



SECTION 01 56 39

TEMPORARY TREE AND PLANT PROTECTION

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. CONTRACTOR shall protect and avoid damaging existing trees, landscape, wetlands, and adjacent vegetation.

1.02 SUBMITTALS

- A. CONTRACTOR shall submit a plan for onsite haul of materials prior to construction.
 - 1. The plan should include points of access to and from the site and show a workable system of onsite haul routes that protect existing landscaped and wetland areas.
 - 2. The plan shall be submitted to ENGINEER for review and comment prior to the commencement of WORK. ENGINEER will discuss the plan with OWNER and CONTRACTOR to ensure protection of existing vegetation, but shall not dictate haul routes or construction methods to CONTRACTOR.
- B. CONTRACTOR shall submit product data and plan showing proposed location of any protective barriers proposed to limit unintentional access for trees or other existing vegetation designated for protection.

PART 2 PRODUCTS (NOT APPLICABLE)

PART 3 EXECUTION

3.01 GENERAL

- A. CONTRACTOR shall erect protective fencing if, in the opinion of the ENGINEER, there is risk of damage caused by construction operations.
- B. Vehicular and pedestrian traffic shall be limited to areas marked. Through traffic and stock piling of equipment and materials are not permitted within marked areas.
- C. No construction roads are to be created within the drip lines of any trees or other vegetation designated to be saved without approval of ENGINEER.

3.02 PROTECTED AREAS

- A. Protected areas will be designated on the PLANS and identified in the field, one time, by ENGINEER. CONTRACTOR shall adequately mark areas.
 - 1. No access of construction vehicles or workers on foot is permitted through protected areas.
 - 2. No material shall be stockpiled and no equipment shall be parked or repaired within these areas.



3.03 TREES AND PLANTINGS

- A. Trees and vegetation to be saved that do not fall within the limits of protected areas will be designated one time in the field by ENGINEER.
- B. Trees designated to be preserved, but are within the limits of construction, shall be protected from damage associated with construction.
 - 1. A sturdy, physical barrier (florescent orange in color) shall be fixed in place around each tree for the duration of construction.
 - a. Barrier shall be placed no closer than six (6) feet from the trunk, or one-half of the drip line, whichever is greater.
 - b. Barrier shall be fixed so it cannot be moved easily; but the material can be flexible, such as orange snow fence attached to T-posts driven into the ground, and shall act as an effective deterrent to deliberate or accidental damage of each tree.
 - c. The movement or storage of equipment, material, debris, or fill within these required protective barriers is completely prohibited.

3.04 DAMAGE TO EXISTING VEGETATION

- A. Any trees damaged during construction shall be immediately repaired by a tree surgeon acceptable to the ENGINEER at the CONTRACTOR's expense.
- B. Any tree judged by the accepted tree surgeon to be damaged beyond repair shall be removed at CONTRACTOR's expense.
- C. For each tree erroneously removed or damaged beyond repair, an assessment will be immediately withheld from CONTRACTOR's progress payments.
 - 1. This assessment will be equal to the value of the tree prior to damage.
 - 2. This assessment will be determined by a tree appraiser, selected by OWNER and paid for by CONTRACTOR.
 - 3. The cost for hiring a tree appraiser shall also be withheld from CONTRACTOR's progress payments.
- D. CONTRACTOR shall replace each damaged tree with nursery-grown material of similar size and of the same or approved species.
 - 1. Replacement trees shall be the greater of a two (2)-inch caliper or size equivalent to the size of the damaged tree, balled and burlapped, and planted in accordance with the provisions outlined in these SPECIFICATIONS.
- E. CONTRACTOR shall pay an assessment if ENGINEER determines that CONTRACTOR has disturbed any grasses, shrubs and/or cattails located within the protected areas.



1. This assessment will not exceed two dollars (\$2) per square foot of disturbance, and will be immediately withheld from CONTRACTOR's progress payments.
- F. Damaged vegetation shall be replaced by CONTRACTOR with an equal value per square foot of damage.
1. Replacements shall be planted in accordance with the provisions outlined in Section 32 92 19, Seeding, and Section 32 93 00, Landscape Planting, of these SPECIFICATIONS.
 2. Damaged cattail areas shall be replaced and then seeded with a wetland seed mix in accordance with Section 32 92 19, Seeding, and Section 32 93 00, Landscape Planting, of these SPECIFICATIONS or directed by ENGINEER.

END OF SECTION



THIS PAGE INTENTIONALLY LEFT BLANK