

#### Landscape Calculations

Site Data

Landuse: Multi family Residential Project Area: 716,057sf (16.44AC)

Open Space Requirements

Multifamily requires 35% open space 716,057 sf Development x 35% = 250,620 sf required Open space provided = <u>280,450</u> sf Provided per hatching,

General On-Site Tree Requirements Mutli-family developments require 1 tree per 3,000 sf. 649,125 sf (excludes FPL easement)/ 3,000 = 217 Trees required and 263 Provided (G)

Internal Parking Landscape Requirement Internal landscape areas of 10% of the parking area is required.

222,114 sf x10% =22,211 s.f. REQUIRED and 28,975 s.f.

Per Sec 138-41(3), Curbed parking islands, peninsulas and

Require 1 Tree and 10 Shrubs per 200 sf.

22,211 s.f. Parking Islands exist /200 sf = 111 Trees Required and 114 Provided, labeled as (P) Parking Trees.

22,211 s.f. Parking Islands exist /200 sf = 111 x 10 Shrubs = 1,110 Shrubs Required and 1,188 Provided, labeled as (p)

#### **Building Perimeter Planting**

A required 10% of the proposed gross footprint must be provided for the building perimeter planting area. Abutting all side excluding loading area, with 5' width and maximum of 10% of total area as turf.

10% minimum provided for each building type. Refer to typical building perimeter planting plans sheet L-7.

#### AMENITY BUILDING

3,600 SF X 10% = 360 SF REQUIRED. 1,500 SF. PROVIDED

#### TYPE 'A' BUILDING

8,700 SF X 10% = 870 SF REQUIRED 1,500 SF. PROVIDED

7,150 SF X 10% = 715 SF REQUIRED 1,200 SF. PROVIDED

#### **Buffer Requirements**

#### **BUFFER #1**

MTF -ROW Type 'B' Buffer Required 15' Minimum Buffer Width 4 Trees/66 Shrubs Trees: 4 Per 100 LF. 1000 LF/100 x 4 = 40 Trees Required and <u>41</u> Provided Shrubs: 66 Per 100 LF. 1000 /100 x 66 = 660 Shrubs Required and <u>724</u> Provided

#### BUFFER #2

MTF - ROW Type 'B' Buffer Required 15' Minimum Buffer Width 4 Trees/66 Shrubs Trees: 4 Per 100 LF. 806 LF/100 x 4 = 33 Trees Required and 42 Provided Shrubs: 66 Per 100 LF.806 /100 x 66 = 532 Shrubs Required and 540 Provided

#### BUFFER #3

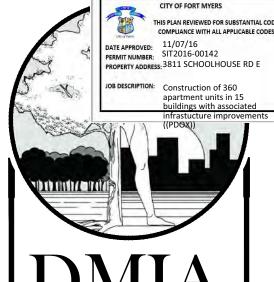
VERONICA SHOEMAKER BLVD STREET TREE MTF - ROW Type 'B' Buffer Required 15' Minimum Buffer Width 4 Trees/66 Shrubs Trees: Per street tree requirement below. Shrubs: 66 Per 100 LF. 1100 /100 x 66 = 726 Shrubs Required and 762 Provided

- Veronica S. Shoemaker Boulevard, from Edgewood Avenue south to Colonial Boulevard:
- a. Tree type: Three Sabal Palms alternated with one Lavender Tabebuia.
- b. Spacing: Sabal Palms ten feet apart; Lavender Tabebuia 20 feet from palms.
- c. Minimum size at planting: Each cluster shall consist of one 16-foot to 18-foot, one 12-foot to 14-foot, and one ten-foot to 12-foot palm overall height; Lavender Tabebuia ten feet to 12 feet high with three-inch to four-inch caliper at 12 inches from base of trunk.

