



STATE OF NEW YORK  
OFFICE OF GENERAL SERVICES  
DESIGN AND CONSTRUCTION GROUP  
THE GOVERNOR NELSON A. ROCKEFELLER  
EMPIRE STATE PLAZA  
ALBANY, NY 12242



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**ADDENDUM NO. 1 TO PROJECT NO. 44724**

**ELECTRICAL WORK  
REPLACE POWERHOUSE EMERGENCY GENERATOR  
WOODBOURNE CORRECTIONAL FACILITY  
99 PRISON ROAD  
WOODBOURNE, NY**

January 22, 2015

**NOTE:** This Addendum forms a part of the Contract Documents. Insert it in the Project Manual. Acknowledge receipt of this Addendum in the space provided on the Bid Form.

**SPECIFICATIONS**

1. DOCUMENT 000105-CERTIFICATION PAGE: DISCARD THE SECTION BOUND IN THE PROJECT MANUAL AND REPLACE WITH ACCOMPANYING PAGE.
2. DOCUMENT 000110-TABLE OF CONTENTS: DIVISION 01 GENERAL REQUIREMENTS: DELETE SECTION 019113-GENERAL COMMISSIONING REQUIREMENTS
3. DOCUMENT 019113-GENERAL COMMISSIONING REQUIREMENTS-DELETE SECTION BOUND IN THE PROJECT MANUAL
4. DOCUMENT 262413-SWITCHBOARD- PAGE 3, ARTICLE 1.04. ADD PARAGRAPH B. "PROVIDE PERSONAL PROTECTION EQUIPMENT (PPE) FOR HAZARD RISK CATEGORIES. FOR CATEGORIES 1 AND 2-ARC-RATED SHIRT AND PANTS, FOR CATEGORY 3-ARC-RATED SHIRT PANTS, AND COVERALL, FOR CATEGORY 4-ARC-RATED SHIRT, PANTS, COVERALL, AND MULTI LAYER FLASH SUIT".
5. DOCUMENT 263214-DIESEL-ALTERNATOR STANDBY SYSTEM;
  - a. PAGE 5, ARTICLE 2.01.C, CHANGE "VIBRATION TYPE VIBRATION ISOLATORS" TO "SEISMIC RATED TYPE VIBRATION ISOLATORS"
  - b. PAGE 9, ARTICLE 3.01B-ADD PARAGRAPH "3. CLEAN EXISTING FUEL USING FUEL POLISHING EQUIPMENT BEFORE ADDING FUEL OR OPERATING GENERATOR".
6. DOCUMENT 312316-ROCK REMOVAL: DISCARD ROCK REMOVAL SECTION BOUND IN THE PROJECT MANUAL AND REPLACE WITH ACCOMPANYING SECTION.

**END OF ADDENDUM**

Margaret F. Larkin  
Executive Director  
Design and Construction

**PROJECT NO. 44724-E**

**ELECTRICAL WORK**

**REPLACE POWERHOUSE GENERATOR**

**WOODBOURNE CORRECTIONAL FACILITY**

**99 PRISON ROAD  
WOODBOURNE, NY**

**NOVEMBER 5, 2014**

**CLIENT: DEPARTMENT OF CORRECTIONS AND  
COMMUNITY SUPERVISION**

**PROJECT TEAM LEADER: MICHAEL CALLAGHAN, PE**

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NOTE:....THE OFFICE OF GENERAL SERVICES REQUIRES GOOD FAITH EFFORTS ON THE PART OF ITS CONTRACTORS TO SOLICIT AND OBTAIN THE PARTICIPATION OF MINORITIES AND WOMEN AS SUBCONTRACTORS, AND EMPLOYEES IN ITS PROGRAMS.

## SECTION 312316

### ROCK REMOVAL

#### PART 1 GENERAL

##### 1.01 RELATED WORK SPECIFIED ELSEWHERE

- A. Earthwork: Section 310000.

##### 1.02 REFERENCES

- A. Comply with the applicable requirements of the Code of Federal Regulations Title 29 - Labor, Part 1926 Safety and Health Regulations for Construction (OSHA).

