

Landscape Data

Site Perimeter Landscape Buffers:

A landscape strip at least 10' in depth, exclusive of curbing, shall be located along all sides of the right-of-way or abutting property. 1 tree per 30 LF along with a continuous hedge shall be required along all sides of the property. 1 shrub per 2 LF and shall be planted at least 24" in height.

Perimeter Buffer Along West Property - NW Enterprise Dr.

Trees Required: (275 LF / 30) = 9 Trees
 Trees Provided: = 17 Trees
 (12 Ex. Trees + 4 Trees @ 2:1 + 9 Palms @ 3:1)

Perimeter Buffer Along North Property

Trees Required: (270 LF / 30) = 9 Trees
 Trees Provided: = 13 Trees
 (7 Ex. Trees + 3 Trees + 2 Trees @ 2:1 + 6 Palms @ 3:1)

Perimeter Buffer Along East Property

Trees Required: (309 LF / 30) = 10 Trees
 Trees Provided: = 18 Trees
 (12 Ex. Trees + 3 Trees + 9 Palms @ 3:1)

Perimeter Buffer Along South Property

Trees Required: (280 LF / 30) = 9 Trees
 Trees Provided: = 9 Trees
 (1 Ex. Tree + 6 Trees + 2 Trees @ 2:1 + 3 Palms @ 3:1)

Parking lot Island Landscaping:

Each landscape island shall have at least (1) one tree with the remainder of the island landscaped with ground cover, mulch, shrubs or other treatment excluding paving.

1 Tree per Terminal / Landscape Island:

Trees Required: = 4 Trees
 Trees Provided: = 4 Trees
 * Interior islands and required trees (4) are to be provided elsewhere on site (2 Trees + 6 Palms @ 3:1)

Total Trees Required: = 41 Trees
 Total Trees Provided: = 62 Trees
 (32 Ex. Trees + 14 Trees + 10 Trees @ 2:1 + 33 Palms @ 3:1)

Tree Requirements (See Tree Schedule on Sheet LP-3)

Required Tree Species Mix:

Species Mix Required: = 5
 Species Mix Provided: = 5

Max. Palm Trees - No more than 50% of Required Trees:

Max. Palms Allowed: (41 Req. Trees x 50%) = 21 Trees
 Palm Provided: = 11 Trees
 (33 Palms @ 3:1)

Native Tree Requirement- 50% Min. of all Req. Trees:

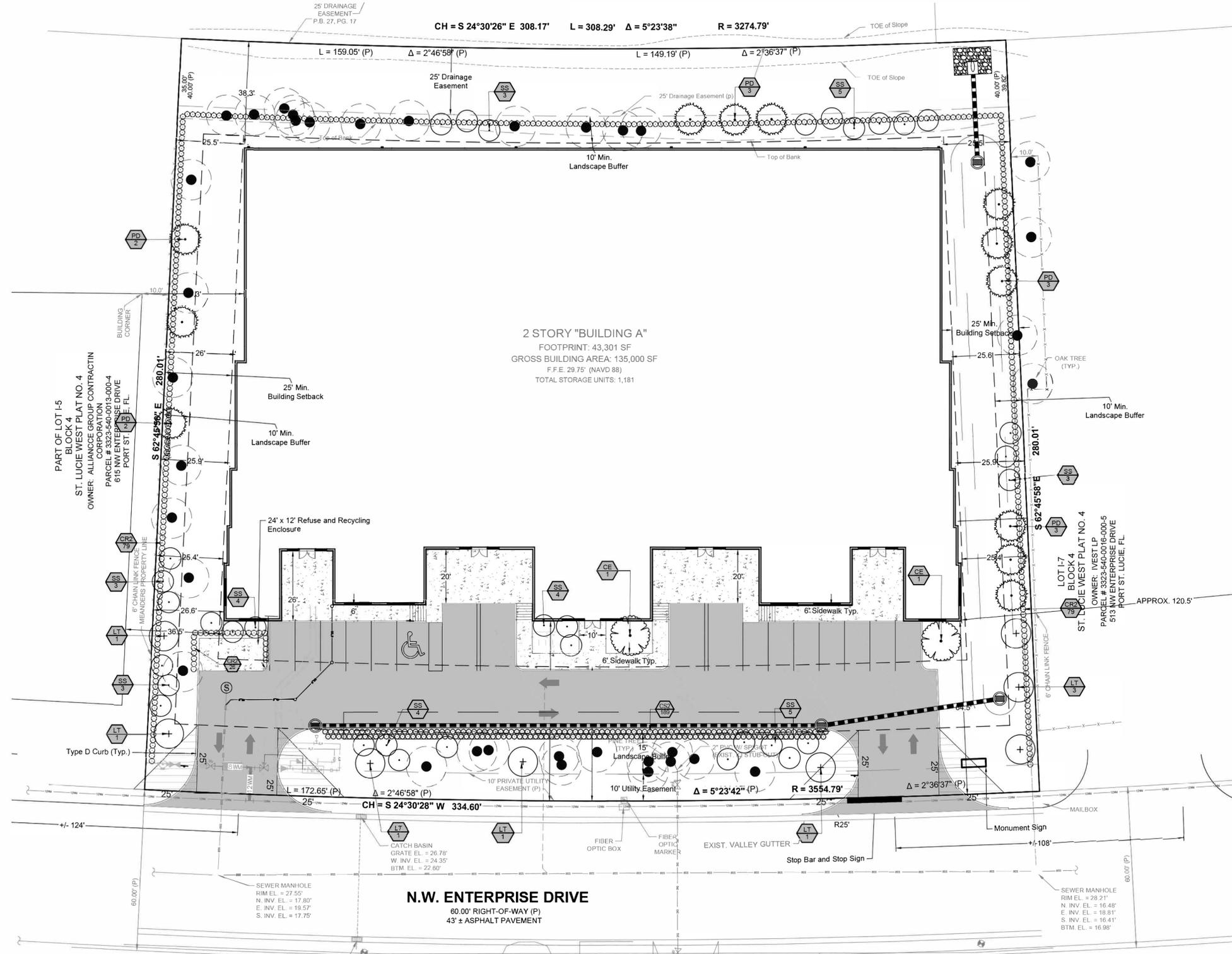
Native Trees Required: (41 Req. Trees x 50%) = 21 Trees
 Native Trees Provided: = 57 Trees
 (32 Ex. Trees + 14 Trees + 33 Palms @ 3:1)

