

# SECTION 32 90 00

## PLANTING

### PART 1 - GENERAL

#### 1.1 SUMMARY

- A. Section Includes:
  - a. Plant material for greywater treatment system
  - b. Planting media
  - c. Installation requirements
  - d. Maintenance guidelines

#### 1.2 RELATED SECTIONS

- A. Section 32 84 00 - Planting Irrigation
- B. Section 32 84 25 - Greywater Treatment and Irrigation System

#### 1.3 QUALITY ASSURANCE

- A. Plant Material:
  - a. Supplied by manufacturer-approved nurseries
  - b. Species selected for greywater treatment
  - c. Quality standards for plant health

#### 1.4 SUBMITTALS

- A. Product Data:
  - a. Plant species list
  - b. Planting media specifications
  - c. Planting plan
  - d. Maintenance requirements
  - e. Plant handling and storage requirements

#### 1.5 DELIVERY, STORAGE, AND HANDLING

- A. Plant Material:
  - a. Protect during transport
  - b. Store in shade
  - c. Maintain moisture level with daily watering
- B. Growing Media:
  - a. Protect from contamination
  - b. Prevent degradation

## 1.6 PROJECT CONDITIONS

- A. Environmental Requirements:
  - a. Install within manufacturer's temperature ranges of 32-90°F
  - b. Do not install in frozen ground
  - c. Do not install during heavy rain

## PART 2 - PRODUCTS

### 2.1 PLANT MATERIALS

- A. Treatment System Plants:
  - a. Species selected for water treatment capability
  - b. Size and quality requirements
- B. Quality Requirements:
  - a. Healthy, vigorous growth
  - b. Free from disease
  - c. Well-developed root system
- C. Growing Media:
  - a. Engineered pumice and carbon mix
    - i. 30% carbon/70% pumice
  - b. Particle size distribution

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Verify Conditions:
  - a. Planting areas prepared
  - b. Growing media properly placed

### 3.2 INSTALLATION

- A. Planting Requirements:
  - a. Spacing specifications detailed in planting plan
  - b. Depth requirements detailed in planting plan
  - c. Initial care instructions detailed in planting plan
- B. Initial Watering:
  - a. Water thoroughly after planting
  - b. Maintain moisture levels during establishment period

### 3.3 FIELD QUALITY CONTROL

- A. Inspection
  - a. Verify plant locations
  - b. Confirm proper planting depth

- c. Check initial stability
- B. Documentation to be sent to manufacturer:
  - a. Photo documentation
  - b. Installation report

### 3.4 ESTABLISHMENT PERIOD

- A. Duration:
  - a. 21 days from installation date
- B. Requirements:
  - a. Maintain proper moisture levels
  - b. Monitor plant health
  - c. Replace failed plantings
- C. Acceptance Criteria:
  - a. 95% survival rate
  - b. No signs of stress or disease

END OF SECTION