

190010655

EROSION & SEDIMENT CONTROL NARRATIVE

JAMES CITY COUNTY STANDARD STORMWATER POLLUTION PREVENTION NOTES:

EXISTING SITE CONDITIONS

THE PROJECT SITE (THE SITE) LIES AT THE INTERSECTION OF JAMESTOWN ROAD AND NECK-OLAND ROAD. THE SITE CONTAINS 8.75 ACRES AND IS CURRENTLY UNDEVELOPED. THE SITE IS CURRENTLY COVERED BY HEAVY VEGETATION. THE SITE SLOPES HEAVILY FROM THE NORTH EAST CORNER OF THE PROPERTY TOWARDS THE BURNING PROPERTY LINES WITH SOME SLOPES IN EXCESS OF 25%.

ADJACENT AREA

THE SITE IS BOUNDED ON THE NORTH AND WEST BY JAMESTOWN ROAD RIGHT-OF-WAY, ON THE EAST BY NECK-OLAND ROAD RIGHT-OF-WAY, AND ON THE SOUTH BY EXISTING DEVELOPED PROPERTY OWNED BY PRIVATE PARTIES.

OFFSITE AREAS

THERE ARE NO OFFSITE LAND DISTURBANCES ASSOCIATED WITH THIS PLAN.

PROPOSED DEVELOPMENT

DEVELOPMENT ASSOCIATED WITH THIS PROJECT CONSIST OF THE CONSTRUCTION OF A HAROSCAPE TRAIL SYSTEM THROUGHOUT THE SITE IN ADDITION TO THE CONSTRUCTION OF AN IWO JIMA MEMORIAL MONUMENT, OUTDOOR GAZING, AND GROUNDS MAINTENANCE SHED.

ON-SITE SOILS CLASSIFICATION

SOIL DELINEATION AND CLASSIFICATIONS OBTAINED FROM THE USDA NRCS WEB SOIL SURVEY DATABASE ACCESSSED IN NOVEMBER 2018. DESCRIPTIONS OF SOILS ARE FROM THE USDA SOIL SURVEY OF JAMES CITY COUNTY, VIRGINIA.

1G GRANVILLE COMPLEX 8 TO 10 PERCENT SLOPES - HYDROLOGIC SOIL GROUP D

THE GRANVILLE COMPONENT CONSISTS OF MARINE DEPOSITS. DEPTH TO A ROOT RESTRICTIVE LAYER IS GREATER THAN 60 INCHES. THE NATURAL DRAINAGE CLASS IS MODERATELY WELL DRAINED. WATER MOVEMENT IN THE MOST RESTRICTIVE LAYER IS MODERATELY LOW. AVAILABLE WATER TO A DEPTH OF 60 INCHES (OR RESTRICTED DEPTH) IS MODERATE. SHRINK-SWELL POTENTIAL IS MODERATE. THIS SOIL IS NOT FLOODED. IT IS NOT FLOODED. ORGANIC MATTER CONTENT IN THE SURFACE HORIZON IS ABOUT 1 PERCENT. NONIRRIGATED LAND CAPABILITY CLASSIFICATION IS 2E. THIS SOIL DOES NOT MEET HYDROIC CRITERIA.

THE BOHEE COMPONENT CONSISTS OF MARINE DEPOSITS. DEPTH TO A ROOT RESTRICTIVE LAYER IS GREATER THAN 60 INCHES. THE NATURAL DRAINAGE CLASS IS MODERATELY WELL DRAINED. WATER MOVEMENT IN THE MOST RESTRICTIVE LAYER IS MODERATELY HIGH. AVAILABLE WATER TO A DEPTH OF 60 INCHES (OR RESTRICTED DEPTH) IS MODERATE. SHRINK-SWELL POTENTIAL IS MODERATE. THIS SOIL IS NOT FLOODED. IT IS NOT FLOODED. ORGANIC MATTER CONTENT IN THE SURFACE HORIZON IS ABOUT 1 PERCENT. NONIRRIGATED LAND CAPABILITY CLASSIFICATION IS 2E. THIS SOIL DOES NOT MEET HYDROIC CRITERIA.