Evergreen Shade Trees Requirement- 75% Min. within landscape Islands:

Shade Trees Required: (4 Req. Trees x 75%) = 3 Trees
 Shade Trees Provided: = 3 Trees

Flowering Trees Requirement- 20% Min. of all Required Trees:

Trees Required: (41 Req. Trees x 20%) = 8 Trees
 Trees Provided: = 10 Trees



Landscape Notes

- Landscape installed shall conform to or exceed the minimum standards for Florida Number 1, as provided in the most current edition of the Grades and Standards for Nursery Plants, Parts I and II, prepared by the state department of agriculture and consumer services.
- Trees shall have a min. of 12" ht., 5' crown spread and a 2.5" Cal. at time of planting. Trees used as street trees shall have a 5' clear trunk. Palms shall have a min. clear trunk of 10'. At least 50% of all required trees shall be native.
- Shrubs shall be a min. of 2' Ht. when measured immediately after planting.
- All landscaping shall be installed in a sound, workmanlike manner and according to accepted good planting practices with the quality of plant materials as hereinafter described.
- All balled and burlapped trees and palms shall be staked. Trees and palms shall be staked until the roots have become established for a period typically between 6 months and 1 year, or as specified by a landscape architect.
- No landscaping shall be planted in such a manner to adversely affect drainage or utility easements.
- No tree shall be planted within 10 feet of any existing utility pole, guy wire, or pad mounted transformer.
- All landscaping within Port St Lucie Utility Systems Department (PSLUSD) utility easements shall comply with PSLUSD technical specifications, policies, and codes.
- Trees shall not be planted within ten (10) feet of any utility.
- No landscaping other than sod grasses may be planted within a 5' radius maintenance area of any PSLUSD appurtenance such as water meters, backflow devices, fire hydrants, sanitary sewer cleanouts and manholes, air release valves, valve boxes, etc.
- All sodded and planted areas shall be provided with an irrigation systems except for Xeriscape areas. Xeriscape areas must have a readily available water supply to provide temporary irrigation until plantings are established.
- Pruning restrictions shall not apply for trees located under power lines. Trees shall be pruned only as necessary to promote healthy growth. Trees shall be allowed to attain their normal size and shall not be severely pruned or "hatracked" in order to permanently maintain growth at a reduced height. Trees may be periodically pruned or thinned in order to reduce leaf mass in preparation for tropical storms. All pruning shall be accomplished in accordance with the National Arborists Standards.
- Trees to be preserved shall be protected from construction damage. Protections should include barricades erected around the drip line, or other similar separation of the tree during the entire construction process.
- Trees of species whose roots are known to cause damage to public roadways, utilities, or other public works shall not be planted closer than 10 feet to those public works.
- In those instances where a tree(s) is planted closer than five (5) feet from a street, sidewalk, or structure, a root barrier(s) shall be installed. Root barriers for trees shall be installed along the edge of structure or paving or curb. The root barrier shall be a minimum of twenty-four (24) inches deep but depending of the size, location, and species of tree to be planted, a larger barrier may be required. The root barrier shall be installed with twenty (20) linear feet, centered from the trunk, for the large trees and fifteen (15) linear feet for smaller trees. All root barriers shall be linear.
- A hedge that is at least 24" in height when planted shall be planted around mechanical, electrical, and utility equipment except where access to the equipment is necessary.
- Trees shall not be planted within 10 feet of a PSLUSD main, appurtenance or underground infrastructure.
- No landscaping shall be planted in a manner that would adversely affect utility easements. Landscaping shall be in compliance with Chapter 153 of the City of Port St. Lucie Code of Ordinances, PSLUSD technical specifications and policies.
- All landscaping within City utility easements shall comply with PSLUSD technical specifications, policies, and codes.
- All landscaping shall meet the latest PSLUSD Landscape Policy and shall not be placed in a manner that would create conflicts with the intended operation and maintenance of any existing utility.
- No landscaping other than sod grasses shall be located within 5' of a PSLUSD appurtenance such as a water meter assembly, backflow device, fire hydrant or sewer cleanout.