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#### BUFFER #4

MTF - MTF Type 'D' Buffer Required 5' Minimum Buffer Width 4 Trees/ 33 Shrubs Trees: 4 Per 100 LF. 400 LF/100 x 4 = 16 Trees Required and 16 Provided Shrubs: 33 Per 100 LF. 400 /100 x 33 = 132 Shrubs Required and 133 Provided



DAVID M. JONES, JR. AND ASSOCIATES, INC LANDSCAPE ARCHITECTS AND PLANNERS

☐ 2221 McGregor Blvd. Fort Myers, Florida 33901 PHONE: (239) 337-5525 ☐ FAX (239) 337-4494

☐ 2705 Tamiami Trail Unit 415 Punta Gorda, Florida 33950 PHONE: (941) 639-2450 ☐FAX (941) 639-2438 L.A. LICENSE: LC COOOO63

PROJECT INFORMATION:

### **ARBOR** GLENN

VERONICA SHOEMAKER BOULEVARD FORT MYERS. FLORIDA

PREPARED FOR: Banks Engineering 10511 Six Mile Cypress Pkwy Fort Myers, Florida 33966 Tel: 239-939-5490

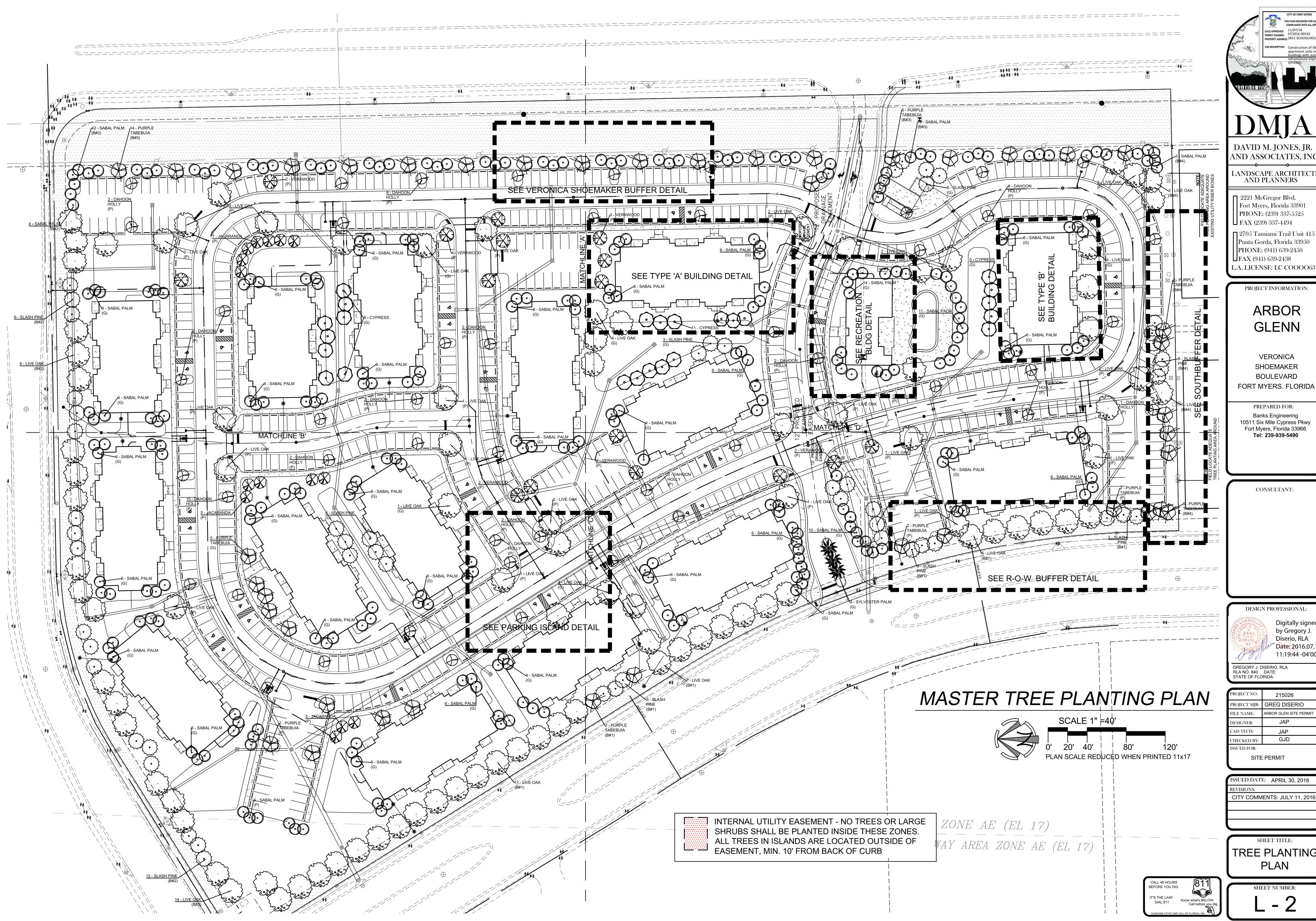
CONSULTANT:



