

GENERAL EROSION & SEDIMENT CONTROL NOTES

UNLESS OTHERWISE INDICATED, ALL VEGETATION AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE LATEST EDITIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND VIRGINIA REGULATIONS 4VAC50-30 EROSION AND SEDIMENT CONTROL REGULATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE CODES AND

2. THE PLAN APPROVING AUTHORITY MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITY, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.

ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS A FIRST STEP IN CLEARING. PLEASE REFER TO THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK FOR SPECIFICATIONS RELATING TO EROSION AND SEDIMENT CONTROL MEASURES

5. ANY PROPOSED STORMWATER STRUCTURES THAT ARE MADE OPERATIONAL BEFORE COMPLETION OF CONSTRUCTION AND PERMANENT STABILIZATION OF DISTURBED AREAS SHALL BE PROVIDED WITH INLET PROTECTION BY THE CONTRACTOR PER VA E&S SPECIFICATION 3.07.

A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THE THESE PLANS (INCLUDING, BUT NOT LIMITED TO, OFF-SITE BORROW OR WASTE AREAS), THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN TO THE OWNER FOR REVIEW AND APPROVAL BY THE PLAN

APPROVING AUTHORITY. 8. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE PLAN APPROVING AUTHORITY.

9. ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES AND DURING SITE

DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED. DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO AN APPROVED FILTERING DEVICE.

THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY

GENERAL LAND CONSERVATION NOTES

NO DISTURBED AREA WILL REMAIN DENUDED FOR MORE THAN 7 CALENDAR DAYS UNLESS OTHERWISE AUTHORIZED BY THE DIRECTOR OR HIS AGENT. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN GRADING. FIRST AREAS TO BE CLEARED ARE TO BE

THOSE REQUIRED FOR THE PERIMENTER CONTROLS. 3. ALL STORM AND SANITARY SEWER LINES NOT IN STREETS ARE TO BE MULCHED AND SEEDED WITHIN 5 DAYS AFTER BACKFILL. NO MORE THAN 500 FEET ARE

TO BE OPEN AT ANY ONE TIME. ELECTRIC POWER, TELEPHONE, AND GAS SUPPLY TRENCHES ARE TO BE COMPACTED, SEEDED, AND MULCHED WITHIN 5 DAYS OF BACKFILL.

ALL TEMPORARY EARTH BERMS, DIVERSIONS, AND SEDIMENT CONTROL DAMS ARE TO BE MULCHED AND SEEDED FOR TEMPORARY VEGETATIVE COVER IMMEDIATELY AFTER GRADING. STRAW OR HAY MULCH IS REQUIRED. THE SAME APPLIES TO ALL SOIL STOCKPILES. 6. DURING CONSTRUCTION, ALL STORM SEWER INLETS WILL BE PROTECTED BY INLET PROTECITON DEVICES, MAINTAINED AND MODIFIED AS REQUIRED BY

CONSTRUCTION PROGRESS ANY DISTURBED AREA NOT COVERED BY NOTE #I ABOVE AND NOT PAVED, SODDED, OR BUILT UPON BY NOVEMBER IST, OR DISTURBED AFTER THAT DATE, SHALL

BE MULCHED WITH HAY OR STRAW AT THE RATE OF 2 TONS PER ACRE AND OVER-SEEDED NO LATER THAN MAY 15TH. 8. AT THE COMPLETION OF THE CONSTRUCITON PROJECT AND PRIOR TO BOND RELEASE, ALL TEMPORARY SEDIMENT CONTROLS SHALL BE REMOVED AND ALL

DENUDED AREAS SHALL BE STABILIZED WITH PERMANENT SEEDING. ARLINGTON COUNTY INSPECTOR TO APPROVE REMOVAL OF ALL TEMPORARY SILTATION MEASURES PERMANENT SEEDING: PREPARATION, SEEDING, FERTILIZING, AND MULCHING IS TO BE IN ACCORDANCE WITH THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION. REFER TO PLANTING PLAN FOR SEED MIX APPLICATIONS.

