



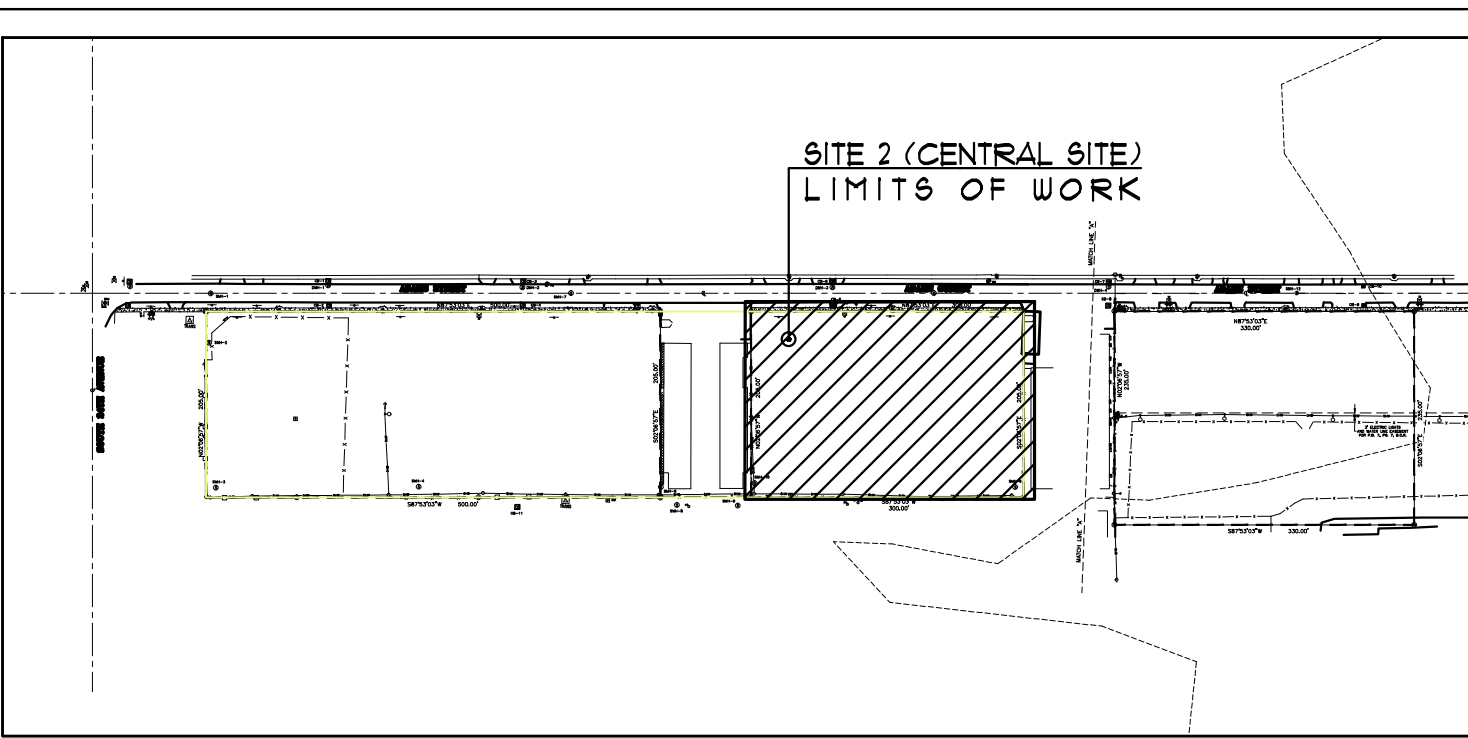
EXISTING TREE MITIGATION CHART   SITE 2 (CENTRAL SITE)							
#	BOTANICAL NAME	COMMON NAME	HT. (FT)	WID. (FT)	DBH (IN)	DISPOSITION	REMARKS
29	Sabal palmetto	CABBAGE PALM	18	30	14	REMAIN	POSSIBLE FPL CONFLICT
30	Bursera simaruba	GUMBO LIMBO	16	10	5	REMOVE	POOR SPECIMEN; CONFLICT WITH FPL
31	Cocos nucifera	COCONUT PALM	15	20	6	REMAIN	
32	Cocos nucifera	COCONUT PALM	15	20	6	REMAIN	
33	Quercus virginiana	LIVE OAK	25	20	10	RELOCATE	RELOCATE WITHIN ROW
34	Quercus virginiana	LIVE OAK	20	25	6	REMAIN	
35	Cocos nucifera	COCONUT PALM	28	25	12	REMAIN	
36	Syagrus romanzoffiana	QUEEN PALM	10	10	5	REMOVE	POOR SPECIMEN; CONFLICT WITH CONSTRUCTION ENVELOPE
37	Bursera simaruba	GUMBO LIMBO	16	15	10	RELOCATE	
38	Mangifera indica	MANGO	25	30	24	REMOVE	LOCATED WITHIN CONSTRUCTION ENVELOPE
39	Sabal palmetto	CABBAGE PALM	18	20	16	REMAIN	POSSIBLE FPL CONFLICT
40	Sabal palmetto	CABBAGE PALM	18	20	14	REMAIN	POSSIBLE FPL CONFLICT
41	Pinus elliotii	SLASH PINE	45	25	24	REMAIN	
42	Mangifera indica	MANGO	30	30	24	REMOVE	
43	Pinus elliotii	SLASH PINE	40	30	18	REMAIN	
44	Quercus virginiana	LIVE OAK	45	60	48	REMAIN	
45	Tabebuia heterophylla	PINK TRUMPET TREE	15	15	4	REMOVE	POOR SPECIMEN; CONFLICT WITH CONSTRUCTION ENVELOPE
46	Araucaria heterophylla	NORFOLK ISLAND PINE	30	20	16	REMOVE	INVASIVE SPECIES
47	Tabebuia heterophylla	PINK TRUMPET TREE	15	15	5	REMOVE	POOR SPECIMEN; CONFLICT WITH CONSTRUCTION ENVELOPE
48	Tabebuia heterophylla	PINK TRUMPET TREE	12	10	6	REMOVE	POOR SPECIMEN; CONFLICT WITH CONSTRUCTION ENVELOPE
49	Tabebuia heterophylla	PINK TRUMPET TREE	15	15	6	REMOVE	POOR SPECIMEN; CONFLICT
50	Bursera simaruba	GUMBO LIMBO	15	15	12	RELOCATE	
51	Quercus virginiana	LIVE OAK	20	25	10	RELOCATE	RELOCATE WITHIN ROW
52	Ficus spp.	FICUS	15	10	5	REMAIN	
53	Bursera simaruba	GUMBO LIMBO	18	15	10	REMAIN	
54	Bursera simaruba	GUMBO LIMBO	12	15	6	REMAIN	POSSIBLE FPL CONFLICT
55	Cupaniopsis anacardioides	CARROTWOOD	18	30	10	REMOVE	INVASIVE SPECIES
56	Cupaniopsis anacardioides	CARROTWOOD	18	30	6	REMOVE	INVASIVE SPECIES

EXISTING TREE DISPOSITION SUMMARY   SITE 2 (CENTRAL SITE)	
a. TOTAL # OF EXISTING TREES TO REMAIN	7
b. TOTAL # OF EXISTING PALMS TO REMAIN	6
c. TOTAL # OF EXISTING TREES TO RELOCATE	3
d. TOTAL # OF EXISTING PALMS TO RELOCATE	0
e. TOTAL # OF EXISTING TREES TO REMOVE	8
f. TOTAL # OF EXISTING PALMS TO REMOVE	1
<b>TOTAL SF OF EXISTING TREES + PALMS CANOPY TO MITIGATE</b>	<b>2355 SF</b>

SITE 2 (CENTRAL SITE) - MITIGATION CHART & SUMMATION TABLE

**TREE DEMOLITION NOTE:**

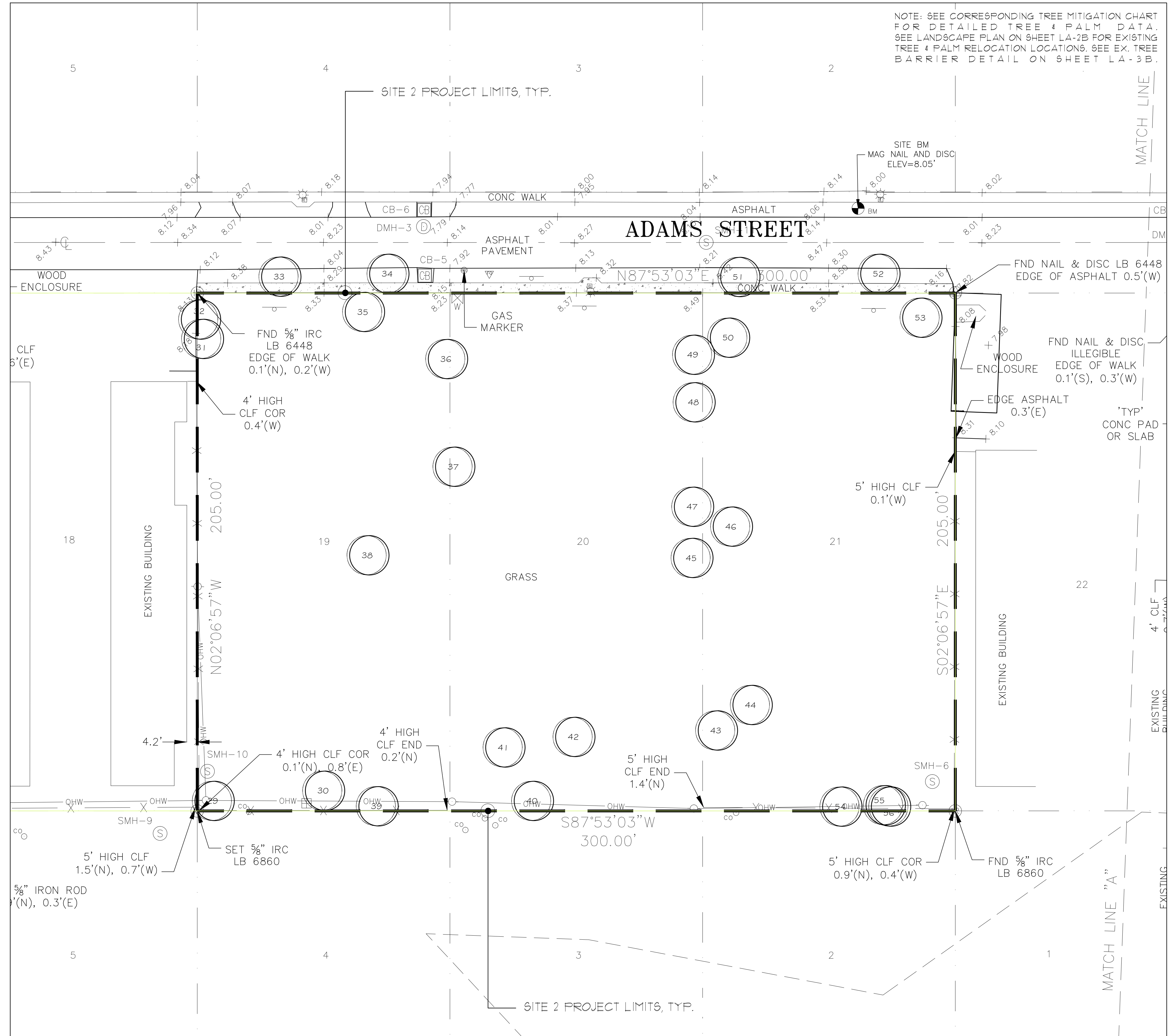
1. THE CONTRACTOR SHALL CALL FOR AND ATTEND AN INSPECTION OF EXISTING CONDITIONS BY THE OWNER PRIOR TO COMMENCING WORK. THE CONTRACTOR WILL PREPARE A REPORT OF EXISTING CONDITIONS AS A MATTER OF RECORD, TO INCLUDE PHOTOGRAPHS. THE CONTRACTOR WILL ACCEPT THE EXISTING CONDITIONS AS A REFERENCE POINT FOR CONDITION OF THE SITE. EXISTING CONDITIONS WILL THEN BECOME THE RESPONSIBILITY TO KEEP INTACT.



SITE 2 (CENTRAL SITE) - PROJECT LOCATION & LIMITS OF WORK

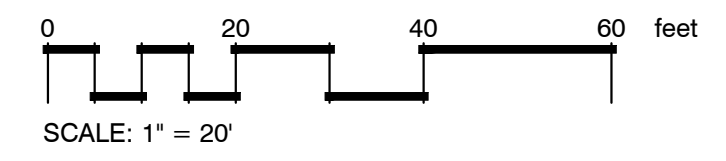


**MITIGATION REPLACEMENT TREE:**  
 \* SEE SHEET LA-2B FOR EXACT LOCATION OF REPLACEMENT TREES.



SITE 2 (CENTRAL SITE) - EXISTING TREE PLAN

NOTE: SEE CORRESPONDING TREE MITIGATION CHART FOR DETAILED TREE & PALM DATA. SEE LANDSCAPE PLAN ON SHEET LA-2B FOR EXISTING TREE & PALM RELOCATION LOCATIONS. SEE EX. TREE BARRIER DETAIL ON SHEET LA-3B.



**NOT FOR CONSTRUCTION**  
 THESE PLANS HAVE NOT BEEN APPROVED BY THE GOVERNING AGENCY AND ARE SUBJECT TO CHANGE.

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**PINNACLE AT PEACEFIELD**  
 ADAMS STREET  
 HOLLYWOOD, FLORIDA



DAVID FONT, ASLA, PLA  
 LA 6666822

REVISIONS:  
 1. CORRECTION RESPONSES 2.20.2018

SUBMITTAL  
 3/5/2018

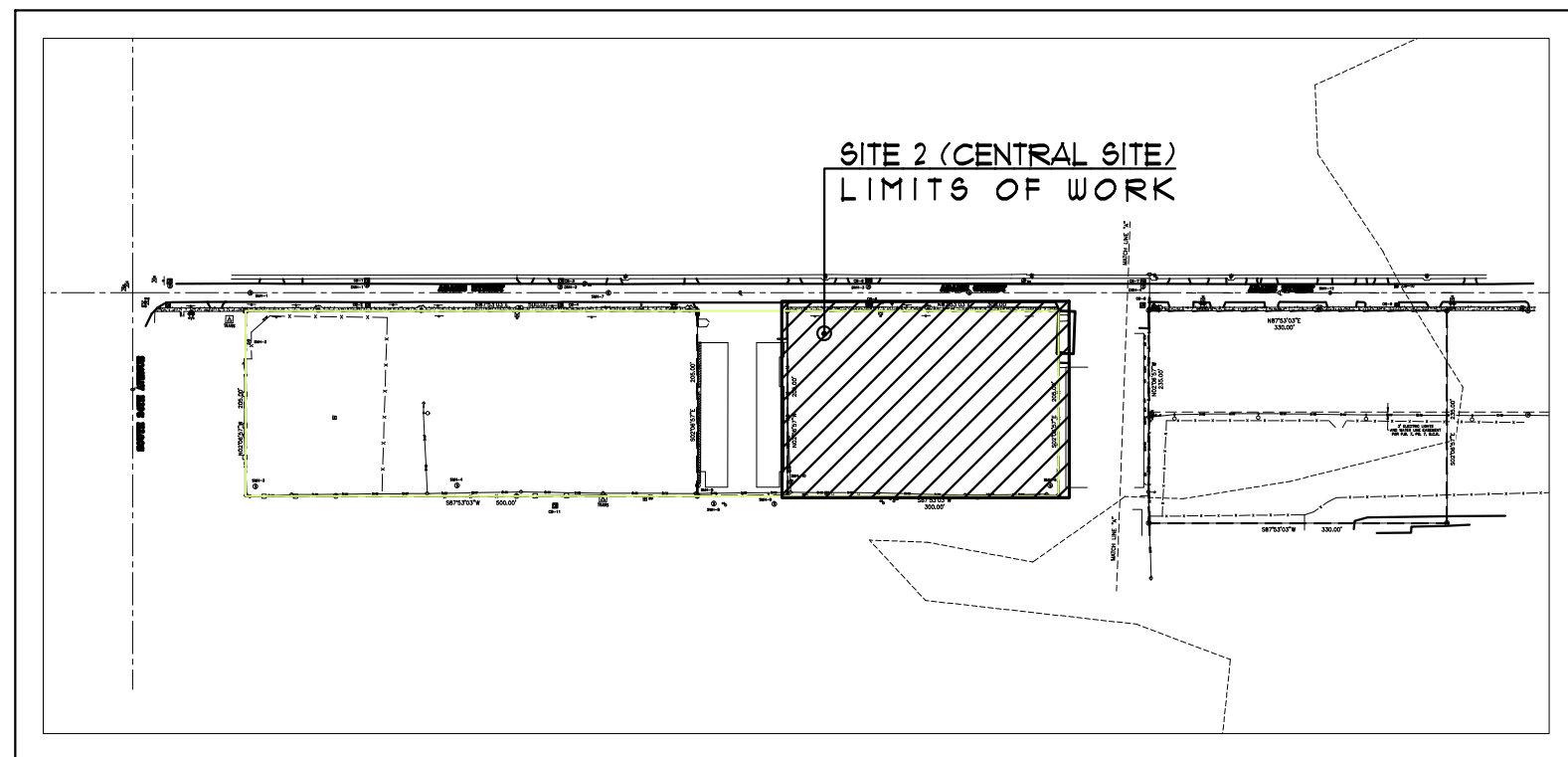
**LA-1B**

PLANT SCHEDULE CENTRAL SITE

TREES	CODE	QTY	BOTANICAL NAME / COMMON NAME	CONT.	CAL.
CB2	3		Calophyllum brasiliense / Brazilian Beautyleaf	F.G. 12" O.A. min.	
CC2	6		Cassia surattensis / Cassia	F.G. 6"-10" O.A. 2'0M min.	
CG	4		Cattleya guaya / Cattleya Guaya	25 gal. Multi Trunk 7'-9" O.A. Ht.	
CS3	3		Cerodantherum quadriloculare "Starburst" / Starburst Cerodantherum	#25 6"-8" O.A.	
CD	13		Coccoloba diversifolia / Polygon Plum	F.G., 12"-14" x 6" spread min.	
CN	6		Coccothrinax rufoflora / Coconut Palm	12"-14" CT, Single Matched	
FB	4		Phoenix sylvestris / Wild Date Palm	F.G. 6"-10" CT	
FM3	7		Phycosperma macarthurii / MacArthur Palm	12"-14" CT, Single Matched	
OV	14		Quercus virginiana / Southern Live Oak	F.G. 12"-14" O.A.	3'CAL
TR2	16		Thrinax radiata / Florida Thatch Palm	25 gal.	
TU	9		Tibouchina urvilleana / Princess Flower	15 gal.	
VM4	2		Vectia nemoralis / Christmas Palm	45G or F.G. 6"-10" min.	
WB	9		Wodyetia bifurcata / Foxtail Palm	6" to 10", C.T. match	
SHRUBS	CODE	QTY	BOTANICAL NAME / COMMON NAME	CONT.	
AD	15		Acalypha wilkesiana "fereno" / Copper-Leaf	3 gal.	
AL3	75		Alpinia zerumbet "Vanegatta" / Variegated Shell Ginger	7 gal/14"	
CR	464		Chrysothamnus coccineus "Red Tip" / Red Tip Cocoplum	3G, 24" MIN.	
CS5	122		Clusia gillii "Mini" / Small-Leaf Clusia	7 gal.	
CO2	27		Codiaeum variegatum "Curlyboy" / Curlyboy Croton	3 gal.	
COD	64		Codiaeum "Gold Dust" / Gold Dust Croton	3 gal.	
CE	301		Conocarpus erectus / Green Buttonwood	3G, 24" MIN.	
CS5	5		Conocarpus erectus "Seneca" / Silver Buttonwood	3G, 24" MIN.	
CR3	46		Cordyline terminalis "Red Sister" / Red Sister T.I. Plant	3 gal.	
CG	34		Cinnamomum augustatum "Queen Emma" / Queen Emma Cinnamon	15 gal.	
DUR	22		Duranta erecta "Gold Mound" / Gold Mound Duranta	3 gal.	
FM	52		Ficus microcarpa "Green Island" / Green Island Ficus	3G, 18" min.	
IV	141		Ilex vomitoria "Schlegels Dwarf" / Dwarf Yaupon Holly	3G, 18" min.	
IX2	240		Ixora coccinea "Mau Red" / Mau Ixora	3 gal.	
FC2	11		Pennisetum setaceum "Cyperum" / Fountain Grass	3 gal.	
PL	115		Pentas erecta / Dwarf Pentas	1 Gal., Salmon	
PH2	64		Philodendron "Kaniaki" / Philodendron	3 gal.	
PT	94		Pittosporum tobira "Turner's Variegated Dwarf" / Variegated Dwarf Pittosporum	3 gal.	
PA	11		Pumbago aculeata "Impenal Blue" / Blue Pumbago	3G, 24"x24" min.	
PO2	148		Portulaca macrophylla "Dwarf Pingles" / Dwarf Portulaca	3G, 18" min.	
SIF3	49		Schefflera arborescens "Toretto" / Schefflera	3 gal.	
TF	115		Tripsacum dactyloides / Falchatchee Grass	3G, 24" MIN.	
GROUND COVERS	CODE	QTY	BOTANICAL NAME / COMMON NAME	SPACING	
AG	620	sf	Arachis glabrata / Perennial Peanut		
SOD	6,677	sf	Stenotaphrum secundatum / St. Augustine Grass		