1B KEMPVILLE-EPHORA FINE SANDY LOAM 2 TO 4 PERCENT SLOPES - HYDROLOGIC SOIL GROUP A

THE KEMPVILLE COMPONENT CONSISTS OF MARINE DEPOSITS. DEPTH TO A ROOT RESTRICTIVE LAYER IS GREATER THAN 60 INCHES. THE NATURAL DRAINAGE CLASS IS MODERATELY WELL DRAINED. WATER MOVEMENT IN THE MOST RESTRICTIVE LAYER IS MODERATELY HIGH. AVAILABLE WATER TO A DEPTH OF 60 INCHES (OR RESTRICTED DEPTH) IS MODERATE. SHRINK-SWELL POTENTIAL IS MODERATE. THIS SOIL IS NOT FLOODED. IT IS NOT FLOODED. ORGANIC MATTER CONTENT IN THE SURFACE HORIZON IS ABOUT 1 PERCENT. NONIRRIGATED LAND CAPABILITY CLASSIFICATION IS 2E. THIS SOIL DOES NOT MEET HYDROIC CRITERIA.

THE EPHORA COMPONENT CONSISTS OF MARINE DEPOSITS. DEPTH TO A ROOT RESTRICTIVE LAYER IS GREATER THAN 60 INCHES. THE NATURAL DRAINAGE CLASS IS MODERATELY WELL DRAINED. WATER MOVEMENT IN THE MOST RESTRICTIVE LAYER IS MODERATELY LOW. AVAILABLE WATER TO A DEPTH OF 60 INCHES (OR RESTRICTED DEPTH) IS MODERATE. SHRINK-SWELL POTENTIAL IS MODERATE. THIS SOIL IS NOT FLOODED. IT IS NOT FLOODED. ORGANIC MATTER CONTENT IN THE SURFACE HORIZON IS ABOUT 1 PERCENT. NONIRRIGATED LAND CAPABILITY CLASSIFICATION IS 2E. THIS SOIL DOES NOT MEET HYDROIC CRITERIA.

2I FRANKS SILT LOAM - HYDROLOGIC SOIL GROUP D

THE FRANKS COMPONENT MAKES UP 80 PERCENT OF THE MAP UNIT. SLOPES ARE 0 TO 5 PERCENT. THIS COMPONENT IS ON STREAM TERRACES ON COASTAL PLAINS. THE PARENT MATERIAL CONSISTS OF MARINE DEPOSITS. DEPTH TO A ROOT RESTRICTIVE LAYER IS GREATER THAN 60 INCHES. THE NATURAL DRAINAGE CLASS IS MODERATELY WELL DRAINED. WATER MOVEMENT IN THE MOST RESTRICTIVE LAYER IS MODERATELY HIGH. AVAILABLE WATER TO A DEPTH OF 60 INCHES (OR RESTRICTED DEPTH) IS MODERATE. SHRINK-SWELL POTENTIAL IS MODERATE. THIS SOIL IS NOT FLOODED. IT IS NOT FLOODED. ORGANIC MATTER CONTENT IN THE SURFACE HORIZON IS ABOUT 1 PERCENT. NONIRRIGATED LAND CAPABILITY CLASSIFICATION IS 2E. THIS SOIL DOES NOT MEET HYDROIC CRITERIA.

EROSION & SEDIMENT CONTROL MEASURES

ALL MEASURES LISTED WITHIN THIS SECTION SHALL BE APPLIED, CONSTRUCTED, AND MAINTAINED IN ACCORDANCE WITH THE LATEST EDITION OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (VESH). REFER TO THE NOTED SECTION WITHIN THE VESH (E.G. VESH 5.02) FOR MORE DETAILED INFORMATION IN GENERAL. ALL MEASURES SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL EVENT FOR SEDIMENT BUILDUP AND REPAIR/REPLACEMENT AS NEEDED. STABILIZATION SHALL OCCUR AS DICTATED IN THE SEQUENCE OF CONSTRUCTION ON THE APPROVED SITE PLAN OR AS DIRECTED BY COUNTY OFFICIALS.

STRUCTURAL PRACTICES

STONE CONSTRUCTION ENTRANCE (VESH 5.02)

THE STONE CONSTRUCTION ENTRANCE IS A STABILIZED STONE PAD WITH A FILTER FABRIC UNDERLAYER LOCATED AT POINTS OF VEHICULAR ACCESS AND EXITS ON A CONSTRUCTION SITE. THE CONSTRUCTION ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH PREVENTS THE TRACKING OF MUD AND/OR SEDIMENT ONTO PAVED RIGHT-OF-WAYS. THIS MAY BE ACHIEVED THROUGH THE ADDITION OF STONE, WASHING/REWORKING EXISTING STONE, AND/OR CLEANOUT OF SEDIMENT BUILDUP, AS NECESSARY.

