





REVISIONS	DATE

MICHAEL PAPER & ASSOCIATES, P.A.  
 LAND PLANNING SITE DESIGN LANDSCAPE ARCHITECTURE  
 2351 S.E. 17TH STREET Ocala, Florida 34471 (352) 351-3500

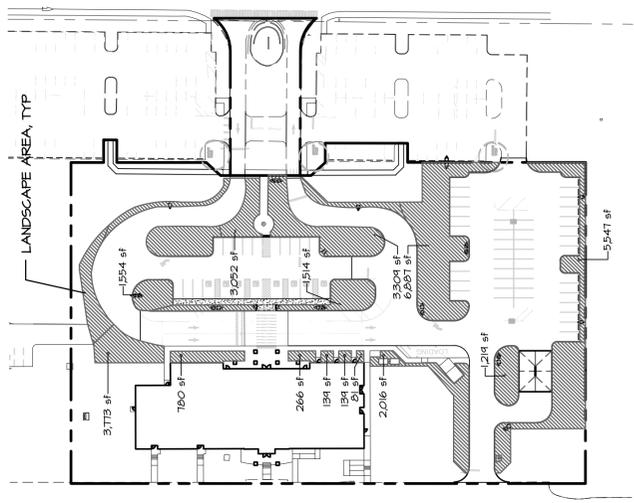
MPA  
 Ocala Florida  
 LANDSCAPE PLAN  
 Ocala International Airport

DATE	04-26-19
JOB NO.	1234
DWG. NO.	1234.01A.LS
DWL BY	SS
CHKD. BY	SS
SHEET	2 OF 2

L-2

**INTERIOR LANDSCAPE CALCULATIONS**

PROJECT AREA: 157,146 SF (3.61 Ac.)  
 IMPERVIOUS PARKING AREAS: 64,082 SF  
 REQUIRED INTERIOR L/S: 6,908 SF (10%)  
 PROVIDED INTERIOR L/S: 29,651 SF (43%)

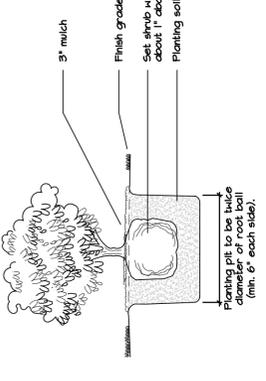


**LANDSCAPE AREA DIAGRAM NOT TO SCALE**

**LANDSCAPE NOTES (REFER TO THE DETAILED SPECIFICATIONS)**

- The Landscape Contractor shall generally include the following work:
  - Finish grading 4" in all areas of the work.
  - Apply topsoil to all areas of the work, including applications of topsoil to areas of the work that have not been planted, and use of pre-emergent herbicide during planting.
  - Apply plant material of the specified type, size, and quality.
  - Proper amendment of the soil used for planting, preparation of bed areas, sizing of planting pits, and correct planting procedures.
  - Observe and maintain the limits shown on the plan, in a neat, finished manner meeting specified requirements.
  - Observe and maintain all plantings per the specified requirements until final completion of the work.
  - Observe and following any special requirements beyond the specifications as noted on the plans.
- The Landscape Contractor shall be responsible for:
  - Observing and reporting any deleterious soil, drainage, or other any conditions which would affect the health and performance of the landscape.
  - Following all applicable codes and regulations concerning the work, whether or not they are stipulated in the bid documents.
  - Reporting and repairing any damage caused by the work at all times.
  - Maintaining the job site in a clean, professional, and workmanlike manner.
  - Adjustments of plant locations if required.
  - Coordination with all other aspects of the job affecting the finished character of the landscape.
  - Presenting the work in a continuous and diligent manner until it is complete according to the specifications.
  - Following all administrative and technical requirements of the bid documents.
- Michael Paper & Associates, P.A. is responsible for having the work meet all requirements stipulated and implied in the Plans and Specifications. Any work that does not is subject to rejection and replacement by the contractor at his own cost.

REFER TO SEPARATE SET OF SPECIFICATIONS THAT MUST ACCOMPANY THIS PLAN



**SHRUB INSTALLATION DETAIL**

- 3" mulch
- Finish grade
- Set shrub with top of rootball 1" above finish grade
- Planting soil (see specs)
- Planting pit to be twice diameter of rootball (min. 6" each side)
- The trunk of the palm shall have no more than 3" of palm frond below the highest living frond
- Minimum of three (3) 2"x4"x8" wood stakes placed vertically around tree trunk, spaced evenly for protection with burlap for protection
- Individual irrigation heads shall be inside soil berm
- Minimum of three (3) 2"x4"x8" wood stakes, placed evenly around tree
- 3" mulch
- Set palm at original planting grade
- 6" soil berm to hold water
- 2"x4"x2" wood butt stakes: If tree is in container area, stakes shall be inside soil berm
- Finish grade
- Planting soil (see specs)
- 12" compacted planting soil below rootball

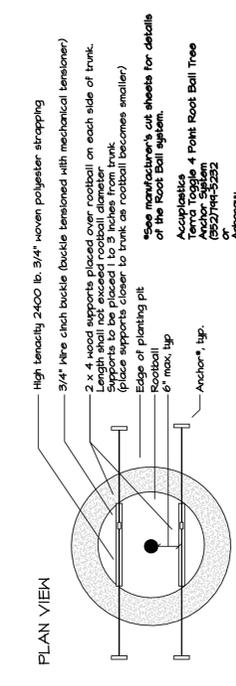
ALL WOOD SHALL BE PRESSURE-TREATED PINE, OR BETTER

**PALM INSTALLATION DETAIL**

- Minimum of two (2) approved ties of 1/2" diameter, spaced evenly around trunk with nylon hose to protect trunk. Ties or wires shall be adjusted to maintain tightness
- Individual irrigation heads shall be inside soil berm
- Large posts or 2"x2" wood stakes, when stakes driven into ground
- Set tree 3"-4" above original planting grade
- 3" mulch
- Finish grade
- 4" soil berm to hold water
- Planting soil (see specs)
- 12" compacted planting soil below rootball
- Turn down top 1/8" of burlap if tree is B1/B; remove all straps and ties
- Tree pit to be twice diameter of root ball.