\* DENOTES NATIVE SPECIES (WHICH MEET CODE REQUIREMENTS)  
 A. TOTAL SUM OF PROVIDED NATIVE SHRUBS = 752  
 B. TOTAL SUM OF PROVIDED NATIVE TREES = 1,748  
 C. TOTAL OF PROVIDED NATIVE TREES = 1,748  
 D. TOTAL OF PROVIDED NATIVE TREES = 1,748  
 E. TOTAL OF PROVIDED NATIVE TREES = 1,748

SITE 2 (CENTRAL SITE) - LANDSCAPE SCHEDULE

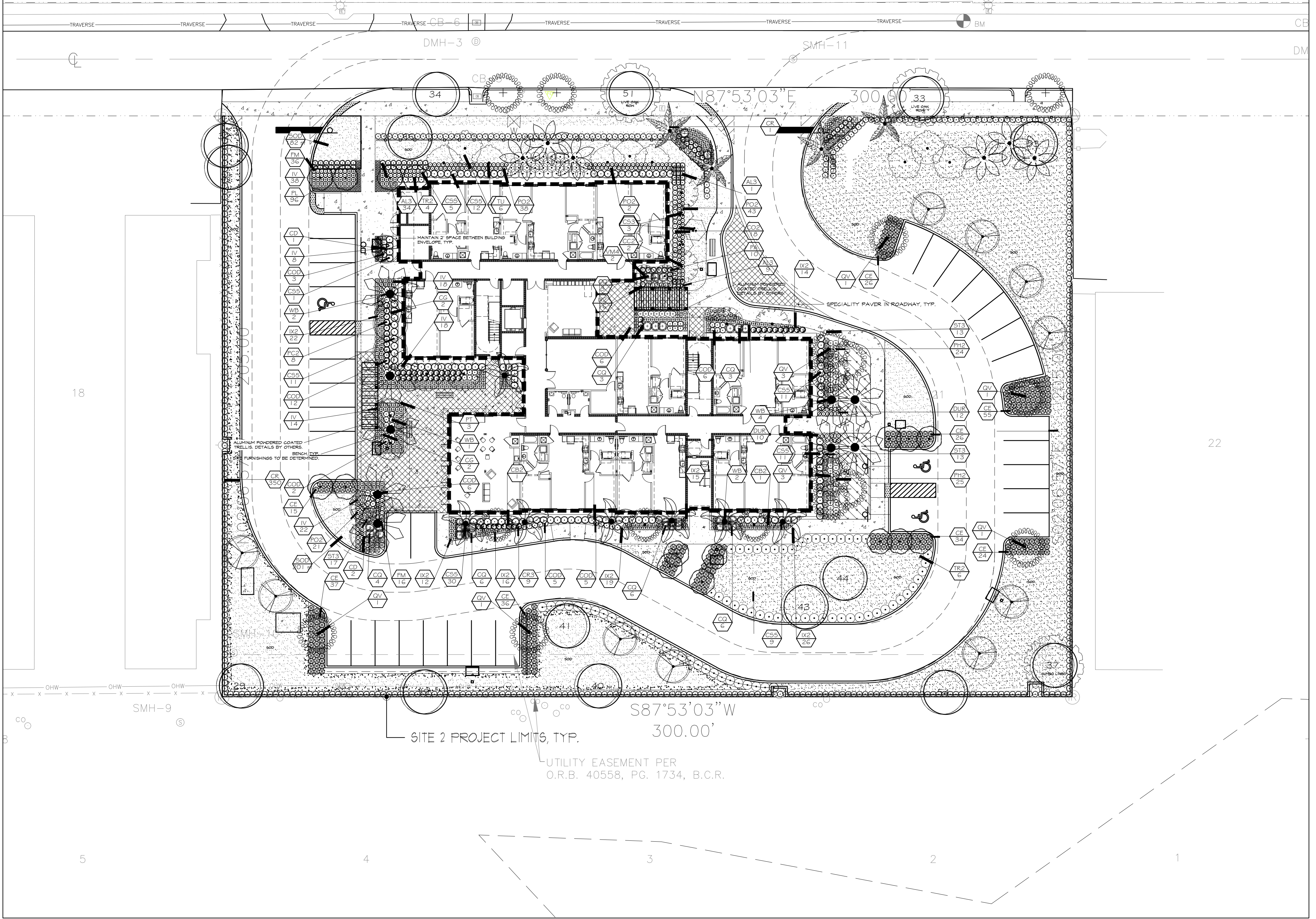


SITE 2 (CENTRAL SITE) - PROJECT LOCATION & LIMITS OF WORK

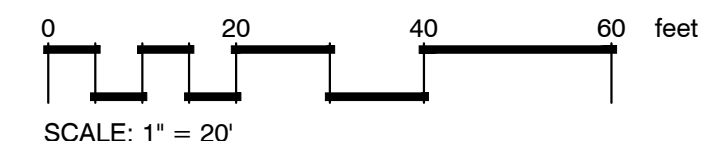
- MITIGATION LEGEND:**
- EXISTING TREE / PALM TO REMAIN
  - EXISTING TREE / PALM TO RELOCATE

**NOT FOR CONSTRUCTION**  
 THESE PLANS HAVE NOT BEEN APPROVED  
 BY THE GOVERNING AGENCY  
 AND ARE SUBJECT TO CHANGE.

NOTE: SEE SHEET LA-1B FOR EXISTING TREE/  
 PALM DATA AND MITIGATION STATUS

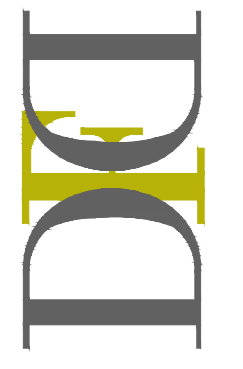


SITE 2 (CENTRAL SITE) - PROPOSED LANDSCAPE PLAN



**SITE 2 (CENTRAL SITE) - LANDSCAPE PLAN & SCHEDULE**  
 SCALE: 1" = 20'-0"

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**PINNACLE AT PEACEFIELD**  
 ADAMS STREET  
 HOLLYWOOD, FLORIDA

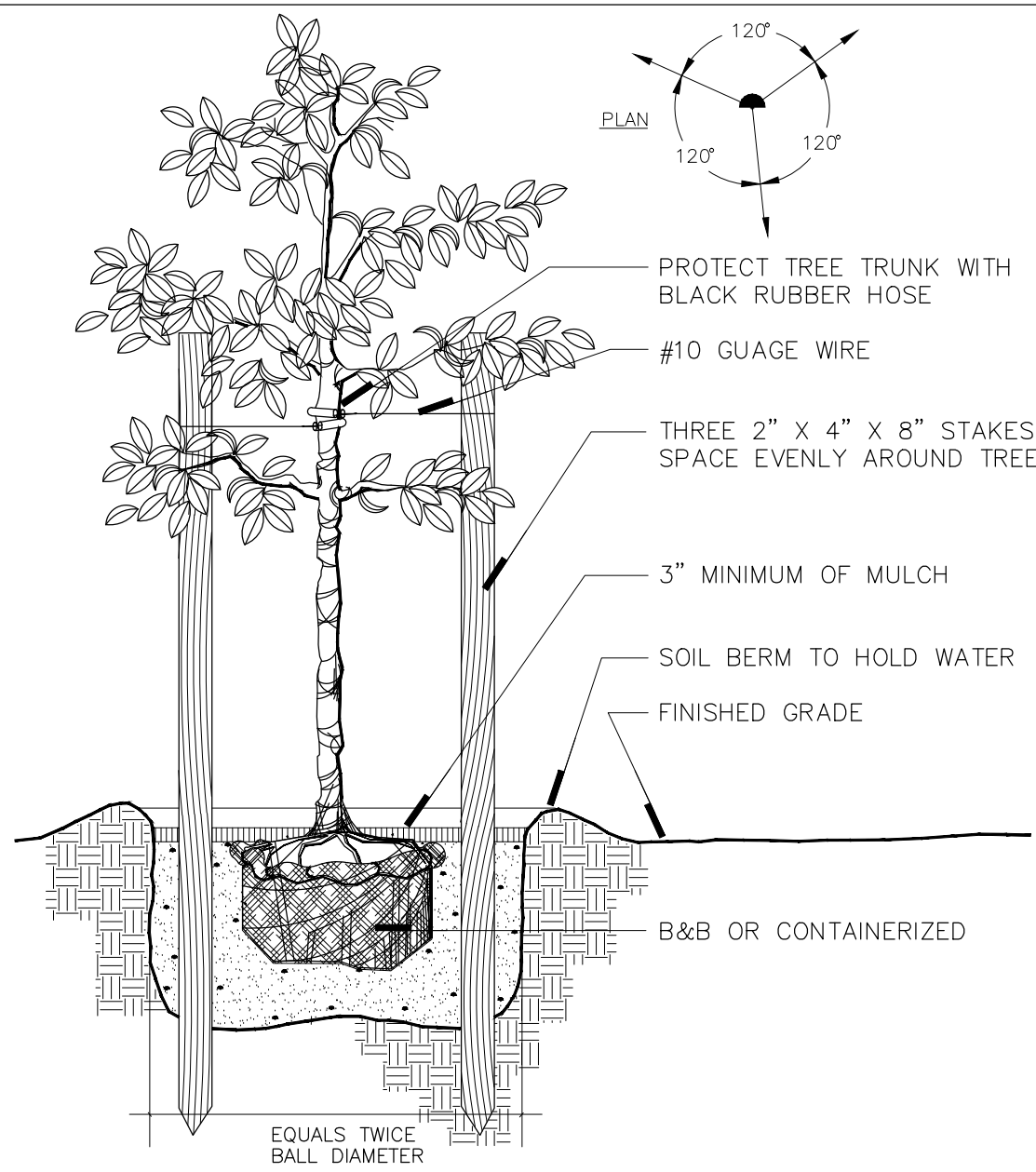


DAVID FONT, ASLA, RLA  
 LA 6666822

REVISIONS:  
 COMMENT RESPONSES 2.20.2018

SUBMITTAL  
 3/5/2018

**LA-2B**

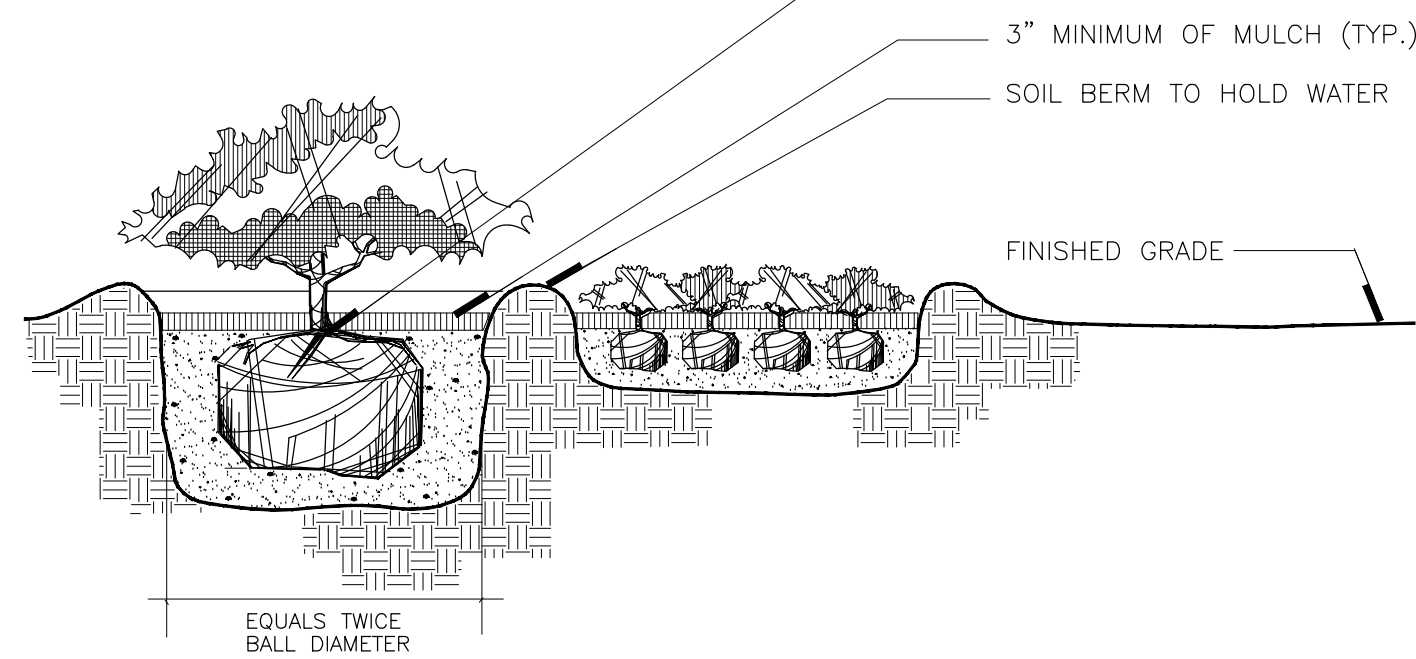


**A TREE DETAIL**

SECTION NOT TO SCALE

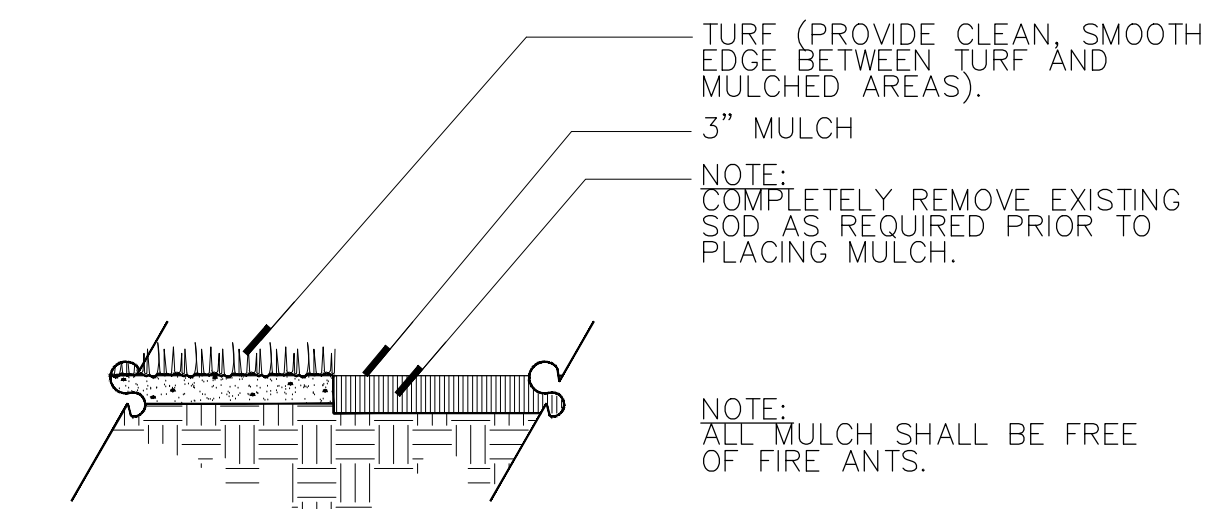
NOTE:  
ALL PLANT MATERIAL  
TO BE FLORIDA #1 OR BETTER