Legend

- Existing Trees to be Preserved
- Proposed Light Pole Typ.

Scale: 1" = 20'

North

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 City of Port St. Lucie
Landscape Plan

Florida

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Job No. 2022-28
 Drawn By EB
 Checked By MH
 Approved By MH
 Submittal Dates 11-14-22

Revision Dates 01-27-23

LP-1

PSL Project #P22-261

Landscape Notes

1. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ADHERING TO ALL THE REQUIREMENTS STATED UNDER DIVISION 1 - GENERAL REQUIREMENTS AND CONDITIONS AS WELL AS THE SPECIFIC OUTLINE HEREIN AND ON THE LANDSCAPE DRAWINGS INCLUDING ADDENDA AS MAY BE ISSUED BY THE OWNER.

2. THE SCOPE OF WORK FOR THE LANDSCAPE CONTRACTOR FOR THIS PROJECT SHALL INCLUDE THE PROVISION OF ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO COMPLETE ALL TASKS ASSOCIATED WITH THE LANDSCAPE AND IRRIGATION INSTALLATION AS SHOWN ON THE DRAWINGS OR NOTED HEREIN. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE GENERAL CONTRACTOR AS TO REASONABLE ACCESS TO POWER AND POTABLE WATER SOURCES AS REQUIRED.

3. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING ALL WORK (INCLUDING DELIVERY, STORAGE AND DISPOSAL OF THEIR MATERIALS) IS PERFORMED IN COMPLIANCE WITH APPLICABLE JURISDICTIONAL CODES. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS ASSOCIATED WITH THE WORK.

4. THE LANDSCAPE CONTRACTOR SHALL ASSIGN A QUALIFIED PROJECT MANAGER AND FIELD SUPERVISOR TO WORK DIRECTLY WITH THE LANDSCAPE ARCHITECT AND SUPERVISOR AT ALL TIMES THROUGH FINAL OWNER ACCEPTANCE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT PROJECT MANAGER HAS A COMPLETE, CURRENT SET OF DOCUMENTS ON-SITE AT ALL TIMES.

5. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH EXISTING SITE CONDITIONS AND NOTIFYING THE OWNER IN WRITING OF ANY CONCERNS PRIOR TO COMMENCEMENT OF WORK. THIS EVALUATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, VERIFICATION OF SURFACE AND SUBSURFACE UTILITIES, GRADES, DIMENSIONS AND SOIL CONDITIONS.

6. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH PROJECT PLANS AND SCOPES OF WORK RELATED TO ASSOCIATED TRADES TO BE PERFORMED BY OTHERS IN ORDER TO IDENTIFY KEY COORDINATION ITEMS INCLUDING, BUT NOT LIMITED TO, SITE ACCESS, MATERIAL STORAGE, SCHEDULING AND SEQUENCING OF WORK. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL SITE ISSUES WITH THE GENERAL CONTRACTOR.

7. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ADJACENT WORKS AND EQUIPMENT FROM DAMAGE DUE TO THEIR ACTIVITIES. THE LANDSCAPE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR ANY DAMAGE OR INJURY TO PERSON OR PROPERTY THAT MAY OCCUR AS A RESULT OF THE EXECUTION OF THEIR WORK.

8. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE AREA, MATERIALS AND EQUIPMENT WITHIN THE LIMITS OF WORK IN A SAFE, NEAT AND ORDERLY MANNER. EXCESS MATERIALS AND DEBRIS ARE TO BE REMOVED FROM THE WORK AREA NO LESS THAN WEEKLY OR AS DIRECTED BY THE GENERAL CONTRACTOR.

9. THE LANDSCAPE CONTRACTOR MUST TAKE PRECAUTIONS TO PROTECT ALL EXISTING SITE ROADS, PARKING LOTS, CURBS AND UTILITIES FROM DAMAGE. THIS APPLIES NOT ONLY TO THE AREA WITHIN THE LIMITS OF WORK BUT ALSO ALONG ANY LOCAL ACCESS ROADS.

10. THE LANDSCAPE CONTRACTOR SHALL PROVIDE ALL NECESSARY SAFETY MEASURES DURING CONSTRUCTION OPERATIONS TO PROTECT THE PUBLIC ACCORDING TO ALL APPLICABLE CODES AND RECOGNIZED LOCAL PRACTICES.

11. THE LANDSCAPE CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR TO ENSURE THAT ALL EROSION CONTROL AND SEDIMENTATION CONTROL MEASURES (SILT FENCE, ORANGE GEO FENCE AND/OR OTHER MEASURES) ARE INSTALLED PRIOR TO BEGINNING EXCAVATION.

12. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL PLANT MATERIALS AND THE PLANTING AREAS UNTIL FINAL ACCEPTANCE BY THE OWNER.

13. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR THE AGRONOMIC EVALUATION OF SOIL CHARACTERISTICS. EVALUATION MUST INCLUDE CHEMICAL ANALYSIS BY A QUALIFIED AGRICULTURAL SOILS TESTING LABORATORY (CERTIFIED IN THE STATE OF FLORIDA). SOILS SAMPLE SHOULD BE TAKEN IMMEDIATELY FOLLOWING COMPLETION OF ROUGH GRADING ACTIVITIES AND SHOULD BE COLLECTED AT A RATE ON ONE SAMPLE FOR EACH 5,000 SQUARE FEET OF IMPACTED AREA, OR A TOTAL OF SIX, WHICHEVER IS GREATER. AT A MINIMUM THE CHEMICAL ANALYSIS OF THE SOIL SHOULD CONSIDER THE FOLLOWING:

- A. PERCENTAGE OF ORGANIC MATTER
- B. SALINITY
- C. PH
- D. LIME CONTENT
- E. MINERAL NUTRIENTS INCLUDING CONCENTRATIONS OF NITROGEN, PHOSPHORUS, POTASSIUM, CALCIUM, MAGNESIUM, IRON, ZINC, MANGANESE, COPPER, SULFUR, AND MOLYBDENUM.
- F. POTENTIAL HAZARDS OR IMPEDIMENTS FOR PLANT GROWTH INCLUDING SALINITY, SODIUM CHLORIDE, BORON, IMPAIRED SOIL STRUCTURE OR DRAINAGE.
- F. SAND FRACTION ANALYSIS AS A PERCENTAGE PASSING THROUGH 1/2, 1, AND NO. 200 SIEVES
- H. PERCOLATION RATE IN INCHES PER HOUR.

THE ANALYSIS SHOULD ALSO INCLUDE SPECIFIC RECOMMENDATIONS TO THE OWNER FOR ANY AMENDMENTS AND BACKFILL MIXES FOR OPTIMAL PLANT GROWTH TO BE MADE TO THE SOILS PRIOR TO PLANTING. THE CONTRACTOR SHOULD INCLUDE THE COST FOR SOIL AMENDMENTS. THE CONTRACTOR IS TO PROVIDE THE OWNER WITH COPIES OF ALL SOIL TESTING RESULTS. SUBMITTAL DOCUMENTATION MUST ALSO CONTAIN A GRAPHIC SITE PLAN IDENTIFYING LOCATIONS FROM WHICH EACH SAMPLE WAS DRAWN.

14. THE LANDSCAPE CONTRACTORS BASE BID FOR SOIL PREPARATION IS TO INCLUDE THE FOLLOWING WITH THE UNDERSTANDING THAT MIX DESIGN MAY NEED TO BE ADJUSTED BASED ON OUTCOME OF AGRONOMIC TESTING.

- A. TREES: 100% SITE SOIL WITH 5LB. TRIPLE SUPER PHOSPHATE PER CU. YD.
- B. SHRUBS: 100% SITE SOIL WITH OSMOCOTE CONTROLLER RELEASE FERTILIZER (14-14-14) PER MANUFACTURER'S RECOMMENDATION.
- C. THE SOILS TEST RESULTS TAKE PRECEDENCE OVER THE ITEMS NOTED IN A AND B ABOVE.

15. SHOULD OWNER AND LANDSCAPE CONTRACTOR AGREE WITH THE RECOMMENDATION OF THE TESTING AGENCY TO FURTHER AMEND THE SOILS THE CONTRACTOR'S CONTRACT WILL BE ADJUSTED ACCORDINGLY. THE CONTRACTOR SHALL BE REQUIRED TO SUBMIT SAMPLES OF AMENDED SOILS TO BE RE-TESTED TO CONFIRM COMPLIANCE WITH RECOMMENDATIONS FOLLOWING THE SAME PROCEDURES AS THE ORIGINAL TESTS.

16. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE QUANTITIES OF EACH PLANT MATERIAL REQUIRED TO ADEQUATELY COVER THE AREA SHOWN ON THE LANDSCAPE PLANS AT THE PRESCRIBED SPACING AND NOTIFYING THE OWNER IMMEDIATELY OF ANY PERCEIVED DISCREPANCIES FOR RESOLUTION. THE PLANT SPACING CONTROLS BED LAYOUT, NOT THE PLAN QUANTITY FOR THAT PARTICULAR BED.

FINE GRADING NOTES

1. FINISHED GRADE IN PLANTING AREAS SHALL BE HELD 3" BELOW THE FINISHED ELEVATIONS SHOWN FOR ALL ADJACENT HARDSCAPE SURFACES.
2. ALL FILL REQUIRED SHALL BE CLEAN, WELL DRAINING SOIL. FILL SHALL BE CLEAN AND FREE OF ALL MATTER, HARMFUL TO PLANT GROWTH AND DELETERIOUS MATERIAL, SUCH AS ROCKS (LARGER THAN 2" DIA.), COMPACTED CLAY, ROADBED OR SURFACING MATERIAL, MUCK, ROOTS AND BRANCHES, ETC.
3. THE LANDSCAPE CONTRACTOR IS TO ENSURE THAT THEIR WORK DOES NOT ADVERSELY IMPACT ESTABLISHED OR PROJECTED DRAINAGE PATTERNS.

