



REVISIONS	DATE

MICHAEL PAPER & ASSOCIATES, P.A.
 LAND PLANNING SITE DESIGN LANDSCAPE ARCHITECTURE
 2351 S.E. 17TH STREET Ocala, Florida 34471 (352) 551-3500

OCALA FLORIDA
 LANDSCAPE PLAN
 Ocala International Airport

DATE 04-26-19
 JOB NO. 1234
 DWG. NO. 1234.01A.LS
 DWN. BY: SS
 CHKD. BY: SS
 SHEET 1 OF 2

L-1

SITE DATA
 Project Area: 157,146 (3.61t ac)
 (See Civil Site Plan prepared by Davis Dinkins Engineering)

TREE CALCULATIONS
 Based on site survey data provided by others

EX-TREE MITIGATION CALCULATIONS
 Total existing trees = Various palms and ornamental trees
 3 shade trees within project area from previous 2015 expansion project
 Total trees required to be preserved = 2 (80% of viable Shade Trees)
 Total trees preserved = 1 Shade Tree, 1 Palm Tree

SITE SHADE TREE CALCULATIONS
 Site Shade trees required = 16 (3.61 Ac / 10,000 sf)
 Reason for Shade Trees within project area = 1
 Total Additional Site Shade Trees Required = 15
 Ornamental trees* provided = 8
 (8 Counted as 4 Shade Trees at the 2:1 ratio allowed, not exceeding the 50% maximum)
 Shade Trees Provided = 14

Total Site Shade Trees provided = 18
 *Ornamental Trees used in parking islands due to light locations and/or proximity to building or dumpster.

INTERIOR LANDSCAPE CALCULATIONS
 See Sheet L-2

OPEN SPACE CALCULATIONS
 Refer to CIVIL drawings for Open Space calculations.

GENERAL NOTES:

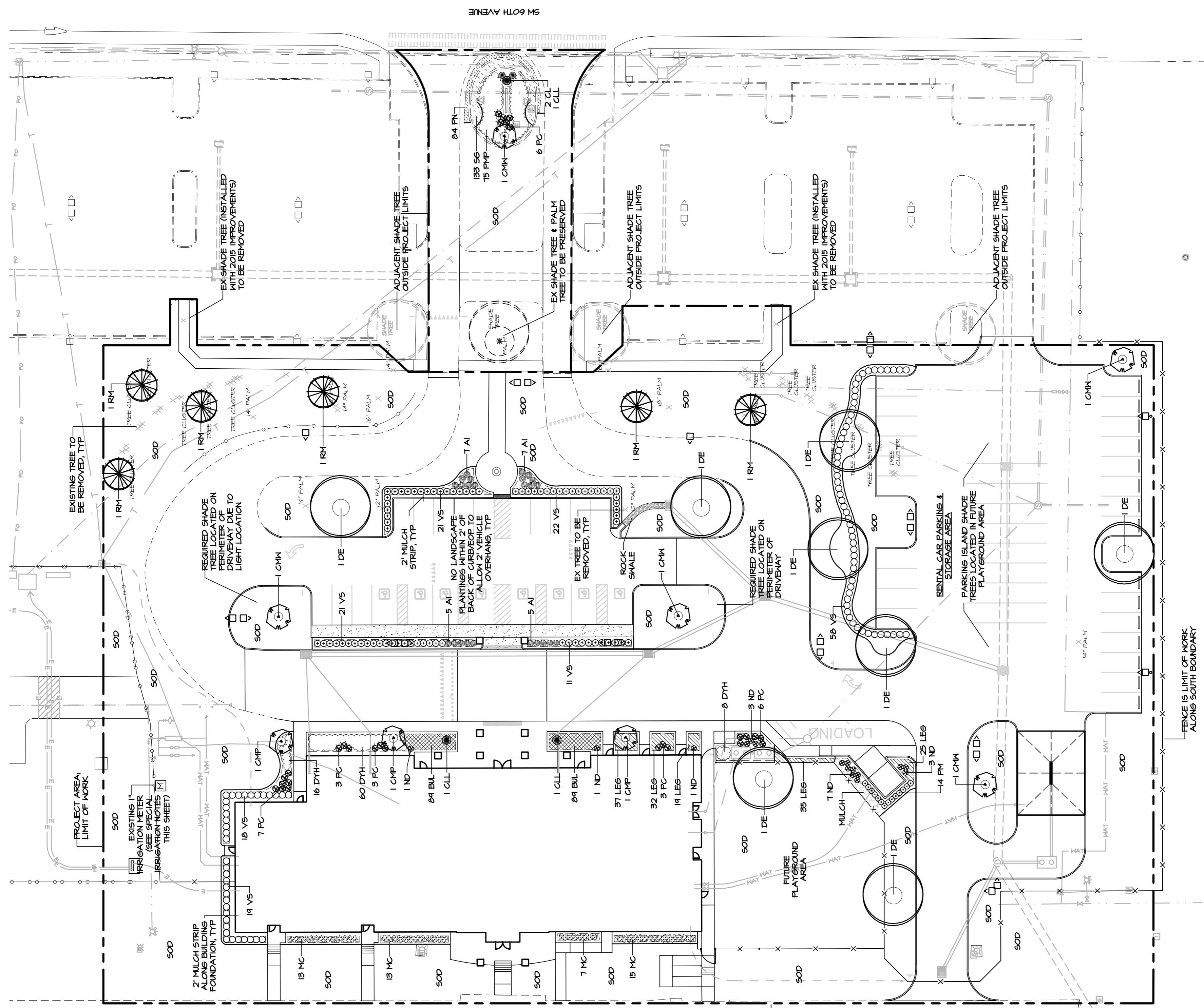
- ALL PLANT MATERIAL USED SHALL BE EQUAL TO OR EXCEED THE GRADE OF FLORIDA #1 AS PER 'GRADES AND STANDARDS FOR NURSERY PLANTS', STATE OF FLORIDA, LATEST EDITION.
- ALL LANDSCAPING SHALL BE INSTALLED IN A PROFESSIONAL MANNER FOLLOWING ACCEPTABLE NURSERY PRACTICES AS SET BY THE FLORIDA NURSERYMEN AND GROWERS ASSOCIATION (FNGA).
- THE OWNER, INCLUDING SUCCESSORS AND ASSIGNS, SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE LANDSCAPING ON-SITE AND THE GRASSED RIGHTS-OF-WAY.
- ALL LANDSCAPED AREAS SHALL BE WATERED BY A 100% AUTOMATIC IRRIGATION SYSTEM EQUIPPED WITH A RAIN SENSOR DEVICE PERMANENT TO F.S. CHAPTER 313. THE WATER SOURCE SHALL BE THE EXISTING 1" IRRIGATION METER. SEE PLAN FOR LOCATION. AN IRRIGATION PLAN SHALL BE SUBMITTED PRIOR TO CO, IF REQUIRED.