NOTE: PLANT MATERIAL SHALL  
BE PLANTED WITH 2" OF ROOT BALL  
EXPOSED ABOVE GRADE TO ALLOW FOR  
MULCHING



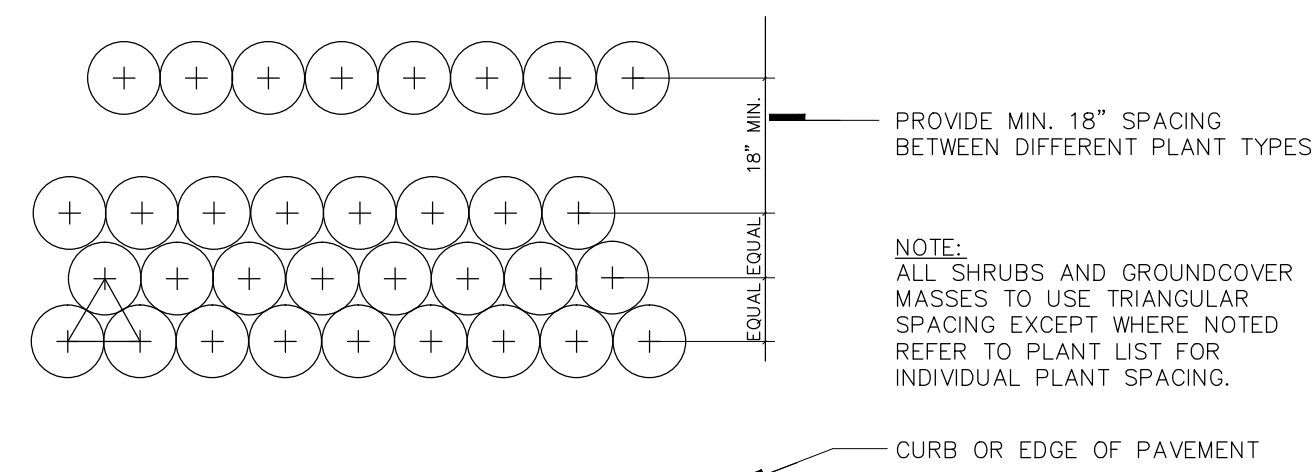
**B SHRUB AND GROUND COVER DETAIL**

SECTION NOT TO SCALE



**C TURF/MULCH DETAIL**

SECTION NOT TO SCALE

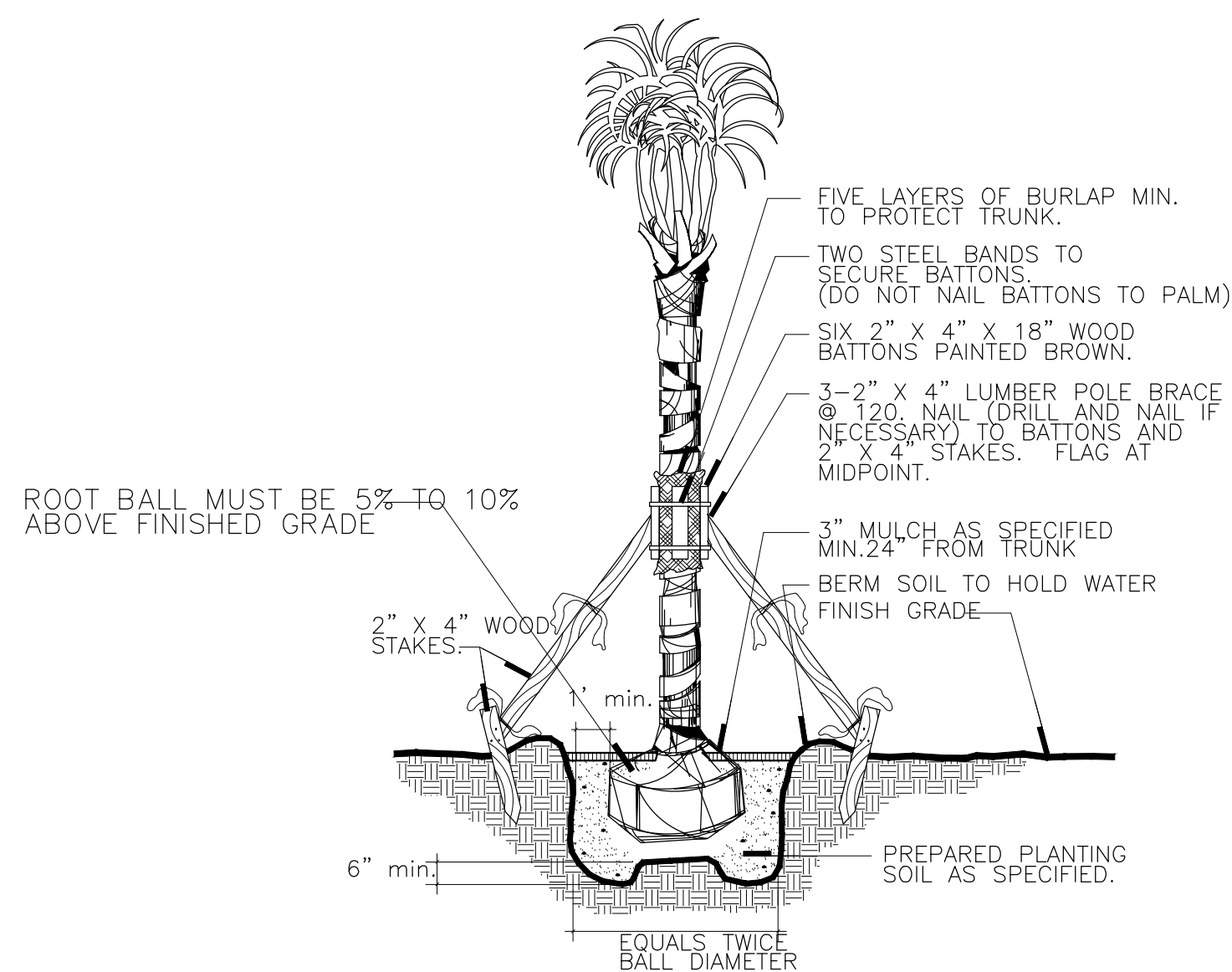


**D SHRUB/GROUND COVER SPACING DETAIL**

PLAN NOT TO SCALE

**LANDSCAPE NOTES**

1. PLANT MATERIAL SHALL CONFORM TO THE GRADES AND STANDARDS FOR FLORIDA NO. 1 OR BETTER AS DESCRIBED IN "GRADES AND STANDARDS FOR NURSERY PLANTS" (LATEST EDITION) BY THE FLORIDA DEPARTMENT OF AGRICULTURE, CONSUMER SERVICES DIVISION.
2. TREES SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS OF THE NATIONAL ARBORIST ASSOCIATION.
3. ALL TREES SHALL BE INSTALLED IN ACCORDANCE WITH THE MINIMUM SIZES SHOWN.
4. TOPSOIL SHALL BE CLEAN AND FREE OF CONSTRUCTION DEBRIS, WEEDS, ROCKS, NOXIOUS PESTS AND DISEASES. IF NECESSARY, AMMEND TOPSOIL WITH HORTICULTURALLY ACCEPTABLE ORGANIC MATERIAL.
5. PLANTING PITS: ALL TREES AND SHRUBS SHALL BE PLANTED IN A PLANTING SOIL CONSISTING OF A MIXTURE OF 50% MUCK AND 50% CLEAN, BROWN SAND. PLANTING HOLES WILL BE TWICE THE SIZE OF THE ROOT BALL OF THE TREE OR SHRUB BEING PLANTED.
6. MULCHING: ALL EXPOSED SOIL AREAS IN PLANTING BEDS, INCLUDING HEDGE ROWS, SHALL BE KEPT WEED FREE AND MULCHED TO A MINIMUM THREE (3) INCH DEPTH, EXCEPT THAT NO MULCH SHALL BE REQUIRED IN ANNUAL BEDS. THE TYPE OF MULCH SHALL BE SHREDDED AND COMPOSTED MELALEUCA TREE, GRADE 'B'. AT A MINIMUM, PROVIDE A 24 INCH RING OF MULCH AROUND TREE TRUNKS LOCATED IN GRASS AREAS.  
\*\* ONLY NON-CYPRESS MULCH IS ALLOWED AND THE MULCH BE KEPT AT LEAST 6 INCHES AWAY FROM TREE AND PALM TRUNKS. NO DYED MULCH SHALL BE USED ON THE SITE.
7. PLANT LIST QUANTITIES ARE PROVIDED FOR CONVENIENCE. IN THE EVENT OF QUANTITY DISCREPANCIES, THE DRAWING SHALL TAKE PRECEDENCE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY PLANT MATERIAL QUANTITIES, INCLUDING SOD, SOIL AND MULCH.
8. TREES AND PALMS SHALL BE GUYED OR STAKED AS PER THE DETAILS.
9. EXISTING IRRIGATION SYSTEM TO BE ADJUSTED SO THAT IT PROVIDES 100 PERCENT COVERAGE, RUST-FREE WITH 50 PERCENT MINIMUM OVERLAP AND AN AUTOMATIC RAIN SENSOR. PROVIDE USE OF BUBBLERS ON ALL TREE AND PALM INSTALLATION.
10. THE IRRIGATION SYSTEM SHALL INCLUDE A RAIN SENSOR DEVICE WHICH WILL LIMIT THE OPERATION OF THE SYSTEM IF SUFFICIENT RAINFALL HAS OCCURRED.
11. SOD: THE SPECIES OF GRASS FOR LAWNS SHALL BE ST. AUGUSTINE 'FLORATAM' AND SHALL BE INSTALLED AS SOLID SOD.
12. COORDINATE THE FINAL PLACEMENT OF TREES WITH THE PLACEMENT OF LAMP POST LIGHTING.
13. CONTRACTOR SHALL ENSURE THAT ADEQUATE WATER IS SUFFICIENTLY ESTABLISH PLANT MATERIAL UNTIL IRRIGATION IS 100% OPERABLE.
14. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN AUTHORIZATION NEWLY INSTALLED PLANTINGS TO SUPPLIED IN NECESSARY QUANTITIES TO ALL FROM THE L.A. OR CLIENT
15. IN AREAS WHERE PAVED SURFACES ABUT SOD OR MULCH, THE FINAL GRADE LEVEL OF BOTH SURFACES SHOULD BE EVEN.
16. NO STREET TREE SHALL BE PLANTED LESS THAN (25) FEET FROM ANY STREET CORNER, MEASURED FROM THE POINT OF INTERSECTING CURBS OR ROADWAY PAVEMENT EDGES.
17. ALL MATERIAL SHALL BE FERTILIZED WITH THE APPROPRIATE FERTILIZER OR TABLETS IMMEDIATELY UPON INSTALLATION.
18. LANDSCAPE AREAS, INCLUDING LANDSCAPED ISLANDS, WITHIN OR ABUTTING VEHICULAR USE AREAS SHALL BE EXCAVATED TO A DEPTH OF TWO AND A HALF FEET (2 1/2') TO ENSURE THAT ADEQUATE PLANTING SOIL EXISTS. PARKING LOT BASE COURSE MATERIAL, LIMEROCK, ASPHALT, AND OTHER SIMILAR MATERIAL SHALL BE REMOVED TO A DEPTH OF TWO AND A HALF FEET (2 1/2')
19. EXISTING TREES AND PALMS REMAINING MUST BE STRUCTURALLY PRUNED BY PROFESSIONALLY LICENSED TREE COMPANY.
20. ALL TREES SHOULD BE PLANTED SO THAT THE TRUNK FLAIR IS VISIBLE AT THE TOP OF THE ROOT BALL. THE TOP OF THE ROOT BALL SHALL BE PLANTED SO THAT IT IS 5% TO 10% ABOVE FINISH GRADE. SOIL MUST NOT BE PLACED OVER THE ROOT BALL.



**E PALM DETAIL**

SECTION NOT TO SCALE

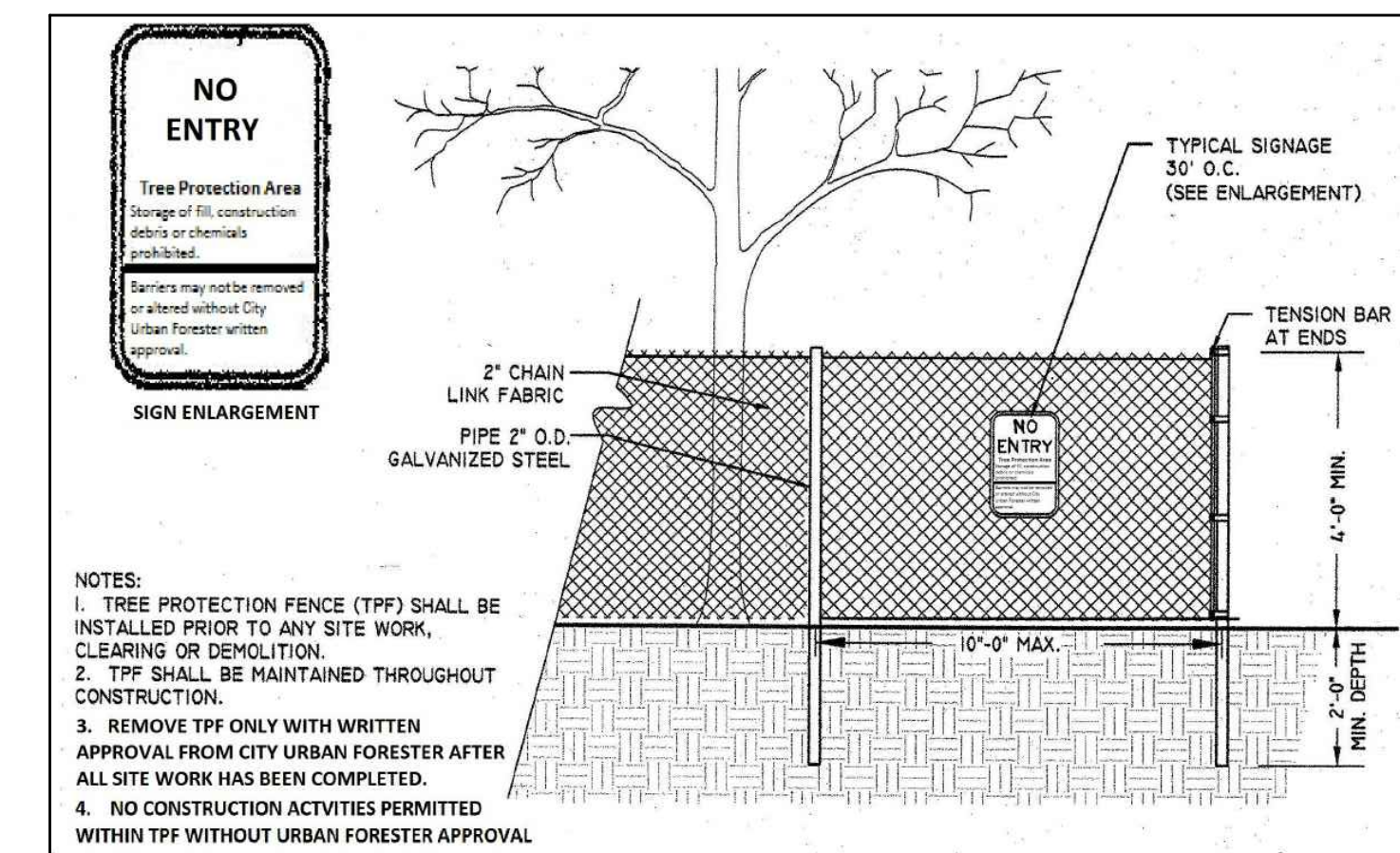
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**Landscape Requirements: Central Site**

Zoning Designation: DH-2 (Dixie Highway Multi-Family District)

- Net Lot Total Area (Sq. Ft. and Acres): 61,500 SF (1.41 Acres)  
Net Lot Total Open Space (Sq. Ft. and Acres): 15,660 SF (0.35 Acres)
- Open Space Requirement: Total Site Pervious Area = 15,660 SF  
1. Required: Minimum % of the Total Pervious Area to be Landscaped = 20%  
Provided = 38%  
2. Required: One Tree (Min. 12' Ht.) per 1,000 SF of Total Pervious Area = 16  
Provided = 16
- Perimeter Landscape Requirement: Total LF of Street Frontage = 222 LF  
Required: One Street Tree (Min. 12' Ht.) per 50 LF of Street Frontage = 5  
Provided = 5
- Vehicular Use Requirement: Total Vehicular Use Area = 20,594 SF  
1. Required: % of the VUA which shall be Landscaped = 25%  
Provided = 25%  
2. Required: One Tree (Min. 12' Ht.) per Terminal Island = 11  
Provided = 11
- Grand Total - Trees:  
1. Trees Required - Grand Total = 32  
Provided = 32  
2. Required: Minimum Number of Tree Species Allowed = 4  
Provided = 4  
3. Max. % of Palms to count toward Tree Requirements (@ 3:1) = 50%  
Provided = 50%  
4. Required: Minimum % of Native Trees / Palms Allowed = 60%  
Provided = 60%  
5. Required: Minimum % of Native Shrubs = 50%  
Provided = 50%

Always call 811 two full business days before you dig



**F TREE PROTECTION FENCE DETAIL**

SECTION NOT TO SCALE

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PH: 954.283.8839 FAX: 954.773.9841  
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**PINNACLE AT PEACEFIELD**  
ADAMS STREET  
HOLLYWOOD, FLORIDA



DAVID FONT, ASLA, PLA  
LA 6666822

REVISIONS:  
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SUBMITTAL  
3/5/2018

**LA-3B**

**Applicable Documents:**

A. These Specifications and the requirements hereinafter will govern this project during the installation, guarantee and maintenance period.

**Scope of Work:**

A. The work specified by this Section of the Specifications and on the Plans consists of furnishing all labor, machinery, tools, apparatus, means of transportation, supplies, equipment, materials, services and incidentals necessary to complete the work as indicated on the Plans and in the Specifications, as well as all other related responsibilities, including all change and repairs incident thereto.

B. The work shall include, but not be limited to, furnishing material, root pruning where required, layout, protection to the public, excavation, installation, backfilling, grading, fertilizing, mulching, staking and guying where required, watering, pruning where required, and installation, weeding, cleanup, maintenance and guarantee.

C. Quantities and Location: The Landscape Architect reserves the right to adjust the numbers and locations of the designated types and species to be used at any of the locations shown in order to provide for any modifications which might be necessary.

D. Investigation of Subsurface Condition: The Contractor shall be responsible for making site subsurface investigations and examination as he or she chooses in order to become familiar with the character of the existing material and the construction conditions under which he or she will work. These subsurface investigations and examinations shall be included in the bid. The Contractor shall not receive separate, additional compensation for this.

E. The Landscape Contractor shall be paid for only those units that are installed at the time of request for payment. The contractor's unit prices shall be the basis for said payment. The final amount of payment may or may not be the total sum of the contract depending on the number of units installed.

F. Ten percent (10%) of the total contract price will be held as retainer for 30 days after final written acceptance.

G. The Landscape Contractor will coordinate his work with all other trades at the job site.

**Quality Assurance:**

A. The Landscape Architect may inspect trees, shrubs, and groundcover either at the place of growth or at the site before planting for compliance with the requirements for name, variety, size, and quality. The Landscape Architect retains the right to further inspect trees and shrubs for size and condition of balls and root system, insects, injuries, and latent defects, and try to reject unsatisfactory or defective material at any time during the progress of work. The Landscape Contractor shall remove rejected trees or shrubs within 7 days from the project site.

**Responsibility for Assuring Quality Work:**

(1) The Contractor's Superintendent shall speak English and be well versed in Florida plant material, planting operations, Plan and Specification interpretation, coordination with other contracts or service in the project area and coordination between the nursery and the project.

(2) All employees shall be competent and highly skilled in their particular job in order to properly perform the work assigned to them. The Contractor shall be responsible for maintaining the quality of the material on the project.

(3) The Contractor will comply with applicable Federal, State, County and local requirements governing landscape materials and work.

**Grade Standards:**

(1) Plant material shall be Florida #1 or better as set forth in the latest edition of the Florida Department of Agriculture's Grades and Standards for Nursery Plants.

(2) All plant material will be subject to the approval of the Landscape Architect for quality, size and color. Plants lacking the compactness or proper proportions, plants which are weak or thin, and plants injured by close planting in nursery rows will not be accepted. Plant materials which have been cut back from larger grades to meet certain specification requirements will be rejected.

(3) Plant material shall have normal, well developed branches and shall be vigorous plants, free from defects, decay, burns, dieflouring roots, sun-scaled injuries, abrasion of the bark, plant diseases, insect pest eggs, borers, and all forms of infestations or objectionable disfigurements.

**Delivery, Handling and Storage:**

**A. Delivery and Handling:**

(1) Movement of nursery stock shall comply with all Federal, State, and local laws, regulations, ordinances, codes, etc.

(2) Protect during delivery to prevent damage to root ball or desiccation of leaves. Remove unacceptable plant materials immediately from the job site. Maintain and protect while stored at the site.

(3) Transport materials on vehicles large enough to allow plants not to be crowded and damaged. Flats shall be covered to prevent wind damage during transit.

(4) Deliver sod on pallets with root system protected from exposure to wind and sun. Deliver sod in quantities capable of being installed within 48 hours of cutting.

**Submittals & Approvals**

A. Written request for approval to substitute a plant species or a plants designation (B4B, WB4B, CG etc.), type, grade, quality, size, quantity, etc. due to the non-availability of the material specified. Approval must be given by the Landscape Architect before the material is delivered and installed on the project. The Contractor must provide written proof that the specified plant material is unavailable.

B. Any request for the approval of an equal shall be in writing. Approval shall be given by the Landscape Architect before the material is delivered and installed on the project.

C. Submit shop drawings for any special conditions not covered in the details indicated. This shall be for approval by the Landscape Architect before they are implemented in the project.

D. If requested by the Owner or Landscape Architect submit a schedule of all specimen plant material and collected plant material indicating the sources or suppliers of these materials and the locations for approval by the Landscape Architect before they are delivered and installed on the project. Also, two color photographs of each different item, showing different side views of the item shall be submitted with the schedule. Additional color photographs shall be submitted, if requested.

E. If requested by the Owner or Landscape Architect, submit a letter indicating the sources or suppliers of all sod and the grade to be supplied for approval by the Landscape Architect before it is delivered and installed on the project.

F. If requested by the Owner or Landscape Architect, submit a sample and analysis of all planting soil types for approval by the Landscape Architect before the material is delivered and installed on the project. Submit a sample of the mulch for approval by the Landscape Architect.

H. If requested by the Owner or Landscape Architect, submit sources of the material before the material is delivered and installed on the project.

I. Submit prints of shop drawing for all staking and guying methods to be used if the ones indicated in these Specifications and on the Plans are not to be implemented. Staking and guying methods before they are implemented in the Landscape Architect will approve all shop drawings of project.

J. Submit in writing any hindrance to the owners routine maintenance or lack of, that may affect installed plant materials growth or survival, that would affect the guarantee of plant material.

K. Submit in writing any hindrance to the timely completion of the installation.

L. Submit and Certificate of Inspection of plant material as may be required by State, local or Federal Authorities.

**Substitutions:**

A. When the specifies plant designation (B4B, WB4B, CG etc.), type, grade, quality, size, quantity, etc. of a material is not available, the Contractor shall submit a written request, to the Landscape Architect, for a substitution along with written, documented proof that the plant designation (B4B, WB4B, CG etc.), type, grade, quality, size, quantity, etc. of material is not available. The Landscape Architect shall approve all substitutions before they are delivered and installed. Do not deliver and install any material, which is anticipated to be a substitute, before it has been submitted in writing and approved as a substitute by the Landscape Architect. Also, any changes, if any, to the contract amount, because of an approved substitute, shall be established in writing between the Owner and the Contractor before the material substitute is delivered and installed on the project.

