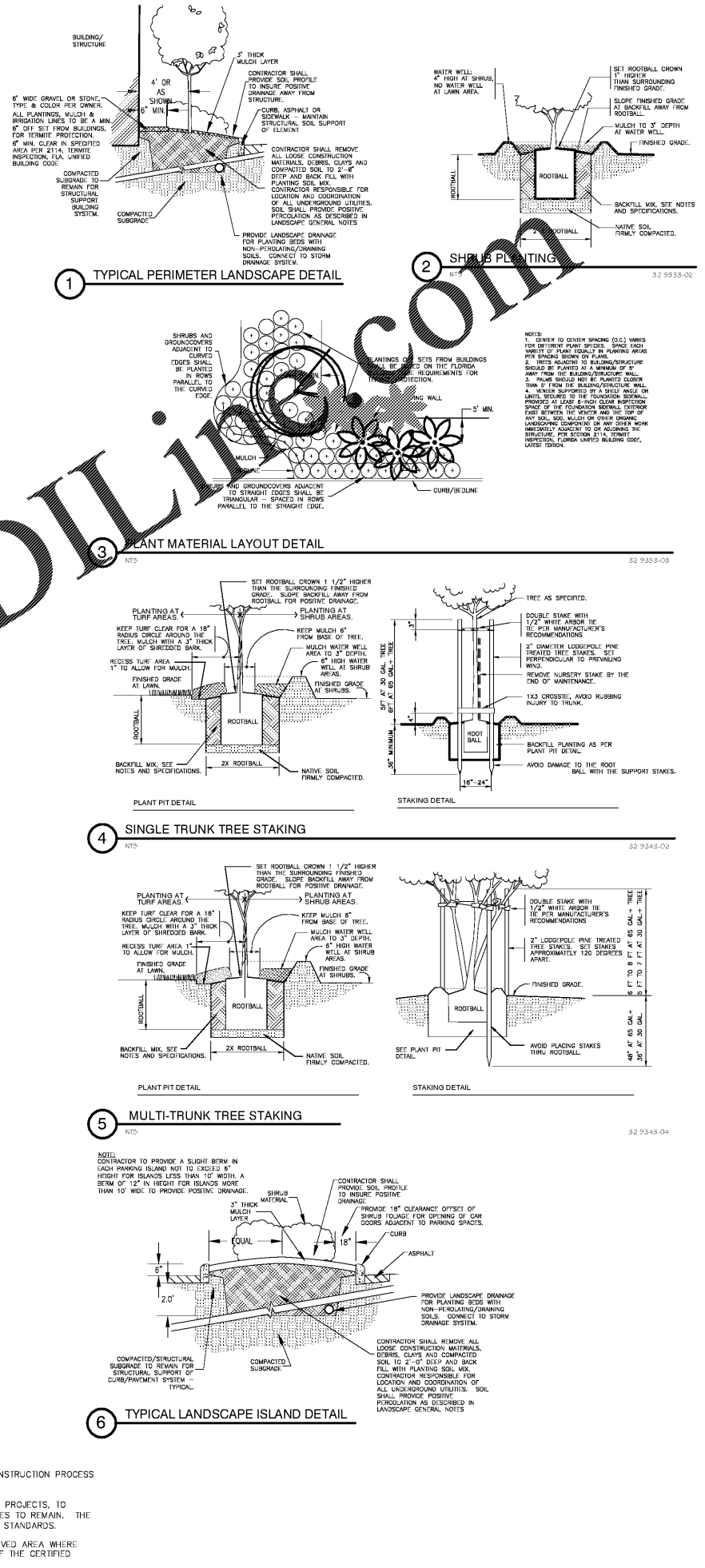


LANDSCAPE GENERAL NOTES

- Permits required by any authority or governing jurisdiction, for any installation or construction work described in the contract documents, shall be obtained by the Contractor. Any applicable fees or financial requirements are to be paid by the Contractor for such permits, unless stipulated specifically in writing by the Owner.
- The Contractor shall comply with all codes, safety requirements, and environmental regulations of federal, state, local and other regulatory agencies that have jurisdiction over the project, without additional cost to the owner. This includes any safety standards of the Occupational Safety and Health Act and amendments. The Owner and Owner's Representative shall be held harmless from any accident, injury or any other incident resulting from compliance or non-compliance with these standards.
- The work indicated in this Section includes the furnishing of all materials, equipment and labor necessary and incidental to the installation and preparation of planting areas, sod treatment, plants, grassing, protection of existing and proposed plants, hauling and spreading of topsoil, finish grading, removal and / or transplanting of existing plants as indicated, warranty, replacement of plants and / or materials, and related items as required to complete the work as indicated on the plans and fulfilling all warranty provisions, as specified herein.
- The work shall also include the maintenance of all landscape plants and materials, planting areas, and sod / seeded areas until the Final Acceptance by the Owner's Representative. This time period of required maintenance may be extended through the full warranty period, as specified in the contract agreement, until Final Project Acceptance.
- During construction, protect all existing trees, shrubs, and other specified vegetation, site features and improvements, structures, installed elements and utilities specified herein and / or on submitted plans. Removal or destruction of items described above is prohibited unless specifically authorized by the Owner.
- The plant list as shown on the plans is for the Contractor's information only and no guarantee is expressed or implied that quantities shown therein are correct or that the list is complete. The Contractor shall verify that all plant material shown on the drawings are included in the Contractor's bid.
- Substitutions of plant materials will not be permitted unless authorized in writing by the Owner's Representative. Proof is to be submitted in writing from 5 different regional sources that a plant specified is not obtainable. Consideration will be given to the nearest available size or similar variety with a corresponding adjustment of the contract price.
- The Contractor shall review and verify the proposed and existing site elements, including but not limited to, storm drainage, water, sewer, phone, cable and electrical utilities, paving, site grading, buildings, walks, hardscape, and vegetation to preclude any misunderstanding and ensure a trouble free installation.
- Stated dimensions shall govern over scaled dimensions on the plans.
- Plants shall be subject to inspection for conformity to specification requirements and approval by the Owner's Representative at their place of growth, or upon delivery to the site, as determined by the Owner's Representative. The Contractor shall preclude the right of inspection and rejection during any phase of the work. Rejected plant materials shall be immediately removed from the project site and replaced with approved plant materials within seven (7) days or as approved by the Owner's Representative.
- All plants may be selected and tagged by the Owner's Representative at their place of growth. For distance material, photographs may be submitted for pre-inspection review and approval by the Owner's Representative. Pictures shall be clear and contain the full image of the plant material to be reviewed and have a clear indication of size in foot increments for trees and palms and inches for shrubs and groundcovers. The photograph will become the representative sample for that plant type (species and size).
- Submit certificates of inspection, as required by governmental authorities, and manufacturers or vendors certified analysis for soil amendments, herbicides, insecticides and fertilizer materials and any additional data that indicates that the materials comply with specified requirements.