The anticipated irrigation demand for this site shall be 4500 gallons per week. This demand is based on an average of 1" of water per week for all irrigated areas, per UF/IFAS and Water Management District general recommendations. The proposed irrigation system shall be designed to irrigate the site based on a 2-day watering schedule.

LANDSCAPING SHALL CONFORM GENERALLY TO WATER-EFFICIENT DESIGN PRINCIPLES, INCLUDING THE USE OF NATIVE AND/OR DROUGHT TOLERANT SPECIES.

PLANT SCHEDULE
 Notes: Plant quantities are provided on a grade only. The contractor shall confirm total quantities as reflected by the plan. All notes from the minimum unless otherwise noted. Every component of types shall be noted.

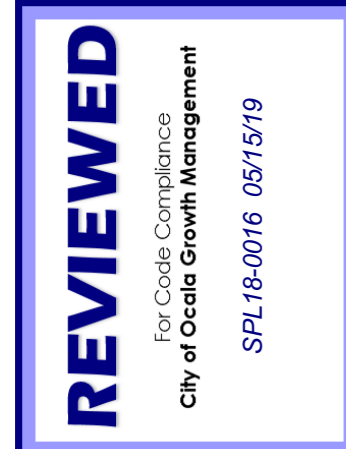
Qty	Plant Name	Size and Spacing	Maintenance
AI	24 African Iris, white	#5 full, 5-6 ppp mh;	Allow natural growth; deadhead regularly
AI	24 Dietes vegeta	3' oc	18" ht x full mass
BUL	118 Bulbine	#1 full;	Allow mature growth
BUL	118 Bulbine Irivescens	18" oc	Allow mature growth
CL	2 Crinum Lily, white	#1, 30" x OA	Allow mature growth
CL	3 Crinum Lily, white	#15, 36" x 36" mh;	Allow mature growth
CL	3 Crinum Lily, white	3' oc	18" ht x 12" spr; prune no more than 1/2" wood
CHP	3 Grape Myrtle, pink	150/180, 6" ht x 4" spr;	25" ht x 20" spr; prune no more than 1/2" wood
CHP	3 Grape Myrtle, white	150/180, 4" ht x 5" spr;	25" ht x 20" spr; prune no more than 1/2" wood
DE	8 Drake Elm	Cont'd 18-18" ht x 6-8" spr;	Allow natural growth; prune only for form or dead wood
DE	8 Drake Elm	35" col, straight trunk	30" ht x full mass
DTH	84 Dwarf Yapon Holly	#5, 10-12" ht x 14-18" spr;	18" ht x full mass
DTH	84 Dwarf Yapon Holly	3' oc	18" ht x full mass
LEG	148 Emerald coddess Liriodie	#1 full, 5-7' ppp mh;	Allow natural growth; remove weeds; cut back after last frost annually
LEG	148 Emerald coddess Liriodie	18" oc	Allow natural growth
MC	48 Milky Oreo	#1, 25" ht x 2" spr;	4" ht x full mass; maintain informally; do not shear
MC	48 Milky Oreo	3 cones mh;	6" ht x 30" full height; may be sheared
ND	16 Heavenly Banaroo	#5, 18" x 18" x;	30" ht x full mass; maintain informally; do not shear
ND	16 Heavenly Banaroo	3' oc	6" ht x full mass; maintain informally; do not shear
PC	28 Plumbago	Cont'd 18-18" ht x 30" spr;	30" ht x full mass; maintain informally; do not shear
PC	28 Plumbago	3' oc	6" ht x full mass; maintain informally; do not shear
PM	14 Japanese Yew	#5, 10-12" ht x 12-18" spr;	6" ht, full mass; prevent intrusion into other plants
PM	14 Japanese Yew	3' oc	6" ht, full mass; prevent intrusion into other plants
PN	84 Perennial Peonant	#1 full, 12" spr;	Allow natural growth; prune only for form or dead wood
PN	84 Perennial Peonant	18" oc	Allow natural growth; prune only for form or dead wood
RM	6 Red Maple	BAB, 18-24" ht x 6-8" spr;	Allow natural growth; full ht
RM	6 Red Maple	3-1/2" cal mh	Allow natural growth; full ht
SB	103 Spalding Gerbil	#1 full, 6-8' ppp mh;	3-4" ht x 3' full hedge
SB	103 Spalding Gerbil	18" oc	3-4" ht x 3' full hedge
VS	170 Vaccinium vitis-idaea	#5, 18-24" ht x 18-24" spr;	Refresh annually, or as needed
VS	170 Vaccinium vitis-idaea	3' oc	Refresh annually, or as needed
SOD	Argentine Bahia	As specified	As specified
SOD	Argentine Bahia	As specified	As specified
MLGH	148 Pine Strain	3" depth	Refresh annually, or as needed
MLGH	148 Pine Strain	6" depth	Refresh annually, or as needed
ROCK	Brown Eggrock	6" depth	Refresh annually, or as needed



