OUTLET PROTECTION-STD. 3.18.....STRUCTURALLY LINED APRONS OR OTHER OUTLETS OF PIPES OR PAVED CHANNEL SECTIONS TO PREVENT SCOUR AT TEMPORARY SEDIMENT TRAP-STD. 3.13....A TEMPORARY PONDING AREA OUTLET TO DETAIN SEDIMENT-LADEN RUNOFF FROM SMALL DISTURBED SETTLE OUT. STRUCTURAL — CONSTRUCTION ENTRANCE—STD. 3.02.....A STONE PAD, LOCATED AT POINTS OF VEHICULAR SITE, TO REDUCE THE SOIL TRANSPORTED ONTO PUBLIC ROADS AND OTHER PAVED AREAS EROSION AND SEDIMENT CONTROL MEASURE NARRATIVE: UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE ( MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE "VIRGINIA EROSION AND SEDIMENT CONTROL I EDITION" (VESCH). THE MINIMUM STANDARDS OF THE VESCH SHALL BE ADHERED TO UNLESS OTHERWISE DIRECTED BY THE ADMINISTRATOR. <u>SOILS:</u> THE FOLLOWING SOILS INFORMATION IS REFERENCED FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE'S WEB ACCORDING TO THIS SOIL SURVEY, THE SOILS PRESENT ON-SITE ARE 6C - BOTETOURT LOAM, 7 TO 15 PERCENT SLOPES 20D - FREDERICK LOAM, 15 TO 30 PERCENT SLOPES (HSG-B). TEMPORARY DIVERSION DIKE-STD. 3.09.....A TEMPORARY RIDGE OF COMPACTED SOIL CONSTRUCTED DISTURBED AREA TO DIVERT SEDIMENT-LADEN RUNOFF TO A SEDIMENT-TRAPPING FACILITY. PERMANENT SEEDING—STD. 3.32....ESTABLISHMENT OF PERENNIAL VEGETATIVE EROSION AND DECREASE SEDIMENT YIELD FROM DISTURBED AREAS. ROCK CHECK DAMS-STD. 3.20....SMALL, TEMPORARY STONE DAMS CONSTRUCTED ACROSS A DRAINAGE DITCH TO REDUCE THE VELOCITY OF FLOWS, REDUCING EROSION OF THE DITCH. SILT FENCE-STD. 3.05 AND DETAIN SEDIMENT. CETATION AND TO PROTECT THE SOIL SURFACE NARRATIVE: THE CRITICAL AREAS
THE G.C. SHALL PAY SPECIAL
SHALL BE STABILIZED AS SOON CARDIOLOGY, TITHIS TIME, THERE ARE NO FILL OR BORROW AREAS PLANNED WITH THIS PROJECT. THE CONTRACTOR OF ANY FILL OR BORROW AREAS PRIOR TO TRANSPORTING ANY MATERIAL ON OR OFF-SITE, EROSION REQUIRED FOR OFF-SITE AREAS ASSOCIATED WITH THIS PROJECT. 3.07....A SEDIMENT FILTER TO PREVENT SEDIMENT FROM ENTERING, OCIATED DRAINAGE SYSTEM PRIOR TO PERMANENT STABILIZATION OF BARRIER CONSTRUCTED LUDE ALL AREAS NEAR EXISTING PROPERTY LINES AND ALL STEEP THESE AREAS AND ENSURE THAT SEDIMENT IS NOT TRANSPORTED AFTER REACHING FINAL GRADE. ACCEPTABLE ENERGY STORMWATER OUTLETS SEEDING DISTURBED ACCUMULATING IN AND A DISTURBED PROJECT AND 유 ТО

<u>SITE STABILIZATION NARRATIVE:</u> ALL AREAS DISTURBED BY CONSTRUCTION THAT DO NOT RECEIVE PAVEMENT, CONCRETE, PERMANENTLY STABILIZED IMMEDIATELY FOLLOWING FINISHED GRADING. PERMANENT STABIL WITHIN THIS PLAN SET.