INSTALLATION NOTES

1. PLANT AND LANDSCAPE MATERIALS SHALL CONFORM TO THE STANDARDS FOR FLORIDA NO. 1, AS GIVEN IN THE GRADES AND STANDARDS FOR NURSERY PLANTS, PARTS I & II, AS PREPARED BY THE FLORIDA DEPT. OF AGRICULTURE AND CONSUMER SERVICES.
2. A 3" THICK LAYER OF ORGANIC NON-CYPRESS MULCH SHALL BE APPLIED TO ALL LANDSCAPE AND PLANTING AREAS.
3. ALL EXOTIC VEGETATION TO BE REMOVED FROM THE SITE PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
4. THIS PLAN HAS BEEN DESIGNED TO MEET WITH THE TREE PLANTING REQUIREMENTS CONTAINED WITHIN THE PL DOCUMENT ENTITLED "PLANT THE RIGHT TREE IN THE RIGHT PLACE."
5. FOR EXISTING OR PROPOSED UTILITIES, NO TREE SHALL BE PLANTED WHERE IT COULD, AT MATURE HEIGHT, CONFLICT WITH OVERHEAD POWER LINES. LARGE TREES [HEIGHT AT MATURITY OF MORE THAN THIRTY (30) FEET] SHALL BE PLANTED NO CLOSER THAN A HORIZONTAL DISTANCE OF THIRTY (30) FEET FROM THE NEAREST OVERHEAD POWER LINE. MEDIUM HEIGHT TREE [HEIGHT AT MATURITY BETWEEN TWENTY (20) AND THIRTY (30) FEET] SHALL BE OFFSET AT LEAST TWENTY (20) FEET AND SMALL TREES [HEIGHT AT MATURITY OF LESS THAN (20) FEET] REQUIRE NO OFFSET.
6. NO TREE, SHRUBS, HEDGES OR VINES SHALL BE PLANTED WITHIN FIVE (5) FEET OF ANY EXISTING OR PROPOSED UTILITY POLE. GUY WIRE OR PAD MOUNTED TRANSFORMER. PALMS SHOULD BE PLANTED AT A DISTANCE EQUAL TO OR GREATER THAN THE AVERAGE FRONT LENGTH PLUS TWO (2) FEET FROM POWER LINES.
7. WETLAND BUFFERS, BUFFER PROTECTION AREAS, AND UPLAND PRESERVE AREAS SHALL BE PROTECTED FROM EXCAVATION, CONSTRUCTION, AND OTHER BUILDING MAINTENANCE ACTIVITIES.
8. TREES TO REMAIN DURING CONSTRUCTION SHALL BE PROTECTED AND BARRICADED. SEE TREE PROTECTION NOTE.
9. FERTILIZER SHALL BE COMPLETE WITH APPROXIMATELY THE FOLLOWING RATIO: 3N-1P-3K (+1MG FOR PALMS ONLY)
10. TREES AND PALMS ARE TO BE PLANTED IN ACCORDANCE TO LANDSCAPE PLAN. GOOD HORTICULTURAL PRACTICES MUST BE OBSERVED.
11. TREES AND PALMS ARE TO BE PLANTED IN THE RIGHT-OF-WAY (ROW) AT A MINIMUM OF FOUR (4) FEET FROM BACK OF CURB AT LOCATIONS IDENTIFIED ON THE LANDSCAPE PLAN. AWARDED BIDDER SHALL STAKE AND/OR PAINT PLANTING LOCATIONS IN THE FIELD. UPON APPROVAL BY THE CUSTOMER, THESE AREAS SHALL BE SPRAYED WITH AN APPROVED HERBICIDE AND MAINTAINED WEED-FREE FOR THE DURATION OF THE PROJECT.
12. EXCAVATE PLANTING HOLES WITH VERTICAL SIDES. DO NOT DISTURB SOIL AT BOTTOM OF PLANTING HOLES. MAKE EXCAVATIONS TWICE AS WIDE AS THE ROOT BALL DIAMETER AND SLIGHTLY LESS (TWO INCHES) THAN THE DISTANCE BETWEEN THE TOP-MOST ROOT IN THE ROOT BALL AND THE BOTTOM OF THE ROOT BALL. ALTERNATIVELY, EXCAVATE THE HOLE SLIGHTLY WIDER THAN THE ROOT BALL AND PLACE THE ROOT BALL IN THE HOLE SO THE TOP-MOST ROOT IS EVEN WITH OR SLIGHTLY (2 INCHES) HIGHER THAN THE SURROUNDING LANDSCAPE GRADE. THEN LOOSEN THE SURROUNDING SOIL TO A DIAMETER EQUAL TO TWICE THE DIAMETER OF THE ROOT BALL. FINALLY, PUSH THE LOOSENED SOIL TOWARD THE ROOT BALL TO FILL THE HOLE.

IF WATER FILLS THE BOTTOM OF THE PLANTING HOLE, ADD SOIL TO THE BOTTOM OF THE HOLE UNTIL THE WATER IS COVERED. PACK THIS ADDED SOIL FIRMLY. PLACE THE ROOT BALL ON THIS PACKED, SOLID SOIL, NOT IN WATER. NO PART OF THE ROOT BALL SHALL BE PLACED IN WATER. IF NECESSARY, BRING IN SOIL SIMILAR TO SITE SOIL TO COVER THE SIDES OF THE ROOT BALL, CREATING A RAISED MOUND. THE BASE OF THE MOUND (I.E. THE OUTER DIAMETER) CREATED SHALL BE AT LEAST SIX TIMES THE DIAMETER OF THE ROOT BALL.