CONTRACTORS:
 Any damage to any existing landscaping or irrigation on adjacent sites caused by any aspect of the construction of this project shall be restored immediately to acceptable conditions, as determined by MPA.
 You are advised to confirm with Michael Paper & Associates that this is the final plan prior to bidding and construction.

SCALE: 1" = 30'

- SPECIAL IRRIGATION NOTES:**
- ALL IRRIGATION COMPONENTS IN AREAS TO RECEIVE ALL WATER SHALL BE INSTALLED AND OPERATED PROPERLY WITH THE EXCEPTION OF ANY IRRIGATION MAINLINE WHICH IS TO REMAIN. NEW IRRIGATION PIPING, VALVES, AND CONTROL DEVICES SHALL BE INSTALLED IN THESE AREAS PER THE PROVIDED SPECIFICATIONS.
 - ALL WORK SHALL COMPLY WITH THE SEPARATE IRRIGATION SPECIFICATION DOCUMENT THAT MUST ACCOMPANY THIS SET OF PLANS.
 - PRIOR TO BEGINNING WORK, THE EXISTING SYSTEM SHALL BE OPERATED BY THE CONTRACTOR TO DETERMINE THE ACTUAL EXTENT OF THE SYSTEM.
 - ALL COMPONENTS OUTSIDE OF THE LIMITS OF WORK ARE TO REMAIN IN SERVICE, AS IS. ZONE LINES SHALL BE CUT AND REINSTALLED IN ORDER TO MAINTAIN OPERATION OF EXISTING IRRIGATION TO REMAIN TO THE GREATEST EXTENT POSSIBLE.
 - ZONE LINES WITHIN THE CONSTRUCTION BOUNDARY THAT SUPPLY OTHER AREAS SHALL BE RELOCATED AS REQUIRED. NEW LINES MAY REMAIN WITHIN THE BOUNDARY, BUT SHALL BE INSTALLED TO ANY ACCESSIBLE AFTER CONSTRUCTION IS COMPLETE.
 - EXISTING IRRIGATION TO REMAIN SHALL NOT BE OUT OF OPERATION FOR MORE THAN 1 DAYS.
 - ALL COMPONENTS REMOVED SHALL BE DISPOSED OF PROPERLY AND NOT REUSED.
 - DISTURBANCE TO EXISTING TREES AND PLANT MATERIAL TO REMAIN, AS BY TRENCING, SHALL BE MINIMIZED.
 - THE CONTRACTOR SHALL PROVIDE DETAILED AS-BUILT PLANS OF THE IRRIGATION SYSTEM DURING JOB CLOSE OUT.



