

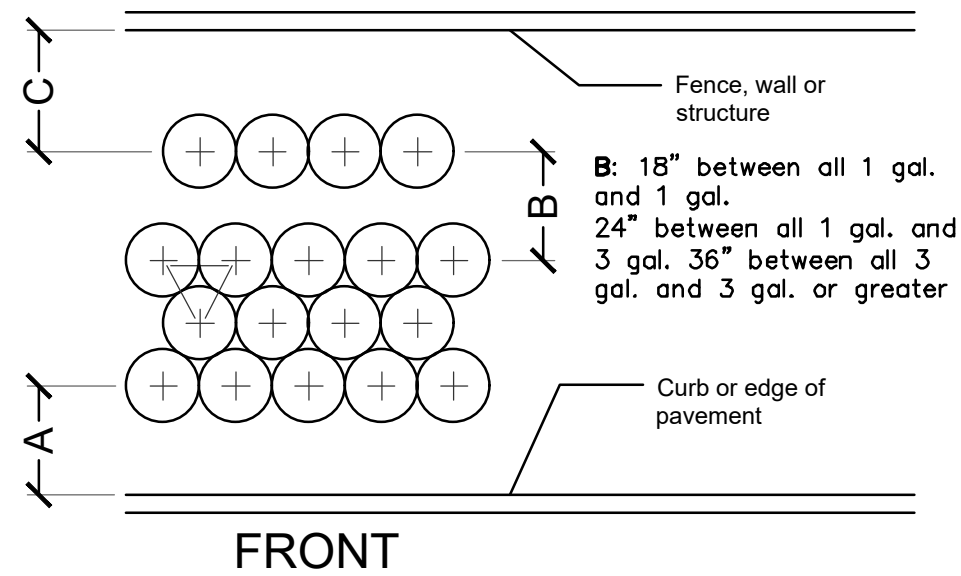
Shrub & Ground Cover Planting Detail

NTS

C: 18" for all 1 gal.
30" for all 3 gal. or greater
vines not included

NOTE: All shrub and groundcover masses to use triangular spacing except as a singular hedge row or where noted. Refer to the plant list for individual plant spacing.

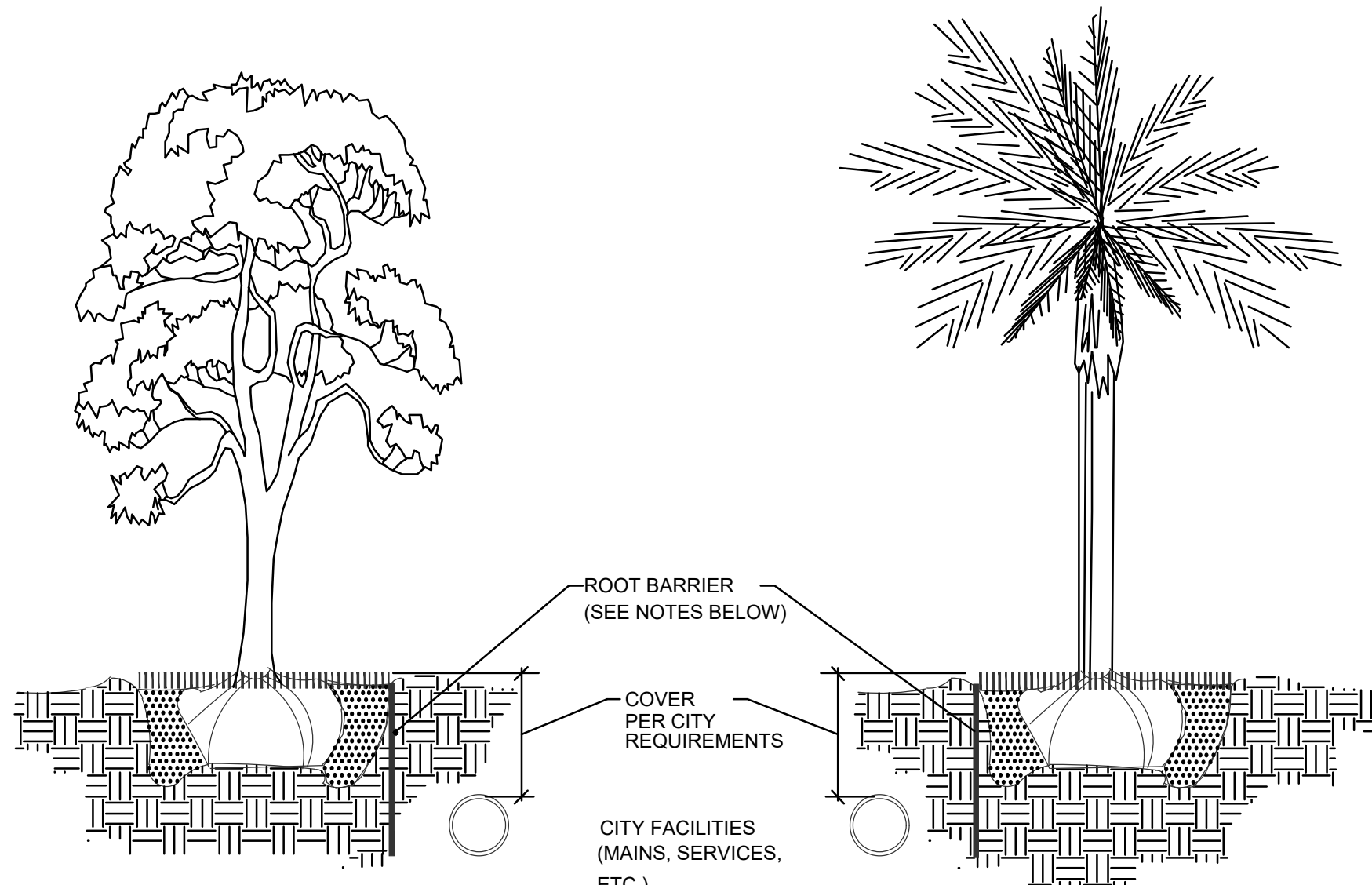
A: 14" for all 1 gal.
24" for all 3 gal. or greater