PROJECT NO.	215026		
PROJECT MJR: GREG DISERIO			
FILE NAME:	ARBOR GLEN SITE PERMIT LS		
DESIGNER:	JAP		
CAD TECH:	JAP		
CHECKED BY: GJD			
ISSUED FOR:			
SITE	PERMIT		

SSUED DATE: APRIL 30, 2016 CITY COMMENTS: JULY 11, 2016

SITE PLAN AND CALCULATIONS



AND ASSOCIATES, INC

2221 McGregor Blvd. Fort Myers, Florida 33901 PHONE: (239) 337-5525

Punta Gorda, Florida 33950 PHONE: (941) 639-2450 □FAX (941) 639-2438

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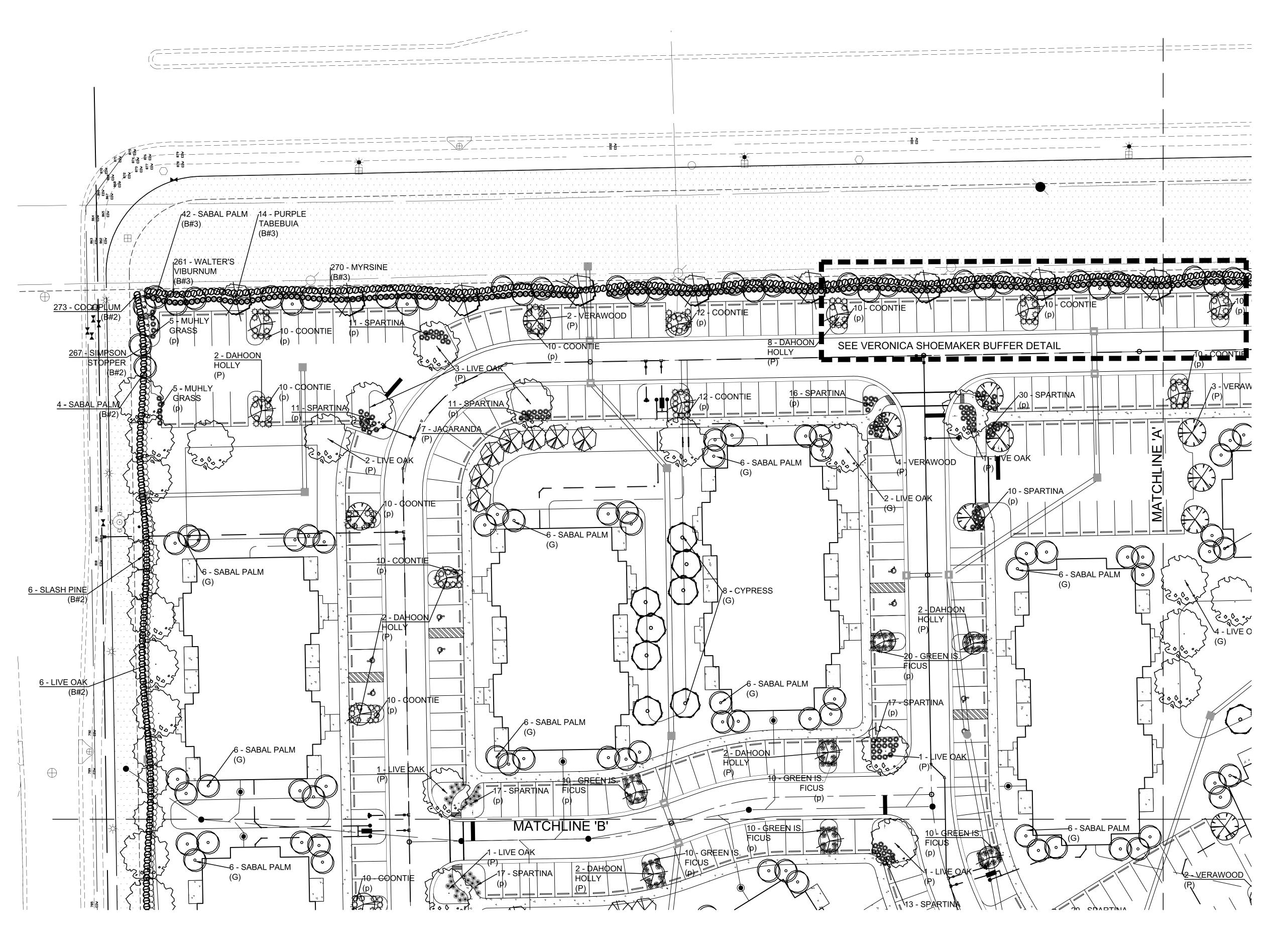
by Gregory J.

