

**SECTION 02570
PROCESSED GRAVEL FOR TRAIL AREAS**

PART 1 GENERAL

1.1 REQUIREMENTS, CODES

- A. All applicable portions of Division 1 - General Requirements shall be considered as included with this section.
- B. The following are minimum requirements and shall govern except that all Federal, Local and/or State Codes and Ordinances shall govern when their requirements are in excess hereof.

1.2 SECTION INCLUDES

- A. Furnishing, placement and compaction of Processed Gravel in roadway and parking areas.

1.3 RELATED SECTIONS

- A. Section 02200 –General Earthwork
- B. Construction Drawings

1.4 REFERENCE STANDARDS

- A. The following standard forms part of these specifications:
 - 1. State of Connecticut Department of Transportation (DOT) Standard Specification for Roads Bridges and Incidental Construction (Form 816).

1.5 ENVIRONMENTAL REQUIREMENTS

- A. Determine environmental effects associated with proposed work and safeguard those concerns as regulated by law and local governing agencies by reasonable and practical methods.

1.6 SCOPE

- A. The processed gravel shall be furnished and placed to the depth as indicated in the standard detail for Processed Gravel Roads and Parking Lots on the contract documents.

PART 2 PRODUCTS

2.1 MATERIALS

- A. Processed Gravel for Roadway and Parking Areas (Processed Aggregate Base) shall consist of hard, durable processed gravel, free from ice snow, sand, clay, loam or other

**EXTENSION OF TRAILS AT IRENE SHELDON
MEMORIAL PARK**

deleterious material, should be uniformly blended, conforming to the requirements of the Connecticut Department of Transportation Form 816, Section M.05.01 and the following gradation:

<u>Sieve Size</u>	<u>Percent Passing by Weight</u>
2-1/4-inch	100
2-inch	90 - 100
3/4-inch	50 - 75
1/4-inch	25 - 45
No. 40	5 - 20
No. 100	2 - 12

At least 70 percent of the materials retained on the 1-inch sieve should have a fractured face.

PART 3 EXECUTION

3.1 PLACEMENT AND COMPACTION

- A. Verify site conditions and note subsurface conditions affecting work of this section.
- B. Identify required lines, levels, and elevations that will determine extent of proposed removals.
- C. The Contractor shall remove loam and topsoil, loose vegetation, stumps, large roots, etc. from areas upon which Processed Gravel is to be placed. The subgrade shall be shaped as indicated on the Drawings and shall be prepared by forking, furrowing, or plowing so that the first layer of Processed Gravel fill material placed on the subgrade will be well bonded to the subgrade.
- D. Prior to filling with Processed Gravel, the Contractor shall compact the exposed natural subgrade with minimum 10-ton vibratory roller. After approval of subgrade by the Engineer, the Contractor shall backfill with Processed Gravel to the required contours and elevations shown on the Contract Drawings.
- E. The processed gravel shall be spread in layers upon the prepared sub-grade from self-spreading vehicles or with power graders of approved types or by hand methods.
- F. Processed Gravel shall be spread in layers not more than 8 inches thick, compacted measure. The degree of compaction shall be based on maximum dry density of 95% as determined by ASTM Test D1557, Method C.
- G. If the existing site material removed from excavation meets the specification stipulated in Item 2.1 above, the Contractor has the option of using this material for the specified purpose.
- H. The Owner's Representative reserves the right to test Processed Gravel backfill for conformance to the specifications and Contract shall assist as required to obtain the information. Compaction testing will be performed by an inspection laboratory designated and retained by the Owner's Representative. If test results indicate work does not conform to specification requirements, the Contractor shall remove or correct the defective Work by re-compacting where appropriate or replacing as necessary and

September 25, 2016

approved by the Owner's Representative, to bring the work into compliance, at no additional cost to the Owner.

END OF SECTION 02570

**EXTENSION OF TRAILS AT IRENE SHELDON
MEMORIAL PARK**

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02570-3