

ITEM 615.0310--25 – CLEANING TO CONTROL THE MOVEMENT OF INVASIVE PLANT SPECIES

1. DESCRIPTION:

- 1.01 The contractor shall take all reasonable precautions to comply with current federal, state, and local guidelines and requirements to prevent the spread of any invasive plant species. Specifically, the Contractor shall actively work to prevent the spread of *Phragmites australis* (common reed), *Lythrum salicaria* (purple loosestrife), *Polygonum cuspidatum* (Japanese knotweed) and any other noxious or invasive plants identified into wetland areas. Such actions shall include but are not limited to the cleaning of all equipment and clothing suspected of containing the roots, seeds, or other viable parts of the invasive plant species.
- 1.02 Equipment used for removal, movement, and transportation of excavated soil or topsoil, stone, organic matter, trees, shrubs, or other similar materials containing invasive plant species shall be thoroughly cleaned prior to entering wetland locations within the project limits that are essentially free of invasive plant species, as identified on the plans. Proper cleaning and material hauling practices will help prevent the movement and propagation of invasive species into wetland locations essentially free of invasive plants.
- 1.03 Failure to abide by these contract and applicable U.S. Army Corps of Engineers and/or N.Y.S. Department of Environmental Conservation permit conditions will result in the stopping of all related contract work until remedied to the satisfaction of the Project Engineer.

2. MATERIALS:

- 2.01 There are no material tests or other specified material requirements of this item.

3. CONSTRUCTION DETAILS:

- 3.01 The Contractor shall control the movement of invasive plant species materials, including plant parts, seeds, propagules, roots, and invasive species infested soil, in accordance with the following:
 - A. **General Cleaning Practices.** Cleaning may take place as water spray washing, removal by brush or shovel, or other methods deemed acceptable by the Project Engineer. Wash water used shall not return directly to a waterbody. Cleaning shall be accomplished prior to equipment arriving at the wetland locations within the project limits that are essentially free of invasive plant species.
 - B. **Equipment.** Equipment is defined as any vehicle, tool or means used to excavate, move or place fill material or vegetation, and includes but is not limited to dozers, backhoes, excavators, dump trucks, shovels, rakes, etc. Upon completion of excavation or earth moving activities at each wetland location which is essentially free of invasive plant species, the construction equipment used shall be moved at least 165 feet from any waterbody, stream, ditch or wetland, and thoroughly washed and cleaned with clean water (without using cleaning soaps or chemicals), or by hand, shovel, brush, or similar means approved by the engineer, prior to commencing earthwork at the next site. All wash water shall be prevented from entering directly into any stream, ditch, or wetland, preferably utilizing a vegetated buffer between the cleaning area and any potential receiving waterbodies.

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3. CONSTRUCTION DETAILS: (cont'd)

3.01 (cont'd)

- C. Personnel.** Personnel working with invasive plants and invasive plant infested soil shall take precautions not to transport invasive species material off-site on clothing or footwear. If work clothes or boots are exposed to invasive plant parts, seeds, or soil, they shall be brushed or knocked clean of the invasive infested material before leaving the worksite. This action should take place at least 165 feet from any receiving body of water, stream, ditch, or wetland.
- D. Hauling and Disposal.** Hauling of invasive plant infested material or soil to other project wetland locations or off-site shall be done under a tarp, or protected by another approved manner that prevents wind spreading plant life to new areas. The infested material shall not be disposed of at any on-site or off-site state or federal wetland or protected state wetland adjacent area. Disposal shall be done in accordance with the requirements of Unclassified Excavation and Disposal Item.

4. METHOD OF MEASUREMENT:

4.01 This work shall be measured on a lump sum basis.

5. BASIS OF PAYMENT:

5.01 The lump sum price shall include the cost of all labor, material and equipment necessary for the cleaning of equipment and clothing to prevent the spread of invasive plant species.