WHEN PLANTING ON A SLOPE, THE TOP-MOST MAIN ROOT IN THE ROOT BALL SHALL BE EVEN WITH THE GRADE ON THE UPHILL SIDE OF THE TREE. SITE SOIL SHALL BE DUMPED ON THE DOWNHILL SIDE TO COVER THE SIDES OF THE ROOT BALL AND TO CONSTRUCT THE SOIL BERM TO HOLD WATER. THE AMOUNT OF SOIL ADDED ON THE DOWNHILL SIDE WILL DEPEND ON THE SLOPE AND SIZE OF THE ROOT BALL.

REMOVE ALL WOOD, PLASTIC, OR GRO-BAGS FROM THE ROOT BALL. SET PLANTS IN CENTER OF HOLES WITH THE TOP-MOST ROOT IN THE ROOT BALL AT THE SAME HEIGHT OR SLIGHTLY (2 INCHES) HIGHER THAN FINISHED LANDSCAPE GRADES AND PLUMB THE TREE SO THE TRUNK IS VERTICAL. BACKFILL FIELD SOIL AROUND SIDES OF ROOT MASS AND WORK EACH LAYER TO SETTLE AND ELIMINATE VOIDS AND AIR POCKETS. MATERIAL MUST BE WATERED IN AS PLANTED. PROVIDE APPROXIMATELY 5 GALLONS OF WATER PER INCH OF TRUNK CALIPER TO THE ROOT BALL ONCE ALL BACKFILL IS FILLED IN AROUND THE ROOT BALL.

PROVIDE A 2-3" HIGH SOIL BERM AROUND THE EDGE OF ROOT BALL TO FORM A SHALLOW SAUCER TO COLLECT WATER. THE WATERING SAUCER, REGARDLESS OF HOLE SIZE, IS TO BE AT EDGE OF ROOT BALL. ALTERNATIVELY, COBRA EDGING IS TO BE INSTALLED AT THE EDGE OF THE ROOT BALL.

16. APPLY A CONTROLLED-RELEASE FERTILIZER TO THE SOIL SURFACE UNDER THE MULCH AT 1LB. NITROGEN PER 1000 FT2. PRIOR TO MULCHING. NO OTHER AMENDMENTS ARE NECESSARY.
17. ON TREES UP TO 4" CALIPER, APPLY A THREE (3)-INCH LAYER OF MULCH TO AN EIGHT (8)-FOOT DIAMETER CIRCULAR AREA AROUND THE TRUNK. ON LARGER CALIPER TREES, APPLY A TWO (2)-FOOT DIAMETER MULCH AREA FOR EACH INCH OF TRUNK CALIPER. NO MULCH SHALL BE APPLIED TO THE INNER HALF OF THE ROOT BALL SURFACE.
18. TREES AND PALMS ARE TO BE SECURED BY AWARDED BIDDER AS SHOWN IN EXHIBITS A-C. (NOTE: STAKING IS OPTIONAL FOR MORE PROTECTED LOCATIONS).
19. A REPRESENTATIVE WILL INSPECT TREES AND PALMS DURING INSTALLATION. MATERIAL THAT IS IN SHOCK OR HAS BEEN DAMAGED DURING INSTALLATION SHALL BE REPLACED BY AWARDED BIDDER WITHIN FIVE (5) WORKING DAYS FROM NOTIFICATION.
20. REMOVE FROM WORK SITE ALL EXCESS MATERIALS (E.G., SOIL, DEBRIS AND EQUIPMENT) DAILY THROUGH DURATION OF PROJECT. DAMAGES RESULTING FROM INSTALLATION SHALL BE REPAIRED BY AWARDED BIDDER.
21. PRUNING: IF THERE IS A DOUBLE LEADER IN THE TOP HALF OF THE TREE, SHORTEN ONE, BY ABOUT ONE-HALF, BACK TO A LIVE BRANCH THAT POINTS AWAY FROM THE TREE AND IS AT LEAST ONE-THIRD THE DIAMETER OF THE CUT LEADER. REMOVE BROKEN PORTIONS OF DAMAGED BRANCHES BACK TO A LIVE LATERAL BRANCH.

21. PRUNING: IF THERE IS A DOUBLE LEADER IN THE TOP HALF OF THE TREE, SHORTEN ONE, BY ABOUT ONE-HALF, BACK TO A LIVE BRANCH THAT POINTS AWAY FROM THE TREE AND IS AT LEAST ONE-THIRD THE DIAMETER OF THE CUT LEADER. REMOVE BROKEN PORTIONS OF DAMAGED BRANCHES BACK TO A LIVE LATERAL BRANCH.
22. REMOVE ALL STRING OR WIRE WRAPPED AROUND THE TRUNK. REMOVE ALL STRAPS, ROPE AND STRING USED TO LIFT THE ROOT BALL. REMOVE ALL BURLAP AND WIRE FROM THE TOP OF THE ROOT BALL.

