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CONTRACTOR NOTES

1. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE VIRGINIA EROSION & SEDIMENTATION HANDBOOK (SEE MS-16 REQUIREMENTS BELOW).

2. CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL AREAS NOT WITHIN THE LIMITS OF DISTURBANCE.

3. CONTRACTOR SHALL REPLACE AND/OR REPAIR ANY AREAS DAMAGED TO MATCH EXISTING OR BETTER CONDITION.

4. CONTRACTOR SHALL PREPARE A LANDSCAPE RESTORATION PLAN FOR ALL TREES, SHRUBS, AND LAWN REMOVED AND FOR PAVED AREAS DISTURBED AND/OR DAMAGED. LANDSCAPE RESTORATION PLAN SHALL BE REPLACE IN KIND FOR ALL PLANTS AND PAVEMENTS.

VA EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION

MS-16: UTILITY CONSTRUCTION

UNDERGROUND UTILITY LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING STANDARDS IN ADDITION TO OTHER APPLICABLE CRITERIA:

A) NO MORE THAN 500 LINEAR FEET OF TRENCH MAY BE OPENED AT ONE TIME

B) EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES

C) EFFLUENT FROM DEWATERING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH APPROVED SEDIMENT TRAPPING DEVICES (OR BOTH), BEFORE BEING DISCHARGED IN A MANNER THAT DOES NOT ADVERSELY AFFECT FLOWING STREAMS OR OFF-SITE PROPERTY

D) MATERIAL USED FOR BACKFILLING TRENCHES SHALL BE PROPERLY COMPACTED IN ORDER TO MINIMIZE EROSION AND PROMOTE STABILIZATION

E) RE-STABILIZATION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THIS CHAPTER 9VAC25-840 (VIRGINIA ADMINISTRATIVE CODE)

F) APPLICABLE SAFETY REQUIREMENTS SHALL BE COMPLIED WITH:

• THE BASIC PRINCIPLE OF CONTROLLING EROSION AND SEDIMENTATION ON UTILITY PROJECTS IS TO GET THE TRENCH BACK-FILLED AND STABILIZED AS SOON AS POSSIBLE

• SECTION (F) REFERS TO THE SAFETY REQUIREMENTS SET FORTH BY OSHA IN REGARDS TO TRENCH DEPTH AND THE REQUIREMENT FOR SHORING OR TRENCH BOXES WHEN WORKERS ARE IN THE TRENCH.

CONSTRUCTION AND MATERIAL NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THESE PLANS, THE PROJECT SPECIFICATIONS, AND FEDERAL, STATE AND LOCAL STANDARDS.

2. THE COMPLETED INSTALLATION SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES, ORDINANCES AND REGULATIONS. PERMITS, LICENSES AND INSPECTIONS REQUIRED BY THE GOVERNING AUTHORITIES FOR THE EXECUTION AND COMPLETION OF WORK SHALL BE SECURED BY THE CONTRACTOR PRIOR TO COMMENCING CONSTRUCTION, UNLESS DIRECTED OTHERWISE BY THE GOVERNMENT.

3. THE GOVERNMENT IS NOT RESPONSIBLE FOR THE SAFETY OF THE CONTRACTOR OR ITS CREW. ALL O.S.H.A. REGULATIONS SHALL BE STRICTLY ADHERED TO IN THE PERFORMANCE OF THE WORK.

4. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL WALKWAYS AND FOR KEEPING THEM CLEAN AND FREE OF CONSTRUCTION MATERIALS AND DEBRIS, AND PROVIDING DUST CONTROL AS REQUIRED.

5. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL BUILDING ENTRANCES, PATHWAYS, SERVICE ENTRANCES, WALKWAYS AND OTHER CIRCULATION FEATURES AT ALL TIMES UNLESS APPROVED BY THE GOVERNMENT IN WRITING. TRAFFIC CONTROL SHALL BE PROVIDED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL PROVIDE A PEDESTRIAN TRAFFIC CONTROL PLAN TO THE GOVERNMENT FOR REVIEW AND APPROVAL PRIOR TO START OF CONSTRUCTION ACTIVITIES.