- The Contractor shall conduct a minimum of three (3) soil tests at locations as shown on the plans or determined by the Owner's Representative. The Contractor shall test each location for soil composition (type, strata, pH, soluble salts, and organic content) and sub-surface drainage conditions (percolation rate), as a minimum. Soil testing shall be conducted by an approved soil-testing laboratory. The Contractor shall provide the Owner's Representative with the results of the soil analyses prior to any installations throughout the project. If soil conditions are insufficient for proper plant growth, the Contractor is required to supply recommendations for improving the condition of the soil for each area, to the Owner's Representative for approval. The Contractor shall, at the discretion of the Owner's Representative, proceed with the recommendations for improving the soil conditions.
- Trees designated as Ball and Burlap (B&B) shall be properly dug with firm natural balls of soil retaining as many fibrous roots as possible in sizes and shapes as specified in the most recent edition of the American Standard for Nursery Stock. Balls shall be firmly wrapped with non-synthetic, rotatable burlap and secured with heavy non-synthetic, rotatable twine. Root collar shall be apparent at the surface of the rootball. No trees with loose, broken, or manufactured rootballs will be planted, except with written approval of the Owner's Representative, prior to planting.
- Sabal Palms shall have all fronds removed prior to planting, leaving a minimum of twelve (12) inches of new frond growth above the bud. Buds shall be removed from the trunk of sabal palms unless otherwise specified by the Owner's Representative. Remove only a minimum number of fronds on other palm species to facilitate the handling of the palm material. Do not damage the buds of any palms and take necessary care to protect the bud during digging, handling, transportation and installation.
- During transportation of plant material, the Contractor shall exercise care to prevent injury and drying out of the trees. Should the roots be dried out, large branches broken, rootball damaged, or areas of torn bark, the Owner's Representative may reject the injured plant material and require replacement of the rejected material at no additional cost to the Owner.
- Plant material that is stored improperly shall receive a special review of acceptance or rejection, established on a case by case basis.
- The Contractor shall protect existing pavement, buildings, walls, hardscape elements, utilities and planting materials (trees, shrubs, ground covers, etc.) which are not designated for removal on the plans from damage.
- Palms: Fertilizer shall be composed of sixteen percent (16%) nitrate nitrogen, four percent (4%) phosphorus, eight percent (8%) potassium and contain all primary and secondary trace elements for sodded areas, or approved equal.
- Palms: Fertilizer shall be composed of twelve percent (12%) nitrogen, four percent (4%) phosphorus, ten percent (10%) potassium and contain all primary and secondary trace elements for Florida palm trees.
- Fertilizer shall be applied at the rates recommended by the manufacturer and a testing laboratory. Fertilizer shall be applied as a top dressing only and shall not be mixed in with the backfill material at time of installation. Contractor shall apply fertilizers at the time of installation. Fertilizer shall be applied per ANSI 300, Part 2 - 1988 and Best Management Practices, Trees and Shrub Fertilization, ISA.
- Trees, shrubs and ground cover shall be set straight and at each level, the tree settlement, the plant ball will stand flush, to 1" - 1/2" above grade. Each plant shall be set in the center of the planting pit (see planting details). Planting goal shall be thoroughly watered-in to remove all air pockets around the root ball. Do not rely on the irrigation system to achieve this task. All burlap, rope wires, etc., shall be loosened from the top and shall be pulled from underneath. No more than two (2) inches of soil shall remain over the first major root closest to the soil surface. Remove non-biodegradable nursery wrappings and unwrap burlap from the top 1/3 of the rootball.
- Plant materials such as trees, shrubs and ground covers shall be planted prior to the planting of the grassed / sodded areas. The grassed / sodded areas shall be protected during and repaired if damaged during the planting installation activities.
- All new furnished trees and palms shall be set plumb at the time they are installed to within a tolerance of three (3) degrees from vertical. Trees and palms not found to be vertically aligned will not be accepted.
- A basin shall be built around all plants or trees that stand-alone and are not located in larger mulched beds. A water-holding sand-dam shall be built around the edge of the planting pit to form a basin of sufficient volume to hold water, as per the Planting Details.
