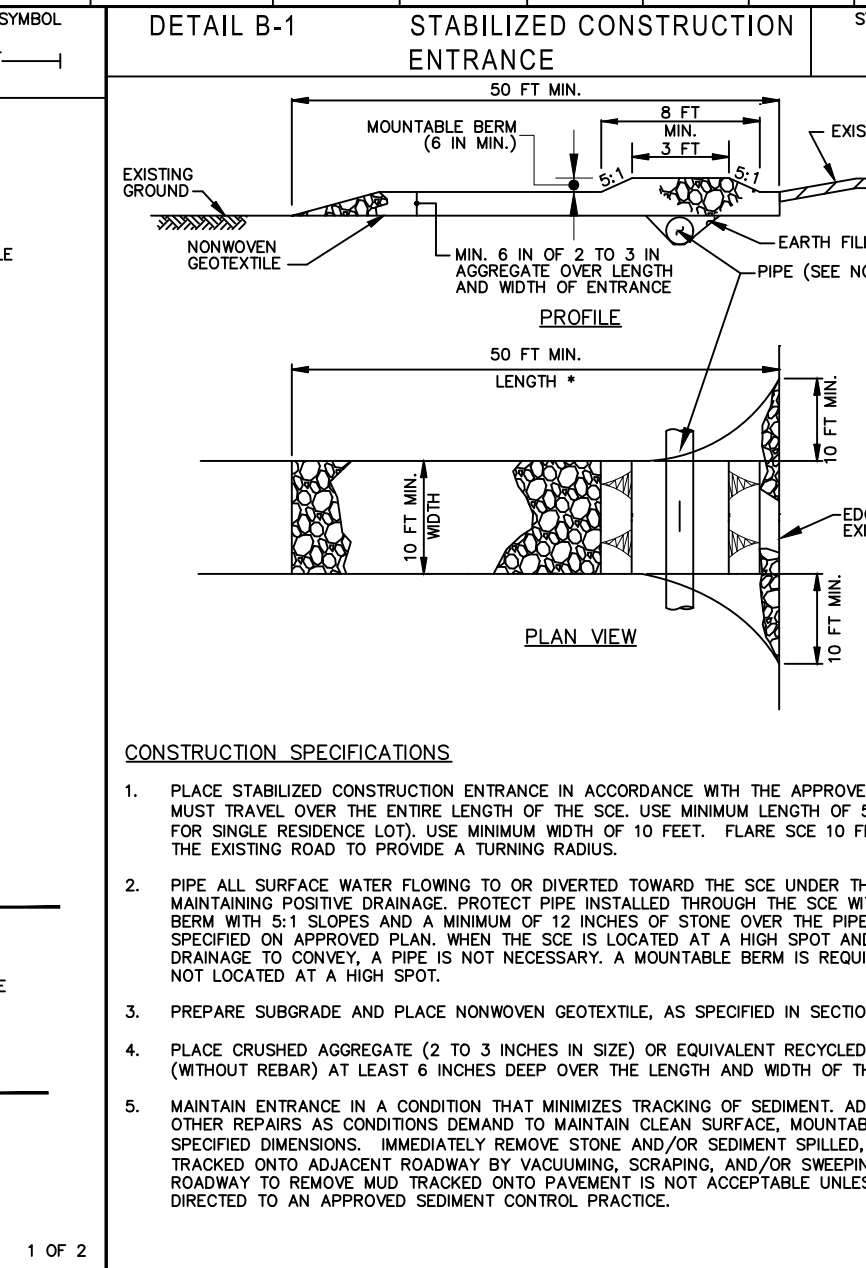


CONSTRUCTION SPECIFICATIONS		
1. USE WOOD POSTS 1 1/2\"/>		
2. USE 36 INCH MINIMUM POSTS DRIVEN 16 INCH MINIMUM INTO GROUND NO MORE THAN 6 FEET APART.		
3. USE WOVEN SILT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS, AND FASTEN GEOTEXTILE SECURELY TO UPGRADE SIDE OF FENCE POSTS WITH WIRE TIES OR STAPLES AT TOP AND MID-SECTION.		
4. 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.		
5. EMBED GEOTEXTILE A MINIMUM OF 8 INCHES VERTICALLY INTO THE GROUND. BACKFILL AND COMPACT THE SOIL ON BOTH SIDES OF FABRIC.		
6. WHERE TWO SECTIONS OF GEOTEXTILE ADJOIN, OVERLAP, TWIST, AND STAPLE TO POST IN ACCORDANCE WITH THIS DETAIL.		
7. EXTEND BOTH ENDS OF THE SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPGRADE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SILT FENCE.		
8. 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.		

