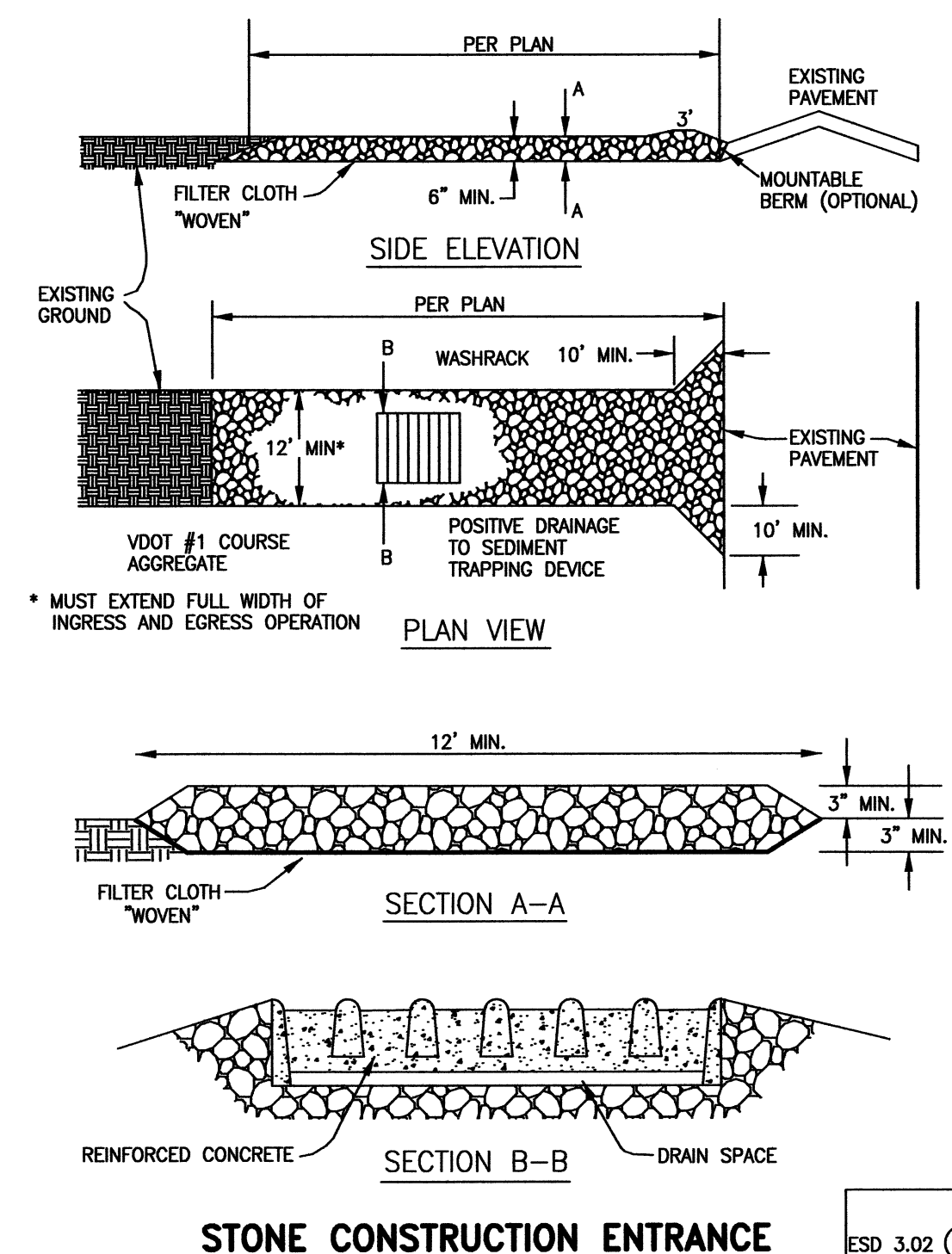


- CONSTRUCTION SPECIFICATIONS**
1. THE POLES DO NOT NEED TO BE SET IN CONCRETE.
  2. CHAIN LINK FENCE SHALL BE FASTENED SECURELY TO THE FENCE POSTS WITH WIRE TIES OR STAPLES.
  3. FILTER CLOTH SHALL BE FASTENED SECURELY TO THE CHAIN LINK FENCE WITH TIES SPACED EVERY 24" AT THE TOP AND MID SECTION.
  4. FILTER CLOTH SHALL BE EMBEDDED A MINIMUM OF 8" INTO THE GROUND.
  5. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
  6. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SILT BUILDUPS REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

