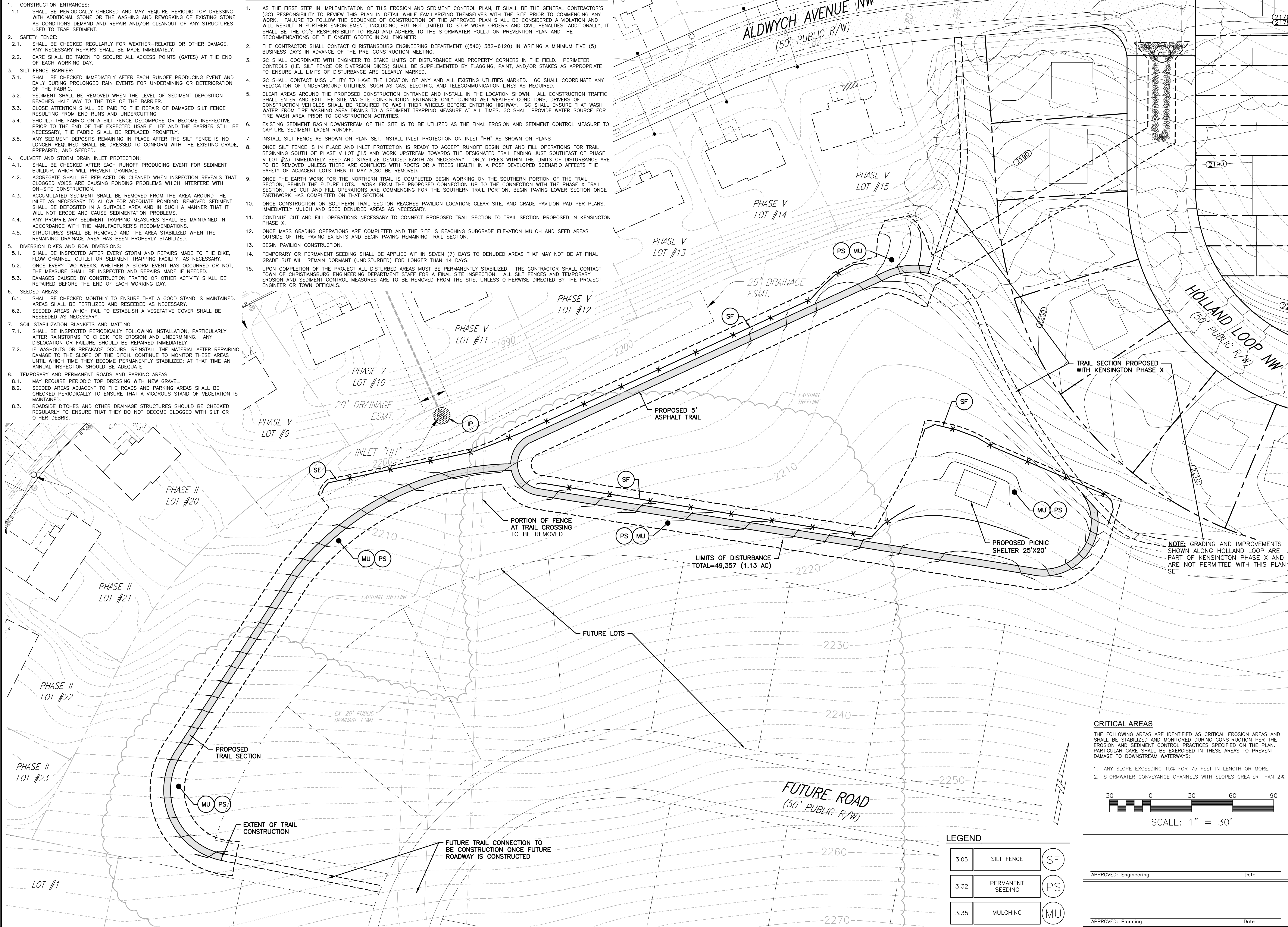


E.&S.C. MAINTENANCE SCHEDULE

- CONSTRUCTION ENTRANCES:
 - SHALL BE PERIODICALLY CHECKED AND MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR THE WASHING AND REWORKING OF EXISTING STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY STRUCTURES USED TO TRAP SEDIMENT.
- SAFETY FENCE:
 - SHALL BE CHECKED REGULARLY FOR WEATHER-RELATED OR OTHER DAMAGE. ANY NECESSARY REPAIRS SHALL BE MADE IMMEDIATELY.
 - CARE SHALL BE TAKEN TO SECURE ALL ACCESS POINTS (GATES) AT THE END OF EACH WORKING DAY.
- SILT FENCE BARRIER:
 - SHALL BE CHECKED IMMEDIATELY AFTER EACH RUNOFF PRODUCING EVENT AND DAILY DURING PROLONGED RAIN EVENTS FOR UNDERMINING OR DETERIORATION OF THE FABRIC.
 - SEDIMENT SHALL BE REMOVED WHEN THE LEVEL OF SEDIMENT DEPOSITION REACHES HALF WAY TO THE TOP OF THE BARRIER.
 - CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED SILT FENCE RESULTING FROM END RUNS AND UNDERCUTTING.
 - SHOULD THE FABRIC ON A SILT FENCE DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USEFUL LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
 - ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED, AND SEEDED.
- CULVERT AND STORM DRAIN INLET PROTECTION:
 - SHALL BE CHECKED AFTER EACH RUNOFF PRODUCING EVENT FOR SEDIMENT BUILDUP, WHICH WILL PREVENT DRAINAGE.
 - AGGREGATE SHALL BE REPLACED OR CLEANED WHEN INSPECTION REVEALS THAT CLOGGED VOIDS ARE CAUSING PONDING PROBLEMS WHICH INTERFERE WITH ON-SITE CONSTRUCTION.
 - ACCUMULATED SEDIMENT SHALL BE REMOVED FROM THE AREA AROUND THE INLET AS NECESSARY TO ALLOW FOR ADEQUATE PONDING. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE AND CAUSE SEDIMENTATION PROBLEMS.