6. CONTRACTOR SHALL MAINTAIN ALL UTILITIES ADJACENT TO OCCUPIED BUILDINGS OR PROPERTIES UNLESS WRITTEN AUTHORIZATION IS PROVIDED BY THE GOVERNMENT.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND SCHEDULING ALL WORK WITH THE GOVERNMENT.

8. THE LOCATION OF UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE FOR INFORMATION ONLY AND ARE NOT GUARANTEED TO BE COMPLETE OR ACCURATE. CONTRACTOR SHALL FIELD VERIFY ELEVATIONS, PIPE SIZES, AND MATERIAL TYPES PRIOR TO CONSTRUCTION AND SHALL BRING ANY DISCREPANCIES TO THE GOVERNMENT ON SITE A MINIMUM OF 7 DAYS PRIOR TO CONSTRUCTION.

9. THE CONTRACTOR SHALL MAINTAIN AT ALL TIMES A SET OF RECORD DRAWINGS AND SPECIFICATIONS DURING THE PROGRESSION OF THE PROJECT. RECORD DRAWINGS AND SPECIFICATIONS SHALL BE UPDATED ON A DAILY BASIS AND SHALL BE SUBMITTED TO THE GOVERNMENT ON SITE AT THE COMPLETION OF THE CONSTRUCTION. RECORD DRAWINGS SHALL INCLUDE THE LOCATION OF ALL UNDERGROUND AND ABOVE GROUND UTILITIES, ENCOUNTERED AND/OR RELOCATED. THE CONTRACTOR SHALL PROVIDE A HARD COPY AND ELECTRONIC COPY OF ALL AS-BUILT DRAWINGS. ELECTRONIC COPIES ARE REQUIRED IN CAD FORMAT.

10. CONTRACTOR SHALL PREPARE AN UNDER-AN-ACRE POLLUTION PREVENTION PLAN PER DENVER SERVICE CENTER STANDARDS PRIOR TO START OF CONSTRUCTION.

11. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH ALL UTILITY COMPANIES AS APPLICABLE.

12. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH OTHER CONTRACTORS AND CONSTRUCTION ACTIVITIES AT THE PARK FOR THE DURATION OF THE CONTRACT.

13. MATERIAL SHALL BE NEW. THE USE OF MANUFACTURER'S NAMES, MODELS, AND NUMBERS ARE INTENDED TO ESTABLISH STYLE, QUALITY, APPEARANCE, AND USEFULNESS. PROPOSED SUBSTITUTIONS SHALL REQUIRE WRITTEN APPROVAL FROM THE GOVERNMENT.

14. NO MANUFACTURER AND/OR INSTALLER IDENTIFYING INFORMATION SHALL APPEAR ON THE FINISHED INSTALLATION.

15. SAFETY PLAN SHALL BE REQUIRED, AND IT SHALL BE COORDINATED WITH PARK'S EMERGENCY EVACUATION PLAN.

16. SAFETY FENCES AND OTHER TEMPORARY STRUCTURES INSTALLED AT THE SITE MUST BE ABLE TO WITHSTAND ADVERSE WEATHER CONDITIONS.

17. PROPER SIGNAGE AND BARRIERS MUST BE MAINTAINED AT THE CONTRACTOR'S EXPENSE TO MAINTAIN EMERGENCY EGRESS AND KEEP PEDESTRIAN TRAFFIC CLEAR FROM CONSTRUCTION ACTIVITIES. SUBMIT SIGNAGE AND TRAFFIC MAINTENANCE PLAN FOR GOVERNMENT APPROVAL PRIOR TO STARTING WORK AT THE SITE. THE PLAN MUST ADDRESS ALL PHASES OF CONSTRUCTION. EMERGENCY EGRESS SHALL BE SUITABLE FOR PERSONS WITH DISABILITIES.

18. USE OF VEHICULAR AND CONSTRUCTION EQUIPMENT SHALL BE IN ACCORDANCE WITH PARK RULES. ACCESS TO PARK SHALL BE LIMITED TO MINIMIZE POTENTIAL FOR DAMAGE.