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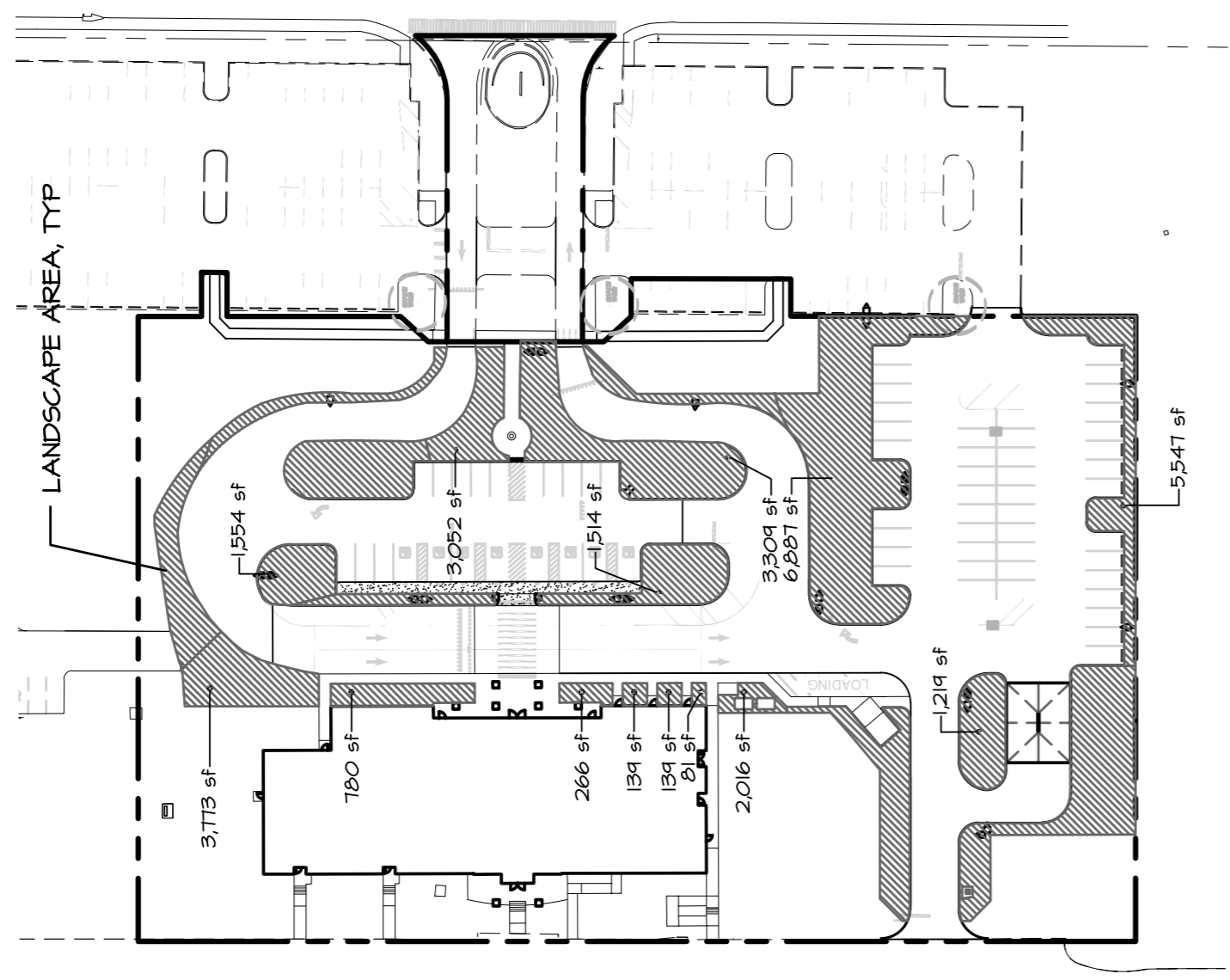
OCALA FLORIDA
 LANDSCAPE PLAN
 OCALA INTERNATIONAL AIRPORT

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

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INTERIOR LANDSCAPE CALCULATIONS

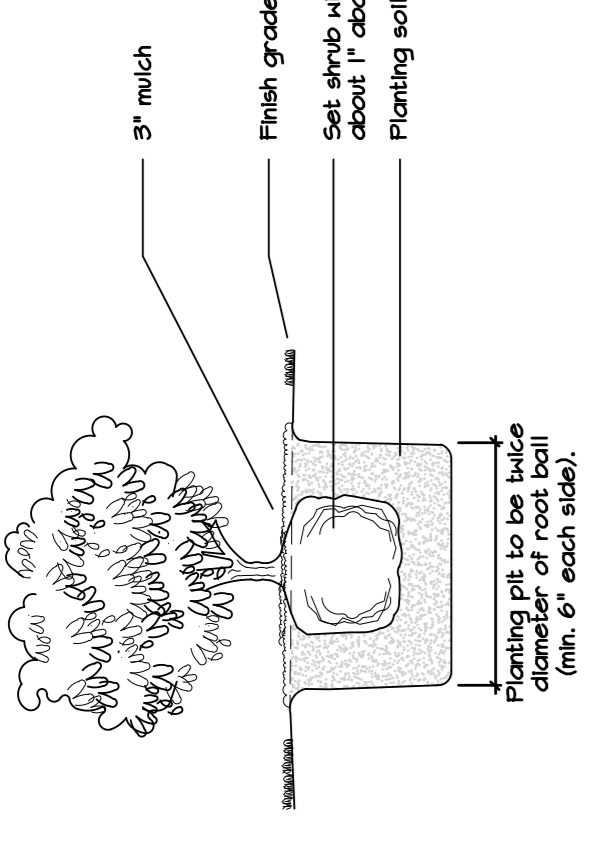
PROJECT AREA: 157,146 SF (3.61 Ac.)
 IMPERVIOUS PARKING AREAS: 64,082 SF
 REQUIRED INTERIOR L/S: 6,908 SF (10%)
 PROVIDED INTERIOR L/S: 29,651 SF (43%)