EROSION & SEDIMENT CONTROL NARRATIVE

FORT MYER HEIGHTS PARK, LOCATED AT 1400 N. FORT MYER DRIVE, WILL BE UNDERGOING PARK PLAYGROUND IMPROVEMENTS THAT ARE DESIGNED TO INTEGRATE INT THE EXISTING LANDSCAPE, IMPROVE INTERNAL PEDESTRIAN CIRCULATION AND ADA ACCESSIBILITY, REPLACE PLAYGROUND EQUIPMENT, PROVIDE GATHERING AREAS, AND ENHANCE PLANTINGS. THIS WILL BE ACCOMPLISHED BY REMOVING AND REPLACING EXISTING PAVEMENT, SITE FURNISHINGS, AND PLAYGROUND EQUIPMENT WITH NEW PERMEABLE PAVEMENT, SITE FURNISHINGS, PLAYGROUND EQUIPMENT, AND PLANTS. ACCESS TO THE PARK WILL BE PROVIDED FROM THE EXISTING SIDEWALK ON N. FORT MYER DRIVE VIA A RECONSTRUCTED ADA COMPLIANT ENTRANCE. CONSTRUCTION OF FORT MYER HEIGHTS PLAYGROUND WILL REQUIRE LAND DISTURBANCE OF 0.30-AC. FORT MYER HEIGHTS PARK'S POST-DEVELOPED CONDITION WILL CONTAIN 0.014-AC OF IMPERVIOUS AREA. THE PROJECT IS SCHEDULED TO BEGIN CONSTRUCTION IN SPRING 2012 AND TO COMPLETE CONSTRUCTION BY FALL 2012.

EXISTING TERRAIN CONSISTS PRIMARILY OF 2 TO 15 PERCENT SLOPES. THERE ARE AREAS OF DEEP TO VERY DEEP, NEARLY LEVEL TO MODERATELY SLOPING, WELL AND MODERATELY WELL DRAINED SOILS. THE UDORTHENTS CONSIST OF MATERIAL THAT HAS BEEN GRADED, CUT, FILLED, OR OTHERWISE DISTURBED DURING URBANIZATION. THE DISTURBED MATERIAL IS LOAMY AND GERNERALLY REFLECTS THE SOILS IN THE ADJACENT AREAS. THERE ARE TERRACED SLOPES WITHIN THE 14TH STREET R/W WITH CONCRETE PADS AND RETAINING WALLS, BORDERED BY STEEP WOODED SLOPES AT THE SOUTH

SOUTH WEST PERAMETERS OF THE SITE. THE AREA TO BE DISTURBED IS CURRENTLY COVERED BY A MIX OF VEGETATION AND PAVING. THE REMAINDER OF THE AR IS MODERATELY WOODED. EXISTING TREES TO BE PRESERVED WILL BE PROTECTED WITH TREE PROTECTION FENCING

EROSION AND SEDIMENT CONTROL MEASURES

SILT FENCE (VA SPEC 3.05) WILL BE USED ONTHE DOWNHILL SIDE OF AREAS TO BE DISTURBED TO PREVENT SEDIMENT FROM LEAVING THE SITE. THERE IS ONE (I EXISTING SURFACE INLET TO REMAIN POST DEVELOPMENT. THE INLET TO REMAIN IS A CATCH BASIN, LOCATED TO THE NORTH EAST OF THE SITE, ADJACENT TO EXISTING MAINTENANCE ACCESS APRON OFF OF N. FORT MYER ROAD. THIS INLET SHALL BE PROTECTED PER GENERAL EROSION & SEDIMENT CONTROL NOTE #6 TREE PROTECTION FENCE (PER AC TREE PRESERVATION STANDARDS) WILL BE USED TO PREVENT COMPACTION OF SOIL AROUND TREE ROOTS AND PROTECT AREAS

SILT FENCE AND TREE PROTECTION FENCE WILL BE INSTALLED PRIOR TO LAND DISTURBING ACTIVITIES AND WILL REMAIN IN PLACE UNTIL FINAL SITE STABILIZAT IS COMPLETED. SILT FENCE WILL BE CLEANED IF SEDIMENT REACHES HALF THE HEIGHT OF THE FENCE. A TEMPORARY CONSTRUCTION ENTRANCE / STAGING ARE WILL BE PLACED AT THE N. FORT MYER MAINTENANCE ACCESS TO THE SITE (AS SHOWN), AND WILL REMAIN IN PLACE THROUGHOUT CONSTRUCTION.