##### 1.03 DEFINITIONS

- A. Rock: Limestone, sandstone, shale, granite, and similar material in solid beds or masses in its original or stratified position which can be removed only by blasting operations, drilling, wedging, or use of pneumatic tools, and boulders with a volume greater than 1.0 cu yd. Concrete building foundations and concrete slabs, not indicated, with a volume greater than 1.0 cu yd shall be classified as rock.
  - 1. Limestone, sandstone, shale, granite, and similar material in a broken or weathered condition which can be removed with an excavator or backhoe equipped with a bucket with ripping teeth or any other style bucket shall be classified as earth excavation.
  - 2. Masonry building foundations, whether indicated or not, shall be classified as earth excavation.
- B. Unauthorized Rock Removal:
  - 1. The removal of any rock prior to performing the measurements/work required to determine quantities.
  - 2. The removal of material below required elevation indicated on the Drawings or beyond lateral dimensions indicated or specified without specific written direction by the Director.
- C. General Rock Removal: Quantities of rock removal will be paid for as General Rock Removal when:
  - 1. The width of rock removed, as per measurement limits, is greater than or equal to the total excavation depth required.
  - 2. Boulders removed have a volume greater than 1.0 cu yd.
- D. Trench and Pier Rock Removal: Quantities of rock removal will be paid for as Trench and Pier Rock Removal when the width of rock removed, as per measurement limits, is less than the total excavation depth required.

#### **1.04 SUBMITTALS**

- A. Rock Removal Procedure: Submit a detailed outline of intended rock removal procedure for the Director's information. This submittal will not relieve the Contractor of responsibility for the successful performance of method used.

#### **1.05 QUALITY ASSURANCE**

- A. Pre-Rock Removal Conference: Before the rock removal work is scheduled to commence, a conference will be called by the Director's Representative at the site for the purpose of reviewing the Contract Documents and discussing requirements for the Work. The conference shall be attended by the Contractor's Representative and the person supervising the rock removal operations.

#### **1.06 PROJECT CONDITIONS**

- A. Blasting and the use of explosive materials will not be permitted.

### **PART 2 PRODUCTS**

#### **2.01 MATERIALS**

- A. Backfill Materials and Other Related Earthwork: As specified in Section 310000.

### **PART 3 EXECUTION**

#### **3.01 EXAMINATION, VERIFICATION & MEASUREMENT**

- A. Prior to removing material classified as rock, excavate test pits down to rock for the purpose of verifying the presence of sound rock and determining top of rock elevations.
  - 1. Verification of Sound Rock: Demonstrate to the Director's Representative that materials to be classified as rock cannot be removed utilizing a backhoe or excavator equipped with any form of bucket, including a bucket equipped with ripping teeth.
  - 2. Required Measurements: Take elevations and measurements as required for the purpose of determining the quantities of rock removal. Record all measurement data and submit a copy of the data to the Director's Representative. Backfill test pits prior to rock removal as directed. Unless otherwise indicated or directed, excavate test pits as follows:
    - a. One pit for each 100 lineal ft of conduit.
    - b. One pit for each ground plate.

#### **3.02 SITE PREPARATION**

- A. Schedule a site meeting with the Director's Representative and facility personnel to review the rock removal procedures in detail.

- B. If required, have seismographs in place and operational as well as all safety equipment and/or fencing.

**3.03 ROCK REMOVAL**

- A. Remove rock as required by the Drawings and as necessary for the installation of the Work. Make sufficient clearance, within the limits specified, for the proper execution of the Work.
- B. Volume Determination: Top of Rock Elevations established prior to the performance of any rock removal will be used to determine the depth of rock removed. Measurements for the base and width of the rock excavation shall be taken of the actual rock cut, as required for the Work, or to the specified measurement limits, whichever is smaller. Volume of rock removal is estimated at 12 cubic yards. Unless otherwise directed in writing, measurement limits for this work shall be as follows:
  - 1. Conduit:
    - a. Vertical Limit: Bottom of rock cut for conduit in trench shall be as required for the indicated depth of the conduit.
    - b. Horizontal Limit: Limit measurement between vertical side surfaces at bottom of rock cut to the following:

Actual Depth of Rock Cut	Trench Width
Under 3 Feet	24 Inches, except where wider width is required by the multiple horizontal conduits.

- 2. Ground Plates:
  - a. Vertical Limit: Bottom of rock cut for ground plate shall be as required for the indicated depth of the ground plate.
  - b. Horizontal Limit: a minimum of 6 inches beyond plate on all sides.

**3.04 FIELD QUALITY CONTROL**

- A. Provide the Director’s Representative with the recorded top of rock elevations. Prior to the performance of any rock removal operations obtain, in writing, that the Director’s Representative as reviewed the information and is in agreement with the measurements taken.
- B. Allow time for visual inspection of bottom of rock cut required for the Work.

**3.05 DISPOSAL OF EXCESS AND UNSUITABLE MATERIALS.**

- A. Remove from State property and dispose of excess and unsuitable rock materials.

**3.06 ADJUSTING**

- A. Unauthorized Rock Removal:
  - 1. Horizontal Direction: Backfill and compact unauthorized rock removal in the horizontal direction as specified for authorized excavation of the same classification, unless otherwise directed.

2. Vertical Direction: Immediately report unauthorized rock removal in the vertical direction to the Director's Representative. Correct unauthorized rock removal in the vertical direction in accordance with directions of the Director.

**END OF SECTION**