Typical Plant Spacing

NTS

NOTE: PROVIDE ROOT BARRIERS AS REQUIRED ON ALL TREES IN CONFLICT WITH MINIMUM CLEARANCE WITH UTILITIES. MINIMUM CLEARANCE OF 9' FT FOR PALMS AND SMALL TREES AND 10' FT FOR LARGE TREES WITH INTRUSIVE ROOT SYSTEMS PER CITY OF FORT LAUDERDALE REQUIREMENTS. SEE TYPICAL DETAIL BELOW.

**NOTES:**

1. THE INSTALLATION OF ROOT BARRIERS SHALL BE COORDINATED WITH CITY AND INSPECTED BY CITY PRIOR TO BACKFILLING. ALL ROOT BARRIERS SHALL EXTEND UP TO FINISHED GRADE.
2. ROOT BARRIERS SHALL HAVE MINIMUM DEEP PER CITY REQUIREMENTS. APPROVED PRODUCTS INCLUDE "DEEP ROOT" AND "ROOT SOLUTIONS". FLEXIBLE BARRIERS SHALL BE 36" PANELS MANUFACTURED BY BIOBARRIER.
3. ALL ROOT BARRIERS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS WRITTEN INSTRUCTIONS.

Typical Root Barrier Detail

NTS

CU-STRUCTURAL SOIL® SPECIFICATIONS**PART 2 - MATERIALS****2.1 CLAY LOAM**

- A. Soil shall be a "loam" with a minimum clay content of 20% or a "clay loam" based on the "USDA classification system" as determined by mechanical analysis (ASTM D-422) and it shall be of uniform composition, without admixture of subsoil. It shall be free of stones, lumps, plants and their roots, debris and other extraneous matter. It shall not contain toxic substances harmful to plant growth. Clay loam shall contain not less than 2% or more than 5% organic matter as determined by the loss on ignition of oven-dried samples. Test samples shall be oven-dried to a constant weight at a temperature of 230 degrees F., plus or minus 9 degrees.
- B. Mechanical analysis for the loam or clay loam shall be as follows:

Textural Class	% of Total Weight
Gravel	less than 5%
Sand	20-45%
Silt	20-50%
Clay	20-40%
- C. Chemical analysis: Meet, or be amended to meet the following criteria:
 1. pH between 5.5 to 6.5
 2. Percent organic matter 2% - 5% by dry weight

3. Adequate nutrient levels
 4. Soluble salt less than 1.0 mmho/cm
 5. Cation Exchange Capacity (CEC) greater than 10
 6. Carbon/Nitrogen ratio less than 33:1
- D. Loam or clay loam shall not come from USDA - classified prime farmland.