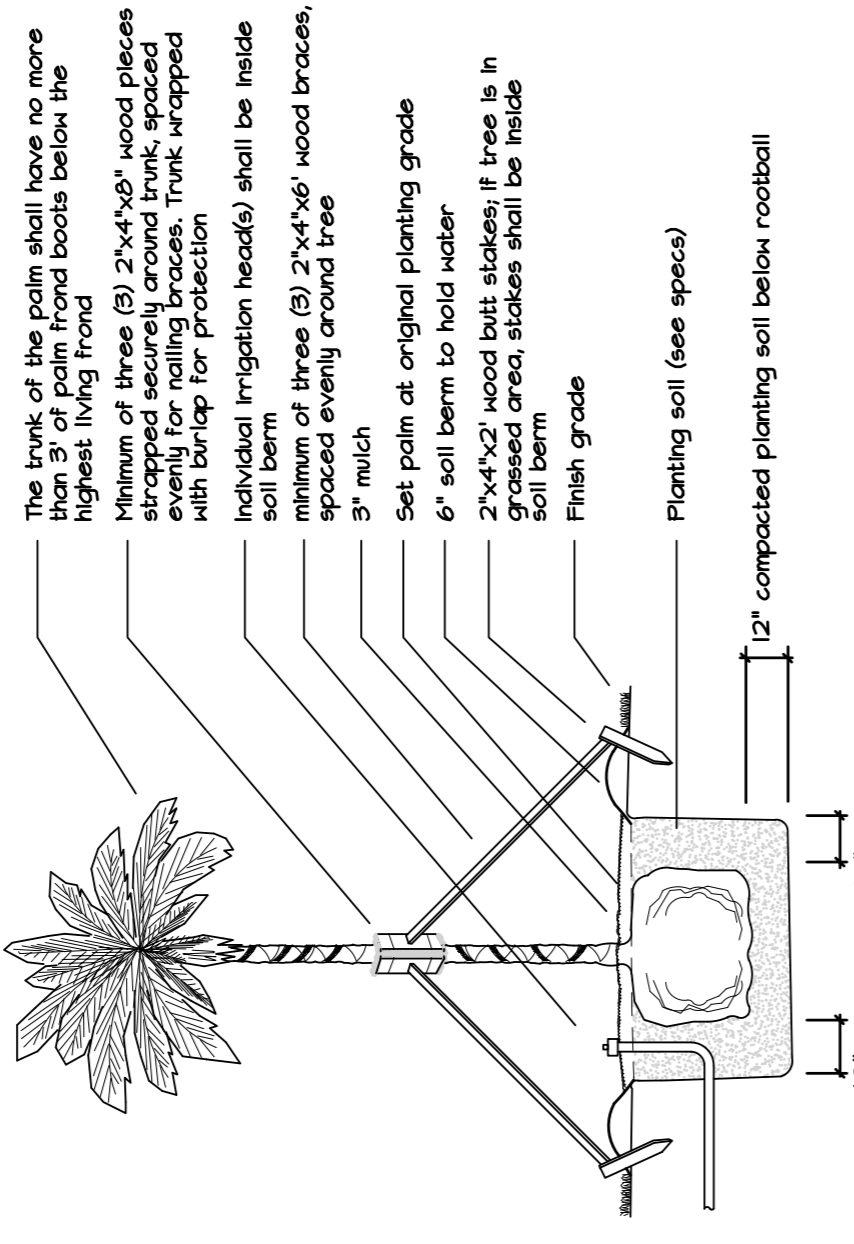
LANDSCAPE NOTES (REFER TO THE DETAILED SPECIFICATIONS)

- The Landscape Contractor shall generally include the following work:
 - Finish grading 4" in all areas of the work.
 - Design and install all irrigation systems, including applications of fertigation, and provide all materials and labor for installation.
 - Provide all materials and labor for planting, including all plants, mulch, and other materials.
 - Apply all materials and labor for the installation of all landscape elements.
 - Proper amendment of the soil used for planting, preparation of bed areas, sizing of planting pits, and correct planting procedures.
 - Observe and maintain all plantings per the specified requirements until final completion.
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- The Landscape Contractor shall be responsible for:
 - Observing and reporting 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 or actions.
 - Maintaining the jobsite 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.

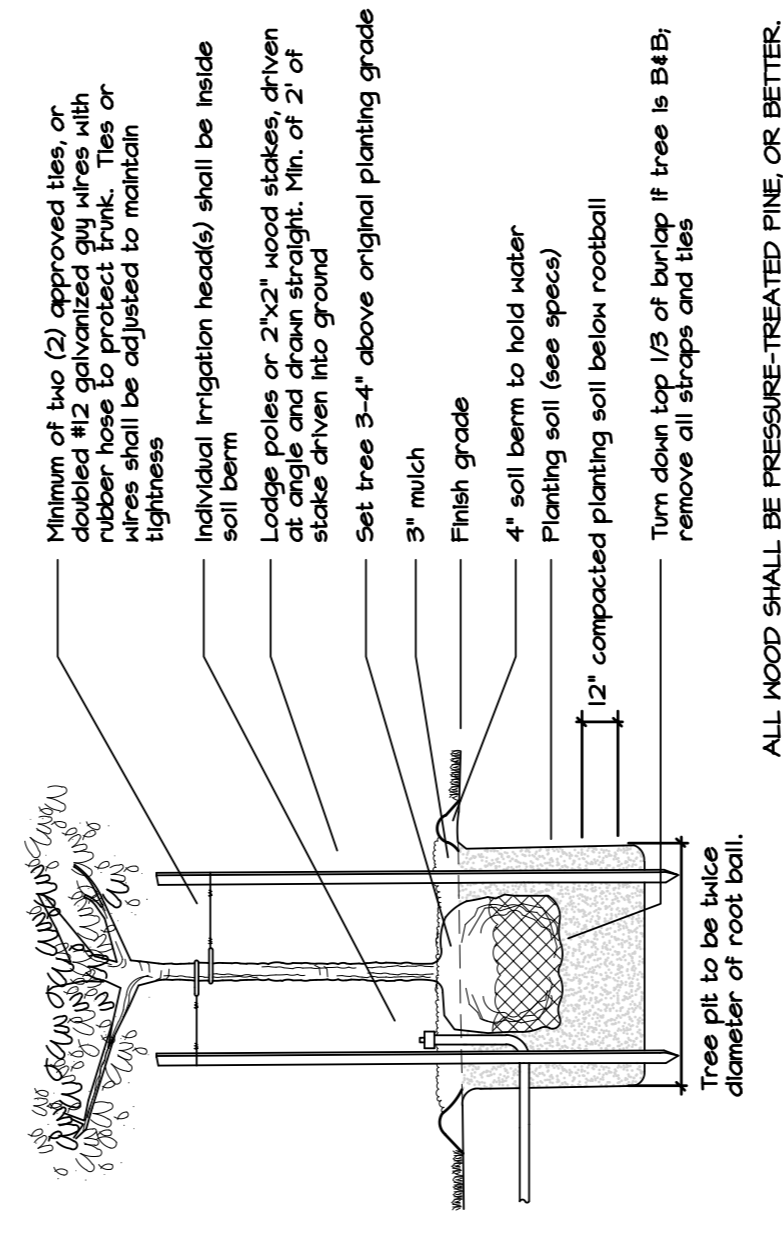
REFER TO SEPARATE SET OF SPECIFICATIONS THAT MUST ACCOMPANY THIS PLAN.