- Each tree shall be planted to preserve the natural character of the plant as shown on the Plans. All softwood (sucker growth) and all broken or badly damaged branches shall be removed with a clean cut. Pruning procedures shall conform to ANSI A300 Part 2 - 2001 and Pruning and Best Management Practices, Tree Pruning, by the International Society of Arboriculture. All pruning shall be previously approved by the Owner's Representative.
- One week after the planting, mulch material, as specified, shall be uniformly applied to a minimum wetted thickness of three (3) inches or as indicated on the Plans, over the entire area of the backfilled hole or bed. The mulch shall be maintained continuously in place until the time of final inspection.
- All trees not within planting beds shall be mulched within a three (3) foot diameter of the tree.
- Do not place mulch immediately against trunks of trees and palms.
- Soft spots and inequalities in grade shall be corrected before starting sod work. Soil shall be watered before sod planting. Tamp or roll all newly installed sod. Sod shall be thoroughly watered in.
- The setting of the sod pieces shall be staggered so as to avoid a continuous seam. The offsets of individual strips shall not exceed 6". In order to prevent erosion caused by vertical edges at the outer limits, the outer pieces of sod shall be tamped so as to produce a feathered edge effect. If so directed, prevent the sod from drying out by watering the sod at intervals. Sod shall be placed in rows perpendicular to the slope.
- The project site shall be kept in a relative neat and clean appearance throughout the course of the landscape installation. Perform cleaning during installation of the work and upon completion of the work. Remove from the site all excess materials, soil, debris, and equipment. Repair damage resulting from planting and other landscape installation operations. Landscape beds and sodded areas shall be kept weed free until acceptance by Owner and maintenance period commences.
- Provide one (1) year warranty covering the life and satisfactory condition of all planted materials. All sod shall be accepted for 90 days after Final Acceptance. The one (1) year warranty does not begin until the entire landscape installation has been accepted by the Owner's Representative at the time of Final Acceptance for Landscape work. After the one (1) year warranty period, the Owner's Representative shall conduct the Project's Final Inspection.
- All plant material and turf not found in a healthy growing condition, questionable survivorship or dead at the end or at any time during the warranty period shall be removed from the site and replaced within ten (10) calendar days after written notice.
- All plant material replacements shall be of the same kind and size as specified in the Plant List. They shall be furnished, planted, mulched and watered-in as specified at no additional cost to the Owner. These replacement materials shall be bound to the same warranty conditions as the original materials.
- Damage to plant material from obvious vandalism, theft, Owner's neglect, or acts of providence (i.e., prolonged flooding, gale force winds, etc.), or incidents beyond the Contractor's control will not be covered under this warranty.
- The Contractor shall notify the Owner's Representative in writing, a minimum of ten (10) days in advance, when all work is substantially complete to schedule a substantial completion. Based on this inspection, the Owner's Representative will develop a punch list of items to be addressed by the Contractor. Upon completion of Punch List items, the Contractor shall coordinate with the Owner's Representative to schedule a Final Acceptance Inspection. At the time of Final Acceptance, the warranty period shall begin.
- Upon Final Acceptance of the plant material, the Contractor shall submit two (2) written maintenance instructions recommending procedures for the maintenance of plant materials and sod, for a one year period.

- TYPICAL PERIMETER LANDSCAPE DETAIL**
- SHRUB PLANTING**
- PLANT MATERIAL LAYOUT DETAIL**
- SINGLE TRUNK TREE STAKING**
- MULTI-TRUNK TREE STAKING**
- TYPICAL LANDSCAPE ISLAND DETAIL**



ROBERSON RESOURCE GROUP
 Landscape Architecture & Consulting
 3152 Little Lake Road # 125, Trinity, Florida 34665
 Phone: 772-295-4288 Web: RRGLA.com
 LA0001461 & LC2600267

Project No. _____
 Date _____
 Revision _____

Pasco County Fire & Rescue Station #17
 Pasco County, Florida

LANDSCAPE NOTES & DETAILS
 Project No. 20-013
 Date 05/04/20
 Sheet LA2