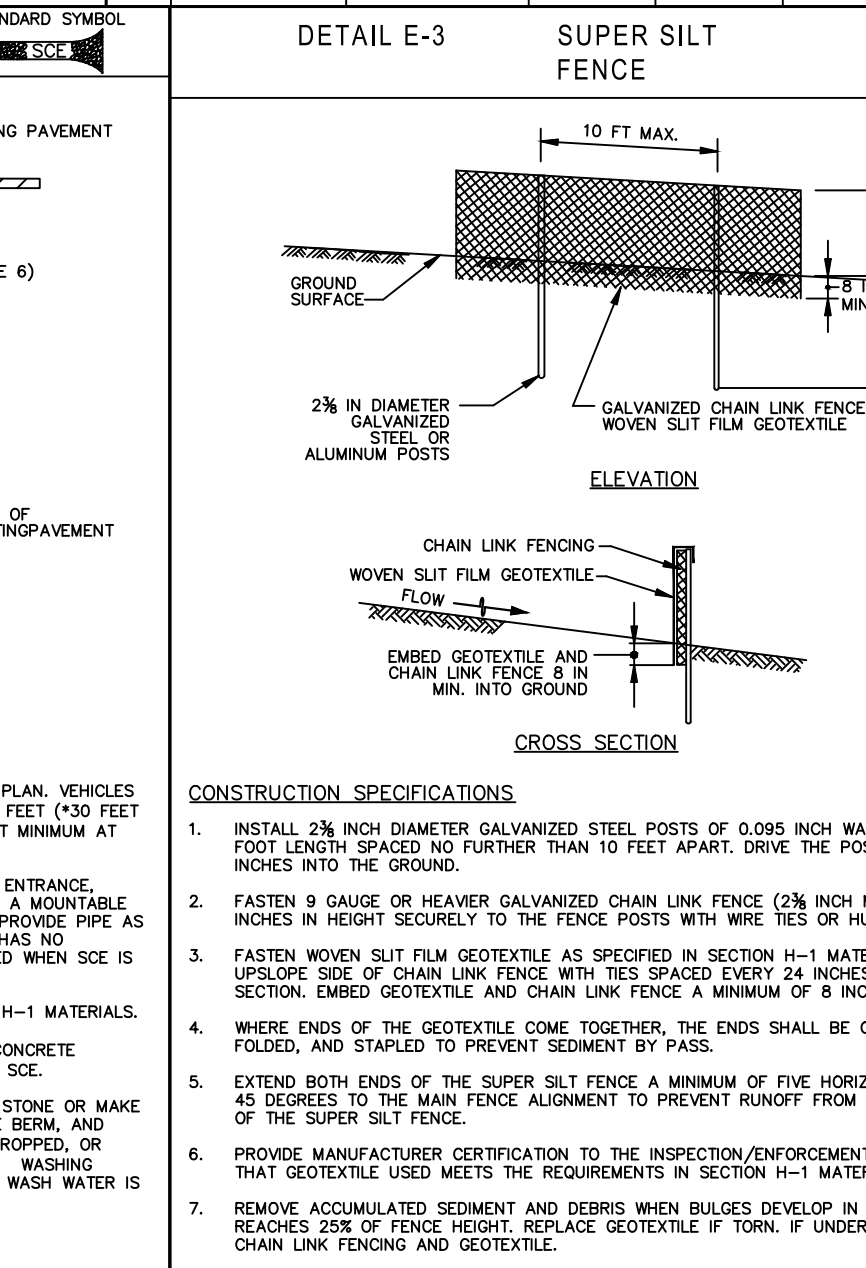
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1. ALL EROSION/SEDIMENT CONTROL MEASURES SHALL COMPLY WITH THE MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION IN ASSOCIATION WITH THE NATURAL RESOURCES CONSERVATION SERVICE AND THE MARYLAND ASSOCIATION OF SOIL CONSERVATION DISTRICTS (REFERENCED AS THE 2011 STANDARDS AND SPECS).
2. AREAS THAT HAVE BEEN CLEARED AND/OR GRADED, BUT WILL NOT BE CONSTRUCTED ON OR PERMANENTLY VEGETATED FOR MORE THAN 60 DAYS (90 DAYS FOR SEDIMENT CONTROL MEASURES AND FOR STEEP SLOPES) MUST BE STABILIZED WITH MULCH OR TEMPORARY STABILIZATION. ANY AREAS THAT ARE TEMPORARY VEGETATION FOR OVER 6 MONTHS WILL NEED TO BE PERMANENTLY VEGETATED.
3. FOR SPECIFICATIONS ON PERMANENT OR TEMPORARY STABILIZATION, SEE B-4.4 AND B-4.5.
4. MULCHING CAN ONLY BE USED ON UNDISTURBED 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.
5. FOR SPECIFICATIONS ON THE STABILIZATION OF CUT AND FILL SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL, SEE INCREMENTAL STABILIZATION B-4.1.
6. THE EXISTING TOPSOIL FROM ON OR OFF SITE THAT IS USED MUST MEET THE MINIMUM SPECIFICATION IN B-4.2.
7. 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.
8. 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.
9. NO PROPOSED SLOPE THAT IS SEEDED AND/OR MULCHED SHALL BE GREATER THAN 2:1 SLOPES GREATER THAN 2:1 SHALL REQUIRE A ENGINEERED DESIGN FOR STABILIZATION.
10. ALL SEDIMENT CONTROL STRUCTURES WILL BE INSPECTED ONCE A WEEK AND AFTER EACH RAINFALL. THEY WILL BE REPAIRED, AS NEEDED, SO THAT THE STRUCTURES MEET THE MINIMUM SPECIFICATIONS AS SHOWN IN THE 2011 STANDARDS AND SPECS.
11. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SEDIMENT AND EROSION CONTROL MEASURES UNTIL THE DISTURBED AREAS ARE PERMANENTLY STABILIZED.
12. 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.