**SUPER SILT FENCE**

3.05 (SF)



**STONE CONSTRUCTION ENTRANCE**

ESD 3.02 (C)

**GENERAL EROSION CONTROL NOTES:**

1. DEVICES SHOWN IN THESE PLANS ARE TO BE CONSIDERED MINIMUM EROSION AND SEDIMENT CONTROLS. ADDITIONAL CONTROLS MAY BE NECESSARY DUE TO CONTRACTOR PHASING OR OTHER UNANTICIPATED CONDITIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADDITIONAL DEVICES TO THOSE SHOWN IN ORDER TO CONTROL EROSION AND SEDIMENTATION.
2. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED ACCORDING TO THE STANDARDS AND SPECIFICATIONS IN THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK.
3. THE CONTRACTOR IS TO PROVIDE ADEQUATE MEANS OF ALLAYING DUST AS NECESSARY BY APPLYING EITHER MOISTURE, CALCIUM CHLORIDE OR BOTH MATERIALS ALONG THOSE SECTIONS OF THE PROJECT ADJACENT TO PUBLIC ACCESS.
4. APPLY PERMANENT VEGETATION (SODDING AND SEEDING) WITH SOIL PREPARATION, AMENDMENTS AND SEED MIXTURE APPROPRIATE TO THE TIME OF YEAR IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS AS DEPICTED IN SECTION 3.32 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK.
5. NO UNPROTECTED, DISTURBED AREA SHALL DRAIN TO ROADWAY PAVEMENTS SUCH THAT THE SUBBASE, BASE OR WEARING SURFACE ARE CONTAMINATED BY SILT TRAPPED AT LOW POINT OR INLETS.

**PERMANENT SOIL STABILIZATION NOTE:**  
(MS-1) PERMANENT SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE.

**PERMANENT VEGETATIVE COVER NOTE:**  
(MS-3) A PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED ON DENUDED AREAS NOT OTHERWISE PERMANENTLY STABILIZED. PERMANENT VEGETATION SHALL NOT BE CONSIDERED ESTABLISHED UNTIL GROUND COVER IS ACHIEVED THAT IS UNIFORM, MATURE ENOUGH TO SURVIVE AND WILL INHIBIT EROSION.

(MS-7) CUT AND FILL SLOPES SHALL BE CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION. THE USE OF SURFACE ROUGHENING TECHNIQUES SHALL BE EMPLOYED. SLOPES THAT ARE FOUND TO BE ERODING EXCESSIVELY WITHIN ONE YEAR OF PERMANENT STABILIZATION SHALL BE PROVIDED WITH ADDITIONAL SLOPE STABILIZING MEASURES UNTIL THE PROBLEM IS CORRECTED AS DIRECTED BY THE SITE INSPECTOR.

ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE STABILIZED WITH PERMANENT SEEDING IMMEDIATELY FOLLOWING FINISH GRADING. SEEDING SHALL BE SELECTED ACCORDING TO STD & SPEC 3.32, TABLES 3.32-A&B OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK. THE PLANTING SOIL MUST HAVE ENOUGH FINE GRADED SOIL, FAVORABLE PH, SUFFICIENT PORE SPACE, SUFFICIENT DEPTH AND FREE FROM TOXIC AMOUNTS OF HARMFUL MATERIALS OR EXCESSIVE QUANTITIES OF ROOTS/STONES AND SHALL BE APPLIED WITH STD & SPEC 3.30. AFTER SEED IS IN PLACE, IT MUST BE PROTECTED WITH A MULCH TO HOLD MOISTURE AND MODIFY TEMPERATURE EXTREMES, AND TO PREVENT EROSION WHILE SEEDLINGS ARE GROWING.