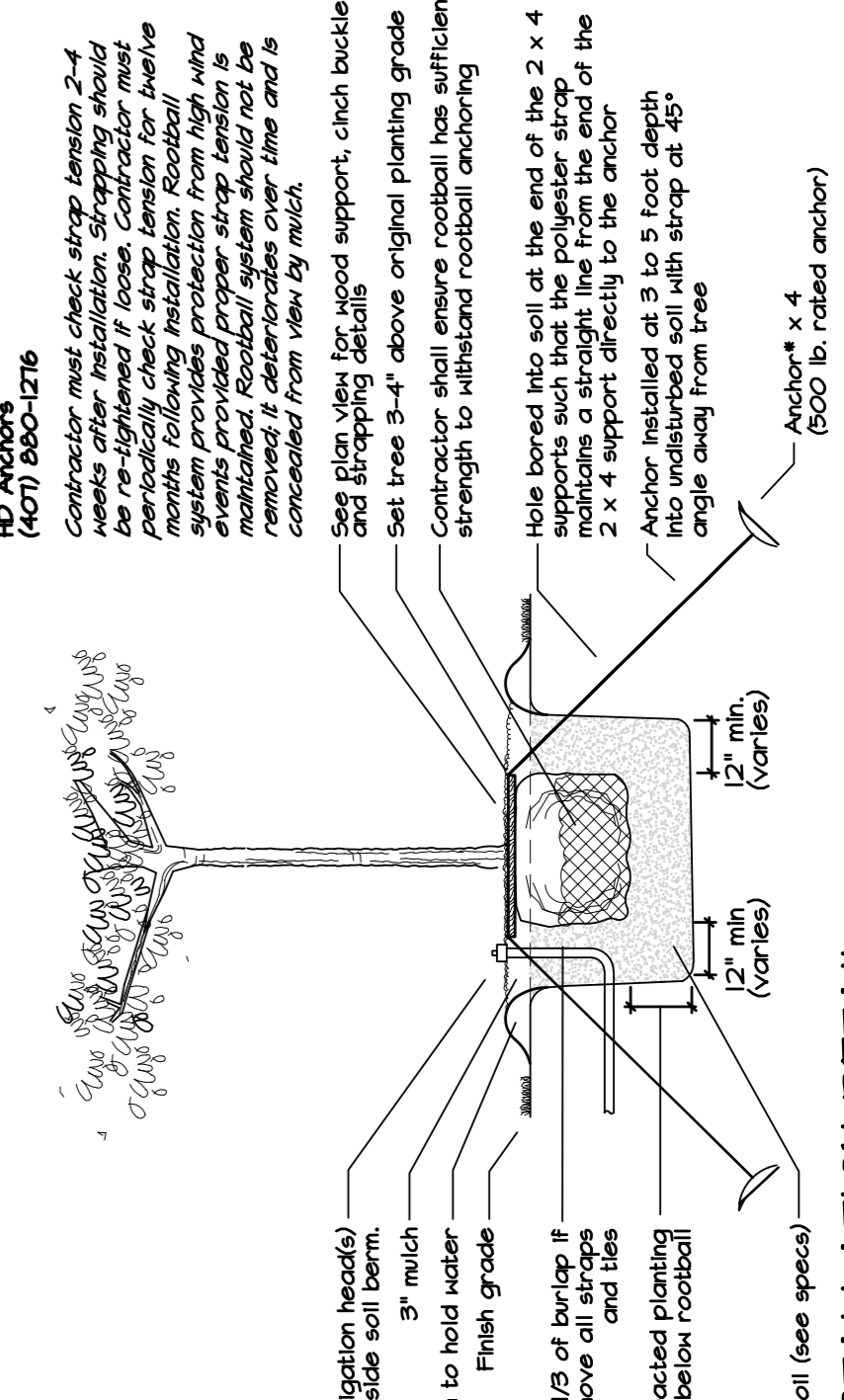
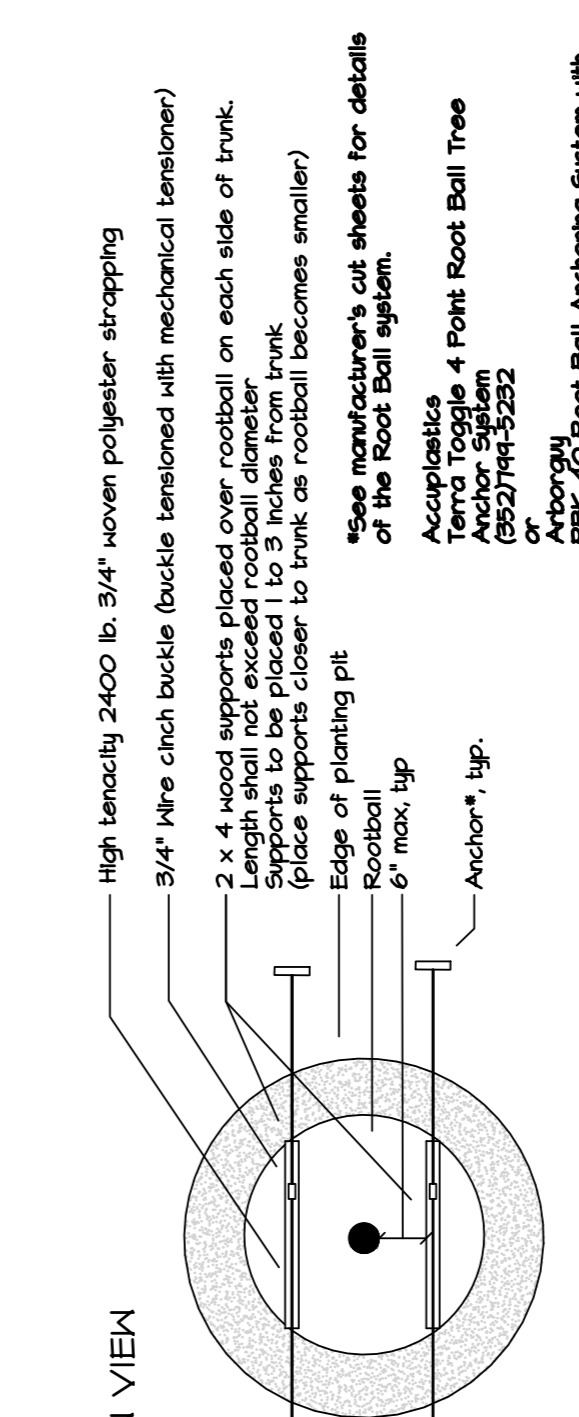
SHRUB INSTALLATION DETAIL