- ALL GRADING IMMEDIATE TO AREA OF CONSTRUCTION WILL BE SUBJECT TO THE CONDITIONS OF STANDARD EROSION AND SEDIMENT CONTROL PLAN WITH THE GRADING REQUIREMENTS FOR SINGLE LOTS, WHICH IS ISSUED AND ADMINISTERED BY THE BUREAU OF STORM WATER MANAGEMENT AND SEDIMENT CONTROL OF CARROLL COUNTY. ANY GRADING OVER 20,000 SQUARE FEET WILL REQUIRE A COMPLETE SOIL EROSION AND SEDIMENT CONTROL PLAN. ALL DRIVEWAY CONSTRUCTION SHALL BE STABILIZED IN THE SAME DAY IT IS BEGIN.

1. FOLLOWING SOIL DISTURBANCE OR RE-DISTURBANCE, THE CONTRACTOR IS TO STABILIZE THESE AREAS ACCORDING TO SEDIMENT CONTROL NOTE #10.
2. IF INITIAL SOIL DISTURBANCE OCCURS DURING JUNE 1 THRU OCTOBER 30, AND IN THOSE AREAS WHERE STABILIZATION CANNOT BE ACCOMPLISHED ACCORDING TO SEDIMENT CONTROL NOTE #10, AND AFTER FIVE (5) WORKING DAYS WITHOUT RAINFALL, THE CONTRACTOR SHALL WATER THOSE AREAS THREE (3) TIMES DAILY UNTIL STABILIZATION OF THOSE AREAS HAS BEEN ACCOMPLISHED.

1. PLACE ALL EXCAVATED MATERIAL ON THE HIGH SIDE OF THE TRENCH.
2. ONLY DO AS MUCH WORK AS CAN BE DONE IN ONE DAY SO BACKFILLING AND FINAL GRADING AND PERMANENT STABILIZATION CAN OCCUR.
3. ANY SEDIMENT CONTROL MEASURES DISTURBED BY THE UTILITY CONSTRUCTION WILL BE REPAIRED THE SAME DAY.

1. STOCKPILE WILL NOT BE ALLOWED ON ANY IMPERVIOUS AREA.
2. ALL STOCKPILES LEFT AT THE END OF THE DAY WILL NEED TO BE TEMPORARILY STABILIZED UNTIL THEY ARE AGAIN DISTURBED, UNLESS THEY ARE WITHIN EXISTING PERIMETER SEDIMENT CONTROLS.
3. STOCKPILING WILL NOT BE ALLOWED ON ANY DESIGNATED SEPTIC AREA.

SITE ANALYSIS
TOTAL DISTURBED AREA - 1.952 AC. ±
APPROXIMATE CUT - 555 CU. YDS. ±
APPROXIMATE FILL - 555 CU. YDS. ±

OWNER/ DEVELOPER
HUGH R. COLLINS
JANET ELAINE COLLINS
BRYAN COLLINS
5139 PERRY ROAD
MT AIRY, MD 21771
410-675-2171

SWM MAINTENANCE SCHEDULES & SEDIMENT & EROSION CONTROL PLAN
FOR
RE-SUBDIVISION OF SECTION THREE
BRADDOCK ESTATES
RECORDED IN PLAT BOOK 17, PAGE 94
5139 PERRY ROAD
9TH ELECTION DISTRICT, CARROLL CO. MD
TAX MAP 66, GRID 4, PARCEL 290

RTF
ssociates, Inc.
LAND SURVEYORS & PLANNERS
142 EAST MAIN STREET WESTMINSTER, MD 21157
410-648-2040 FAX 410-289-8942 410-876-1222
EMAIL: RTF142@GMAIL.COM WWW.RTF-SURVEYING.COM
CHECKED BY: JEL DATE: 9-30-2022
DRAWN BY: AR DATE: 9-29-2022
SCALE: 1" = 50'

RTF JOB#: 19-12 COUNTY FILE#: FX-22-0002 SHEET: 3 OF 4