

## **PART 1 - GENERAL**

### **1.1 RELATED SECTIONS**

- .1 Section 01 33 00 - Submittal Procedures.
- .2 Section 01 35 29 - Health and Safety Requirements.
- .3 Section 01 56 00 - Temporary Barriers and Enclosures.
- .4 Section 01 74 21 - Construction/Demolition Waste Management and Disposal.
- .5 Section 31 23 10 - Excavating, Trenching and Backfilling.

### **1.2 DEFINITION**

- .1 Rock: any solid material in excess of 1.0 m<sup>3</sup> and which cannot be removed by means of heavy duty mechanical excavating equipment with 0.95 to 1.15 m<sup>3</sup> bucket. Frozen material not classified as rock.
- .2 PPV: peak particle velocity.

### **1.3 SUBMITTALS**

- .1 Busting Operation
  - .1 Submit to Departmental Representative and local authorities having jurisdiction for approval, written proposal of operations for removal of rock by busting, in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Blasting operations are not permitted for this project.

### **1.4 WASTE MANAGEMENT AND DISPOSAL**

- .1 Separate and recycle waste materials in accordance with Section 01 74 21 - Construction/Demolition Waste Management And Disposal.
  - .2 Collect and separate plastic, paper packaging, and corrugated cardboard in accordance with Waste Management Plan.
  - .3 Place materials defined as hazardous or toxic in designated containers.
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- .4 Ensure emptied containers are sealed and stored safely.

## **PART 2 - PRODUCTS**

### **2.1 MATERIALS**

- .1 Not used.

## **PART 3 - EXECUTION**

### **3.1 PROTECTION**

- .1 Prevent damage to surroundings and injury to persons in accordance with Section 01 56 00 - Temporary Barriers and Enclosures.

### **3.2 ROCK REMOVAL**

- .1 Co-ordinate this Section with Section 01 35 29 - Health and Safety Requirements.
- .2 Remove rock to alignments, profiles, and cross sections as indicated.
- .3 Use rock removal procedures to produce uniform and stable excavation surfaces. Minimize overbreak, and to avoid damage to adjacent structures.
- .4 Cut trenches to widths as indicated.
- .5 Remove boulders and fragments which may slide or roll into excavated areas.

### **3.3 ROCK DISPOSAL**

- .1 Dispose of removed rock off site as indicated or as directed by the Departmental Representative.