**Guarantees:**

A. The guarantee shall not begin until the day final written acceptance is given.

B. All plant material, except sod, trees and palms, shall be guaranteed for a minimum of 1 year from the time of final acceptance. All sod shall be guaranteed for a minimum of 60 days from the time of final acceptance. All trees and palms are to be guaranteed for one year from the time of final acceptance.

C. The guarantee shall be null and void for plant material which is damaged or dies as a result of 'Acts of God' limited to hail, freeze, lightning, and winds which exceed hurricane force, providing the plant use is in a healthy growing condition prior to these 'Acts of God'.

D. At the option of the Owner, and inspections may be made at the end of the guarantee period, but prior to the last day of the guarantee period.

**Replacement:**

A. The guaranteeing of a plant material shall be construed to mean the complete and immediate replacement of plant material within 3 calendar days if it is:

(1) Not in a healthy growing condition and thus renders it below the minimum quality indicated in the Specifications.

(2) There is a question to its ability to survive after the end of the guarantee period that would render it below the minimum quality indicated in the Specifications.

(3) It is dead.

B. The 3 calendar days may be extended due to seasonal conditions, availability, preparation time such as root pruning, etc., only if approved by the Landscape Architect in advance. The extended time shall be negotiated between all parties concerned, but must receive final approval by the Landscape Architect.

C. Size, Quality, and Grade:

(1) Replacement plant material shall be one of the same species quality and grade as that of the plant to be replaced. The size of the replacement shall not necessarily be the same size as the original specified plant, at its initial planting. The replacement shall be of equal size to the plant to be replaced at the time it has been determined that it must be replaced.

However, if for some reason, the plant to be replaced is smaller than the size originally specified, the replacement shall be at least equal to the originally specifies size.

(2) Replacements shall be guaranteed for a period equal to the originally specifies guarantee. The guarantee period shall begin at time of acceptable replacement.

(3) Final payment to the Contractor shall not relieve he or she of the guarantee obligations.

**Plan and Specification Interpretation:**

A. On the Plans, figured dimensions shall govern over scaled dimensions. If any error or discrepancy is found in the Plans and Specifications, the Contractor shall refer the same to the Landscape Architect for an interpretation and decision. In resolving conflicts between the Plans and Specifications, THE PLANS SHALL GOVERN over the Specifications. The Landscape Architect shall have the right to correct apparent errors or omissions in the Plans and Specifications and to make such interpretations as he or she may deem necessary for the proper fulfillment of the intent of the Plans and Specifications.

**Permits and Codes:**

A. The Contractor shall procure all necessary permits to accomplish all of the work.

B. The Contractor is responsible for performing all work in accordance with all applicable regulations, ordinances and code requirements from the appropriate city, county, state and/or Federal jurisdiction the project is located in.

**Changes and Additional Work:**

A. The Contractor shall not start on any changes or additional work in the project until a written agreement setting forth the adjusted contract amount has been executed by the Owner and the Contractor. Any work performed on any changes or additional work prior to the execution of a written agreement may or may not be compensated for.

**Job Site, "Project Site Etc.":**

A. The words "job site", "project site", "job", "project" and "site" shall be synonymous with one another when used in these documents.

**Safety On and Off the Job Site:**

A. In performing the scope of work, all safety on or off the job site shall be the sole responsibility of the Contractor. The Landscape Architect shall not be responsible for safety on or off the job site.

B. The Landscape Architect's on site observations or inspections shall be only for the purpose of verifying that the Plans and Specifications are being implemented properly. The Landscape Architect's on site observations or inspections are not for safety on or off the job site.

**On Site Observations and Inspections:**

A. The Contractor shall make requests for on site observations or inspections 48 hours in advance and they shall be in writing, if directed by the Landscape Architect.

B. If an inspection is related to completion and final acceptance, the request shall be made in writing 48 hours in advance.

C. An inspections at the growing site does not preclude the right of rejection at the project site.

D. The fact that the Landscape Architect has not made an early on site observation or inspections to discover faulty work or work omitted, or work performed which is not in accordance with the contract requirements, shall not bar the Landscape Architect from subsequently rejecting such work at a later date.

E. The Landscape Architect's on site observations or inspections shall be only for the purpose of verifying that the Plans and Specifications are being implemented properly. The Landscape Architect's on site observations or inspections are not intended to take charge, direct, run or manage the implementation of the Plans and Specifications or take charge, organize or manage the Contractor while performing the scope of work indicated in these Specifications.

**Plant Material:**

A. Plant material shall be nursery grown except:

(1) Where specified as collected material

(2) Where approved by the Landscape Architect for such plant material which is only available as a collected item from sources such as residences.

B. Except where another grade is specifically called for in the Plans, all plant material, including collected material if specified, shall be no less than Florida #1 or better, at the time of installation and final acceptance. Existing plant material to remain or to be relocated shall be excluded from this requirement.

C. Habit of Growth: All plant material shall have a habit of growth that is normal for that species and shall be sound, healthy, vigorous and free from insects, plant diseases and injuries.

D. Measurement of Trees, Palms, Shrubs, and Groundcover:

(1) Trees, Shrubs, and Groundcover:

a. Rootball: Requirements for the measurement of minimum rootball diameter and depth shall comply with the Florida Department of Agriculture's 'Grades and Standards for Nursery Plants, Part I and Part 2' as follows:

CALIFER                  MIN. BALL DIA.                  MIN. BALL DEPTH

1 - 15'                      16'                      75% of dia.

2 - 25'                      20'                      65% of dia.

15 - 22'                      22'                      65% of dia.

15 - 17 1/2'                      24'                      65% of dia.

25 - 35'                      26'                      65% of dia.

35 - 4'                      30'                      65% of dia.

4 - 4 1/2'                      30'                      65% of dia.

5 - 5'                      32'                      60% of dia.

5 - 5 1/2'                      34'                      60% of dia.

5 1/2' or more                      Increase in proportion                      up to 48", then decrease in proportion for larger size diameter.

b. Height: The height of plant material shall be measured from finish grade and continue up to where the main mass of the plant uniformly ends. The height shall not include any singular or isolated parts of the plant, such as leaves, shoots, branches, limbs or fronds, which extend out beyond the main mass of the plant.

E. Die-Back and Leaf Drop: plant material showing signs of die-back or leaf-drop will not be accepted and must be removed from the project immediately if so directed by the Landscape Architect. Therefore, any plant material with tendencies toward leaf-drop or die-back must be root pruned early enough to provide a sound network of hair roots prior to relocation.

F. Mechanical Destruction of Foliage: Mechanical destruction of foliage resulting from root pruning shall not affect more than 10% of the total foliage prior to planting on the project. Loss of foliage caused by seasonal change will be accepted.

G. Spanish Moss: If Spanish Moss (Tillandsia usneoides) exists on plant material, it shall be completely removed prior to planting on the project.

**H. Palms:**

(1) Remove a minimum of fronds from the crown of the palms to facilitate transporting and handling.

(2) Palm frond tying shall be as set forth in the latest edition of the Florida Department of Agriculture's 'Grades and Standards for Nursery Plants'. Tying palms shall be at the option of the Contractor. The Landscape Architect may direct the Landscape Contractor to untie Palm fronds to accommodate an owners "grand opening". The Contractor may re-tie the palm after the event. This untying will not affect the guarantee or represent an additional cost to the owner.

(3) To reduce head volume, Palm fronds may be taper trimmed by not more than one-third.

(4) Palms with mechanical damage, such as from cables, chains, equipment and nails, shall be rejected.

I. Chlorosis: The allowable level of Chlorosis in foliage shall be set forth in the latest edition of the Florida Department of Agriculture's 'Grades and Standards for Nursery Plants'.

J. Plant material shall not be accepted when the ball of earth surrounding its roots has been cracked, broken or otherwise damaged.

K. Root pruning of plant material, when necessary, shall be done a minimum of 4 weeks, or for a period as determined by the Landscape Architect, prior to planting at the project.

**Sod:**

A. Sod shall be solid sod and shall be standard quality grade. Note: Quality grade shall be based on the standards of sod quality grades (premium, standard or commercial) as established by the Turf grass Producers Association of Florida Inc. The sod shall be well matted with roots and of firm, tough texture having a compact top growth and heavy root development. Sod shall be free of objectionable grassy and broad leaf weeds. Sod shall not accepted if it contains Bermuda Grass. Sod sections shall be strong enough to support when suspended vertically from a firm grasp on the upper 10% of the section. Sod shall not be harvested or transplanted when moisture content (excessively dry or wet) may adversely affect its survival. Sod shall be relatively free of thatch, up to one half inch allowable (uncompressed).

The soil embedded in the sod shall be a clean, earth, free of stones and debris. The sod shall have been mowed at least three times with a lawn mower with final mowing not more than seven days prior to the sod being cut for placement. The sod shall be provided in commercial pad sizes measuring not less than 12 inches by 24 inches and shall be live, fresh and unjured at the time of placement. It shall be planted within 48 hours after being cut and shall be shaded and kept moist from the time it is cut until it is planted.

**Planting Soil:**

A. All plant material, unless indicated otherwise, shall be installed with a planting soil composed of sandy loam (50% sand, and 50% muck) typical of the locality. The soil must be taken from ground that has never been stripped, with a slight acid reaction (5.5 to 6.5 pH) and without an excess of calcium or carbonate. Soil shall be delivered in a loose friable condition.

**Water:**

A. Potable, from municipal water supplies or other sources which are approved by a public health department.

**Mulch:**

A. Mulch shall be:

(1) 'Floramulch'

**Fertilizer:**

A. New and existing Trees and Palms: Fertilize with 8-2-12 palm fertilizer with micronutrients per manufacturer's recommendations.

B. New and existing Shrubs, and Groundcover: Fertilize with 8-2-12 palm fertilizer with micronutrients at a rate of 1/2 lb. per 1000 SF of area.

C. Annuals: Fertilize with Omocote - Sierra Blend 14-14-14 or approved equal.

D. Composition and Quality: All fertilizer shall be uniform in composition and dry. Granular fertilizer shall be free flowing and delivered in unopened bags. All bags containers or boxes shall be fully labeled with the manufacturer's analysis.

E. All fertilizer shall comply with the State of Florida fertilizer laws.

**Staking and Guying:**

A. Staking and guying shall be the responsibility of the Landscape Contractors. Staking and guying shall not be attached directly to the plant material with nails. Also, batens used in staking and guying shall not be attached to the plant material with nails. All method staking and guying other than those indicated in the details, shall receive approval from the Landscape Architect prior to their installation. Under no circumstances will approval be given to allow the plunging, burying, or planting of trees or palms, so that the top of the grade in order to eliminate the need or requirement of staking or guying.

B. The Contractor is responsible for performing all staking and guying in accordance with applicable regulations, ordinances and code requirements from the appropriate local jurisdiction the project is located in.

**EXECUTION:**

**Installation:**

A. Utilities (Above Ground and Underground):

(1) The work area may have existing utilities, such as, but not limited to water, gas, sewer, electric and storm sewer. The location of some of these existing utilities have been indicated on the Plans.

However, no guarantee is implied that the Plans are accurate or complete. It shall be the responsibility of the Contractor to verify the location of all such utilities, structures, etc. by hand excavation or other appropriate measures before performing any work that could result in damage or injury to persons, utilities, structures or property. The Contractor shall make a thorough search of the site for utilities, structures, etc., before work is commenced in any particular location.

(2) The Contractor shall take immediate steps to repair, replace, or restore all services to any utilities or other facilities which are disrupted due to his or her additional outside services which may be necessary to prosecute repairs on a continuous "around the clock" basis until services are restored. He or she shall also provide and operate any supplemental temporary services to maintain uninterrupted use of the facilities. All costs involved in the repairs and restoring disrupted service resulting from the negligence of the Contractor shall be borne by the Contractor and he or she shall be fully responsible for any and all claims resulting from the damage.

(3) Should utilities, structures, etc. be encountered which interfere with the work, the Landscape Architect shall be consulted immediately in order for a decision to be made on the relocation of the work so it will clear the obstruction, if the obstruction cannot be relocated.

(4) The Contractor shall not purposefully disrupt or disconnect any type of utility whatsoever without first obtaining the written permission of the Landscape Architect. Requests for disconnection must be in writing and received by the Landscape Architect at least 72 hours prior to the time of the requested disconnection.

(5) The Contractor shall not purposefully disrupt or disconnect any type of utility whatsoever without first obtaining the written permission of the Landscape Architect. Requests for disconnection must be in writing and received by the Landscape Architect at least 72 hours prior to the time of the requested disconnection.

**Grades:**

A. It shall be the responsibility of the Contractor to provide the final grading so the final level for planting areas conforms to surrounding grades and is at the proper elevation with relation to walks, paving, drain structures and other site conditions, unless indicated otherwise on the plans.

B. Plant Area Next to Pavement: All planting areas next to pavement areas, such as, but not limited to, curbs, roads, drives, walks, terraces, decks and slabs shall be set so that the TOP OF THE MULCH IS 1/2 INCH BELOW THE TOP OF THE PAVEMENT AREA or as indicated otherwise on the plans.

**Preparation:**

A. Staking Plant Locations: Stake or mark plant material locations prior to plant hole excavation, based on information from the plans.

B. Spacing of Groundcover 4 Shrubs: The location of a planting bed (shrub or groundcover) next to another bed, walkway, structure, etc., shall have the plants along the perimeter spaced so that the plants can mature properly without growing into the other bed, walkway, structure, etc.

C. The rootballs of B4B plants which cannot be planted immediately shall be covered with moist soil or mulch to insure protection from drying winds and sun. All plants shall be maintained as necessary until planting.

D. Subsurface Conditions: Some or all work areas may be compacted and/or contain existing material such as limerock which may interfere with adequate vertical drainage and/or proper plant survival and growth and therefore removal of this material is part of the scope of work for the project. The Contractor shall be responsible for insuring adequate drainage in these areas and shall remove this existing material, as required, by such means as digging, drilling or rototilling. If necessary, excavate to a depth beyond the required excavation depth for the plant hole, in order to insure proper vertical drainage necessary for plant survival and growth.

E. Remove undesirable existing vegetation present on the project by use of chemicals and/or mechanical means which are acceptable to the Landscape Architect. Apply chemicals as recommended by the manufacturer. Exercise care to avoid any misuse of the chemicals which will cause detrimental residual conditions. Care shall be used so that any final grades which have been established are not altered.

**F. Excavation of Plant Holes:**

(1) General:

a. Excavation of plant holes shall be roughly cylindrical in shape with the sides approximately vertical. The Landscape Architect reserves the right to adjust the size and shape of the plant hole and the location of the plant in the hole to compensate for anticipated structures or unanticipated factors which are a conflict.

b. The excavated material from the plant holes shall not be used to backfill around the plant material. Such material shall be disposed of either on the project site or off the site, as directed by the Landscape Architect.

c. The excavated material from the plant holes shall not be used to backfill around the plant material. Such material shall be disposed of either on the project site or off the site, as directed by the Landscape Architect.

**Installation:**

A. General: The Contractor shall lay out on the ground the locations for the plants and outlines of areas to be planted and obtain approval of the Landscape Architect before excavation is begun. The Landscape Architect may adjust the location of specifies plant materials prior to planting.

**B. Setting of Plants:**

(1) All plants shall be set at the proper level so that after settlement, a normal or natural relationship between the crown of the plant and the surrounding ground surface exists. The plants shall be set vertically. After excavation of planting pits and prior to placement of the plant material, fill the planting pits with water. The plant hole shall be backfilled with topsoil mixture placed in layers around the roots or ball. Each layer shall be carefully tamped in place, when partially backfilled and compacted, the hole shall be filled with water and the soil allowed to settle around the roots; the ball ties shall be cut and at the burlap peel down 1/3 from the top of the rootball and cut or adjusted to prevent the formation of air pockets before applying the water. After the water has been absorbed the plant hole shall be filled with topsoil mixture and tamped to grade. Subsoil removed from tree pit shall not be mixed or used in any way with the topsoil mixture.

(2) In the event that weeds or other undesirable vegetation becomes prevalent to such an extent that they threaten plant material, they shall be removed as directed by the Landscape Architect. This condition shall apply until final acceptance.

(3) If there is no source for water available at the project, such as a hose bib (s) or fire hydrant (s) if approved for use, then the Contractor shall be responsible for supplying water for watering, by such means as a water truck or tank.

**G. Pruning and Thinning:**

(1) The amount of general pruning and thinning shall be limited to the minimum necessary to remove dead or injured twigs and to compensate for the loss of roots as a result of transplanting operations. Pruning and thinning shall be done in such a manner as not to change the natural habit or shape of a plant.

**H. Weeding:**

(1) In the event that weeds or other undesirable vegetation becomes prevalent to such an extent that they threaten plant material, they shall be removed as directed by the Landscape Architect. This condition shall apply until final acceptance.

(2) All eabal and queen palms shall be backfilled with clean thoroughly washed in during the planting operation.

(3) Water Saucer: A 4-inch high water saucer shall be formed around the rim of each individual tree or palm pit and maintained in place.

(4) Plant material of the shrub category and smaller must be handled by the ball only. Plant material too large for hand handling, if moved by winch or crane, must be thoroughly protected from chain, rope, or cable marks, grinding, bark slippage, limb breakage and any other damage that might occur by improper handling or negligence.

(5) All trees and palms shall be handled by both the trunk and rootball at the same time and not by the trunk only. Trunks shall be thoroughly protected.

(6) Container grown plant material shall be carefully removed from the container so as not to disturb the root system.

**C. Sod:**

(1) Soil Preparation: Within 24 hours prior to placing sod, prepare the soil in the following manner:

a. Uniformly apply formula 8-8-8 fertilizer over the area at a rate of 25 pounds per 1000 square feet.

b. Remove stones and foreign matter over two inches in diameter from the top two inches of soil.

c. Grade the sod areas so that the top of the sod will be at finished grade after rolling and tamping.

d. Place sod with staggered joints closely butted, tamped or rolled to an even surface to the required finished grade. Avoid continuous seams along lines of water flow in lawns. Place sod in rows at right angles to slope.

e. Water sod every day for a period of three weeks.

f. Fertilize sod three weeks after planting with 12 pounds of 8-8-8 formula fertilizer per 1000 square feet of lawn.

g. No sod shall be used which is not certified as being free of the imported fire ant. Before any sod is brought to the site, furnish a written certification of clearance from pest control officials of either State or Federal Department of Agriculture.

(2) Maintenance of Sod:

a. It shall be the responsibility of the Contractor to replace any areas of sod that are not in healthy growing condition.

b. The Contractor shall completely maintain the sod until final acceptance by mowing or spraying as necessary.

(3) Planting Beds:

NOTE: APPROXIMATE SPECIES AND HEIGHT BASED ON TWO YEAR GROWTH RATE. RENDERING FOR CONCEPTUAL PURPOSES ONLY.