 - ANY PROPRIETARY SEDIMENT TRAPPING MEASURES SHALL BE MAINTAINED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
 - STRUCTURES SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE REMAINING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
- DIVERSION DIKES AND ROW DIVERSIONS:
 - SHALL BE INSPECTED AFTER EVERY STORM AND REPAIRS MADE TO THE DIKE, FLOW CHANNEL, OUTLET OR SEDIMENT TRAPPING FACILITY, AS NECESSARY.
 - ONCE EVERY TWO WEEKS, WHETHER A STORM EVENT HAS OCCURRED OR NOT, THE MEASURE SHALL BE INSPECTED AND REPAIRS MADE IF NEEDED.
 - DAMAGES CAUSED BY CONSTRUCTION TRAFFIC OR OTHER ACTIVITY SHALL BE REPAIRED BEFORE THE END OF EACH WORKING DAY.
- SEEDED AREAS:
 - SHALL BE CHECKED MONTHLY TO ENSURE THAT A GOOD STAND IS MAINTAINED. AREAS SHALL BE FERTILIZED AND RESEEDED AS NECESSARY.
 - SEEDED AREAS WHICH FAIL TO ESTABLISH A VEGETATIVE COVER SHALL BE RESEEDED AS NECESSARY.
- SOIL STABILIZATION BLANKETS AND MATTING:
 - SHALL BE INSPECTED PERIODICALLY FOLLOWING INSTALLATION, PARTICULARLY AFTER RAINSTORMS TO CHECK FOR EROSION AND UNDERMINING. ANY DISLOCATION OR FAILURE SHOULD BE REPAIRED IMMEDIATELY.
 - IF WASHOUTS OR BREAKAGE OCCURS, REINSTALL THE MATERIAL AFTER REPAIRING DAMAGE TO THE SLOPE OF THE DITCH. CONTINUE TO MONITOR THESE AREAS UNTIL WHICH TIME THEY BECOME PERMANENTLY STABILIZED; AT THAT TIME AN ANNUAL INSPECTION SHOULD BE ADEQUATE.
- TEMPORARY AND PERMANENT ROADS AND PARKING AREAS:
 - MAY REQUIRE PERIODIC TOP DRESSING WITH NEW GRAVEL.
 - SEEDED AREAS ADJACENT TO THE ROADS AND PARKING AREAS SHALL BE CHECKED PERIODICALLY TO ENSURE THAT A VIGOROUS STAND OF VEGETATION IS MAINTAINED.
 - ROADSIDE DITCHES AND OTHER DRAINAGE STRUCTURES SHOULD BE CHECKED REGULARLY TO ENSURE THAT THEY DO NOT BECOME CLOGGED WITH SILT OR OTHER DEBRIS.