SILT FENCE (VESH 5.01)

SYNTHETIC FILTER FABRIC STRETCHED ACROSS AND ATTACHED TO SUPPORTING POSTS ENTRENCHED AROUND THE PERIMETER OF PORTIONS OF THE CONSTRUCTION SITE IN ORDER TO INTERCEPT AND DETAIN SMALL AMOUNTS OF SEDIMENT FROM DISTURBED AREAS WHICH WOULD OTHERWISE LEAVE THE PROJECT SITE. THE SILT FENCE (SF) SHALL BE REPAIRED SHOULD BIRD RUNS AND/OR UNDERCUTTING OCCUR. FACING ROCKS/POSTS OR THE FENCE SHOULD BE REPLACED IMMEDIATELY UPON REMOVAL OF THE SF. ANY SEDIMENT BUILDUP REMAINING SHALL BE RESTORED TO FINISH GRADE AND SEED/STABILIZED.

TREE PROTECTION (VESH 5.03)

STAKES OR ANCHORS PROVIDED TO ENSURE THE PROTECTION OF DESIRABLE TREES FROM MECHANICAL AND OTHER INJURY DURING LAND DISTURBING AND CONSTRUCTION ACTIVITY.

VEGETATIVE PRACTICES

TEMPORARY SEEDING (VESH 5.02)

WHERE DISTURBED AREAS WILL NOT BE BROUGHT TO FINAL GRADE FOR A PERIOD OF MORE THAN FOURTEEN (14) DAYS, TEMPORARY SEEDING MUST BE APPLIED. THE PURPOSE IS THE SAME AS THE PERMANENT SEEDING (NOTED BELOW).

PERMANENT SEEDING (VESH 5.02)

THE PRIMARY ROLE OF PERMANENT SEEDING AND FINAL STABILIZATION WITH RESPECT TO POLLUTION PREVENTION IS THE ABILITY OF THIS SEEDING AND STABILIZATION TO PROTECT DISTURBED AREAS FROM EROSION AND THIS DECREASING SEDIMENT YIELD AT THE FIRST LEVEL. PERMANENT SEEDING IS CRUCIAL TO BOTH EROSION AND POLLUTION PREVENTION AND HAS MANY SPECIFIC DETAILS. REFER TO THE VESH AND THE APPROVED SITE PLAN FOR PROPER SEEDING TECHNIQUES AND PRACTICES.

SOIL STABILIZATION BLANKETS / MATTING (VESH 5.06)

PROTECTIVE COVERING IN THE FORM OF BLANKETS OR SOIL STABILIZATION MATS SHALL BE USED ON AREAS MORE SUSCEPTIBLE TO EROSION THAN MOST OTHER AREAS (E.G. STEEP SLOPES). THIS MATTING AIDS IN CONTROLLING EROSION ON THESE CRITICAL AREAS BY PROVIDING A MICROCLIMATE WHICH PROTECTS YOUNG VEGETATION AND PROMOTES ESTABLISHMENT.

DUST CONTROL (VESH 5.04)

METHOD OF REDUCING SURFACE AND AIR MOVEMENT OF DUST DURING LAND DISTURBING, DEMOLITION AND CONSTRUCTION ACTIVITIES MAY BE ACHIEVED THROUGH TEMPORARY AND PERMANENT PLACEMENT OF VEGETATIVE COVER, MULCHING, IRRIGATION, STONE, AND STRUCTURAL BARRIERS.

MAINTENANCE OF CONTROL MEASURES

IN GENERAL, ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED DAILY AND AFTER EACH SIGNIFICANT RAINFALL. THE FOLLOWING ITEMS WILL BE CHECKED IN PARTICULAR:

- 1. THE SILT FENCE BARRIER WILL BE CHECKED REGULARLY FOR UNDERMINING OR DETRIORATION OF THE FABRIC. SEDIMENT SHALL BE REMOVED WHEN THE LEVEL OF SEDIMENT DEPOSITION REACHES HALF WAY TO THE TOP OF THE BARRIER.
2. THE SEEDED AREAS WILL BE CHECKED REGULARLY TO ENSURE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED AND RESEED AS NEEDED.