GREGORY J. DISERIO, RLA RLA NO. 840 DATE: STATE OF FLORIDA

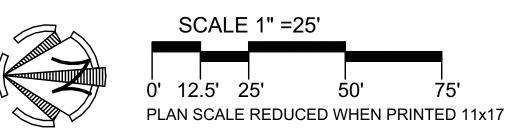
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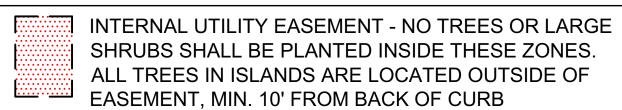
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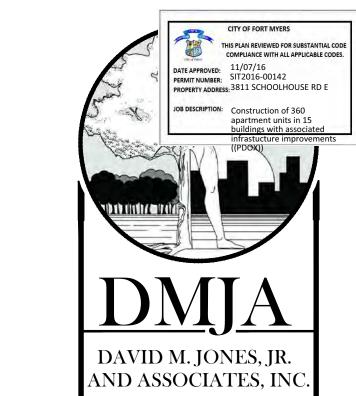
TREE PLANTING PLAN



TREE PLANTING PLAN







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☐ FAX (239) 337-4494

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FORT MYERS. FLORIDA

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Banks Engineering
10511 Six Mile Cypress Pkwy
Fort Myers, Florida 33966
Tel: 239-939-5490