**DAVID FONT DESIGN**  
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**PINNACLE AT PEACEFIELD**  
 ADAMS STREET  
 HOLLYWOOD, FLORIDA

DAVID FONT, ASLA, RLA  
 LA 666822

REVISIONS:  
 COMMENT RESPONSES 2.20.2018

SUBMITTAL  
 3/5/2018

**LA-5B**

SITE 2 (CENTRAL SITE) - LANDSCAPE ELEVATION RENDERING  
 SEE GRAPHIC SCALE  
COMMENT RESPONSES 2.20.2018

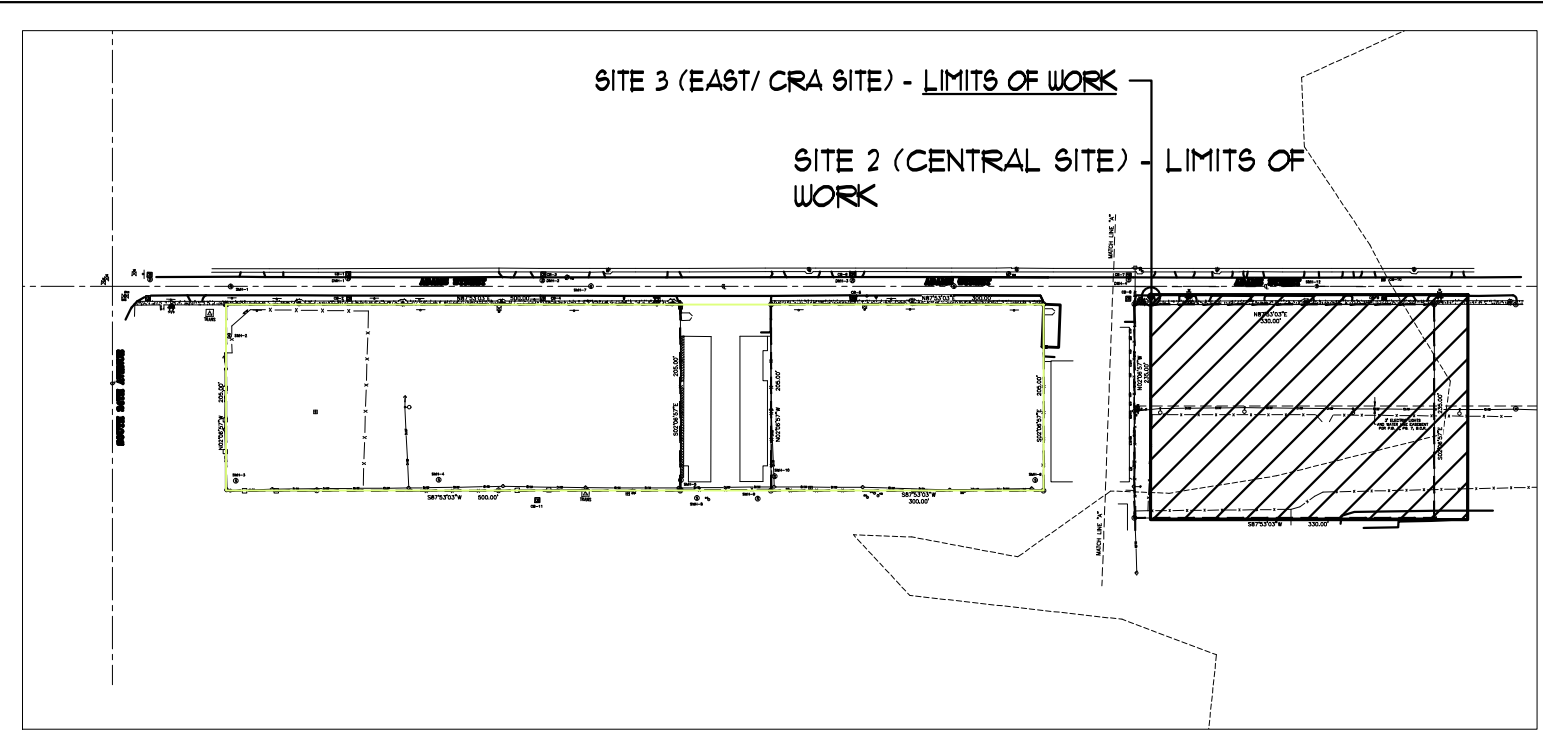
EXISTING TREE MITIGATION CHART   SITE 3 (EAST SITE/ CRA PROPERTY)							
#	BOTANICAL NAME	COMMON NAME	HT. (FT)	WD. (FT)	DBH (IN)	DISPOSITION	REMARKS
57	Schinus terebinthifolia	BRAZILIAN PEPPER	30	20		REMOVE	INVASIVE SPECIES
58	Schinus terebinthifolia	BRAZILIAN PEPPER	15	12		REMOVE	INVASIVE SPECIES
59	Schinus terebinthifolia	BRAZILIAN PEPPER	30	12		REMOVE	INVASIVE SPECIES
60	Quercus virginiana	LIVE OAK	25	15	10	RELOCATE	RELOCATE WITHIN ROW
61	Cocos nucifera	COCONUT PALM	40	20	15	REMOVE	
62	Bucida buceras	BLACK OLIVE	40	30	24	REMOVE	
63	Blighia sapida	AKEE TREE	25	30	12	REMOVE	POOR SPECIMEN; LOCATED WITHIN CONSTRUCTION ENVELOPE
64	Mangifera indica	MANGO	20	35	12	REMOVE	POOR SPECIMEN; LOCATED WITHIN CONSTRUCTION ENVELOPE
65	Blighia sapida	AKEE TREE	20	15	6	REMOVE	POOR SPECIMEN; LOCATED WITHIN CONSTRUCTION ENVELOPE
66	Blighia sapida	AKEE TREE	25	15	4	REMOVE	POOR SPECIMEN; LOCATED WITHIN CONSTRUCTION ENVELOPE
67	Blighia sapida	AKEE TREE	25	20	10	REMOVE	POOR SPECIMEN; LOCATED WITHIN CONSTRUCTION ENVELOPE
68	Blighia sapida	AKEE TREE	28	15	4	REMOVE	POOR SPECIMEN; LOCATED WITHIN CONSTRUCTION ENVELOPE
69	Bucida buceras	BLACK OLIVE	35	40	32	REMOVE	POOR SPECIMEN; LOCATED WITHIN CONSTRUCTION ENVELOPE
70	Cocos nucifera	COCONUT PALM	22	20	6	RELOCATE	
71	Cocos nucifera	COCONUT PALM	20	20	6	RELOCATE	
72	Cocos nucifera	COCONUT PALM	22	10	6	REMAIN	
73	Cocos nucifera	COCONUT PALM	28	15	6	REMAIN	
74	Cocos nucifera	COCONUT PALM	25	15	6	REMAIN	
75	Cocos nucifera	COCONUT PALM	23	15	6	REMAIN	
76	Cocos nucifera	COCONUT PALM	25	15	6	RELOCATE	
77	Cocos nucifera	COCONUT PALM	30	15	6	RELOCATE	
78	Cocos nucifera	COCONUT PALM	25	15	6	RELOCATE	
79	Podocarpus ssp.	PODOCARPUS	15	10	4	REMAIN	OPEN FOR DISCUSSION
80	Podocarpus ssp.	PODOCARPUS	25	15	24	REMAIN	OPEN FOR DISCUSSION
81	Aracacia heterophylla	PORCUPINE ISLAND FNR	40	20	15	REMOVE	INVASIVE SPECIES
82	Cocos nucifera	COCONUT PALM	30	20	10	REMAIN	OPEN FOR DISCUSSION
83	Podocarpus ssp.	PODOCARPUS	22	15	24	REMAIN	OPEN FOR DISCUSSION
84	Cocos nucifera	COCONUT PALM	18	15	7	RELOCATE	
85	Quercus virginiana	LIVE OAK	18	15	8	RELOCATE	

EXISTING TREE DISPOSITION SUMMARY   SITE 3 (EAST SITE)	
a. TOTAL # OF EXISTING TREES TO REMAIN	3
b. TOTAL # OF EXISTING PALMS TO REMAIN	5
c. TOTAL # OF EXISTING TREES TO RELOCATE	2
d. TOTAL # OF EXISTING PALMS TO RELOCATE	6
c. TOTAL # OF EXISTING TREES TO REMOVE	8
d. TOTAL # OF EXISTING PALMS TO REMOVE	1
TOTAL SF OF EXISTING TREES + PALMS CANOPY TO MITIGATE	4788 SF

SITE 3 (EAST/CRA SITE) - MITIGATION CHART & SUMMATION TABLE

**TREE DEMOLITION NOTE:**

1. THE CONTRACTOR SHALL CALL FOR AND ATTEND AN INSPECTION OF EXISTING CONDITIONS BY THE OWNER PRIOR TO COMMENCING WORK. THE CONTRACTOR WILL PREPARE A REPORT OF EXISTING CONDITIONS AS A MATTER OF RECORD, TO INCLUDE PHOTOGRAPHS. THE CONTRACTOR WILL ACCEPT THE EXISTING CONDITIONS AS A REFERENCE POINT FOR CONDITION OF THE SITE. EXISTING CONDITIONS WILL THEN BECOME THE RESPONSIBILITY TO KEEP INTACT.

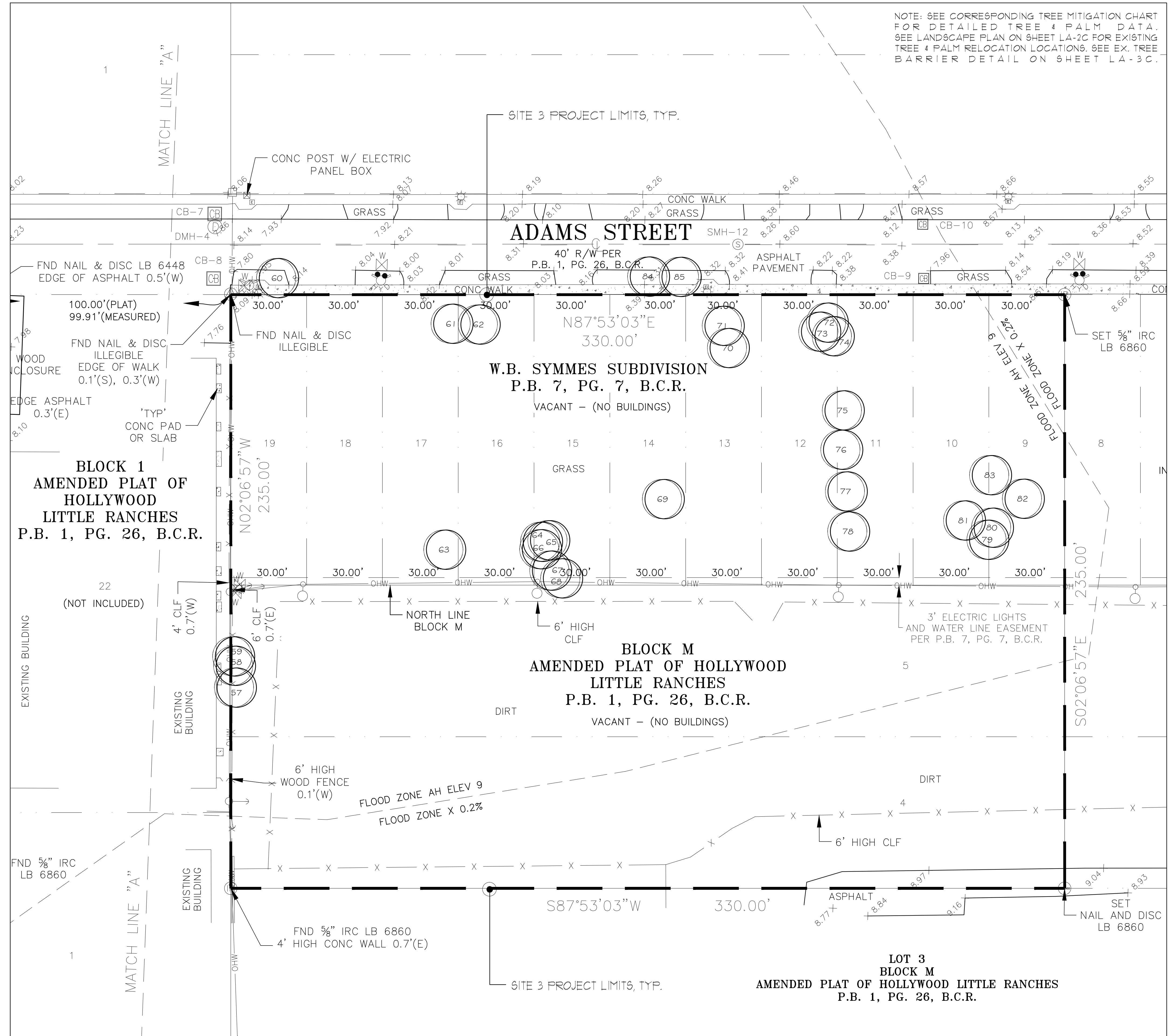


SITE 3 (EAST/CRA SITE) - PROJECT LOCATION & LIMITS OF WORK

**MITIGATION LEGEND:**

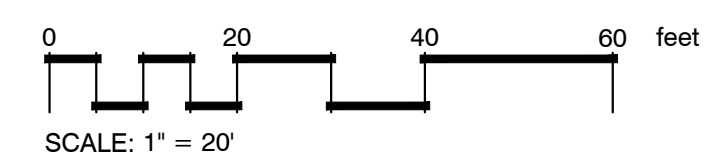
- EXISTING TREE / PALM DISPOSITION #
- EXISTING TREE / PALM SYMBOL

MITIGATION REPLACEMENT TREE:  
\* SEE SHEET LA-2C FOR EXACT LOCATION OF REPLACEMENT TREES.



SITE 3 (EAST/CRA SITE) - EXISTING TREE PLAN

NOTE: SEE CORRESPONDING TREE MITIGATION CHART FOR DETAILED TREE & PALM DATA. SEE LANDSCAPE PLAN ON SHEET LA-2C FOR EXISTING TREE & PALM RELOCATION LOCATIONS. SEE EX. TREE BARRIER DETAIL ON SHEET LA-3C.



**NOT FOR CONSTRUCTION**  
THESE PLANS HAVE NOT BEEN APPROVED BY THE GOVERNING AGENCY AND ARE SUBJECT TO CHANGE.

**SITE 3 (EAST/CRA PROPERTY) - MITIGATION PLAN & CALCULATIONS**

SCALE: 1" = 30'-0"

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7551 WILES ROAD, SUITE 1059  
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**PINNACLE AT PEACEFIELD**  
ADAMS STREET  
HOLLYWOOD, FLORIDA



DAVID FONT, ASLA, FLA  
LA 6666822

REVISIONS:  
COMMENTS RESPONSES 2/20/2018

SUBMITTAL  
3/5/2018

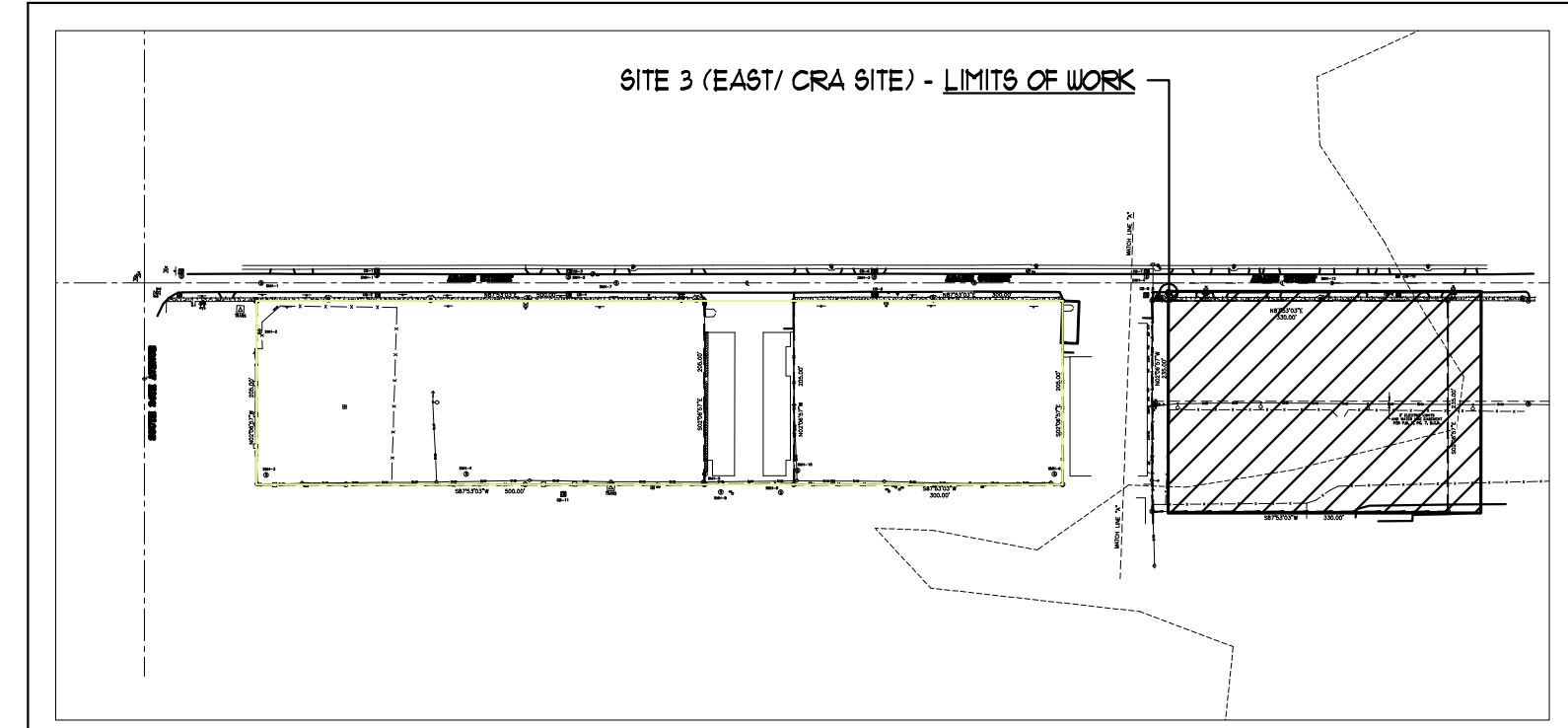
**LA-1C**

PLANT SCHEDULE - EAST/CRA SITE

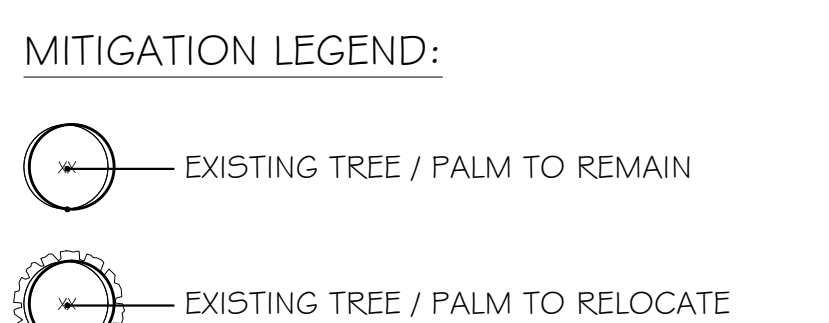
TREES	CODE	QTY	BOTANICAL NAME / COMMON NAME	CONT.	CAL.
✳	BS	9	Bursera simaruba / Gumbo Limbo	7.5' 16" x 8" spread min.	
	CG2	6	Casahuate / Casahuate	FG, 8'-10" O.A., 2" DBH min.	
	CG	5	Cattleya guaya / Cattleya Guaya	25 gal. Min. Trunk 7'-8" O.A. Min.	
✳	CO3	7	Chrysophyllum oliviforme / Starburst	12" O.A. 4 2" DBH min.	
	CS3	2	Clerodendrum quadriloculare 'Starburst' / Starburst Clerodendrum	#25 4" - 6" O.A.	
✳	CO	10	Coccoloba diversifolia / Pigeon Plum	7.5', 12" - 14" x 4" spread min.	
	CH	9	Cocos nucifera / Coconut Palm	12" - 14" CT, Single Matched	
	LI2	9	Lagerstroemia indica / Crepe Myrtle	7.5' 16" x 8" min., Multi	
	PS	4	Phoenix sylvestris / Wild Date Palm	FG, 8'-10" CT	
	PM3	1	Psychopoma maculatum / MacArthur Palm	12" - 14" CT, Single Matched	
✳	QV	16	Quercus virginiana / Southern Live Oak	FG, 12" - 14" O.A.	3" Cal.
✳	TR2	4	Thrinax radiata / Florida Thatch Palm	25 gal.	
	TU	9	Tibouchina urticifolia / Princess Flower	15 gal.	
	VM4	2	vetiveria zizanioides / Christmas Palm	45G or FG, 8" - 10" min.	
	WB	11	Wodyetia bifurcata / Foxtail Palm	8" to 10", C.T. match	
SHRUBS	CODE	QTY	BOTANICAL NAME / COMMON NAME	CONT.	
	AD	16	Acalypha wilkesiana 'Inferno' / Copper-Leaf	3 gal.	
	AL3	91	Alpinia zerumbet 'Vanegata' / Variegated Shell Ginger	7 gal/1.4"	
✳	CR	541	Chrysalidocarpus 'Red Tip' / Red Tip Coccoloba	3G, 24" MIN.	
	CS5	122	Cissampelos glaberrima / Small-Leaf Clusia	7 gal.	
	CO2	29	Codiaeum variegatum 'Curlyboy' / Curlyboy Croton	3 gal.	
	COO	70	Codiaeum 'Gold Dust' / Gold Dust Croton	3 gal.	
✳	CC	203	Conocarpus erectus / Green Buttonwood	3G, 24" MIN.	
✳	CS6	10	Conocarpus erectus 'Silver' / Silver Buttonwood	3G, 24" MIN.	
	CR3	51	Cordia alliodora 'Red Sister' / Red Sister T. Plant	3 gal.	
	CG	62	Croton augustum 'Queen Emma' / Queen Emma Croton	15 gal.	
	DUR	158	Duranta erecta 'Gold Mound' / Gold Mound Duranta	3 gal.	
	FM	58	Ficus microcarpa 'Green Island' / Green Island Ficus	3G, 18" min.	
✳	IV	149	Ilex verticillata 'Schilling's Dwarf' / Dwarf Yaupon Holly	3G, 18" min.	
	IX2	209	Ixora coccinea 'Mau Red' / Mau Ixora	3 gal.	
	PC2	11	Pennisetum setaceum 'Cyperum' / Fountain Grass	3 gal.	
	PL	109	Pentas dwarf / Dwarf Pentas	1 Gal., Salmon	
	PH2	143	Philodendron 'Xanadu' / Philodendron	3 gal.	
	PT	106	Pittosporum tobira 'Tanger' / Variegated Dwarf Pittosporum	3 gal.	
	PA	10	Plumbago auriculata 'Imperial Blue' / Blue Plumbago	3G, 24" x 24" min.	
	PO2	151	Podocarpus macrophyllus 'Dwarf Froggie' / Dwarf Podocarpus	3G, 10" min.	
	ST3	61	Schefflera arborescens 'Trinette' / Schefflera	3 gal.	
✳	TF	136	Tripsacum dactyloides / Falcatifolius Grass	3G, 24" MIN.	
GROUND COVERS	CODE	QTY	BOTANICAL NAME / COMMON NAME	SPACING	
	AG	311 sf	Arachis glabrata / Perennial Peanut		
	SOD	27,429 sf	Stenotaphrum secundatum / St. Augustine Grass		