THE FOLLOWING STANDARD COUNTY NOTES SHALL BECOME PART OF ANY APPROVED STORMWATER POLLUTION PREVENTION PLAN (SWPPP) FOR PLAN OF DEVELOPMENT PROJECTS IN JAMES CITY COUNTY, VIRGINIA. COMPONENTS OF A SWPPP MAY INCLUDE AS APPLICABLE, A SITE EROSION AND SEDIMENT CONTROL (EASC) PLAN, A SITE STORMWATER MANAGEMENT (SSM) PLAN AND A SITE POLLUTION PREVENTION PLAN (PPP). THE COUNTY'S DIVISION OF ENGINEERING AND RESOURCE PROTECTION IS DESIGNATED BY CHAPTER 8 OF THE COUNTY CODE AS THE LOCAL VIRGINIA EROSION AND SEDIMENT CONTROL PROGRAM (VESHCP) AUTHORITY AND VIRGINIA STORMWATER MANAGEMENT PROGRAM (VSMFP) AUTHORITY.

- 1. ALL THE PROVISIONS OF VIRGINIA EROSION AND SEDIMENT CONTROL (EASC) LAW AND REGULATIONS, THE VIRGINIA STORMWATER MANAGEMENT ACT AND REGULATIONS (NS-PM), THE VIRGINIA BMP CLEARINGHOUSE WEBSITE, STATE EROSION AND SEDIMENT CONTROL AND STORMWATER MANAGEMENT HANDBOOKS, AND ANY ASSOCIATED TECHNICAL BULLETINS AND GUIDANCE DOCUMENTS AS PUBLISHED BY THE STATE WATER CONTROL BOARD, THE VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY (DEQ), AND THE LOCAL VESHCP AND VSMFP AUTHORITY SHALL APPLY TO THE PROJECT.
2. MINIMUM STANDARDS NO. 1 THROUGH NO. 11 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL REGULATIONS (VACE-840 ET SEQ.) SHALL APPLY TO THE PROJECT.
3. THE OWNER, APPLICANT, OPERATOR, OR PERMITTEE SHALL BE RESPONSIBLE TO REGISTER FOR CONSTRUCTION GENERAL PERMIT (CGP) COVERAGE, AS APPLICABLE, IN ACCORDANCE WITH THE GENERAL PERMIT FOR DISCHARGE OF STORMWATER FROM CONSTRUCTION ACTIVITIES (VARI) CHAPTER 800, THE VIRGINIA STORMWATER MANAGEMENT PROGRAM REGULATIONS CHAPTER 810, AND IN ACCORDANCE WITH CURRENT REQUIREMENTS OF THE VIRGINIA STORMWATER MANAGEMENT PROGRAM (VSMFP), THE STATE WATER CONTROL BOARD, THE VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY, CHAPTER 8 OF THE COUNTY CODE AND THE LOCAL VESHCP/VSMFP AUTHORITY.
4. THE OWNER, APPLICANT, OPERATOR OR PERMITTEE SHALL PROVIDE THE NAME OF AN INDIVIDUAL HOLDING A VALID RESIDENTIAL LAND DISTURBER (RLD) CERTIFICATE OF COMPETENCE WHO WILL BE RESPONSIBLE FOR THE LAND DISTURBING ACTIVITY PRIOR TO ENGAGING IN THE LAND DISTURBING ACTIVITY. THIS WILL BE NECESSARY PRIOR TO ISSUANCE OF A LOCAL LAND DISTURBER AND/OR STORMWATER CONSTRUCTION PERMIT FOR THE PROJECT. THE RLD IS REQUIRED TO ATTEND THE PRECONSTRUCTION CONFERENCE FOR THE PROJECT.
5. THE CONTRACTOR IS RESPONSIBLE TO CONTACT MISS UTILITY (CALL 811 IN VA OR 1-800-552-1000) PRIOR TO ANY UTILITY OR SITE WORK EXCAVATIONS.
6. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PLANNED, DESIGNED, IMPLEMENTED, INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE PROVISIONS OF THE LATEST EDITION OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (VESHCP). THE CONTRACTOR SHALL MAINTAIN, INSPECT, AND REPAIR ALL EROSION AND SEDIMENT CONTROL MEASURES AS NEEDED THROUGHOUT THE LIFE OF THE PROJECT TO ENSURE CONTINUED ACCEPTABLE PERFORMANCE.

