

SECTION 329300 - EXTERIOR PLANTS

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Submittals: Planting schedule.
- B. Comply with ANSI Z60.1, "American Standard for Nursery Stock," for trees, shrubs, ground covers, and plants.
- C. Warranties: Maintain and warrant plantings for 12 months, replacing dead or diseased plantings for this period, at no cost to the Owner.

PART 2 - PRODUCTS

2.1 PLANTING MATERIALS

- A. Balled and Burlapped Trees and Shrubs: Well-shaped, fully branched, healthy, vigorous nursery-grown stock.
- B. Ground Covers and Plants: Established and well rooted in removable containers or integral peat pots.

2.2 SOIL AND AMENDMENTS

- A. Topsoil: Stockpiled Silty Clay, free of stones 1 inch or larger.
- B. Organic Compost (Soil Pep): Finely ground, partially decomposed wood chips.
- C. Peat Humus: Finely divided or granular texture, with a pH range of 6 to 7.5, consisting of partially decomposed moss peat (other than sphagnum), peat humus, or reed-sedge peat.
- D. Commercial Fertilizer: Commercial-grade complete fertilizer, consisting of nitrogen and phosphorous.
- E. Weed-Control Barrier: Polypropylene or polyester nonwoven fabric.

2.3 PLANTING SOIL MIX

- A. Mix topsoil with the following soil amendments and fertilizers in the following quantities:
 - 1. Ratio of Loose Organic Compost to Topsoil by Volume: 2 ½ cubic yards per 1,000 sq. ft.
 - 2. Weight of Nitrogen Commercial Fertilizer per 1000 Sq. Ft.: 2-4 pounds.

3. Weight of Phosphorus Commercial Fertilizer per 1,000 Sq.Ft.: 3 pounds.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Planting Soil: Mix soil amendments and fertilizers with clean topsoil at the rates indicated.
- B. Ground Cover and Plant Bed Preparation: Loosen subgrade to a depth of 6 inches. Remove stones sticks, roots, and rubbish. Spread planting soil mixture in two layers to a total thickness of 6 – 8 inches. Work first layer into top of loosened subgrade.
- C. Trees and Shrubs: Excavate pits with vertical sides and with bottom of excavation slightly raised at center to assist drainage. Excavate approximately one and one-half times as wide as ball diameter and deep enough to allow placing of root ball on a setting layer of planting soil. Loosen hard subsoil in bottom of excavation.
 1. Set trees and shrubs plumb and in center of pit with top of ball raised above adjacent finish grades.
 2. Place a setting layer of compacted planting soil.
 3. Remove burlap and wire baskets from tops of balls and partially from sides, but do not remove from under balls. Do not use planting stock if ball is cracked or broken before or during planting operation.
 4. Place backfill around ball in layers, tamping to settle backfill and eliminate voids and air pockets.
 5. Dish and tamp top of backfill to form a 3-inch-high mound around the rim of the pit. Do not cover top of root ball with backfill.
 6. Prune, thin, and shape trees and shrubs after planting.
- D. Plant ground cover and plants in holes 24 inches apart, dug large enough to allow root spread. Plant stock working soil around roots and leave a slight saucer around plants to hold water. Water after planting. Do not cover plant crowns with wet soil.
- E. Mulching: Before mulching, install weed-control barriers,. Apply stone ground cover mulch, 2 inches thick and finish with slight crown relative to adjacent finish grades.
- F. Disposal: Remove surplus soil and waste material, including excess subsoil, unsuitable soil, trash, and debris, and legally dispose of it off Owner's property.

END OF SECTION 329300