A. TOTAL SUM OF PROVIDED NATIVE SHRUBS = 855  
 B. TOTAL SUM OF PROVIDED NATIVE TREES + PALMS = 111 = 33  
 C. TOTAL # OF PROVIDED NATIVE TREES = 25  
 D. TOTAL # OF PROVIDED NATIVE PALMS = 11

SITE 3 (EAST/ CRA SITE) - LANDSCAPE SCHEDULE

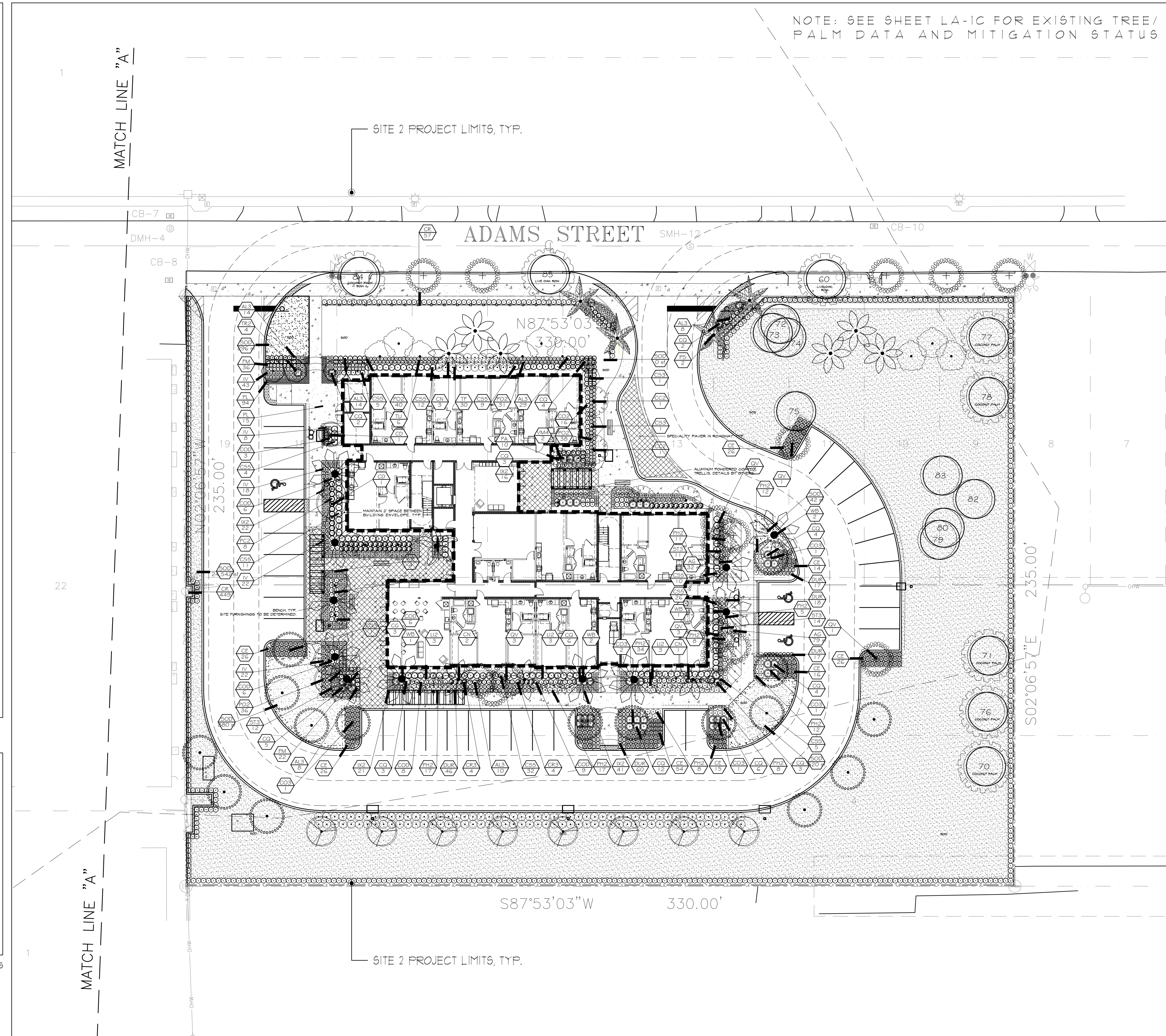


SITE 3 (EAST/ CRA SITE) - PROJECT LOCATION & LIMITS OF WORK

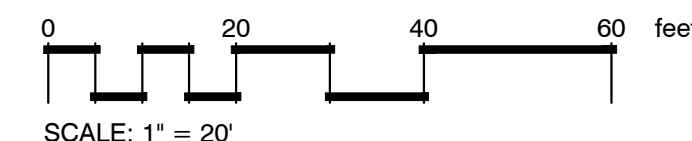


**NOT FOR CONSTRUCTION**  
 THESE PLANS HAVE NOT BEEN APPROVED  
 BY THE GOVERNING AGENCY  
 AND ARE SUBJECT TO CHANGE.

NOTE: SEE SHEET LA-1C FOR EXISTING TREE/  
PALM DATA AND MITIGATION STATUS



SITE 3 (EAST/ CRA PROPERTY) - PROPOSED LANDSCAPE PLAN



SITE 3 (EAST/ CRA PROPERTY) - LANDSCAPE PLAN & SCHEDULE

SCALE: 1" = 20'-0"

**DAVID FONT DESIGN**  
 INTERIOR | EXTERIOR  
 7551 WILLES ROAD, SUITE 1059  
 CORAL SPRING, FLORIDA 33069  
 PH: 954.283.8839 FAX: 954.773.9841  
 EMAIL: INFO@DAVIDFONTDESIGN.COM



**PINNACLE AT PEACEFIELD**  
 ADAMS STREET  
 HOLLYWOOD, FLORIDA



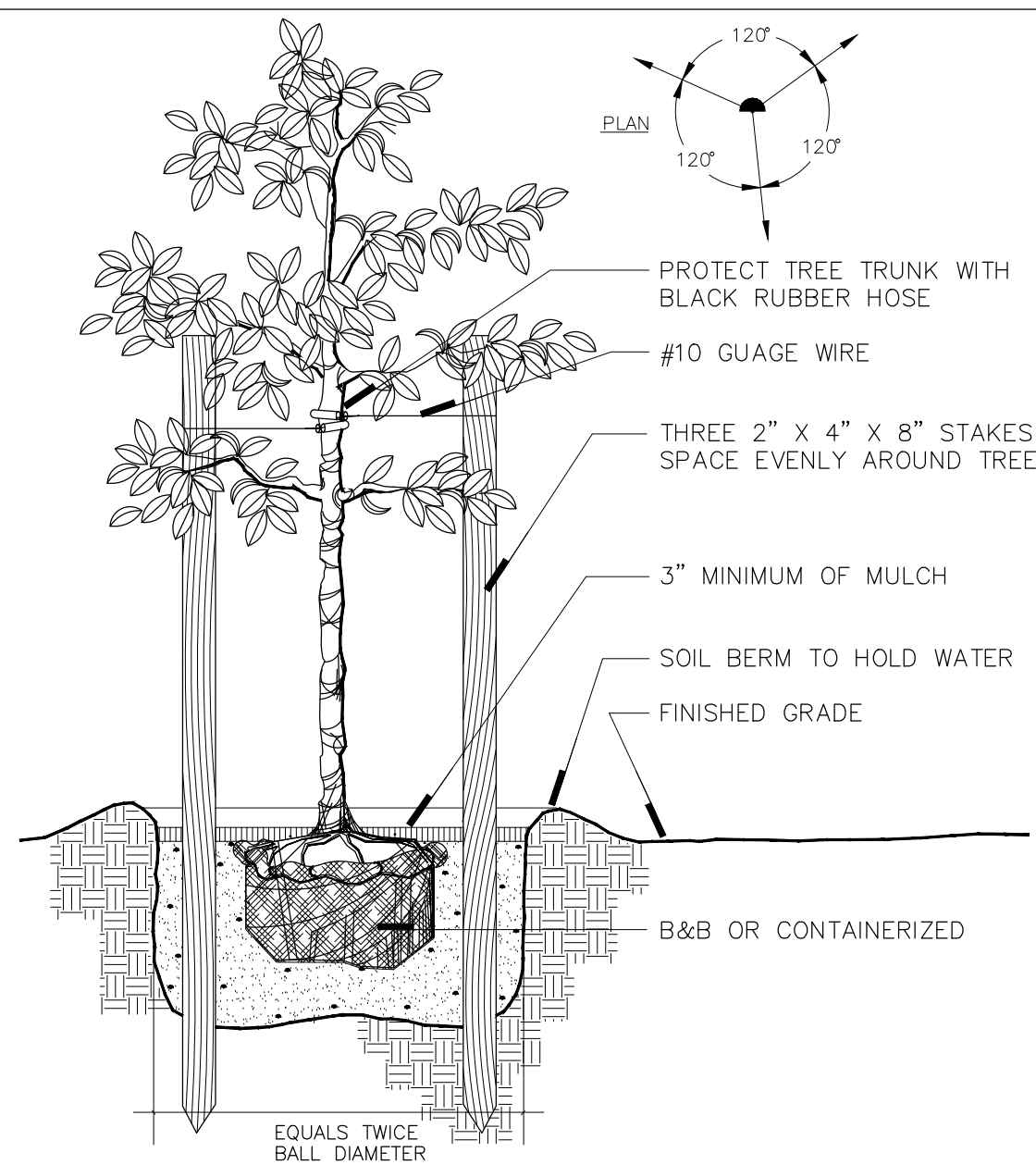
DAVID FONT, ASLA, RLA  
 LA 6666822

REVISIONS:  
 COMMENT RESPONSES 2.20.2018

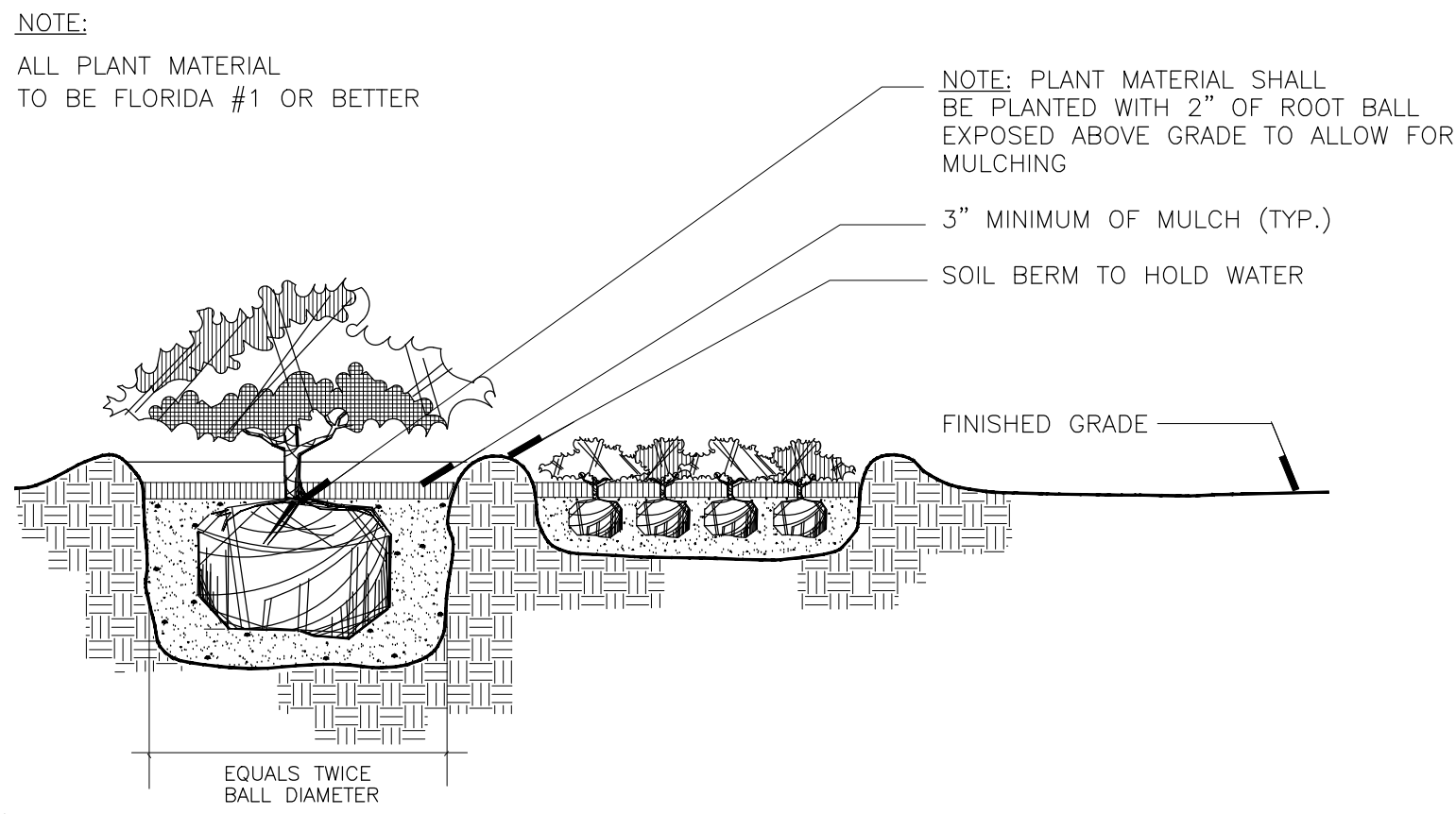
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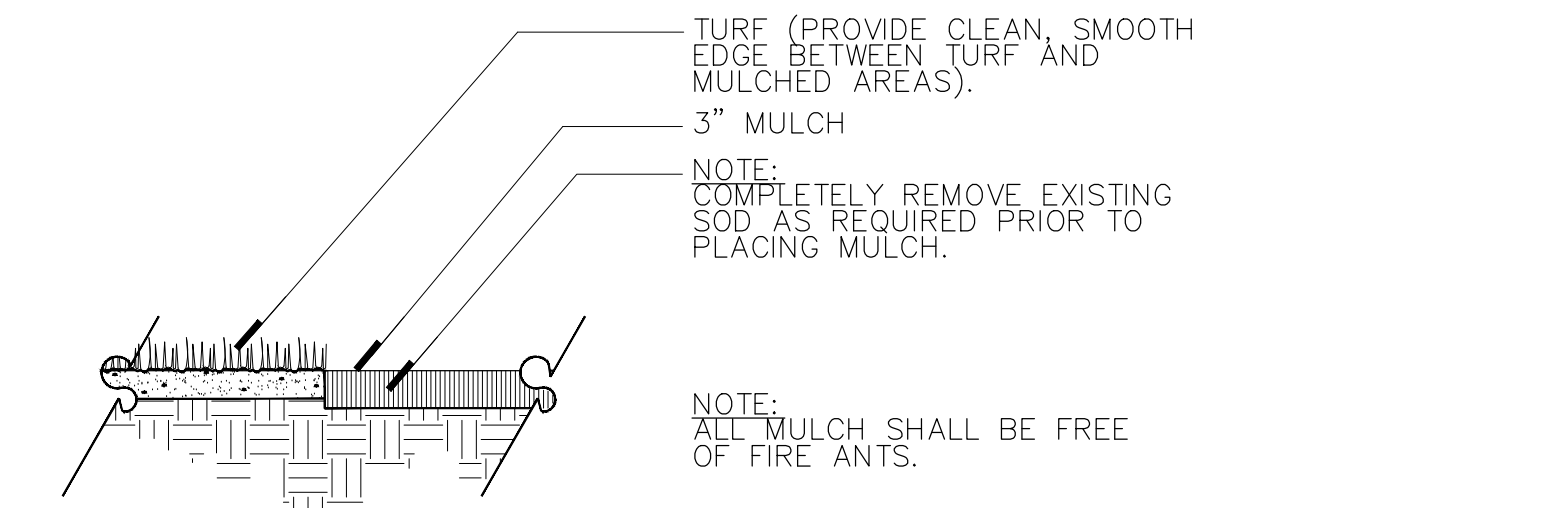




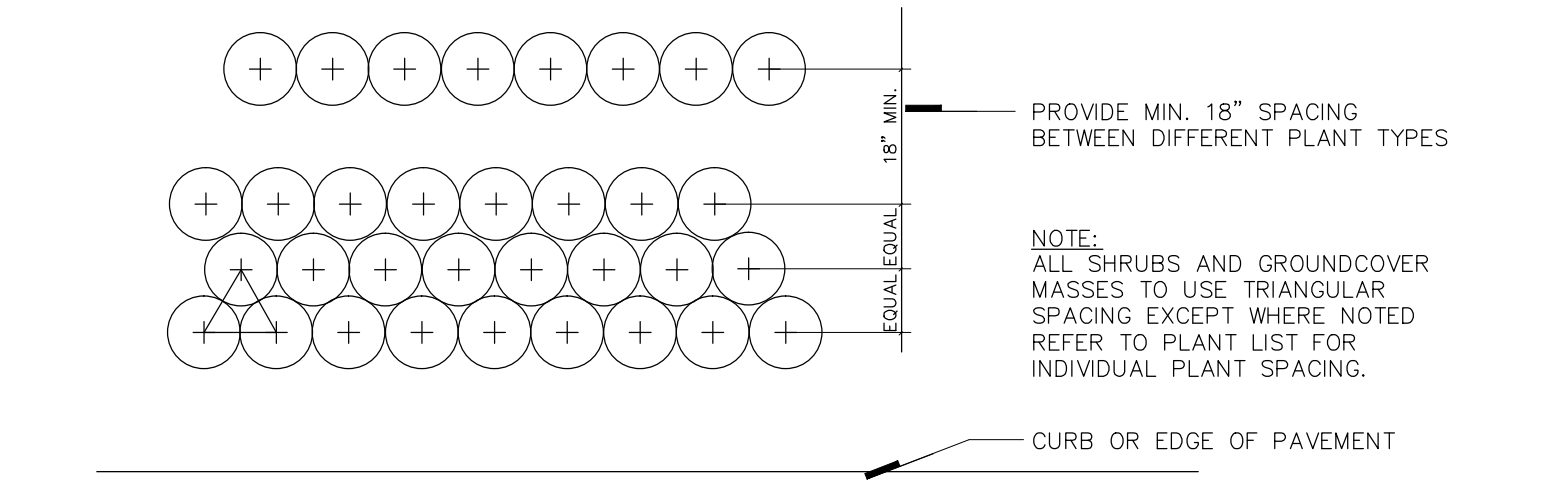
**A TREE DETAIL**  
SECTION NOT TO SCALE