- 1. A PRECONSTRUCTION CONFERENCE (MEETING) SHALL BE HELD ON SITE AND INCLUDE REPRESENTATIVES FROM THE LOCAL VESHCP/VSMFP AUTHORITY, THE OWNER/APPLICANT/OPERATOR/PERMITTEE, THE RESPONSIBLE LAND-DISTURBER (RLD), AND THE CONTRACTOR, ENGINEER, AND OTHER RESPONSIBLE AGENCIES, AS APPLICABLE, PRIOR TO AUTHORIZATION AND ISSUANCE OF A LOCAL LAND DISTURBER OR STORMWATER CONSTRUCTION PERMIT. THE OWNER, APPLICANT, OPERATOR OR PERMITTEE IS REQUIRED TO COORDINATE SCHEDULING OF THE PRECONSTRUCTION CONFERENCE BETWEEN ALL APPLICABLE PARTIES. THE CONTRACTOR SHALL SUBMIT A SEQUENCE OF CONSTRUCTION AND A REVISED POLLUTION PREVENTION PLAN (P2 PLAN OR PPP) IF APPLICABLE, TO THE LOCAL VESHCP/VSMFP AUTHORITY FOR REVIEW AND APPROVAL PRIOR TO THE PRECONSTRUCTION MEETING.
2. A POLLUTION PREVENTION PLAN (P2 PLAN OR PPP) IF REQUIRED, SHALL BE DEVELOPED, IMPLEMENTED AND UPDATED AS NECESSARY AND MUST DETAIL THE DESIGN, INSTALLATION, IMPLEMENTATION, AND MAINTENANCE OF EFFECTIVE POLLUTION PREVENTION MEASURES TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH MATERIALS; MINIMIZE THE EXPOSURE OF ALL MATERIALS ON THE SITE (SUCH AS BUILDING MATERIALS AND PRODUCTS, CONSTRUCTION WASTE, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE, ETC.) TO PRECIPITATION AND STORMWATER; MINIMIZE THE DISCHARGE OF POLLUTANTS FROM SPILLS AND LEAKS; IMPLEMENT CHEMICAL SPILL AND LEAK PREVENTION AND RESPONSE PROCEDURES; AND INCLUDE INTEGRATED BEST MANAGEMENT PRACTICES TO PROMOTE THE DISCHARGE OF WASTEWATER FROM CONCRETE WASHOUT AREAS, DISCHARGE OF WASTEWATER FROM WASHOUT AND CLEANOUT OF SLUDGE, PAINT, FURF, RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS; DISCHARGE OF FUELS, OILS, OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE ACTIVITIES; AND THE DISCHARGE OF SOAPS AND SOLVENTS USED FOR VEHICLE AND EQUIPMENT WASHING. THIS PLAN SHALL BE AVAILABLE ON-SITE FOR REVIEW AT REASONABLE TIMES BY THE LOCAL VESHCP/VSMFP AUTHORITY WHEN REQUESTED.
4. THE OWNER, APPLICANT, OPERATOR, OR PERMITTEE IS RESPONSIBLE FOR ALL OPERATOR SELF-INSPECTIONS AS REQUIRED IN THE POLLUTION PREVENTION PLAN (P2 PLAN OR PPP) OR AS REQUIRED AS PART OF A DEVELOPED STORMWATER POLLUTION PREVENTION PLAN (SWPPP). THESE INSPECTIONS SHALL BE MADE AVAILABLE, UPON REQUEST, BY THE LOCAL VESHCP/VSMFP AUTHORITY.
10. ALL PERIMETER EROSION AND SEDIMENT CONTROL (EASC) MEASURES SHALL BE CONSTRUCTED AS A FIRST STEP IN ANY LAND-DISTURBING ACTIVITY AND SHALL BE MADE FUNCTIONAL BEFORE SLOPES LAND DISTURBANCE ACTIVITY TAKES PLACE.
11. ADDITIONAL SAFETY FENCE OR DUST CONTROL MEASURES, IN ACCORDANCE WITH THE PROVISIONS OF MINIMUM STANDARDS # 3 SPECS. 3.01 AND 3.01 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (VESHCP), MAY BE REQUIRED TO BE IMPLEMENTED ON THE SITE IN ORDER TO THAT SHOWN ON THE APPROVED PLAN AND SPECIFICATIONS IN ORDER TO ENSURE ADEQUATE PROTECTION OF THE HEALTH, SAFETY AND WELFARE OF THE PUBLIC OR IF SITE CONDITIONS CHANGE, BECOME APPARENT OR ALTER SIGNIFICANTLY FOLLOWING THE DATE OF PLAN APPROVAL.

