

SECTION 02931

POLE PLANTINGS/WILLOW CUTTINGS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Collecting and installing pole plantings and/or willow cuttings.

1.2 REFERENCES

- A. International Society of Arboriculture: Current Standards for Pruning

1.3 SCHEDULING

- A. Install poles and cuttings in the fall after October 15, and before the ground becomes frozen or in the spring after the ground thaws and before April 15.

PART 2 PRODUCTS

2.1 POLES AND CUTTINGS

- A. Collect poles and cuttings from live native stands of the species listed from October 15, to February 15.
- B. Obtain poles and cuttings from live trees and shrubs that will be destroyed due to highway construction, from areas adjacent to the project or from locations that are ecologically matched in climate and elevation.
- C. Before collecting poles and cuttings outside the right-of-way, obtain necessary permits from appropriate regulatory agency or permission from land owner.
- D. When collecting poles and cuttings from trees or shrubs that will remain, prune branches using current standards from the International Society of Arboriculture.
- E. When obtaining poles and cuttings from vegetation that will remain within the right-of-way, remove no more than 1/3 of the branches from any tree or shrub.

- F. Size of poles and cuttings, as determined by the Engineer:
 - 1. Pole: Cut branches at a 45 degree angle, 6 ft long and 1 inch to 3 inches in diameter from one to three-year-old growth.
 - 2. Willow Cutting: Cut stems at a 45 degree angle, 3 ft long and 3/8 to 3/4 inch in diameter from one to two-year-old growth.

PART 3 EXECUTION

3.1 STORING

- A. If dormant poles and cuttings are acquired but not planted in the fall, store until the ground thaws.
- B. Store in plastic bags at temperatures between 32 degrees F to 41 degrees F, or outside in snow-filled plastic bags.
- C. Do not allow the poles or cuttings to dry out or break bud while being stored.

3.2 INSTALLING

- A. Stake poles and cuttings at plan locations for approval or as directed.
- B. Dig a hole deep enough to accommodate 90 percent of the length of the cutting.
- C. Just before planting, remove 1 inch from the basal end of the pole or cutting.
- D. Place the pole or cutting in the hole (basal end first).
- E. Backfill and compact around the pole or cutting to eliminate air pockets.
- F. Water the pole or cutting and add more backfill if settling occurs.

END OF SECTION