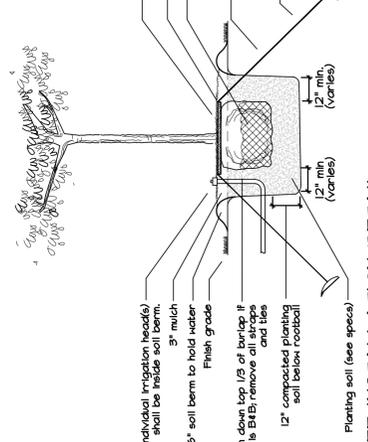
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**TREE INSTALLATION DETAIL FOR MULTI-TRUNK TREES, TREES LESS THAN 3" CAL. OR CONTAINER TREES UP TO 30 GAL.**



**PLAN VIEW**

- High tenacity 2400 lb. 3/4" woven polyester strapping
- 3/4" wire chain buckle fastener tensioned with mechanical tensioner
- 2 x 4 wood supports placed over rootball on each side of trunk
- Length shall not exceed rootball diameter
- Supports to be placed 1 to 3 inches from trunk
- Strapping to be applied to trunk as rootball becomes smaller
- \*See manufacturer's cut sheets for details of the Root Ball System.
- Accuplaska Terra Toggle 4 Point Root Ball Tree
- Anchor\* 1/2" x 6" x 6" (500 lb. rated anchor)
- HP Anchors (5007741-3252)
- Contractor must check strap tension 2-4 times during installation
- Contractor must be re-tightened if loose. Contractor must periodically check strap tension for twelve (12) months after installation
- System provides protection from high wind events provided proper strap tension is maintained
- Contractor shall ensure rootball has sufficient strength to withstand rootball anchoring
- See plan view for wood support, chain buckle, and strapping details
- Set tree 3"-4" above original planting grade
- Contractor shall ensure rootball has sufficient strength to withstand rootball anchoring
- Hole bored into soil at the end of the 2 x 4 wood supports
- Anchor installed at 3 to 5 foot depth into unshaded soil with strap at 45° angle away from tree
- Anchor\* x 4 (500 lb. rated anchor)



**TREE INSTALLATION DETAIL FOR 3"-4" CAL., 45-100 GAL. TREES OR B1/B TREES UP TO 40" DIAMETER ROOTBALL.**

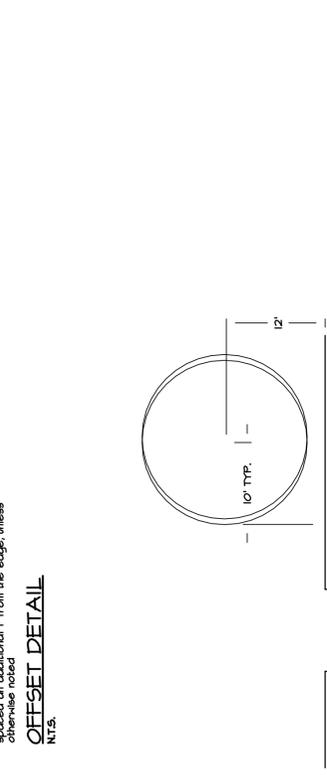


**OFFSET DETAIL**

- Valve base, top, (kicks) boxes shall be installed as shown, unless otherwise noted
- Plant, top
- Varies per spacing
- Mulch
- Handscape edge, wall/fence, sod edge, etc.
- As shown on plan, all shrubs and groundcovers adjacent to curb/pavement, rec trail, wall/fence, building foundation, valve box/utility vault, soil, etc. shall be spaced an additional 1" from the edge, unless otherwise noted

ALL WOOD SHALL BE PRESSURE-TREATED PINE, OR BETTER.

**ROOT CONTROL BARRIER DETAIL**



**IRRIGATION NOTES (REFER TO THE DETAILED SPECIFICATIONS)**

- The Irrigation Contractor shall generally include the following work:
  - All equipment, materials, and labor to provide a complete and properly operating irrigation system meeting the performance specifications and the requirements of the landscape plan.
  - Documentation and submit of actual water supply performance prior to commencing installation.
  - Documentation of zones covering areas for: independent operation, where applicable.
  - Adjustment of nozzle pattern or relocation of heads to minimize over-tron onto pavement or structures and to provide satisfactory coverage to all plant material.
  - Adjustment of zoning or controller(s) and submit of separate zone schedule and Controller Operations Manual to the Landscape Architect.
  - Submit of the Owner's Manuals with contents as described in the specifications.
  - Provision of a written guarantee.
- The Irrigation Contractor shall be responsible for:
  - Observing and reporting any conditions which would affect the performance of the system.
  - Providing constant supervision of the work at all times.
  - Reporting and repairing any damage caused by the work at all times.
  - Maintaining the job site in a clean, professional, and workmanlike manner.
  - Adjustments of head locations if required.
  - Provision of a continuous and diligent manner until it is complete according to the Plans and Specifications.
  - Following all administrative and technical requirements of the bid documents.
- Michael Paper & Associates, P.A. is responsible for having the work meet all requirements stipulated and implied in the Plans and Specifications. Any work that does not is subject to rejection and replacement by the contractor at his own cost.

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