**B SHRUB AND GROUND COVER DETAIL**  
SECTION NOT TO SCALE



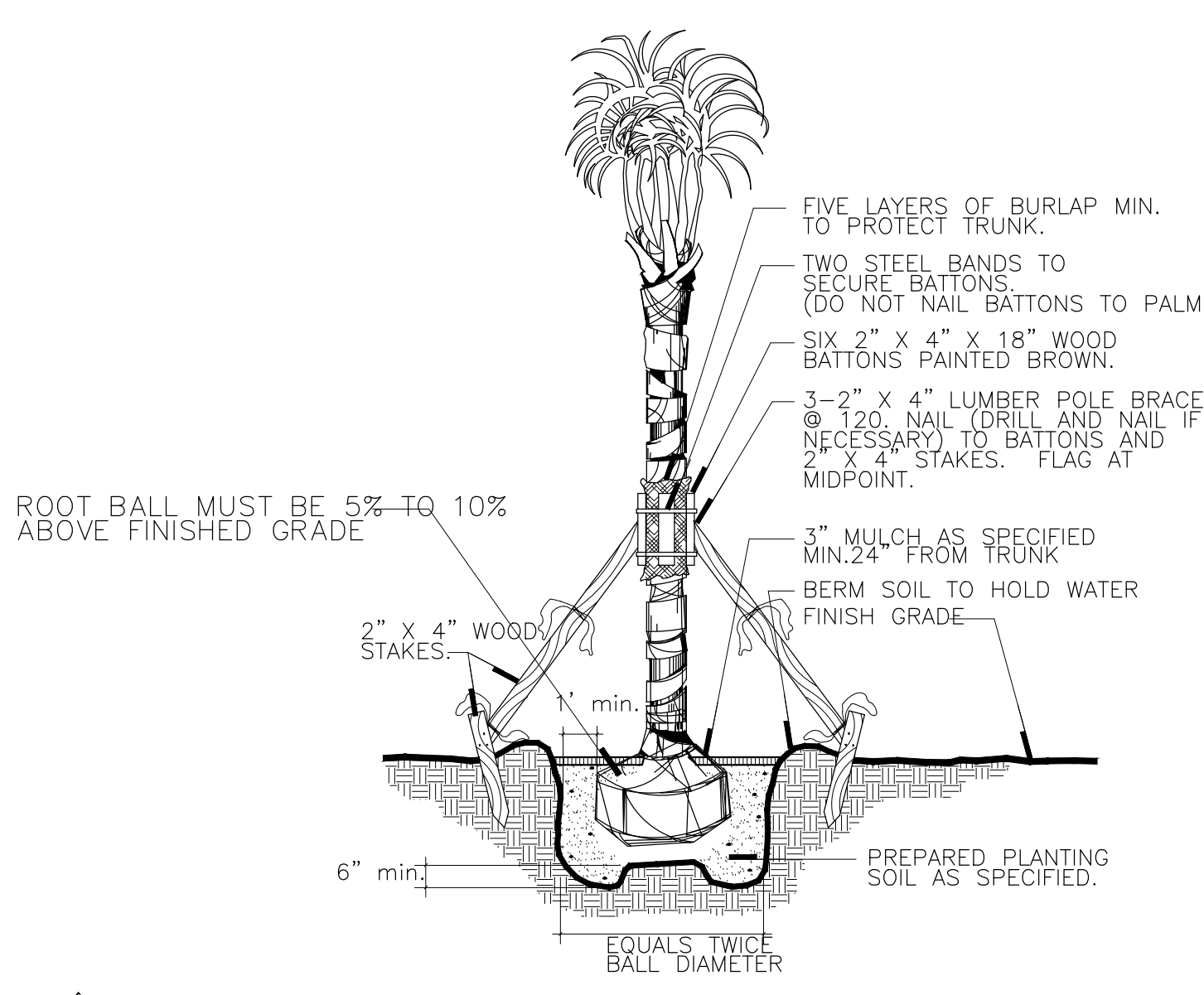
**C TURF/MULCH DETAIL**  
SECTION NOT TO SCALE



**D SHRUB/GROUND COVER SPACING DETAIL**  
PLAN NOT TO SCALE

**LANDSCAPE NOTES**

1. PLANT MATERIAL SHALL CONFORM TO THE GRADES AND STANDARDS FOR FLORIDA NO. 1 OR BETTER AS DESCRIBED IN "GRADES AND STANDARDS FOR NURSERY PLANTS" (LATEST EDITION) BY THE FLORIDA DEPARTMENT OF AGRICULTURE, CONSUMER SERVICES DIVISION.
2. TREES SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS OF THE NATIONAL ARBORIST ASSOCIATION.
3. ALL TREES SHALL BE INSTALLED IN ACCORDANCE WITH THE MINIMUM SIZES SHOWN.
4. TOPSOIL SHALL BE CLEAN AND FREE OF CONSTRUCTION DEBRIS, WEEDS, ROCKS, NOXIOUS PESTS AND DISEASES. IF NECESSARY, AMMEND TOPSOIL WITH HORTICULTURALLY ACCEPTABLE ORGANIC MATERIAL.
5. PLANTING PITS: ALL TREES AND SHRUBS SHALL BE PLANTED IN A PLANTING SOIL CONSISTING OF A MIXTURE OF 50% MUCK AND 50% CLEAN, BROWN SAND. PLANTING HOLES WILL BE TWICE THE SIZE OF THE ROOT BALL OF THE TREE OR SHRUB BEING PLANTED.
6. MULCHING: ALL EXPOSED SOIL AREAS IN PLANTING BEDS, INCLUDING HEDGE ROWS, SHALL BE KEPT WEED FREE AND MULCHED TO A MINIMUM THREE (3) INCH DEPTH, EXCEPT THAT NO MULCH SHALL BE REQUIRED IN ANNUAL BEDS. THE TYPE OF MULCH SHALL BE SHREDDED AND COMPOSTED MELALEUCA TREE, GRADE 'B'. AT A MINIMUM, PROVIDE A 24 INCH RING OF MULCH AROUND TREE TRUNKS LOCATED IN GRASS AREAS.  
\*\* ONLY NON-CYPRESS MULCH IS ALLOWED AND THE MULCH BE KEPT AT LEAST 6 INCHES AWAY FROM TREE AND PALM TRUNKS. NO DYED MULCH SHALL BE USED ON THE SITE.
7. PLANT LIST QUANTITIES ARE PROVIDED FOR CONVENIENCE. IN THE EVENT OF QUANTITY DISCREPANCIES, THE DRAWING SHALL TAKE PRECEDENCE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY PLANT MATERIAL QUANTITIES, INCLUDING SOD, SOIL AND MULCH.
8. TREES AND PALMS SHALL BE GUYED OR STAKED AS PER THE DETAILS.
9. EXISTING IRRIGATION SYSTEM TO BE ADJUSTED SO THAT IT PROVIDES 110 PERCENT COVERAGE, RUST-FREE WITH 50 PERCENT MINIMUM OVERLAP AND AN AUTOMATIC RAIN SENSOR. PROVIDE USE OF BUBBLERS ON ALL TREE AND PALM INSTALLATION.
10. THE IRRIGATION SYSTEM SHALL INCLUDE A RAIN SENSOR DEVICE WHICH WILL LIMIT THE OPERATION OF THE SYSTEM IF SUFFICIENT RAINFALL HAS OCCURED.
11. SOD: THE SPECIES OF GRASS FOR LAWNS SHALL BE ST. AUGUSTINE 'FLORATAM' AND SHALL BE INSTALLED AS SOLID SOD.
12. COORDINATE THE FINAL PLACEMENT OF TREES WITH THE PLACEMENT OF LAMP POST LIGHTING.
13. CONTRACTOR SHALL ENSURE THAT ADEQUATE WATER IS SUFFICIENTLY ESTABLISH PLANT MATERIAL UNTIL IRRIGATION IS 100% OPERABLE.
14. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN AUTHORIZATION NEWLY INSTALLED PLANTINGS TO SUPPLIED IN NECESSARY QUANTITIES TO ALL FROM THE L.A. OR CLIENT
15. IN AREAS WHERE PAVED SURFACES ADJUT SOD OR MULCH, THE FINAL GRADE LEVEL OF BOTH SURFACES SHOULD BE EVEN.
16. NO STREET TREE SHALL BE PLANTED LESS THAN (25) FEET FROM ANY STREET CORNER, MEASURED FROM THE POINT OF INTERESCTING CURBS OR ROADWAY PAVEMENT EDGES.
17. ALL MATERIAL SHALL BE FERTILIZED WITH THE APPROPRIATE FERTILIZER OR TABLETS IMMEDIATELY UPON INSTALLATION.
18. LANDSCAPE AREAS, INCLUDING LANDSCAPED ISLANDS, WITHIN OR ABUTTING VEHICULAR USE AREAS SHALL BE EXCAVATED TO A DEPTH OF TWO AND A HALF FEET (2 1/2') TO ENSURE THAT ADEQUATE PLANTING SOIL EXISITS. PARKING LOT BASE COURSE MATERIAL, LIMEROCK, ASPHALT, AND OTHER SIMILAR MATERIAL SHALL BE REMOVED TO A DEPTH OF TWO AND A HALF FEET (2 1/2')
19. EXISTING TREES AND PALMS REMAINING MUST BE STRUCTURALLY PRUNED BY PROFESSIONALLY LICENSED TREE COMPANY.
20. ALL TREES SHOULD BE PLANTED SO THAT THE TRUNK FLAIR IS VISIBLE AT THE TOP OF THE ROOT BALL. THE TOP OF THE ROOT BALL SHALL BE PLANTED SO THAT IT IS 5% TO 10% ABOVE FINISH GRADE. SOIL MUST NOT BE PLACED OVER THE ROOT BALL.



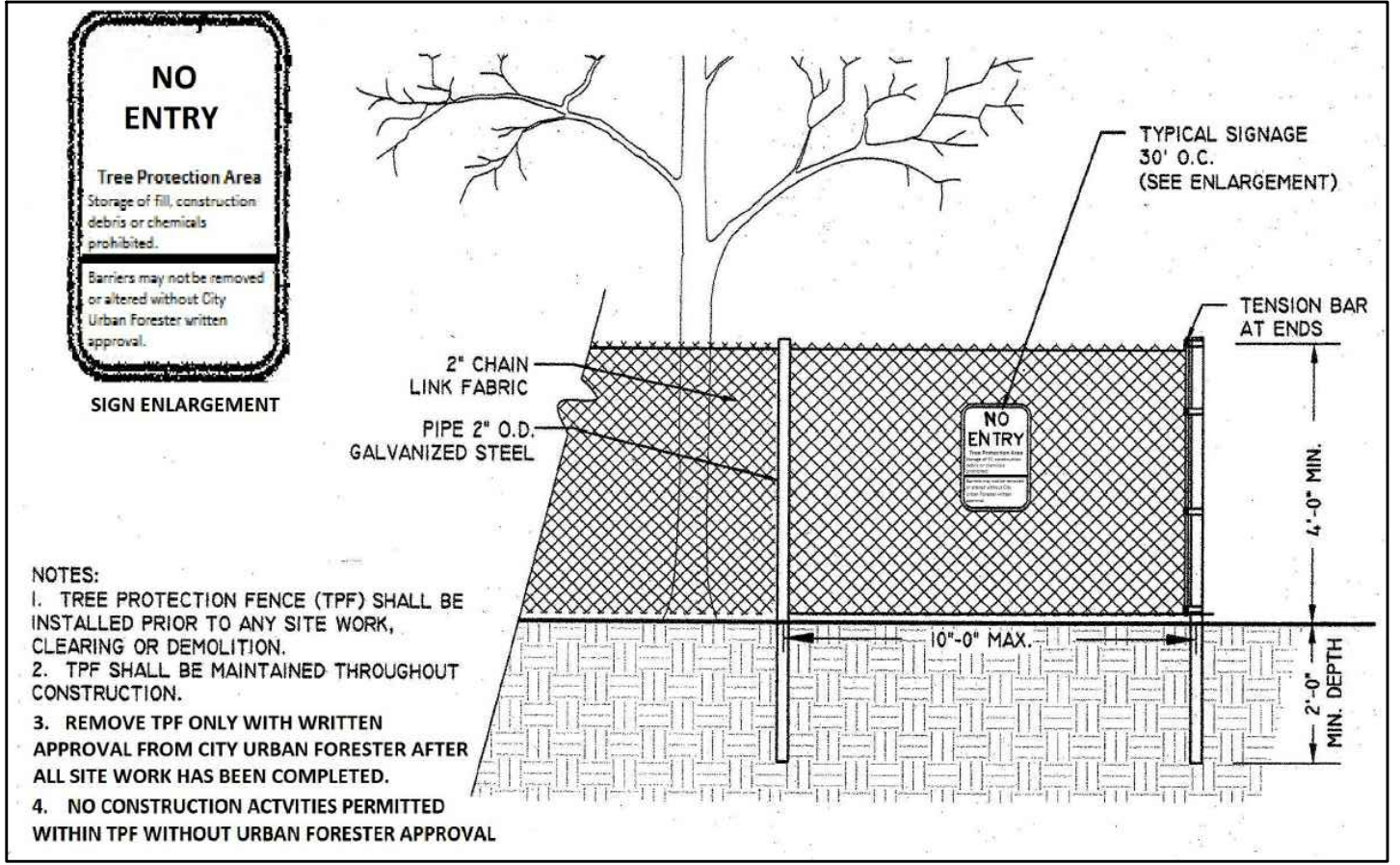
**E PALM DETAIL**  
SECTION NOT TO SCALE

**Landscape Requirements: East Site**

- Zoning Designation: DH-3 (Dixie Highway Multi-Family District)
- Net Lot Total Area (Sq. Ft. and Acres): 77,550 SF (1.78 Acres)  
Net Lot Total Open Space (Sq. Ft. and Acres): 28,844 SF (X.XX Acres)
  - Open Space Requirement: Total Site Pervious Area = 28,844 SF  
1. Required: Minimum % of the Total Pervious Area to be Landscaped = 40%  
Provided = 40%  
2. Required: One Tree (Min. 12' Ht.) per 1,000 SF of Total Pervious Area = 28  
Provided = 28
  - Perimeter Landscape Requirement: Total LF of Street Frontage = 244 LF  
Required: One Street Tree (Min. 12' Ht.) per 50 LF of Street Frontage = 5  
Provided = 5
  - Vehicular Use Requirement: Total Vehicular Use Area = 21,806 SF  
1. Required: % of the VUA which shall be Landscaped = 25%  
Provided = 25%  
2. Required: One Tree (Min. 12' Ht.) per Terminal Island = 10  
Provided = 10
  - Grand Total - Trees:  
1. Trees Required - Grand Total = 43  
Provided = 43  
2. Required: Minimum Number of Tree Species Allowed = 5  
Provided = 5  
3. Max. % of Palms to count toward Tree Requirements (@ 3:1) = 50%  
Provided = 50%  
4. Required: Minimum % of Native Trees / Palms Allowed = 60%  
Provided = 60%  
5. Required: Minimum % of Native Shrubs = 50%  
Provided = 50%

**NOT FOR CONSTRUCTION**  
THESE PLANS HAVE NOT BEEN APPROVED BY THE GOVERNING AGENCY AND ARE SUBJECT TO CHANGE.

Always call 811 two full business days before you dig



**F TREE PROTECTION FENCE DETAIL**  
SECTION NOT TO SCALE

**DAVID FONT DESIGN**  
INTERIOR | EXTERIOR  
7551 WILLES ROAD, SUITE 105B  
CORAL SPRING, FLORIDA 33067  
PH: 954.283.8839 FAX: 954.773.9841  
EMAIL: INFO@DAVIDFONTDESIGN.COM



**PINNACLE AT PEACEFIELD**  
ADAMS STREET  
HOLLYWOOD, FLORIDA



DAVID FONT, ASLA, FLA  
LA 6666822

REVISIONS:  
COMMENT RESPONSES 2.20.2018

SUBMITTAL  
3/5/2018

**LA-3C**

**Applicable Documents:**

A. These Specifications and the requirements hereinafter will govern this project during the installation, guarantee and maintenance period.

**Scope of Work:**

A. The work specified by this Section of the Specifications and on the Plans consists of furnishing all labor, machinery, tools, apparatus, means of transportation, supplies, equipment, materials, services and incidentals necessary to complete the work as indicated on the Plans and in the Specifications, as well as all other related responsibilities, including all change and repairs incident thereto.

B. The work shall include, but not be limited to, furnishing material, root pruning where required, layout, protection to the public, excavation, installation, backfilling, grading, fertilizing, mulching, staking and guying where required, watering, pruning where required, and installation, weeding, cleanup, maintenance and guarantee.

C. Quantities and Location: The Landscape Architect reserves the right to adjust the numbers and locations of the designated types and species to be used at any of the locations shown in order to provide for any modifications which might be necessary.

D. Investigation of Subsurface Condition: The Contractor shall be responsible for making site subsurface investigations and examination as he or she chooses in order to become familiar with the character of the existing material and the construction conditions under which he or she will work. These subsurface investigations and examinations shall be included in the bid. The Contractor shall not receive separate, additional compensation for this.

E. The Landscape Contractor shall be paid for only those units that are installed at the time of request for payment. The contractor's unit prices shall be the basis for said payment. The final amount of payment may or may not be the total sum of the contract depending on the number of units installed.

F. Ten percent (10%) of the total contract price will be held as retainer for 30 days after final written acceptance.

G. The Landscape Contractor will coordinate his work with all other trades at the job site.

**Quality Assurance:**

A. The Landscape Architect may inspect trees, shrubs, and groundcover either at the place of growth or at the site before planting for compliance with the requirements for name, variety, size, and quality. The Landscape Architect retains the right to further inspect trees and shrubs for size and condition of balls and root system, insects, injuries, and latent defects, and try to reject unsatisfactory or defective material at any time during the progress of work. The Landscape Contractor shall remove rejected trees or shrubs within 7 days from the project site.

**Responsibility for Assuring Quality Work:**

(1) The Contractor's Superintendent shall speak English and be well versed in Florida plant material, planting operations, Plan and Specification interpretation, coordination with other contracts or service in the project area and coordination between the nursery and the project.

(2) All employees shall be competent and highly skilled in their particular job in order to properly perform the work assigned to them. The Contractor shall be responsible for maintaining the quality of the material on the project.

(3) The Contractor will comply with applicable Federal, State, County and local requirements governing landscape materials and work.

**Grade Standards:**

(1) Plant material shall be Florida #1 or better as set forth in the latest edition of the Florida Department of Agriculture's Grades and Standards for Nursery Plants.

(2) All plant material will be subject to the approval of the Landscape Architect for quality, size and color. Plants lacking the compactness or proper proportions, plants which are weak or thin, and plants injured by close planting in nursery rows will not be accepted. Plant materials which have been cut back from larger grades to meet certain specification requirements will be rejected.

(3) Plant material shall have normal, well developed branches and shall be vigorous plants, free from defects, decay, burns, disfiguring roots, sun-cold injuries, abrasion of the bark, plant diseases, insect pest eggs, borers, and all forms of infestations or objectionable disfigurements.