PALM INSTALLATION DETAIL



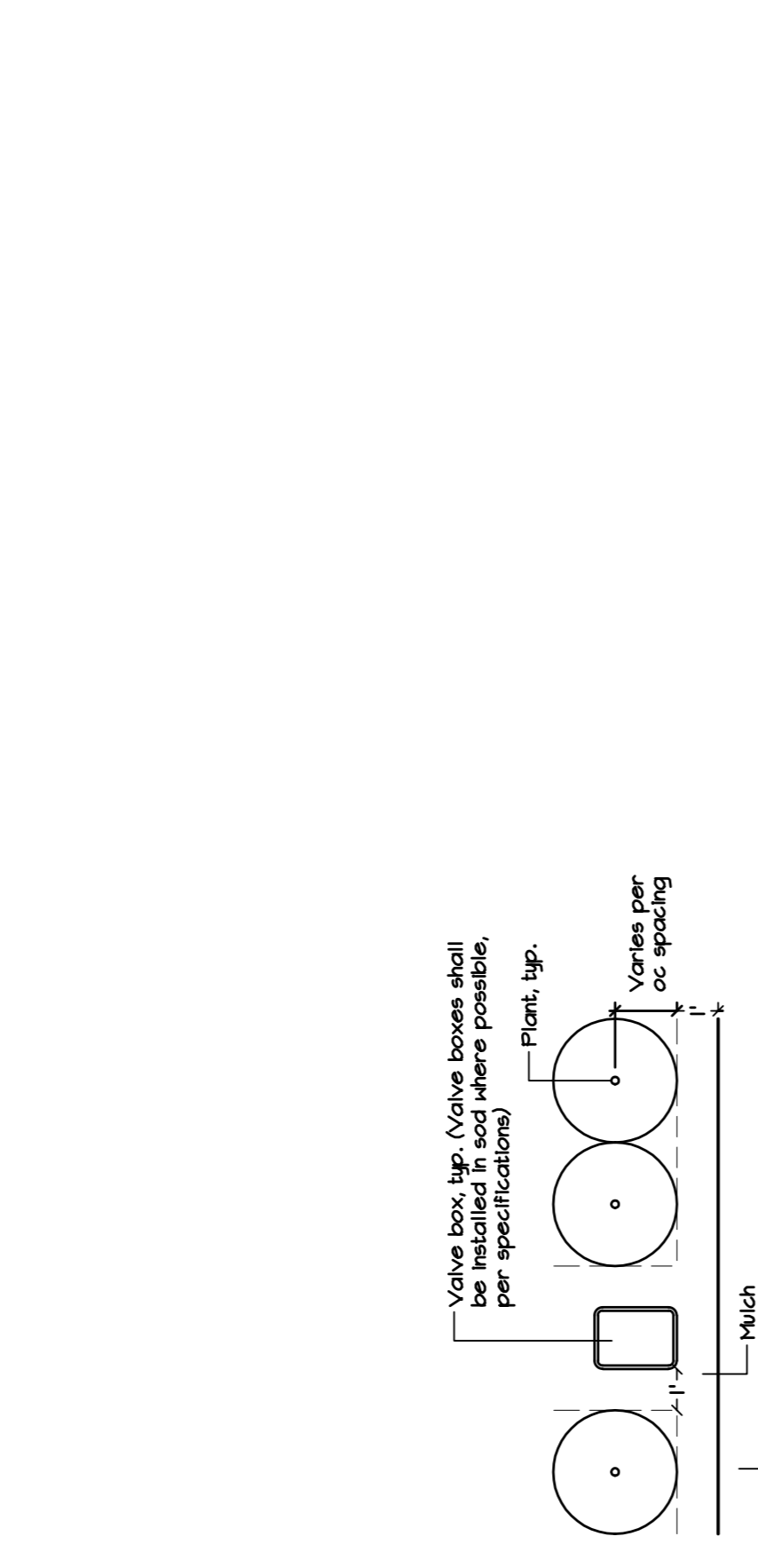
TREE INSTALLATION DETAIL



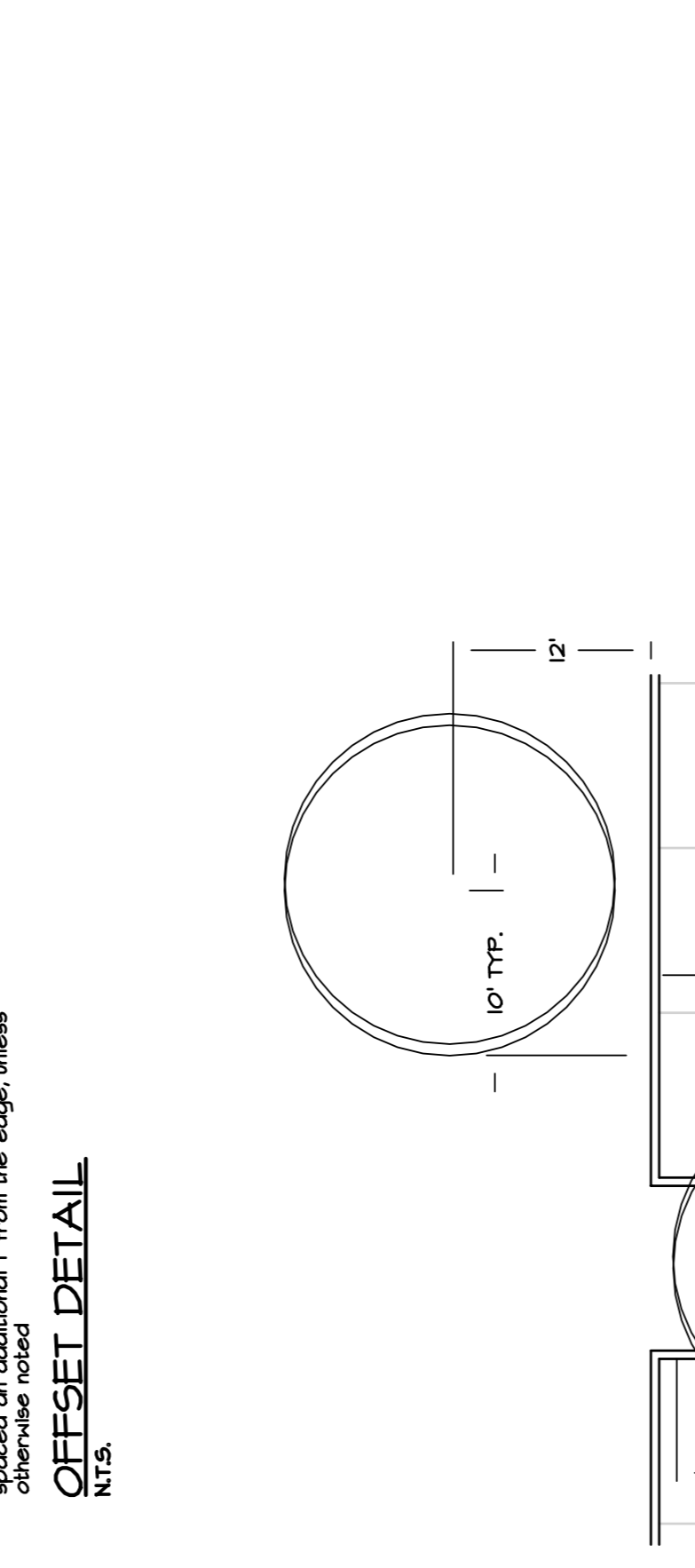
TREE INSTALLATION DETAIL



OFFSET DETAIL



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 Manual 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, whether or not they are stipulated in the bid documents.
 - Reporting and repairing any damage caused by the work or actions.
 - Maintaining the jobsite in a clean, professional, and workmanlike manner.
 - Adjustment 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 Plans and Specifications.
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