19. DO NOT OBSTRUCT EXISTING PARK ENTRANCES, ATTRACTIONS, RIGHTS OF WAY, ETC.

20. CONSTRUCTION DEBRIS MUST BE DISPOSED OF OFF SITE AT AN APPROVED FACILITY IN ACCORDANCE WITH THE CONSTRUCTION WASTE MANAGEMENT PLAN.

21. CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATIONS OF EXISTING UTILITIES AND SITE ELEMENTS AND FOR DETERMINING DEMOLITION REQUIREMENTS AND/OR RELOCATIONS PRIOR TO CONSTRUCTION.

22. CONTRACTOR IS RESPONSIBLE FOR DEMOLISHING/REMOVING AND REINSTALLING TEMPORARY FACILITIES (I.E. FENCING, BARRIERS, UTILITIES) AS DIRECTED BY THE GOVERNMENT ON SITE AND AS REQUIRED TO PERFORM THE WORK.

23. SITE AREAS THAT ARE DISTURBED AS A RESULT OF THE CONTRACTOR'S ACTIVITIES SHALL BE RETURNED TO THE EXISTING CONDITIONS. AREAS WILL BE CONSIDERED COMPLETELY RESTORED UPON GOVERNMENT APPROVAL.

24. CONTRACTOR SHALL TAKE MEASURES NECESSARY TO CONTROL NOISE IN ACCORDANCE WITH PARK RULES AND AS DIRECTED BY THE GOVERNMENT. CONTRACTOR IS RESPONSIBLE FOR COLLECTION, TRANSPORTATION AND DISPOSAL OF ALL CONSTRUCTION MATERIALS AND WASTE TO AND FROM THE SITE.

25. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED TO PERFORM THE WORK AND FOR ASSOCIATED FEES.

26. CONTRACTOR SHALL COORDINATE WORKING HOURS AND LOCATION OF GENERATOR USED FOR TEMPORARY ELECTRICAL POWER WITH THE GOVERNMENT TO MINIMIZE IMPACT ON BUILDING USERS.

ARCHEOLOGICAL AND HISTORICAL RESOURCE NOTES

1. THE PROJECT SITE IS HISTORICAL AND HISTORICAL REMAINS ARE PRESENT THROUGHOUT THE SITE. IT IS IMPERATIVE THE CONTRACTOR'S WORK REMAIN WITHIN THE LIMITS OF THE PROJECT AND NOT MIGRATE OUTSIDE THE SET BOUNDARY.

2. THE WORK REQUIRED BY THIS PROJECT MAY UNCOVER ARCHEOLOGICAL RESOURCES. THESE RESOURCES MUST BE PROTECTED.

3. THE GOVERNMENT MAY PROVIDE AN ARCHEOLOGICAL MONITOR WHO WILL OBSERVE ALL GROUND-DISTURBING SITE WORK FROM A SAFE LOCATION MUTUALLY AGREED ON BY CONTRACTOR AND MONITOR. THE GOVERNMENT MUST BE NOTIFIED OF ALL PLANNED EXCAVATIONS A MINIMUM OF 36 HOURS IN ADVANCE.

4. IF ARCHEOLOGICAL RESOURCES ARE ENCOUNTERED DURING WORK, CONTRACTOR SHALL STOP WORK AT THAT LOCATION IMMEDIATELY AND NOTIFY THE GOVERNMENT AND THE ARCHEOLOGICAL MONITOR.

5. CONTRACTOR SHOULD PLAN FOR RELOCATING WORK IN THE EVENT OF TEMPORARY WORK STOPPAGES AT ARCHEOLOGICALLY SENSITIVE AREAS WHEN DISCOVERED. WORK STOPPAGE-THE CONTRACTOR SHALL PLAN, SCHEDULE, AND EXECUTE THE WORK TO PREVENT STOPPAGES AT ONE AREA FROM STOPPING ALL WORK AT THE CONSTRUCTION SITE.