ALL UNPAVED AREAS DISTURBED AS PART OF THIS CONSTRUCTION SHALL BE SEEDED PER THE SPECIFICATIONS. NO TEMPORARY SEDIMENT CONTROL MEASURES WILL

BE REMOVED BEFORE THE PERMANENT STABILIZATION IS COMPLETED TO THE PROJECT OFFICER'S APPROVAL

NO OFF-SITE BORROW IS REQUIRED FOR CONSTRUCTION OF THE PLAYGROUND RENOVATION.

STORMWATER RUNOFF CONSIDERATIONS

THE PROPOSED IMPROVEMENTS AT FORT MYER HEIGHTS PARK WILL HAVE A MINIMAL IMPACT TO THE OVERALL AMOUNT OF IMPERVIOUS SURFACE AREA AT THE PARK SITE. THE EXISTING CONCRETE PAD OFF OF N. FORT MYER DRIVE AND BENCH WILL BE REMOVED. PROPOSED IMPERVIOUS SURFACES INCLUDE CONCRETE SEAT AND RETAINING WALLS, TOTALING 0.012-ACRES. WE CONCLUDE THAT THIS SMALL AMOUNT OF PROPOSED IMPERVIOUS SURFACE WILL MINIMALLY INCREASE THE STORMWATER RUNOFF BY LESS THAN I.O CFS THEREFORE, STORMWATER DETENTION WILL NOT BE REQUIRED. REFER TO THE STORMWATER MANAGEMENT PLAN CALCULATIONS. SURFACE WATER FROM THE PLAY AREAS WILL BE ALLOWED TO EXFILTRATE THROUGH THE SOIL. EXCESS RUNNOFF WILL BE DIRECTED TO A 6' DRAIN PIT AND POP-UP DRAIN EMITTER.

PLEASE REFER TO RUNOFF CALCULATIONS FOUND IN THE STORMWATER MANAGEMENT PLAN SHEETS FOR PRE AND POST-DEVELOPMENT CONDITIONS.

NO ENVIRONMENTALLY SENSITIVE AREAS ARE ADJACENT TO THE PROJECT SITE. ADJACENT PROPERTIES ARE RESIDENTIAL.

EXISTING SOILS ON SITE ARE URBAN LAND-UDORTHENTS COMPLEX WITH 2 TO 15 PERCENT SLOPES. THERE ARE AREAS OF DEEP TO VERY DEEP, NEARLY LEVEL TO MODERATELY SLOPING, WELL AND MODERATELY WELL DRAINED SOILS. THE UDORTHENTS CONSIST OF MATERIAL THAT HAS BEEN GRADED, CUT, FILLED, OR OTHERWISE DISTURBED DURING URBANIZATION. THE DISTURBED MATERIAL IS LOAMY AND GERNERALLY REFLECTS THE SOILS IN THE ADJACENT AREAS. SOURCE: SOIL SURVEY. ARLINGTON COUNTY. VIRGINIA. JULY 1999.

THERE ARE NO CRITICAL AREAS FOUND ON PROJECT SITE.

ALL TEMPORARY SEDIMENT CONTROL MEASURES WILL BE INSTALLED PRIOR TO CONSTRUCTION AND MAINTAINED BY THE CONTRACTOR UNTIL PERMANENT STABILIZATION IS COMPLETED TO THE PROJECT OFFICER'S APPROVAL. MAINTENANCE FOR EACH EROSION & SEDIMENT CONTROL MEASURE SHALL BE AS SPECIFIED IN THE LATEST EDITION, INCLUDING ANY AMENDMENTS OF THE "VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK"

ARLINGTON VIRGINIA

> **DEPARTMENT OF PARKS** RECREATION

> Park Development Division 2100 Clarendon Boulevard, Suite 414 Arlington, VA 22201 Phone: 703.228.3323 Fax: 703.228.3328

IFB #617-12

Project Name and Location

Ft Myer Heights Playground Reconstruction

1400 N. Fort Myer Drive Arlington, VA

Sheet Title

Erosion & **Control Plan**

	Approvals	Date
AND REA	Department Director	2/27/12
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Revisions

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Filename: E & SC.dwg Plotted: May 09, 2012					

Scale: AS_SHOWN Date: DATE

ARLINGTON COUNTY, VIRGINIA

DEPARTMENT OF ENVIRONMENTAL SERVICES FT MYER HEIGHTS PLAYGROUND RECONSTRUCTION

EROSION & SEDIMENT CONTROL PLAN ARLINGTON COUNTY PROJECT / BY-RIGHT

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