SOIL NOTES

1. OFF-SITE TOPSOIL SHALL BE NATURAL, FERTILE FRIABLE LOAM OR SANDY LOAM AS CLASSIFIED BY THE U.S. DEPARTMENT OF AGRICULTURE SOIL CLASSIFICATION SYSTEM. THE SOIL SHALL CONTAIN NOT LESS THAN 3 PERCENT OR MORE THAN 8 PERCENT BY WEIGHT OF DECAYED ORGANIC MATTER (HUMUS) AS DETERMINED BY ASTM F-1647. THE TOPSOIL SHALL BE FREE OF STONES 1 INCH (25 MILLIMETERS) OR LARGER AND OTHER EXTRANEUS MATERIALS HARMFUL TO PLANT GROWTH. TOPSOIL SHALL NOT HAVE A PH OF LESS THAN 6.0 OR GREATER THAN 7.5, AND SHALL NOT BE DELIVERED OR USED FOR PLANTING WHILE IN A FROZEN OR MUDDY CONDITION.

IF ORGANIC AMENDMENTS ARE NEEDED TO OBTAIN THE SPECIFIC ORGANIC MATTER CONTENT OF THE TOPSOIL, THE ORGANIC MATTER SOURCE MAY BE A PEAT OR COMPOST MATERIAL. THE PEAT SHALL BE SPHAGNUM PEAT HAVING AN ASH CONTENT NOT EXCEEDING 15 PERCENT, AS DETERMINED BY ASTM D-2974. COMPOSTS MAY BE USED PROVIDED THAT THE MATERIAL HAS AN ASH CONTENT NOT EXCEEDING 40 PERCENT.

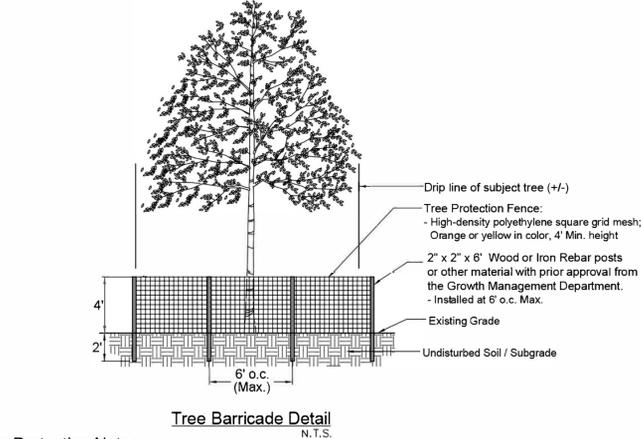
ACCEPTANCE NOTES

1. INSPECTION TO DETERMINE ACCEPTANCE OF PLANTED AREAS WILL BE MADE BY THE CUSTOMER REPRESENTATIVE UPON AWARDED BIDDER'S REQUEST. PROVIDE NOTIFICATION A MINIMUM OF FIVE (5) WORKING DAYS BEFORE REQUESTED INSPECTION DATE.

PLANTED AREAS WILL BE ACCEPTED PROVIDED ALL REQUIREMENTS, INCLUDING MAINTENANCE, HAVE BEEN SATISFIED AND PLANT MATERIALS ARE IN A HEALTHY, VIGOROUS CONDITION.

2. THE CUSTOMER REPRESENTATIVE WILL PREPARE A "PUNCH LIST" OF THOSE ITEMS, WHICH MUST BE CORRECTED BEFORE RE-INSPECTION FOR FINAL ACCEPTANCE. THE REPRESENTATIVE WILL DETERMINE AN APPROPRIATE TIME PERIOD FOR CORRECTIONS. AWARDED BIDDER MUST REQUEST RE-INSPECTION TWO (2) WORKING DAYS IN ADVANCE.

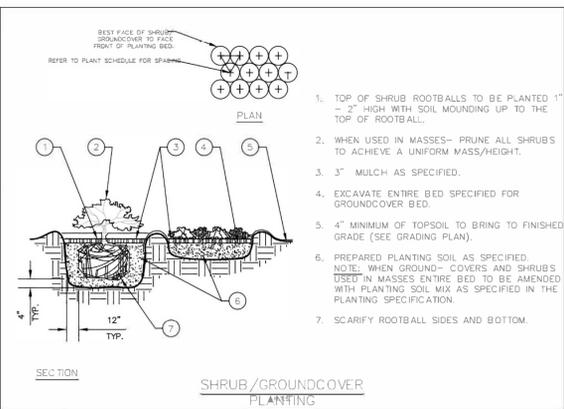
Tree Protection / Barricade Detail



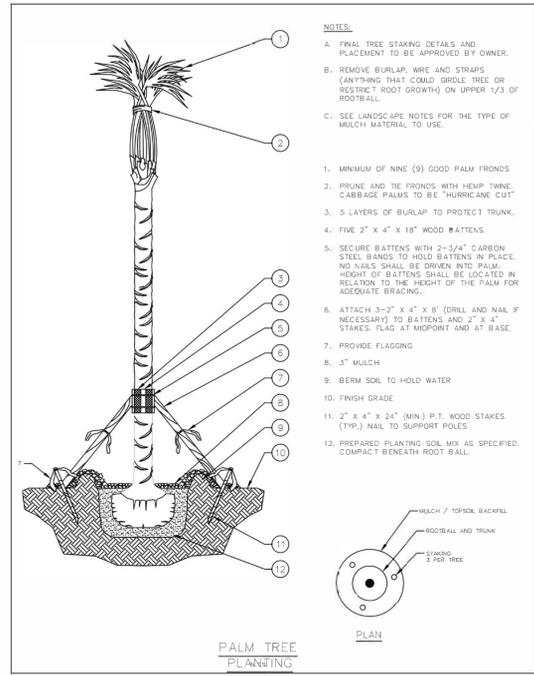
Tree Barricade Detail N.T.S.