**GENERAL LAND CONSERVATION NOTES**

1. NO DISTURBED AREA WHICH IS NOT ACTIVELY BEING WORKED SHALL REMAIN DENUDED FOR MORE THAN 7 CALENDAR DAYS UNLESS OTHERWISE AUTHORIZED BY THE DIRECTOR.
2. ALL E&S CONTROL MEASURES APPROVED WITH THE PHASE I E&S PLAN SHALL BE PLACED AS THE FIRST STEP IN GRADING.
3. ALL TEMPORARY EARTH BERMS, DIVERSIONS AND SEDIMENT CONTROL DAMS SHALL BE SEEDED AND MULCHED FOR TEMPORARY VEGETATIVE COVER IMMEDIATELY (AS SOON AS POSSIBLE BUT NO LATER THAN 48 HRS) AFTER COMPLETION OF GRADING. STRAW OR HAY MULCH IS REQUIRED. ALL SOIL STOCKPILES SHALL BE SEEDED AND MULCHED WITHIN 7 DAYS AFTER GRADING. SEDIMENT BASINS AND TRAPS, PERIMETER DIKES, SEDIMENT BARRIERS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT SHALL BE CONSTRUCTED AS A FIRST STEP IN ANY LAND-DISTURBING ACTIVITY AND SHALL BE MADE FUNCTIONAL BEFORE UPSLOPE LAND DISTURBANCE TAKES PLACE PER (MS-4) MINIMUM STANDARDS. STABILIZATION MEASURES SHALL BE APPLIED TO EARTHEN STRUCTURES SUCH AS DAMS, DIKES AND DIVERSIONS IMMEDIATELY AFTER INSTALLATION (MS-5)
4. ANY DISTURBED AREA NOT COVERED BY NOTE NUMBER 1 OF THIS SECTION AND NOT PAVED, SODDED OR BUILT UPON BY NOVEMBER 1, OR DISTURBED AFTER THAT DATE, SHALL BE MULCHED IMMEDIATELY WITH HAY OR STRAW MULCH AT THE RATE OF 2 TONS/ACRE AND OVER SEEDED BY APRIL 15.
5. AT THE COMPLETION OF ANY PROJECT CONSTRUCTION AND PRIOR TO BOND RELEASE, ALL TEMPORARY SEDIMENT CONTROLS SHALL BE REMOVED AND ALL DENUDED AREAS SHALL BE STABILIZED.
6. DURING CONSTRUCTION OF THE PROJECT, SOIL STOCKPILES AND BORROW AREAS SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES.
7. ALL SOIL THAT IS BROUGHT TO THE SITE SHALL BE FROM AN APPROVED (i.e. PERMITTED) LOCATION. ALL SOIL REMOVED FROM THE SITE WILL BE TAKEN TO AN APPROVED (i.e. PERMITTED) LOCATION.
8. CONTRACTOR TO ENSURE ANY CONCENTRATED RUNOFF SHALL NOT FLOW DOWN CUT OR FILL SLOPES UNLESS CONTAINED WITHIN AN ADEQUATE TEMPORARY OR PERMANENT CHANNEL, FLUME OR SLOPE DRAIN STRUCTURE AS REQUIRED OR DIRECTED BY THE SITE INSPECTOR (MS-8). ADDITIONALLY THE CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE PROTECTION WHENEVER WATER SEEPS FROM A SLOPE FACE AS REQUIRED DURING CONSTRUCTION OPERATIONS (MS-9).

**SEDIMENT AND EROSION CONTROL NARRATIVE**

THE PURPOSE OF THIS PROJECT IS TO REMOVE AN EXISTING ASPHALT DRIVEWAY AND REPLACE WITH AN ASPHALT DRIVEWAY AND WALKWAY. A 5' WIDE STABILIZED STONE DUST TRAIL WILL BE CONSTRUCTED TO PROVIDE ADA ACCESSIBILITY TO THE POND FROM THE ROAD. ADDITIONALLY, A 2.5' WIDE WOOD CHIP TRAIL WILL BE BUILT AROUND THE POND, WITH BOARDWALKS USED TO CROSS WETLANDS. TWO DRAINAGE CULVERTS WILL BE INSTALLED ALONG THE WOOD CHIP TRAIL. THE TRAIL IS INTENDED AS A NATURE PATH THAT REQUIRES NO GRADING, THEREFORE THERE ARE NO E/S REQUIREMENTS.

**EXISTING SITE CONDITIONS**  
CURRENTLY THE SITE IS AN EXISTING AMENITY POND.

**ADJACENT PROPERTY**  
ASHBY POND IS BOUNDED BY RESIDENTIAL PROPERTIES TO THE WEST, SOUTH AND EAST WITH ASHBY ROAD TO THE NORTH.

**OFFSITE AREAS**  
NO OFFSITE AREAS OF CONSTRUCTION ARE ANTICIPATED WITH THIS PROJECT, ALL MATERIAL REMOVED FROM THE SITE WILL BE DISPOSED OF AT AN APPROVED DISPOSAL FACILITY.