**Delivery, Handling and Storage:**

**A. Delivery and Handling:**

(1) Movement of nursery stock shall comply with all Federal, State, and local laws, regulations, ordinances, codes, etc.

(2) Protect during delivery to prevent damage to root ball or desiccation of leaves. Remove unacceptable plant materials immediately from the job site. Maintain and protect while stored at the site.

(3) Transport materials on vehicles large enough to allow plants not to be crowded and damaged. Flats shall be covered to prevent wind damage during transit.

(1) Deliver sod on pallets with root system protected from exposure to wind and sun. Deliver sod in quantities capable of being installed within 48 hours of cutting.

**Submittals & Approval:**

A. Written request for approval to substitute a plant species or a plants designation (B4B, WB4B, CG etc.), type, grade, quality, size, quantity, etc. due to the non-availability of the material specified. Approval must be given by the Landscape Architect before the material is delivered and installed on the project. The Contractor must provide written proof that the specified plant material is unavailable.

B. Any request for the approval of an equal shall be in writing. Approval shall be given by the Landscape Architect before the material is delivered and installed on the project.

C. Submit shop drawings for any special conditions not covered in the details indicated. This shall be for approval by the Landscape Architect before they are implemented in the project.

D. If requested by the Owner or Landscape Architect submit a schedule of all specimen plant material and collected plant material indicating the sources or suppliers of these materials and the locations for approval by the Landscape Architect before they are delivered and installed on the project. Also, two color photographs of each different item, showing different side views of the item shall be submitted with the schedule. Additional color photographs shall be submitted, if requested.

E. If requested by the Owner or Landscape Architect, submit a letter indicating the sources or suppliers of all sod and the grade to be supplied for approval by the Landscape Architect before it is delivered and installed on the project.

F. If requested by the Owner or Landscape Architect, submit a sample and analysis of all planting soil types for approval by the Landscape Architect before the material is delivered and installed on the project. Submit a sample of the mulch for approval by the Landscape Architect.

H. If requested by the Owner or Landscape Architect, submit sources of the material before the material is delivered and installed on the project.

I. Submit prints of shop drawing for all staking and guying methods to be used if the ones indicated in these Specifications and on the Plans are not to be implemented, staking and guying methods before they are implemented in the Landscape Architect will approve all shop drawings of project.

J. Submit in writing any hindrance to the owners routine maintenance or lack of, that may affect installed plant materials growth or survival, that would affect the guarantee of plant material.

K. Submit in writing any hindrance to the timely completion of the installation.

L. Submit and Certificate of Inspection of plant material as may be required by, State, local or Federal Authorities.

**Substitutions:**

A. When the specifies plant designation (B4B, WB4B, CG etc.), type, grade, quality, size, quantity, etc. of a material is not available, the Contractor shall submit a written request, to the Landscape Architect, for a substitution along with written, documented proof that the plant designation (B4B, WB4B, CG, etc.), type, grade, quality, size, quantity, etc. of material is not available. The Landscape Architect shall approve all substitutions before they are delivered and installed. Do not deliver and install any material, which is anticipated to be a substitute, before it has been submitted in writing and approved as a substitute by the Landscape Architect. Also, any changes, if any, to the contract amount because of an approved substitute, shall be established in writing between the Owner and the Contractor before the material substitute is delivered and installed on the project.

**Guarantee:**

A. The guarantee shall not begin until the day final written acceptance is given.

B. All plant material, except sod, trees and palms, shall be guaranteed for a minimum of 1 year from the time of final acceptance. All sod shall be guaranteed for a minimum of 60 days from the time of final acceptance. All trees and palms are to be guaranteed for one year from the time of final acceptance.

C. The guarantee shall be null and void for plant material which is damaged or dies as a result of "Acts of God" limited to hail, freeze, lightning, and winds which exceed hurricane force, providing the plant use in a healthy growing condition prior to these "Acts of God".

D. At the option of the Owner, and inspections may be made at the end of the guarantee period, but prior to the last day of the guarantee period.

**Replacement:**

A. The guaranteeing of a plant material shall be construed to mean the complete and immediate replacement of plant material within 3 calendar days if it is:

(1) Not in a healthy growing condition and thus renders it below the minimum quality indicated in the Specifications.

(2) There is a question to its ability to survive after the end of the guarantee period that would render it below the minimum quality indicated in the Specifications.

(3) It is dead.

B. The 3 calendar days may be extended due to seasonal conditions, availability, preparation time such as root pruning, etc., only if approved by the Landscape Architect in advance. The extended time shall be negotiated between all parties concerned, but must receive final approval by the Landscape Architect.

**C. Size, Quality, and Grade:**

(1) Replacement plant material shall be one of the same species quality and grade as that of the plant to be replaced. The size of the replacement shall not necessarily be the same size as the original specified plant, at its initial planting. The replacement shall be of equal size to the plant to be replaced at the time it has been determined that it must be replaced.

However, if for some reason, the plant to be replaced is smaller than the size originally specified, the replacement shall be at least equal to the originally specifies size.

(2) Replacements shall be guaranteed for a period equal to the originally specifies guarantee. The guarantee period shall begin at time of acceptable replacement.

(3) Final payment to the Contractor shall not relieve he or she of the guarantee obligations.

**Plan and Specification Interpretation:**

A. On the Plans, figured dimensions shall govern over scaled dimensions. If any error or discrepancy is found in the Plans and Specifications, the Contractor shall refer the same to the Landscape Architect for an interpretation and decision. In resolving conflicts between the Plans and Specifications, THE PLANS SHALL GOVERN over the Specifications. The Landscape Architect shall have the right to correct apparent errors or omissions in the Plans and Specifications and to make such interpretations as he or she may deem necessary for the proper fulfillment of the intent of the Plans and Specifications.

**Permits and Codes:**

A. The Contractor shall procure all necessary permits to accomplish all of the work.

B. The Contractor is responsible for performing all work in accordance with all applicable regulations, ordinances and code requirements from the appropriate city, county, state and/or Federal jurisdiction the project is located in.

**Changes and Additional Work:**

A. The Contractor shall not start on any changes or additional work in the project until a written agreement setting forth the adjusted contract amount has been executed by the Owner and the Contractor. Any work performed on any changes or additional work prior to the execution of a written agreement may or may not be compensated for.

'Job Site', 'Project Site Etc.')

A. The words 'job site', 'project site', 'job', 'project' and 'site' shall be synonymous with one another when used in these documents.

**Safety On and Off the Job Site:**

A. In performing the scope of work, all safety on or off the job site shall be the sole responsibility of the Contractor. The Landscape Architect shall not be responsible for safety on or off the job site.

B. The Landscape Architect's on site observations or inspections shall be only for the purpose of verifying that the Plans and Specifications are being implemented properly. The Landscape Architect's on site observations or inspections are not for safety on or off the job site.

**On Site Observations and Inspections:**

A. The Contractor shall make requests for on site observations or inspections 48 hours in advance and they shall be in writing, if directed by the Landscape Architect.

B. If an inspection is related to completion and final acceptance, the request shall be made in writing 48 hours in advance.

C. An inspections at the growing site does not preclude the right of rejection at the project site.

D. The fact that the Landscape Architect has not made an early on site observation or inspections to discover faulty work or work omitted, or work performed which is not in accordance with the contract requirements, shall not bar the Landscape Architect from subsequently rejecting such work at a later date.

E. The Landscape Architect's on site observations or inspections shall be only for the purpose of verifying that the Plans and Specifications are being implemented properly. The Landscape Architect's on site observations or inspections are not intended to take charge, direct, run or manage the implementation of the Plans and Specifications or take charge, organize or manage the Contractor while performing the scope of work indicated in these Specifications.

**Plant Material:**

A. Plant material shall be nursery grown except:

(1) Where specified as collected material

(2) Where approved by the Landscape Architect for such plant material which is only available as a collected item from sources such as residences.

B. Except where another grade is specifically called for in the Plans, all plant material, including rootstock material if specified, shall be no less than Florida #1, or better, at the time of installation and final acceptance. Existing plant material to remain or to be relocated shall be excluded from this requirement.

C. Habit of Growth: All plant material shall have a habit of growth that is normal for that species and shall be sound, healthy, vigorous and free from insects, plant diseases and injuries.

D. Measurement of Trees, Palms, Shrubs, and Groundcover:

(1) Trees, Shrubs, and Groundcover:

CALIFER	MIN. BALL DIA.	MIN. BALL DEPTH
1 - 15'	16"	75% of dia.
2 - 25'	20"	65% of dia.
15 - 25'	22"	60% of dia.
15 - 17 1/2'	24"	65% of dia.
25 - 35'	26"	65% of dia.
35 - 4'	30"	65% of dia.
4 - 45'	38"	60% of dia.
45 - 5'	42"	60% of dia.
5 - 5 1/2'	34"	60% of dia.
5 1/2' or more	Increase in proportion	60% of dia. up to 48', then decrease in proportion for larger size diameter.

(2) Height: The height of plant material shall be measured from finish grade and continue up to where the main mass of the plant uniformly ends. The height shall not include any singular or isolated parts of the plant, such as leaves, shoots, branches, limbs or fronds, which extend out beyond the main mass of the plant.

E. Die-Back and Leaf Drop: plant material showing signs of die-back of leaf-drop will not be accepted and must be removed from the project immediately if so directed by the Landscape Architect. Therefore, any plant material with tendencies toward leaf-drop or die-back must be root pruned early enough to provide a sound network of hair roots prior to relocation.

F. Mechanical Destruction of Foliage: Mechanical destruction of foliage resulting from root pruning shall not affect more than 10% of the total foliage prior to planting on the project. Loss of foliage caused by seasonal change will be accepted.

G. Spanish Moss: If Spanish Moss (Tillandsia usneoides) exists on plant material, it shall be completely removed prior to planting on the project.

H. Palms:

(1) Remove a minimum of fronds from the crown of the palms to facilitate transporting and handling.

(2) Palm frond tying shall be as set forth in the latest edition of the Florida Department of Agriculture's "Grades and Standards for Nursery Plants". Tying palms shall be at the option of the Contractor. The Landscape Architect may direct the Landscape Contractor to untie Palm fronds to accommodate a owners "grand opening". The Contractor may re-tie the palm after the event. This untieing will not affect the guarantee or represent an additional cost to the owner.

(3) To reduce head volume, Palm fronds may be taper trimmed by not more than one-third.

(4) Palms with mechanical damage, such as from cables, chains, equipment and nails, shall be rejected.

I. Chloroxal: The allowable level of Chloroxal in foliage shall be set forth in the latest edition of the Florida Department of Agriculture's "Grades and Standards for Nursery Plants".

J. Plant material shall not be accepted when the ball of earth surrounding its roots has been cracked, broken or otherwise damaged.

K. Root pruning of plant material, when necessary, shall be done a minimum of 4 weeks, or for a period as determined by the Landscape Architect, prior to planting at the project.

**Sod:**

A. Sod shall be solid sod and shall be standard quality grade. Note: Quality grade shall be based on the standards of sod quality grades (premium, standard or commercial) as established by the Turf grass Producers Association of Florida Inc. The sod shall be well matted with roots and of firm, tough texture having a compact top growth and heavy root development. Sod shall be free of objectionable grassy and broad leaf weeds. Sod shall not accepted if it contains Bermuda Grass. Sod sections shall be strong enough to support when suspended vertically from a firm grasp on the upper 10% of the section. Sod shall not be harvested or transplanted when moisture content (excessively dry or wet) may adversely affect its survival. Sod shall be relatively free of thatch, up to one half inch allowable (uncompressed).

The soil embedded in the sod shall be a clean, earth, free of stones and debris. The sod shall have been mowed at least three times with a lawn mower with final mowing not more than seven days prior to the sod being out for placement. The sod shall be provided in commercial pad sizes measuring not less than 12 inches by 24 inches and shall be live, fresh and unjured at the time of placement. It shall be planted within 48 hours after being cut and shall be shaded and kept moist from the time it is cut until it is planted.

**Planting Soil:**

A. All plant material, unless indicated otherwise, shall be installed with a planting soil composed of sandy loam (50% sand, and 50% muck) typical of the locality. The soil must be taken from ground that has never been stripped, with a slight acid reaction (5.5 to 6.5 ph) and without an excess of calcium or carbonate. Soil shall be delivered in a loose friable condition.

**Water:**

A. Potable, from municipal water supplies or other sources which are approved by a public health department.

**Mulch:**

A. Mulch shall be:

(1) 'Floramulch'

**Fertilizer:**

A. New and existing Trees and Palms: Fertilize with 8-2-12 palm fertilizer with micronutrients per manufacturer's recommendations.

B. New and existing Shrubs, and Groundcover: Fertilize with 8-2-12 palm fertilizer with micronutrients at a rate of 1/2 lb. per 1000 SF of area.

C. Annuals: Fertilize with Omocote - Sierra Blend 14-14-14 or approved equal.

D. Composition and Quality: All fertilizer shall be uniform in composition and dry. Granular fertilizer shall be free flowing and delivered in unopened bags. All bags containers or boxes shall be fully labeled with the manufacturer's analysis.

E. All fertilizer shall comply with the State of Florida fertilizer laws.

Installation:

A. General: The Contractor shall lay out on the ground the locations for the plants and outlines of areas to be planted and obtain approval of the Landscape Architect before excavation is begun. The Landscape Architect may adjust the location of specifies plant materials prior to planting.

B. Setting of Plants:

(1) All plants shall be set at the proper level so that after settlement, a normal or natural relationship between the crown of the plant and the surrounding ground surface exists. The plants shall be set vertically. After excavation of planting pits and prior to placement of the plant material, fill the planting pits with water. The plant hole shall be backfilled with topsoil mixture placed in layers around the roots or ball. Each layer shall be carefully tamped in place, when partially backfilled and compacted, the hole shall be filled with water and the soil allowed to settle around the roots; the ball ties shall be cut and at the burlap peel down 1/3 from the top of the rootball and cut or adjusted to prevent the formation of air pockets before applying the water. After the water has been absorbed the plant hole shall be filled with topsoil mixture and tamped to grade. Subsoil removed from tree pit shall not be mixed or used in any way with the topsoil mixture.

(2) The Contractor shall take immediate steps to repair, replace, or restore all services to any utilities or other facilities which are disrupted due to his or her additional outside services which may be necessary to prosecute repairs on a continuous "around the clock" basis until services are restored. He or she shall also provide and operate any supplemental temporary services to maintain uninterrupted use of the facilities. All costs involved in the repairs and restoring disrupted services resulting from the negligence of the Contractor shall be borne by the Contractor and he or she shall be fully responsible for any and all claims resulting from the damage.

(3) Should utilities, structures, etc. be encountered which interfere with the work, the Landscape Architect shall be consulted immediately in order for a decision to be made on the relocation of the work so it will clear the obstruction, if the obstruction cannot be relocated.

(4) The Contractor shall not purposefully disrupt or disconnect any type of utility whatsoever without first obtaining the written permission of the Landscape Architect. Requests for disconnection must be in writing and received by the Landscape Architect at least 72 hours prior to the time of the requested interruption.

Grades:

A. Its shall be the responsibility of the Contractor to provide the final grading so the final level for planting areas conforms to surrounding grades and is at the proper elevation with relation to walks, paving, drain structures and other site conditions, unless indicated otherwise on the plans.

B. Plant Area Next to Pavement: All planting areas next to pavement areas, such as, but not limited to, curbs, roads, drives, walks, terraces, decks and slabs shall be set so that the TOP OF THE MULCH IS 1 INCH BELOW THE TOP OF THE PAVEMENT AREA or as indicated otherwise on the plans.

Preparation:

A. Staking Plant Locations: Stake or mark plant material locations prior to plant hole excavation, based on information from the plans.

**EXECUTION:**

**Installation:**

A. Utilities (Above Ground and Underground):

(1) The work area may have existing utilities, such as, but not limited to, water, gas, electric and storm sewer. The location of some of these existing utilities have been indicated on the Plans.

However, no guarantee is implied that the Plans are accurate or complete. It shall be the responsibility of the Contractor to verify the location of all such utilities, structures, etc. by hand excavation or other appropriate measures before performing any work that could result in damage or injury to persons, utilities, structures or property. The Contractor shall make a thorough search of the site for utilities, structures, etc. before work is commenced in any particular location.

(2) The Contractor shall take immediate steps to repair, replace, or restore all services to any utilities or other facilities which are disrupted due to his or her additional outside services which may be necessary to prosecute repairs on a continuous "around the clock" basis until services are restored. He or she shall also provide and operate any supplemental temporary services to maintain uninterrupted use of the facilities. All costs involved in the repairs and restoring disrupted services resulting from the negligence of the Contractor shall be borne by the Contractor and he or she shall be fully responsible for any and all claims resulting from the damage.

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Preparation:

A. Staking Plant Locations: Stake or mark plant material locations prior to plant hole excavation, based on information from the plans.

B. Spacing of Groundcover 4 Shrubs: The location of a planting bed (shrub or groundcover) next to another bed, walkway, structure, etc. shall have the plants along the perimeter spaced so that the plants can mature properly without growing into the other bed, walkway, structure, etc.

C. The rootballs of B4B plants which cannot be planted immediately shall be covered with moist soil or mulch to insure protection from drying winds and sun. All plants shall be maintained as necessary until planting.

D. Subsurface Conditions: Some or all work areas may be compacted and/or contain existing material such as linerock which may interfere with adequate vertical drainage and/or proper plant survival and growth and therefore removal of this material is part of the scope of work for the project. The Contractor shall be responsible for insuring adequate drainage in these areas and shall remove this existing material as required, by such means as digging, drilling or rototilling. If necessary, excavate to a depth beyond the required excavation depth for the plant hole, in order to insure proper vertical drainage necessary for plant survival and growth.

E. Remove undesirable existing vegetation present on the project by use of chemicals and/or mechanical means which are acceptable to the Landscape Architect. Apply chemicals as recommended by the manufacturer. Exercise care to avoid any misuse of the chemicals which will cause detrimental residual conditions. Care shall also be used so that any final grades which have been established are not altered.

F. Excavation of Plant Holes:

(1) General:

a. Excavation of plant holes shall be roughly cylindrical in shape with the sides approximately vertical. The Landscape Architect reserves the right to adjust the size and shape of the plant hole and the location of the plant in the hole to compensate for anticipated structures or unanticipated factors which are a conflict.

b. The excavated material from the plant holes shall not be used to backfill around the plant material. Such material shall be disposed of either on the project site or off the site, as directed by the Landscape Architect.

(2) The Contractor shall lay out on the ground the locations for the plants and outlines of areas to be planted and obtain approval of the Landscape Architect before excavation is begun. The Landscape Architect may adjust the location of specifies plant materials prior to planting.

(3) There is no source for water available at the project, such as a hose bib (s) or fire hydrant (s) if approved for use, then the Contractor shall be responsible for supplying water for watering, by such means as a water truck or tank.

(4) The Landscape Architect shall be contacted prior to performing any major pruning and thinning. The Landscape Architect may elect to be present during any pruning and thinning.

(5) In the event that weeds or other undesirable vegetation becomes prevalent to such an extent that they threaten plant material, they shall be removed as directed by the Landscape Architect. This condition shall apply until final acceptance.

(6) The Contractor shall completely maintain the sod until final acceptance by mowing or spraying as necessary.

(7) The Contractor shall be responsible for insuring adequate drainage in these areas and shall remove this existing material as required, by such means as digging, drilling or rototilling. If necessary, excavate to a depth beyond the required excavation depth for the plant hole, in order to insure proper vertical drainage necessary for plant survival and growth.

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NOTE: APPROXIMATE SPECIES AND HEIGHT BASED ON TWO YEAR GROWTH RATE. RENDERING FOR CONCEPTUAL PURPOSES ONLY.



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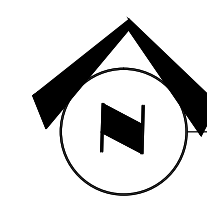
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REVISIONS:  
COMMENT RESPONSES 2.20.2018

SUBMITTAL  
3/5/2018

LA-5C



SITE E (EAST SITE) - LANDSCAPE ELEVATION RENDERING

SEE GRAPHIC SCALE