

## SECTION 0212

### EXISTING VEGETATION AND NATIVE PLANTS

#### 0212.0100 GENERAL

**0212.0101 Description of Work.** The work under this Section shall consist of protecting and transplanting native plants as required in the project-specific Native Plant Mitigation Plan. Relocation of native plants and irrigation shall be in accordance with the plans and the requirements of these specifications.

#### 0212.0200 PRODUCTS

**0212.0201 Materials.** The Contractor shall ensure that all relocated or transplanted native plants are in a sound, healthy condition, free from insect infestations, bark abrasions, weak branches, or other objectionable disfigurements, and shall immediately replace any unacceptable plants. All native plants are to be warranted for a maintenance period of 1 year from final acceptance of the project. During the maintenance period, all native plants are to be guaranteed to remain in a healthy, vigorous state of growth. At any time up to and including the end of the maintenance period, native plants found unacceptable to the Engineer will be replaced, and the replacement native plants will be guaranteed for an additional 1 year.

To ensure the survivability of all native plants installed—whether transplanted or newly purchased vegetation—the Contractor shall provide the services of a licensed landscape contractor for monthly landscape and irrigation maintenance during the maintenance period.

A detailed revegetation and mitigation plan shall be submitted to the Engineer for review at least 15 days prior to the start of revegetation work.

#### 0212.0300 EXECUTION

**0212.0301 General.** The Contractor shall provide the services of a licensed landscape contractor for Native Plant Preservation revegetation and mitigation work within the right-of-way or easements, and comply with the requirements in the project's Native Plant Preservation Plan.

Revegetation work shall include transplanting existing native vegetation, and furnishing and planting native plants as required. In addition, this work shall include the tagging of native vegetation and the installation, maintenance, and removal of construction fencing to protect native plants to be preserved in place.

Prior to bidding this project, the Contractor shall obtain a copy of the Native Plant Law—Arizona Revised Statutes, Title 3, Chapter 7—and familiarize himself/herself with said requirements for preservation of native plants affected by this project. The Contractor shall also comply with provisions of the Native Plant Protection Ordinance for the City of Tucson.

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The Contractor shall obtain and comply with the proper permits from the Arizona State Department of Agriculture and Horticulture prior to the removal or relocation of any protected plants as defined in the Arizona Native Plant Law referenced above.

The Contractor shall provide a Notice of Intent to Clear Land 30-day notice in advance of construction to the Arizona State Department of Agriculture and Horticulture to enable the native plant investigator to survey and identify the plants involved and determine their status and salvageability. The Arizona Department of Agriculture and Horticulture is to identify all native plants prior to relocation by the Contractor or removal by the Contractor's Arizona Licensed Salvager.

Prior to the commencement of clearing and excavation work, the Contractor shall submit photographs and native plant inventory along the pipeline route.

Adjustments in the pipeline alignment to avoid a Native Plant shall require the Engineer's approval, and no additional compensation will be made for such alignment changes.

Protected native plants are not to be transported off the job site or offered for sale by the Contractor. All designated protected native plants removed shall be replanted by the Contractor—or replaced in kind if not transplantable—at selected sites within the public right-of-way and/or easements as required by the Native Plant Inventory and Salvage Report and Native Plant Preservation Plan or approved by the Engineer.

**0212.0302 Plant Protection During Construction.** Tagging required of all Protected Native Plants designated by the approved Native Plant Preservation Plan.

**0212.0303 Fencing Requirements.** All Protected Native Plants designated by the approved Native Plant Preservation Plan to be preserved in place, and all areas designated to remain undisturbed or as natural open space (easement limits) shall be fenced off per Development Standard No. 2-06.2.2.F (3/8-inch high visibility rope, 66-inch T-post 50 feet on center). Fencing shall remain in place for duration of construction activities.

All costs associated with fencing shall be included in the unit price bid per linear foot for the new transmission main.

### **0212.0400 MEASUREMENT AND PAYMENT**

**0212.0401 General.** Measure and payment shall be made per each landscape unit bid and lump sum bid items that are shown on the drawings or as directed by the Engineer, including any related work. Payment shall include all furnishing, materials, and labor to transplant, revegetate, and mitigate complete in place and other work not otherwise paid for in other bid items, including but not limited to:

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- Clearing and grubbing
- Surface preparation
- Excavating
- Trenching
- Fertilizer
- Sand stakes
- Irrigation piping and controllers
- Fittings and drip emitters
- Valves
- Solar power units
- Backfill
- Cleanup
- All work not specifically shown covered in other items