**CRITICAL EROSION AREAS**  
CRITICAL EROSION AREAS ANTICIPATED WITH THIS CONSTRUCTION PROJECT ARE THE STEEP SLOPES IN SOME LOCATIONS AROUND THE POND. SINCE THE DISTURBANCE REQUIRED FOR THE WOOD CHIP TRAIL IN THESE AREAS WILL BE LIMITED, NO ADDITIONAL PROTECTIVE MEASURES ARE DEEMED AS BEING WARRANTED.

**SEDIMENT CONTROL PROGRAM**  
THE EROSION AND SEDIMENT CONTROL PROGRAM IS PROPOSED IN ONE PHASE WHERE ALL EROSION CONTROL MEASURES SHALL BE INSTALLED BEFORE CLEARING, GRADING AND ALSO CONSIST OF STABILIZATION OF THE DISTURBED AREAS AND THE REMOVAL OF EROSION CONTROL DEVICES AFTER SITE INSPECTION.

CONTROL MEASURES SHALL BE INSTALLED AS SHOWN ON THE SITE PLAN. ADDITIONAL MEASURES MAY BE INSTALLED AT THE DISCRETION OF THE CONTRACTOR AS NEEDED.

**EROSION AND SEDIMENT CONTROL MEASURES FOR PHASE I WILL INCLUDE**

**DUST CONTROL NARRATIVE**  
THE CONTRACTOR SHALL UTILIZE DUST CONTROL MEASURES AS DEFINED IN THE VIRGINIA STATE EROSION AND SEDIMENT CONTROL HANDBOOK TO PREVENT SURFACE AND AIR MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES AND REDUCE THE PRESENCE OF AIRBORNE SUBSTANCES WHICH MAY PRESENT HEALTH HAZARDS, TRAFFIC SAFETY PROBLEMS OR HARM ANIMAL OR PLANT LIFE.

1. CONSTRUCTION ENTRANCE 3.02 TO MINIMIZE THE AMOUNT OF MUD CARRIED FROM THE SITE ONTO PUBLIC AND PRIVATE ROADS.
2. SUPER SILT FENCE (3.05) SHALL BE USED TO PROTECT THE POND FROM SEDIMENT DURING CONSTRUCTION. THE FENCE SHOULD BE INSPECTED AND REPLACED ON A REGULAR BASIS ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

**PERMANENT STABILIZATION/VEGETATIVE MEASURES WILL INCLUDE**

1. PERMANENT SEEDING (3.32) - ALL AREAS DENUDED BY THIS CONSTRUCTION SHALL BE STABILIZED WITH APPROPRIATE TURF GRASSES, GROUND COVER, AND/OR OTHER ACCEPTABLE MEASURES.

**MAINTENANCE**

1. ALL MEASURES ARE TO BE INSPECTED DAILY BY THE SITE SUPERINTENDENT OR HIS REPRESENTATIVE. ANY DAMAGED STRUCTURAL MEASURES ARE TO BE REPAIRED BY THE END OF THE DAY.
2. TRAPPED SEDIMENT IS TO BE REMOVED AS REQUIRED TO MAINTAIN EFFICIENCY AND TO BE DISPOSED OF BY SPREADING ON-SITE.
3. CONTROLS MAY BE REMOVED AFTER AREAS ABOVE THEM HAVE BEEN STABILIZED AND WITH APPROVAL OF THE SITE INSPECTOR.

**EROSION CONTROL REMOVAL NOTE**  
(MS-18) ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE MEASURES ARE NO LONGER NEEDED, UNLESS OTHERWISE AUTHORIZED BY THE LOCAL PROGRAM AUTHORITY. TRAPPED SEDIMENT AND THE DISTURBED SOIL AREAS SHALL BE PERMANENTLY STABILIZED TO PREVENT EROSION AND SEDIMENTATION.

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NO.	DESCRIPTION	REVIEW BY	APPROVED	DATE

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DIVISION OF DESIGN REVIEW

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SCALE HORIZ: N/A  
VERT: N/A

SEAL  
COMMONWEALTH OF VIRGINIA  
ROBERT W. WALKER  
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1/2/13  
PROFESSIONAL ENGINEER

EROSION AND SEDIMENT CONTROL PLAN NARRATIVE

PROJECT  
ASHBY POND  
TRAIL PROJECT  
CITY OF FAIRFAX, VIRGINIA

JOB 3000-0101

CADD 2840-DET

SHEET 5 OF 5