PHASE I SEQUENCE OF CONSTRUCTION

- AS THE FIRST STEP IN IMPLEMENTATION OF THIS EROSION AND SEDIMENT CONTROL PLAN, IT SHALL BE THE GENERAL CONTRACTOR'S (GC) RESPONSIBILITY TO REVIEW THIS PLAN IN DETAIL WHILE FAMILIARIZING THEMSELVES WITH THE SITE PRIOR TO COMMENCING ANY WORK. FAILURE TO FOLLOW THE SEQUENCE OF CONSTRUCTION OF THE APPROVED PLAN SHALL BE CONSIDERED VIOLATION AND WILL RESULT IN FURTHER ENFORCEMENT, INCLUDING, BUT NOT LIMITED TO STOP WORK ORDERS AND CIVIL PENALTIES. ADDITIONALLY, IT SHALL BE THE GC'S RESPONSIBILITY TO READ AND ADHERE TO THE STORMWATER POLLUTION PREVENTION PLAN AND THE RECOMMENDATIONS OF THE ON-SITE GEOTECHNICAL ENGINEER.
- THE CONTRACTOR SHALL CONTACT CHRISTIANSBURG ENGINEERING DEPARTMENT ((540) 382-6120) IN WRITING A MINIMUM FIVE (5) BUSINESS DAYS IN ADVANCE OF THE PRE-CONSTRUCTION MEETING.
- GC SHALL COORDINATE WITH ENGINEER TO STAKE LIMITS OF DISTURBANCE AND PROPERTY CORNERS IN THE FIELD. PERIMETER CONTROLS (I.E. SILT FENCE OR DIVERSION DIKES) SHALL BE SUPPLEMENTED BY FLAGGING, PAINT, AND/OR STAKES AS APPROPRIATE TO ENSURE ALL LIMITS OF DISTURBANCE ARE CLEARLY MARKED.
- GC SHALL CONTACT MISS UTILITY TO HAVE THE LOCATION OF ANY AND ALL EXISTING UTILITIES MARKED. GC SHALL COORDINATE ANY RELOCATION OF UNDERGROUND UTILITIES, SUCH AS GAS, ELECTRIC, AND TELECOMMUNICATION LINES AS REQUIRED.
- CLEAR AREAS AROUND THE PROPOSED CONSTRUCTION ENTRANCE AND INSTALL IN THE LOCATION SHOWN. ALL CONSTRUCTION TRAFFIC SHALL ENTER AND EXIT THE SITE VIA SITE CONSTRUCTION ENTRANCE ONLY. DURING WET WEATHER CONDITIONS, DRIVERS OF CONSTRUCTION VEHICLES SHALL BE REQUIRED TO WASH THEIR WHEELS BEFORE ENTERING HIGHWAY. GC SHALL ENSURE THAT WASH WATER FROM TIRE WASHING AREA DRAINS TO A SEDIMENT TRAPPING MEASURE AT ALL TIMES. GC SHALL PROVIDE WATER SOURCE FOR TIRE WASH AREA PRIOR TO CONSTRUCTION ACTIVITIES.
- EXISTING SEDIMENT BASIN DOWNSTREAM OF THE SITE IS TO BE UTILIZED AS THE FINAL EROSION AND SEDIMENT CONTROL MEASURE TO CAPTURE SEDIMENT LADEN RUNOFF.
- INSTALL SILT FENCE AS SHOWN ON PLAN SET. INSTALL INLET PROTECTION ON INLET "HH" AS SHOWN ON PLANS
- ONCE SILT FENCE IS IN PLACE AND INLET PROTECTION IS READY TO ACCEPT RUNOFF BEGIN CUT AND FILL OPERATIONS FOR TRAIL BEGINNING SOUTH OF PHASE V LOT #15 AND WORK UPSTREAM TOWARDS THE DESIGNATED TRAIL ENDING JUST SOUTHWEST OF PHASE V LOT #23. IMMEDIATELY SEED AND STABILIZE DENUED EARTH AS NECESSARY. ONLY TREES WITHIN THE LIMITS OF DISTURBANCE ARE TO BE REMOVED UNLESS THERE ARE CONFLICTS WITH ROOTS OR A TREES HEALTH IN A POST DEVELOPED SCENARIO AFFECTS THE SAFETY OF ADJACENT LOTS THEN IT MAY ALSO BE REMOVED.
- ONCE THE EARTH WORK FOR THE NORTHERN TRAIL IS COMPLETED BEGIN WORKING ON THE SOUTHERN PORTION OF THE TRAIL SECTION, BEHIND THE FUTURE LOTS. WORK FROM THE PROPOSED CONNECTION UP TO THE CONNECTION WITH THE PHASE X TRAIL SECTION AS CUT AND FILL OPERATIONS ARE COMMENCING FOR THE SOUTHERN TRAIL PORTION, BEGIN PAVING LOWER SECTION ONCE EARTHWORK HAS COMPLETED ON THAT SECTION.
- ONCE CONSTRUCTION ON SOUTHERN TRAIL SECTION REACHES PAVILION LOCATION; CLEAR SITE, AND GRADE PAVILION PAD PER PLANS. IMMEDIATELY MULCH AND SEED DENUED AREAS AS NECESSARY.
- CONTINUE CUT AND FILL OPERATIONS NECESSARY TO CONNECT PROPOSED TRAIL SECTION TO TRAIL SECTION PROPOSED IN KENSINGTON PHASE X.
- ONCE MASS GRADING OPERATIONS ARE COMPLETED AND THE SITE IS REACHING SUBGRADE ELEVATION MULCH AND SEED AREAS OUTSIDE OF THE PAVING EXTENTS AND BEGIN PAVING REMAINING TRAIL SECTION.
- BEGIN PAVILION CONSTRUCTION.
- TEMPORARY OR PERMANENT SEEDING SHALL BE APPLIED WITHIN SEVEN (7) DAYS TO DENUED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT (UNDISTURBED) FOR LONGER THAN 14 DAYS.
- UPON COMPLETION OF THE PROJECT ALL DISTURBED AREAS MUST BE PERMANENTLY STABILIZED. THE CONTRACTOR SHALL CONTACT TOWN OF CHRISTIANSBURG ENGINEERING DEPARTMENT STAFF FOR A FINAL SITE INSPECTION. ALL SILT FENCES AND TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE REMOVED FROM THE SITE, UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER OR TOWN OFFICIALS.