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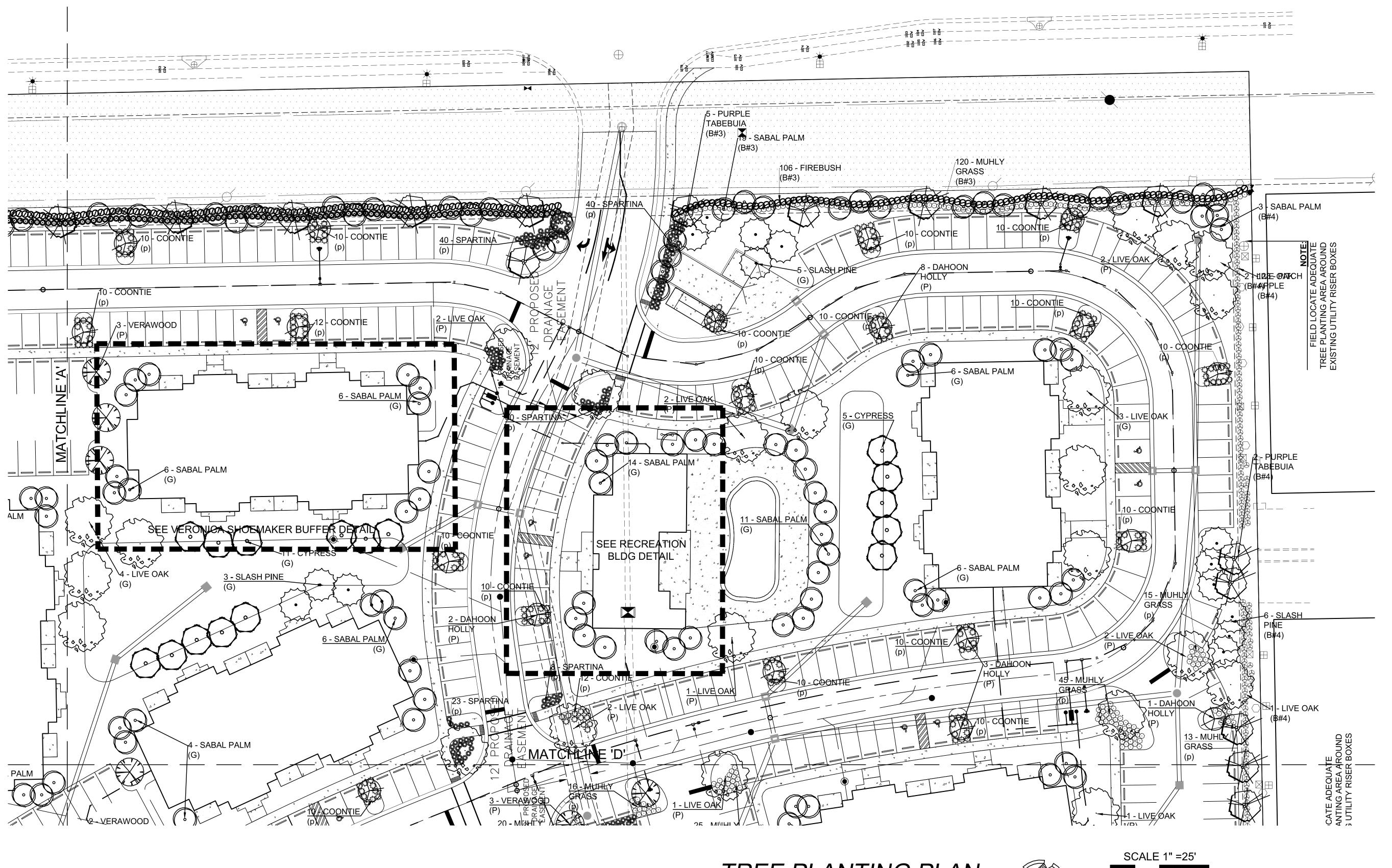
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TREE PLANTING
PLAN

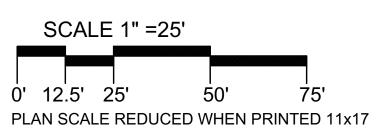






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PREPARED FOR:

Banks Engineering
10511 Six Mile Cypress Pkwy
Fort Myers, Florida 33966
Tel: 239-939-5490

CONSULTANT:

DESIGN PROFESSIONAL:
Digitally signed by Gregory J.
Diserio, RLA
Date:
2016.07.13
11:20:12 -04'00'