6. IF ARCHEOLOGICAL MONITOR DISCOVERS RESOURCES, IMMEDIATE RELOCATION OF THE WORK TO A NON-SENSITIVE AREA MAY BE REQUIRED TO ALLOW MONITOR TO IDENTIFY AND DOCUMENT RESOURCES AND, IF NECESSARY, DEVELOP AN APPROPRIATE MITIGATION PLAN. WHILE ARCHEOLOGICAL MONITOR IS DOCUMENTING RESOURCES IN SENSITIVE AREAS, CONTRACTOR SHALL RELOCATE WORK AS DIRECTED BY THE GOVERNMENT.

7. IF RESOURCES ARE DISCOVERED WHILE ARCHEOLOGICAL MONITOR IS ABSENT, STOP WORK IMMEDIATELY AND REPORT THE DISCOVERY TO THE GOVERNMENT.

8. HISTORIC RESOURCES TO BE PROTECTED PER SPECIFICATIONS. HISTORIC LANDSCAPE FEATURES TO BE PROTECTED INCLUDE THE LAWNS, TREES, ROADWAYS AND WALLS.

ABBREVIATIONS

AC ASPHALT CONCRETE

APPROX. APPROXIMATE

BC BACK OF CURB

BLDG BUILDING

BOT. BOTTOM

CL CENTERLINE

CLR. CLEAR

CONC. CONCRETE

COORD. COORDINATE

CO CLEAN OUT

DET. DETAIL

DIA., D, Ø DIAMETER

DIM. DIMENSION

DIP DUCTILE IRON PIPE

DSC DENVER SERVICE CENTER

DWG DRAWING

E EASTING

EA. EACH

ELEV. ELEVATION

ESC EROSION AND SEDIMENT CONTROL

EXIST./EX. EXISTING

F DIESEL FUEL

FDC FIRE DEPARTMENT CONNECTION

FH FIRE HYDRANT

FP FIRE PROTECTION

FT. FEET

HB HORIZONTAL BEND

HORIZ. HORIZONTAL

IN. INCH

G GUTTER/BASELINE

GB GRADE BREAK

GV GATE VALVE

HC HANDICAP

HDPE HIGH DENSITY POLYETHYLENE

I.D. INSIDE DIAMETER

INV. INVERT

L LENGTH/LITER

LF LINEAR FEET

L/S LITERS PER SECOND

LT. LEFT

m METERS

MAX. MAXIMUM

MH MANHOLE

MIN. MINIMUM

mm MILLIMETERS

N NORTHING

NIC NOT IN CONTRACT

NOI NOTICE OF INTENT

NPS NATIONAL PARK SERVICE

NTS NOT TO SCALE

O.C. ON CENTER

O.D. OUTSIDE DIAMETER

OFF. OFFSET

OH OVERHEAD

PC POINT OF CURVATURE

PERF. PERFORATED

POC POINT OF CONNECTION

PCC POINT OF COMPOUND CURVATURE

PR PROPOSED

PRC POINT OF REVERSE CURVATURE

PT POINT OF TANGENCY

PVC POLYVINYL CHLORIDE

R RADIUS

SD STORM DRAIN

SDR STANDARD DIMENSION RATIO

SPEC SPECIFICATION

SS SANITARY SEWER

STAT STATION

PERF. STANDARD

S/W SIDEWALK

TB THRUST BLOCK

TC TOP OF CURB

TD TRENCH DRAIN

TEMP. TEMPORARY

TYP. TYPICAL

TW TOP OF WALL

UG UNDERGROUND

U.N.O.A. UNLESS NOTED OTHERWISE

W WATER

W/ WITH

DESIGNED: DH

©ADD SB

TECH. REVIEW:

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SUB SHEET NO.

C0

TITLE OF SHEET

CIVIL GENERAL NOTES, LEGEND, ABBREVIATIONS AND SHEET INDEX

VISITOR CENTER REHABILITATION

BOOKER T. WASHINGTON NATIONAL MONUMENT

DRAWING NO. 404 80032

PMIS/PKG NO. 211607

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