

## **TECHNICAL SPECIFICATIONS**

### **TS-1 Description:**

The work shall include the cutting, mowing, removal, and satisfactory and legal off-site disposal of all trees, brush and other vegetation, the removal of which is depicted on the plans and necessary for the construction of future parking and traffic circulation improvements to be conducted under separate contract. Included in this work shall be the preservation from injury or defacement of vegetation and objects to remain. Grubbing and stump removal will not be included in this work.

This work shall also include sweeping of Perimeter Road from Brewer Street to the stadium roadways on a bi-weekly basis and shall include installation and maintenance of sediment and erosion controls, construction entrance pads, and access controls as depicted on the plans or directed by the Engineer.

### **TS -2 Construction Materials and Methods:**

All work shall be subject to observation, inspection and approval by the State or its designated agent including an engineer, inspector, environmental scientist, etc. which shall be referred to herein as 'the Engineer'.

Unless otherwise stated on the plans and in these specifications, all work shall be conducted in accordance with the State of Connecticut Department of Transportation Standard Specifications for Roads, Bridges and Incidental Construction, Form 816, 2004 and supplements thereto dated. More specifically, the following sections of Form 816 shall apply to this contract:

- 2.18 Sedimentation Control Bales
- 2.19 Sedimentation Control System
- 9.39 Sweeping for Dust Control
- 9.75 Mobilization
- 9.79 Construction Barricades
- 12.08 Sign Face – Sheet Aluminum
- M.18 Signing

The above shall not be construed to represent a complete list of the pertinent and applicable sections of Form 816. Where lump sum bid prices apply, Method of Measurement and Basis of Payment sections do not apply.

All work shall be conducted in accordance with the General Conditions for Facilities and Services as set forth by United Technologies Corporation/Pratt & Whitney East Hartford (UTC/PW), as outlined in the Invitation to Bid. The Contractor shall abide by all pertinent rules and protocol set forth therein.

Trees and vegetation shall be removed to the limits shown on the plans or as directed by the Engineer. The contractor shall mark the boundaries of all trees, shrubs and plants to be removed in accordance with the plans and these specifications. The Engineer shall have 7 days to field review the markings and make any adjustments prior to the start of the clearing operation.

Sediment and erosion controls shall be installed to the satisfaction of the Engineer prior to commencing work in each area.

No clearing activities shall occur within the Army Corps of Engineers (A.C.O.E.) conservation easement area or outside the project area. All work shall be conducted in strict conformance with the plans and all applicable environmental permits. Care shall be taken to avoid disturbance to existing facilities and utilities within the project area and all areas adjacent to or outside the specified clearing limits. Existing facilities, utilities and paved, gravel, turf, and/or other surface(s) shall be repaired to the satisfaction of the Engineer solely at the contractor's expense.

Trees are to be cut to a minimum of eight inches above existing grade or to a height specified by the engineer for future stump grinding and grubbing activities. No stumping shall be allowed and the contractor shall take care to limit the amount of earth disturbance. All dead or uprooted trees and brush shall be removed and disposed of. The contractor shall be allowed to utilize chipping and mulching equipment for the purpose of breaking down tree and vegetative matter; however, such equipment shall not be located within 50 feet of any wetland boundaries.

Operation times of clearing equipment shall be consistent with all applicable local ordinances. The contractor shall dispose of all tree and vegetative material offsite, to be included in the cost of the work.

Primary INGRESS ONLY access for trucks and clearing equipment and material shall be from the southerly Brewer Street location as depicted on the plans. Access from this location shall be permitted seven days a week, however access on Monday through Friday shall be restricted to the period including 8:30 a.m. to 3:00 p.m. The contractor shall install all construction entrance pads, signage and access controls as specified on the plans prior to initiating the work.

The contractor is to provide security/locks at the Brewer Street entrance gate. A double lock system is to be provided. One lock is to be provided by the contractor and one lock will be provided by Pratt & Whitney.

The contractor's employee access to the site shall be from the Silver Lane location driveway opposite Simmons Road as depicted on the plans. Employee parking shall be within Lot 4, a paved lot located at the Stadium Gate B. The contractor shall use the southerly point of entry for all trucks and equipment. Trucks will be permitted to utilize the northerly point of entry prior to 8:30 a.m. and after 3:00 p.m., however it is the intent of the State to minimize the use of stadium roadways for heavy trucks and construction equipment. The contractor shall use the Silver Lane driveway opposite Simmons Road for ALL egress. Perimeter Road and all stadium roadways shall be maintained free of dust and debris from the contractors operations. The State reserves the right to relocate points of entry and employee parking within the State's property at any time at no cost to the State.

The contract duration shall be limited to 60 calendar days.

### **TS-3 Method of Measurement and Basis of Payment:**

Work performed under the Base Bid will not be measured for payment but shall be paid at the lump sum prices bid for

1. Mobilization, Sediment and Erosion Controls, Access Controls

2. Clearing
3. Sweeping for Dust Control

which prices shall include all equipment, tools and labor incidental to the work shown on the plans, described in the specifications and as directed by the Engineer. Where deemed appropriate by the Engineer, partial payments may be made based on an estimated percentage complete determined by the Engineer.

When additional Sedimentation Control Systems are installed at the direction of the Engineer, the work shall be measured for payment as directed in Form 816, Section 2.19.04. This work will be paid for at the Unit Price bid for Sedimentation Control System as described in Form 816, Section 2.19.05.

When additional Sweeping for Dust Control is performed at the direction of the Engineer, the work shall be measured for payment as directed in Form 816, Section 9.39.04. This work will be paid for at the Unit Price bid for Sweeping for Dust Control as described in Form 816, Section 9.39.05.