- 12. EROSION AND SEDIMENT CONTROL MEASURES MAY REQUIRE MINOR FIELD ADJUSTMENTS AT OR FOLLOWING THE TIME OF CONSTRUCTION TO ENSURE THEIR INTENDED PURPOSE IS ACCOMPLISHED, TO ENSURE ADEQUATE PROTECTION OF THE HEALTH, SAFETY, AND WELFARE OF THE PUBLIC, OR IF SITE CONDITIONS CHANGE, BECOME APPARENT OR ALTER SIGNIFICANTLY FOLLOWING THE DATE OF PLAN APPROVAL. LOCAL VESHCP/VSMFP AUTHORITY APPROVAL SHALL BE REQUIRED FOR ANY DEVIATION OF EROSION AND SEDIMENT CONTROL MEASURES FROM THE APPROVED PLAN.
13. OFF-SITE WASTE OR EROSION AREAS SHALL BE APPROVED BY THE LOCAL VESHCP/VSMFP AUTHORITY PRIOR TO THE IMPORT OF ANY BORROW OR EXPORT OF ANY WASTE TO OR FROM THE PROJECT SITE.
14. TEMPORARY SOIL STOCKPILES SHALL COMPLY WITH THE PROVISIONS OF SECTION 24-46 OF THE COUNTY CODE.
15. GULCHES AND STORM DRAIN INLET PROTECTORS, IN ACCORDANCE WITH THE PROVISIONS OF MINIMUM STANDARDS # 3 SPECS. 3.01 AND 3.02 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (VESHCP), MAY BE REMOVED AT THE DISCRETION OF THE ASSIGNED LOCAL VESHCP/VSMFP AUTHORITY COMPLIANCE INSPECTOR, SHOULD PLACEMENT OF THE MEASURE RESULT IN EXCESSIVE ROAD FLOODING, TRAFFIC OR SAFETY HAZARDS, OR RESULT IN THE REDIRECTION OF DRAINAGE INTO OR TOWARD EXISTING LOTS, HOMES, EXISTING GARAGES OR OTHER STRUCTURES. DECISIONS SHALL BE MADE BY THE VESHCP/VSMFP AUTHORITY ON A CASE-BY-CASE BASIS BASED ON FIELD SITUATIONS ENCOUNTERED.
16. DRAINAGE FACILITIES SHALL BE INSTALLED AND FUNCTIONAL WITHIN 30 DAYS FOLLOWING COMPLETION OF ROUGH GRADING AT ANY POINT WITHIN THE PROJECT.
17. NO MORE THAN 500 FEET OF TRENCH MAY BE OPEN AT ONE TIME FOR UNDERGROUND UTILITY LINES, INCLUDING STORM WATER CONVEYANCES. ALL OTHER PROVISIONS OF MINIMUM STANDARD NO. 16 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL REGULATIONS APPLY.
18. PERMANENT OR TEMPORARY STABILIZATION OF DISTURBED SOIL AREAS SHALL COMPLY WITH MINIMUM STANDARD # 1 AND # 3 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL REGULATIONS.
19. THE TERM SEEDING FINAL VEGETATIVE COVER OR STABILIZATION ON THE APPROVED PLAN SHALL MEAN THE SUCCESSFUL GERMINATION AND ESTABLISHMENT OF A STABLE GRASS COVER FROM A PROPERLY PREPARED SEEDBED, IN ACCORDANCE WITH MINIMUM STANDARD # 1 AND # 3 FROM THE VIRGINIA EROSION AND SEDIMENT CONTROL REGULATIONS, MINIMUM STANDARDS # 3 SPECS. 3.01 THROUGH 3.01 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (VESHCP), AND ANY TECHNICAL BULLETINS ISSUED BY THE STATE WATER CONTROL BOARD OR VIRGINIA DEQ, AS APPLICABLE. REVISIONS, IF NECESSARY, SHALL COMPLY WITH ALL APPLICABLE SEASONAL OUTDOOR WATER USE RESTRICTIONS OF THE JAMES CITY SERVICE AUTHORITY.