2.2 FERTILIZER (if needed)

- A. Should nutrient analysis suggest that the loam or clay loam need additional nutrients, it shall be amended by Amerex's licensed producer.

2.3 SULFUR (if needed)

- A. Sulfur shall be a commercial granular, 96% pure sulfur, with material and analysis appearing on the labeled container.
- B. Sulfur used to lower pH shall be a ferrous sulfate formulation.
- C. Application rates shall be dependent on soil test results.

2.4 LIME (if needed)

- A. Agricultural lime containing a minimum of 85% carbonates.
- B. Application rates shall be dependent on soil test results.

2.5 CRUSHED STONE

- A. The size of the crushed stone shall be 0.75 inches to 1.5 inches allowing for up to 10% being greater than 1.5 inches, and up to 10% less than 0.75 inches.
- B. Acceptable aggregate dimensions will not exceed 2.5:1.0 for any two dimensions.
- C. Minimum 90% with two or more fractured faces.
- D. Results of Aggregate Soundness Loss test shall not exceed 18%.
- E. Losses from LA Abrasion tests shall not exceed 40%.

2.6 HYDROGEL

- A. Hydrogel shall be a coated potassium propenoate-propionamide copolymer (Gelscape® Hydrogel Tackifier) as manufactured by Amerex, Inc. 800-832-8788.

2.7 WATER

- A. The installing contractor shall be responsible to furnish his own supply of water (if needed) free of impurities, to the site.

2.8 CU-STRUCTURAL SOIL®

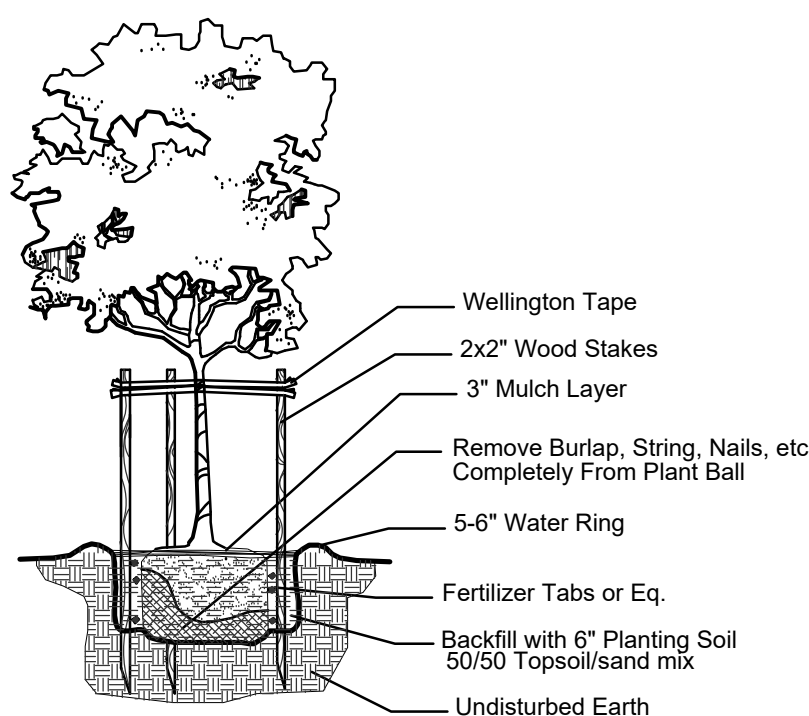
- A. A uniformly blended urban tree mixture of crushed stone, clay loam and Gelscape® Hydrogel Tackifier, as produced by an Amerex-licensed company, mixed in the following proportion:

Material	Unit of Weight
specified crushed Stone	100 units dry weight
specified clay loam	20 - 25 units (to achieve minimum CBR of 50)
Gelscape® Hydrogel Tackifier	0.055 units dry weight
moisture	ASTM D698/ASHTO T-99 optimum moisture

CU-STRUCTURAL SOIL SPECIFICATIONS

SPECIAL INSTRUCTIONS:

1. GENERAL SITE AND BERM GRADING TO +/- 1 INCH (1") SHALL BE PROVIDED BY THE GENERAL CONTRACTOR. ALL FINISHED SITE GRADING AND FINAL DECORATIVE BERM SHAPING SHALL BE PROVIDED BY THE LANDSCAPE CONTRACTOR.
2. ALL SOD AREAS AS INDICATED ON THE PLANTING PLAN SHALL RECEIVE STENOTAPHRUM SECUNDATUM, ST. AUGUSTINE 'PALMETTO' SOLID SOD. IT SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO INCLUDE IN THE BID, THE REPAIR OF ANY SOD WHICH MAY BE DAMAGED FROM THE LANDSCAPE INSTALLATION OPERATIONS.



Small Tree Planting Detail

NTS

NOTES:

1. ALL SOD AND LANDSCAPE RECEIVE 100% COVERAGE FROM AN AUTOMATIC IRRIGATION SYSTEM USING AN APPROVED WATER SOURCE.
2. IRRIGATION SYSTEM SHALL ALSO BE EQUIPPED WITH RAIN SENSOR
3. SEE SHEET L-200 TREE DISPOSITION PLAN.
4. SEE SHEET L-210 PLANTING PLAN
5. SEE SHEET L-211 FOR LANDSCAPE SCHEDULE AND CALCULATIONS
6. SEE SHEET L-220 FOR LANDSCAPE DETAILS AND NOTES
7. A PRE-PLANTING MEETING SHALL BE SCHEDULED WITH THE CITY FORESTER OR LANDSCAPE INSPECTOR AND THE LANDSCAPE CONTRACTOR PRIOR TO ANY INSTALLATION ON THE SITE.

GENERAL PLANTING REQUIREMENTS

All sizes shown for plant material on the plans are to be considered Minimum. All plant material must meet or exceed these minimum requirements for both height and spread. Any other requirements for specific shape or effect as noted on the plan(s) will also be required for final acceptance.

All plant material furnished by the landscape contractor shall be Florida #1 or better as established by "Grades and Standards for Florida Nursery Plants" and "Grades and Standards for Florida Nursery Trees". All material shall be installed as per CSI specifications.

All plant material as included herein shall be warranted by the landscape contractor for a minimum period as follows: All trees and palms for 12 months, all shrubs, vines, groundcovers and miscellaneous planting materials for 90 days, and all lawn areas for 60 days after final acceptance by the owner or owner's representative.

All plant material shall be planted in planting soil that is delivered to the site in a clean loose and friable condition. All soil shall have a well drained characteristic. Soil must be free of all rocks, sticks, and objectionable material including weeds and weed seeds as per CSI specifications.

Twelve inches (12") of planting soil 50/50 sand/topsoil mix is required around and beneath the root ball of all trees and palms, and 1 cubic yard per 50 bedding or groundcover plants.

All landscape areas shall be covered with Eucalyptus or sterilized seed free Melaleuca mulch to a minimum depth of three inches (3") of cover when settled. A four-inch clear space must be left for air between plant bases and the mulch. Cypress bark mulch shall not be used.

All plant material shall be thoroughly watered in at the time of planting; no dry planting permitted. All plant materials shall be planted such that the top of the plant ball is flush with the surrounding grade.

All landscape and lawn areas shall be irrigated by a fully automatic sprinkler system adjusted to provide 100% coverage of all landscape areas. All heads shall be adjusted to 100% overlap as per manufacturers specifications and performance standards utilizing a rust free water source. Each system shall be installed with a rain sensor.

It is the sole responsibility of the landscape contractor to insure that all new plantings receive adequate water during the installation and during all plant warranty periods. Deep watering of all new trees and palms and any supplemental watering that may be required to augment natural rainfall and site irrigation is mandatory to insure proper plant development and shall be provided as a part of this contract.

All plant material shall be installed with fertilizer, which shall be State approved as a complete fertilizer containing the required minimum of trace elements in addition to N-P-K, of which 50% of the nitrogen shall be derived from an organic source as per CSI specifications.

Contractors are responsible for coordinating with the owners and appropriate public agencies to assist in locating and verifying all underground utilities prior to excavation.

All ideas, designs and plans indicated or represented by this drawing are owned by and are the exclusive property of AAL.

The plan takes precedence over the plant list.