CRITICAL AREAS
 THE FOLLOWING AREAS ARE IDENTIFIED AS CRITICAL EROSION AREAS AND SHALL BE STABILIZED AND MONITORED DURING CONSTRUCTION PER THE EROSION AND SEDIMENT CONTROL PRACTICES SPECIFIED ON THE PLAN. PARTICULAR CARE SHALL BE EXERCISED IN THESE AREAS TO PREVENT DAMAGE TO DOWNSTREAM WATERWAYS:

- ANY SLOPE EXCEEDING 15% FOR 75 FEET IN LENGTH OR MORE.
- STORMWATER CONVEYANCE CHANNELS WITH SLOPES GREATER THAN 2%.

SCALE: 1" = 30'

LEGEND

3.05	SILT FENCE	(SF)
3.32	PERMANENT SEEDING	(PS)
3.35	MULCHING	(MU)

APPROVED: Engineering _____ Date _____

APPROVED: Planning _____ Date _____



BALZER & ASSOCIATES
 PLANNERS / ARCHITECTS
 ENGINEERS / SURVEYORS

Roanoke / Richmond
 New River Valley / Staunton
 Harrisonburg / Lynchburg
www.balzer.cc
 448 Peppers Ferry Road, NW
 Christiansburg, VA 24073
 540.381.4290



KENSINGTON OPEN SPACE TRAIL & PAVILION PLAN
 220 ALDWYCH AVENUE NW
EROSION & SEDIMENT CONTROL PLAN

RIVER MAGISTERIAL DISTRICT
 TOWN OF CHRISTIANSBURG, VIRGINIA

DRAWN BY: MRM
 DESIGNED BY: MRM
 CHECKED BY: SMS
 DATE: 05/01/2019
 SCALE: 1" = 30'
 REVISIONS:
 SUB #2 05/28/2019