Tree Protection Notes

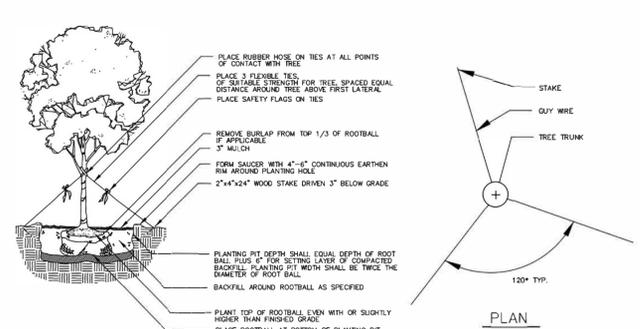
1. Existing trees that are to be preserved shall be barricaded according to Martin County regulations.
2. Tree Protection Barricades shall be erected prior to the commencement of any work. All barricades must be maintained intact for the duration of construction.
3. Barricades must be constructed around the critical protection zone of each tree or cluster of trees.
4. During periods of development and construction, the areas within the drip-line of preserved trees shall be maintained at their original grade with pervious landscape material. Within these areas, there shall be:
 - A. No trenching or cutting of roots
 - B. No fill, compaction or removal of soil; and
 - C. No use of concrete, paint, chemicals or other foreign substances
5. Barricades shall be constructed of a yellow or orange high density polyethylene square grid mesh fence with a min. height of 4 feet. Fencing shall be secured to posts with nylon cable ties at the top middle and bottom of each post. Posts shall be a 2" x 2" x 6' wood or iron rebar or other material with prior approval from Martin County's Growth Management Department. Posts shall be spaced a max. of 6' o.c.



SHRUB/GROUND COVER PLANTING



PALM TREE PLANTING



TREE PLANTING DETAIL N.T.S.

Native Tree Requirement

Total Code Required Trees	41 Trees
Native Trees Required (50% of Req. Trees)	21 Trees (50%)
Native Trees Provided	57 Trees (100%) (32 Ea. Trees + 14 Trees + 33 Plants @ 3:1)

Native Shrub Requirement

Total Code Required Shrubs	566 Shrubs
Native Shrubs Required (25% of Req. Shrubs)	135 Shrubs (25%)
Native Shrubs Provided	373 Shrubs (65%)

PLANT SCHEDULE

TREES	CODE	QTY	COMMON / BOTANICAL NAME	SIZE	NATIVE
	CE	2	Green Buttonwood / <i>Conocarpus erectus</i>	3" Cal Min., 12'-13' HT x 5'-6" Spr., Std., 5'-6' ct.	Yes
	LT	8	Crape Myrtle Coral Pink / <i>Lagerstroemia tauriei</i> 'Tuscarora' Type B Tree - Ratio 2:1	3" Cal Min., 12'-13' HT x 5'-6" Spr., Std., 5'-6' ct.	No
	PD	12	Slash Pine / <i>Pinus elliotti</i> 'Densa'	3" Cal Min., 12'-13' HT x 5'-6" Spr., Std., 5'-6' ct.	Yes
PALM TREES	CODE	QTY	COMMON / BOTANICAL NAME	SIZE	NATIVE
	SS	33	Cabbage Palm / <i>Sabal palmetto</i> Ratio 3:1	Groups of Three: (1), 12' @ CT (1) 15' @ CT, (1) @ 18' CT	Yes

PLANT SCHEDULE

HEDGE	QTY	COMMON / BOTANICAL NAME	SIZE	NATIVE	SPACING
CR2	184	Red Tip Cocoplum / <i>Chrysobalanus icaco</i> 'Red Tip'	3 Gal., 24" Ht. Min.	Yes	24" o.c.
CS	239	Small Leaf Clusia / <i>Clusia guttifera</i>	3 Gal., 24" Ht. Min.	No	24" o.c.
CS2	189	Silver Buttonwood / <i>Conocarpus erectus</i> 'Sericeus'	3 Gal., 24" Ht. Min.	Yes	24" o.c.



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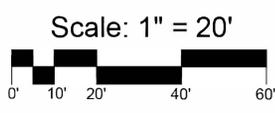
City of Port St. Lucie
Landscape Specifications

Florida



Job No. 2022-28
Drawn By EB
Checked By MH
Approved By MH
Submittal Dates 11-14-22

Revision Dates 01-27-23



LP-2

PSL Project #P22-261