THES AND WATERWAYS DOWNSTREAM FROM DEVELOPMENT SITES SHALL BE PROTECTED FROM SEDIMENT DEPOSITION, EROSION AND DAMAGE DUE TO SES IN VOLUME, VELOCITY AND PEAK FLOW RATE OF STORMWATER RUNOFF FOR THE STATED FREQUENCY STORM OF 24-HOUR DURATION IN JANCE WITH THE FOLLOWING STANDARDS & CRITERIA

JANCE WITH THE FOLLOWING STANDARDS & CRITERIA

CICENTRATED STORMWATER RUNOFF LEAVING A DEVELOPMENT SITE SHALL BE DISCHARGED DIRECTLY INTO AN ADEQUATE OR MAN—MADE RECEIVING ANNEL, PIPE OR STORM SEWER SYSTEM. FOR THOSE SITES WHERE RUNOFF IS DISCHARGED INTO A PIPE OR PIPE SYSTEM, DOWNSTREAM STABILITY ALYSES AT THE OUTFALL OF THE PIPE OR PIPE SYSTEM SHALL BE VERIFIED IN THE FOLLOWING MANNER:

THE APPLICANT SHALL DEMONSTRATE THAT THE TOTAL DRAINAGE AREA TO THE POINT OF ANALYSIS WITHIN THE CHANNEL IS ONE HUNDRED TIMES GREATER THAN THE CONTRIBUTING DRAINAGE AREA OF THE PROJECT IN QUESTION OR

(a) NATURAL CHANNELS SHALL BE ANALYZED BY THE USE OF THE TWO—YEAR STORM TO VERIFY THAT STORMWATER WILL NOT OVERTOP CHANNEL BAIL BE ON STORM SEWER SYSTEMS SHALL BE ANALYZED BY THE USE OF THE 10—YEAR STORM TO VERIFY THAT STORMWATER WILL BE ON BANKS; AND THE USE OF A 2—YEAR STORM TO DEMONSTRATE THAT STORMMATER WILL NOT CAUSE EROSION OF CHANNEL BED OR BANKS; AND THE USE OF A TEN—YEAR STORM TO VERIFY THAT STORMWATER WILL BE CONTAINED IN THE STORMWATER WILL BE CONTAINED IN THE USE OF A TEN—YEAR STORM TO VERIFY THE STORMWATER WILL BE CONTAINED IN THE USE OF A TEN—YEAR STORM TO VERIFY THE STORMWATER WILL BE CONTAINED. ROVIDED WITHIN
LATIONS PACKAGE
SITE DESIGN WILL
PROTECTION AND
REQUIREMENTS

DRAWN

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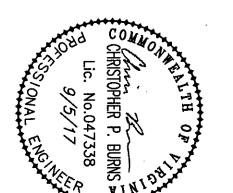
DATE

7/17/2017

REVISIONS: 9/5/2017

**BOTETOURT FAMILY YMCA** 

**ESC NOTES** AMSTERDAM DISTRICT BOTETOURT COUNTY, VIRGINIA



UNOFF SHALL BE
EEP SLOPES ON-SITE

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NOT APPLICABLE

NOT APPLICABLE NO CREEKS ON-SITE

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(NC)

FOR PROVIDED STOCKPILES

FOR ALL DENUDED AREAS

SF (IP) (ST) (DD) (CI)
FOR ALL DRAINAGE DIVIDES

FOR ALL EARTHEN STRUCTURE

ST)

SEDIMENT BASINS AND TRAPS, PERIMETER DIKES, SEDIMENT BARRIERS AND OTHER MEASURES INTENDED TO TRAP SEDIMEN SHALL BE CONSTRUCTED AS A FIRST STEP IN ANY LAND—DISTURBING ACTIVITY AND SHALL BE MADE FUNCTIONAL BEFORE UPSLOPE LAND DISTURBANCE TAKES PLACE.

MU AREAS

ROSION

SEDIMENT

CONTROL

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VITARY, STORM VATERLINE ATION