20. IF DISTURBED AREA STABILIZATION IS TO BE ACCOMPLISHED DURING THE MONTHS OF DECEMBER, JANUARY OR FEBRUARY, STABILIZATION SHALL CONSIST OF MULCHING IN ACCORDANCE WITH MINIMUM STANDARD # 3 SPECS. 3.03 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (VESHCP). SEEDING WILL THEN TAKE PLACE AS SOON AS THE SEASON PERMITS.
21. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL DISTURBED AREAS ARE STABILIZED. REMOVAL SHALL NOT OCCUR WITHOUT AUTHORIZATION BY THE LOCAL VESHCP/VSMFP AUTHORITY. DISTURBANCES ASSOCIATED WITH THE REMOVAL OF TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PROPERLY STABILIZED.
22. NO SEDIMENT TRAP OR SEDIMENT BASIN SHALL BE REMOVED UNTIL A) AT LEAST 75 PERCENT OF THE SINGLE-FAMILY LOTS WITHIN THE DRAINAGE AREA TO THE TRAP OR BASIN HAVE BEEN SOLD TO A THIRD PARTY FOR THE CONSTRUCTION OF HOMES (UNRELATED TO THE DEVELOPER); AND/OR B) 60 PERCENT OF THE SINGLE-FAMILY LOTS WITHIN THE DRAINAGE AREA TO THE TRAP OR BASIN ARE COMPLETED AND STABILIZED. A BULK SALE OF THE LOTS TO ANOTHER BUILDER DOES NOT SATISFY THIS PROVISION. SEDIMENT TRAPS AND SEDIMENT BASINS SHALL NOT BE REMOVED WITHOUT AUTHORIZATION OF THE LOCAL VESHCP/VSMFP AUTHORITY.
23. DESIGN AND CONSTRUCTION OF PRIVATE-TYPE STORM DRAINAGE SYSTEMS, OUTSIDE VDOT RIGHT-OF-WAY, SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT VERSION OF THE JAMES CITY COUNTY, ENGINEERING AND RESOURCE PROTECTION DIVISION, STORMWATER DRAINAGE CONVEYANCE SYSTEMS (NON-VDOT RELATED), GENERAL DESIGN AND CONSTRUCTION GUIDELINES (IE. COUNTY DRAINAGE STANDARDS).
24. RECORD DRAININGS (AS-BUILTS) AND CONSTRUCTION CERTIFICATIONS ARE REQUIRED FOR ALL STORMWATER FACILITIES INCLUDING STORMWATER MANAGEMENT/FACILITIES AND STORM DRAINAGE CONVEYANCE SYSTEMS. THE CERTIFICATION PROCESS SHALL INCLUDE AN INTERNAL CLOSED-CIRCUIT TELEVISION CAMERA (CCTV) POST-INSTALLATION INSPECTION PERFORMED BY THE OWNER IN ACCORDANCE WITH STANDARDS AND SPECIFICATIONS DEVELOPED BY THE VSMFP AUTHORITY. RECORD DRAININGS AND CONSTRUCTION CERTIFICATIONS MUST MEET ESTABLISHED PROGRAM REQUIREMENTS OF THE COUNTY'S CHAPTER 8 EROSION AND SEDIMENT CONTROL AND VSMFP ORDINANCE AND THE LOCAL VESHCP/VSMFP AUTHORITY.
25. ALL STORMWATER FACILITIES INCLUDING BMPs, STORM DRAINAGE PIPES, STORMWATER CONVEYANCES, INLETS, MANHOLES, OUTFALLS AND ROADSIDE AND OTHER OPEN CHANNELS SHALL BE INSPECTED BY THE LOCAL VESHCP/VSMFP AUTHORITY, THE OWNER, AND THE APPLICANT/OPERATOR/PERMITTEE. DESIGNATED GEOTECHNICAL ENGINEER FOR THE PROJECT IN ACCORDANCE WITH ESTABLISHED COUNTY STORMWATER FACILITY INSPECTION PROGRAM REQUIREMENTS.

City of Williamsburg & County of James City
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THIS IS REVISION APPROVED FOR C
EROSION & SEDIMENT CONTROL NARRATIVE
SITE PLAN OF IWO JIMA MEMORIAL PARK
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