

Section 01550**STABILIZED CONSTRUCTION EXITS****1.0 GENERAL****1.01 SECTION INCLUDES**

- A Installation of erosion and sediment control for Stabilized Construction Exits used during construction and until final development of the Project site.
- B References to Technical Specifications:
 - 1. Section 01350 – Submittals
 - 2. Section 01562 – Waste Material Disposal
 - 3. Section 01565 – TPDES Requirements
 - 4. Section 01566 – Source Controls for Erosion & Sedimentation
- C Referenced Standards:
 - 1. American Society of Testing and Materials (ASTM)
 - a. ASTM D 4632, “Standard Test Method for Grab Breaking Load and Elongation of Geotextiles”

1.02 MEASUREMENT AND PAYMENT

- A Unless indicated as a Bid Item, no separate payment will be made for Work performed under this Section. Include cost in Bid Items for which this Work is a component.

1.03 SUBMITTALS

- A Make Submittals required in this Section under the provisions of Section 01350 – Submittals.
- B Manufacturer’s catalog sheets and other product data on Geotextile fabric.
- C Sieve analysis of aggregates conforming to requirements in this Section, 2.02 “Course Aggregates”.

2.0 PRODUCTS**2.01 GEOTEXTILE FABRIC**

- A Provide woven or non-woven geotextile fabric made of either polypropylene, polyethylene, ethylene, or polyamide material.
- B By ASTM D 4632, geotextile fabric shall have a minimum grab strength of 270 psi any principal direction, and the equivalent opening size between 50 and 140.
- C Both the geotextile and threads shall be resistant to chemical attack, mildew, and rot and shall contain ultraviolet ray inhibitors and stabilizers to provide a minimum of 6 months of expected usable life at a temperature range of 0°F to 120°F.

- D Representative Manufacturers: Mirafi, Inc., Or-Equal.

2.02 COARSE AGGREGATES

- A Coarse aggregate shall consist of crushed stone, gravel, concrete, crushed blast furnace slag, or a combination of these materials. Aggregate shall be composed of clean, hard, durable materials free from adherent coatings, salt, alkali, dirt, clay, loam, shale, soft or flaky materials, or organic and injurious matter.
- B Course aggregates shall be open graded with a size 3" to 6".

3.0 EXECUTION

3.01 PREPARATION AND INSTALLATION

- A The Contractor shall provide stabilized construction exits at the construction, staging, parking, storage, and disposal areas to keep the street clean of mud carried by construction vehicle and equipment. Such erosion and sediment controls shall be constructed in accordance with the requirements shown on the Plans and specified in this Section.
- B Erosion and sediment control measures shall be in place prior to the start of any Work that exposes the soil, other than as specifically directed by the Engineer to allow soil testing and surveying.
- C Maintain existing erosion and sediment control systems located within the Project Site until acceptance of the Work or until directed by the Engineer to remove and discard the existing system. Maintenance shall be performed routinely to remove soil build up or, as required by the Engineer.
- D Regularly inspect and repair or replace components of stabilized construction exits. Unless otherwise directed, maintain them until the Work is accepted by the Owner. Remove stabilized construction exits promptly when directed by the Engineer. Discard removed materials in accordance with Section 01562 – Waste Material Disposal.
- E Equipment and vehicles shall be prohibited by the Contractor from maneuvering on areas outside of dedicated rights-of-way and easements for construction. Damage caused by construction traffic to erosion and sediment control systems, including vegetative systems shall be repaired immediately.
- F Conduct all construction operations under this Contract in conformance with the erosion control practices described in the Section 01566 - Source Controls for Erosion & Sedimentation and Section 01565 TPDES Requirements.

3.02 CONSTRUCTION METHODS

- A Provide stabilized access roads, subdivision roads, parking areas, and other on-site vehicle transportation routes where shown on Plans.

- B Provide stabilized construction exits, and truck washing areas when approved by Engineer, of the sizes and locations where shown on Plans or as specified in this Section.
- C Vehicles leaving construction areas shall have their tires cleaned to remove sediment prior to entrance onto public right-of-way. When washing is needed to remove sediment, Contractor shall construct a truck washing area. Truck washing shall be done on stabilized areas which drain into a drainage system protected by erosion and sediment control measures.
- D Details for Stabilized Construction Exits are shown on the Plans. Construction of all other stabilized areas shall be to the same requirements. Roadway width shall be at least 14 feet for one-way traffic and 20 feet for two-way traffic and shall be sufficient for all ingress and egress. Furnish and place geotextile fabric as a permeable separator to prevent mixing of coarse aggregate with underlying soil. Exposure of geotextile fabric to the elements between laydown and cover shall be a maximum of 14 days to minimize damage potential.
- E Roads and parking areas shall be graded to provide sufficient drainage away from stabilized areas. Use sandbags, gravel, boards, or similar methods to prevent sediment from entering public right-of-way, receiving stream or storm water conveyance system.
- F The stabilized areas shall be inspected and maintained daily. Provide periodic top dressing with additional coarse aggregates to maintain the required depth. Repair and clean out damaged control measures used to trap sediment. All sediment spilled, dropped, washed, or tracked onto public right-of-way shall be removed immediately.
- G The length of the stabilized area shall be as shown on the Plans, but not less than 50 feet. The thickness shall not be less than 8 inches. The width shall not be less than full width of all points of ingress or egress.
- H Stabilization for other areas shall have the same coarse aggregate, thickness, and width requirements as the stabilized construction exit, except where shown otherwise on the Plans.
- I Stabilized area may be widened or lengthened to accommodate truck washing area when authorized by Engineer.
- J Alternative methods of construction may be utilized when shown on Plans, or when approved by the Engineer.

END OF SECTION