GREGORY J. DISERIO, RLA
RLA NO. 840 DATE:
STATE OF FLORIDA

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TREE PLANTING
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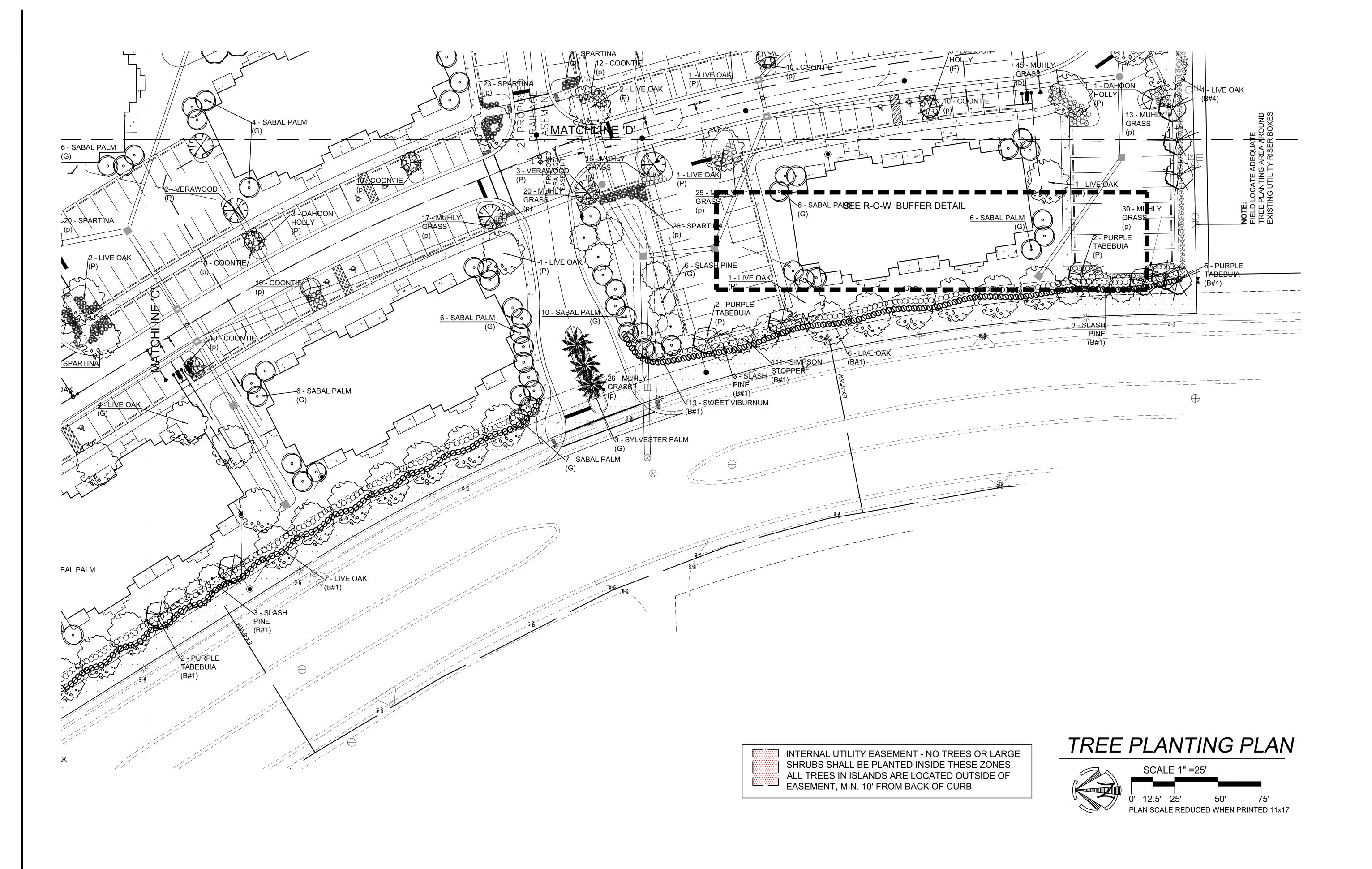
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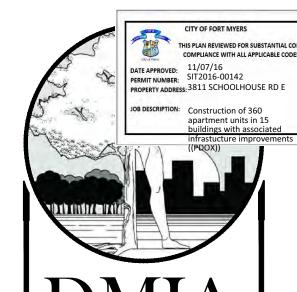
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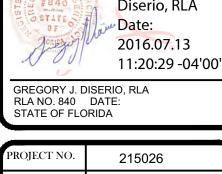
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by Gregory J. Diserio, RLA

