

SECTION 040514 - LANDSCAPE MASONRY GROUTING

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Grout for masonry.
- B. Related Sections:
 - 1. Division 01: Administrative, procedural, and temporary work requirements.
 - 2. Section 044200 - Landscape Stone Assemblies.

1.2 REFERENCES

- A. ASTM International (ASTM):
 - 1. C150/C150M - Standard Specification for Portland Cement.
 - 2. C207 - Standard Specification for Hydrated Lime for Masonry Purposes.
 - 3. C404 - Standard Specification for Aggregates for Masonry Grout.
 - 4. C476 - Standard Specification for Mortar and Grout for Reinforced Masonry.
- B. The Masonry Society (TMS) 402/602 - Building Code Requirements and Specifications for Masonry Structures.

1.3 SUBMITTALS

- A. Quality Control Submittals:
 - 1. Test reports: Indicating grout compliance with ASTM C476.

1.4 QUALITY ASSURANCE

- A. Perform Work in accordance with TMS 402/602.

1.5 DELIVERY, STORAGE AND HANDLING

- A. Deliver cement and lime in manufacturer's original, unopened packages or containers.
- B. Protect materials from moisture absorption and damage; reject damaged containers.
- C. Store aggregate to prevent inclusion of foreign matter.

PART 2 PRODUCTS

2.1 MATERIALS

- A. Portland Cement: ASTM C150/C150M, Type I.
- B. Aggregate: ASTM C404.
- C. Lime: ASTM C207, Type S.
- D. Water: Clean and free from oils, acids, alkalis, organic matter, and other substances in amounts deleterious to mortar or metals in masonry.

2.2 MIXES

- A. Grout Mix:
 - 1. ASTM C476, coarse grout.
 - 2. Compressive strength: Minimum 2500 psi at 28 days.

3. Slump: 7 to 8 inches.

2.3 MIXING

- A. Mix grout in accordance with ASTM C476.
- B. Thoroughly mix ingredients in quantities needed for immediate use.
- C. Mix dry ingredients mechanically until uniformly distributed; add water to achieve workable consistency.
- D. Discard lumpy, caked, frozen, and hardened mixes.
- E. Use grout within 2-1/2 hours after initial mixing at ambient temperatures below 80 degrees F and within 1-1/2 hours after initial mixing at ambient temperatures over 80 degrees F.
- F. Do not add accelerators, retarders, water repellents, antifreeze compounds, or other additives without Landscape Architect's approval.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Follow requirements specified in referenced sections.

END OF SECTION