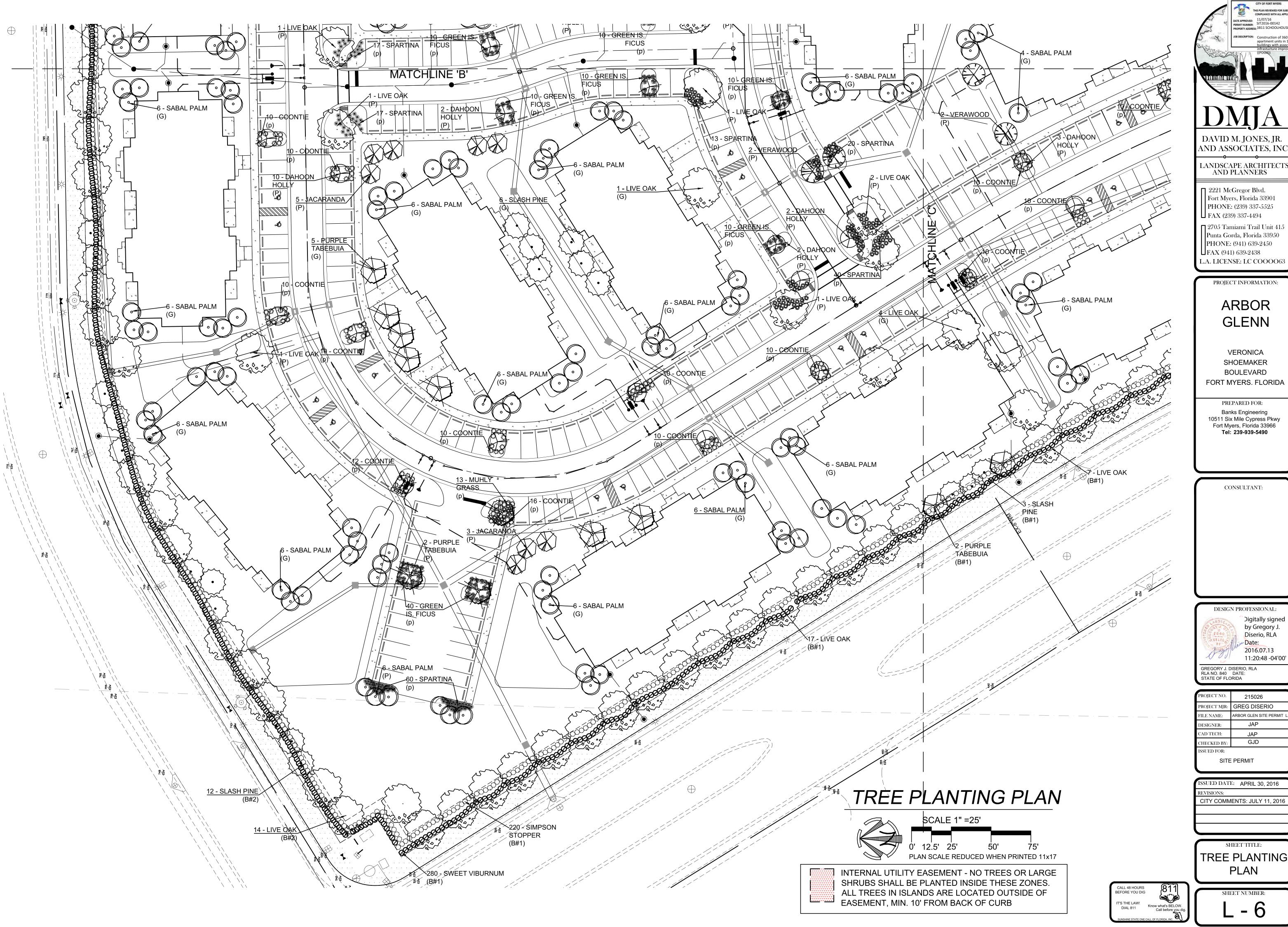


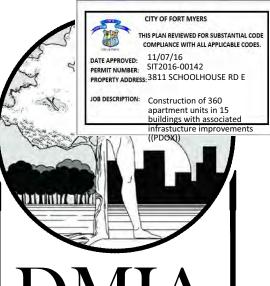
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	CITY COMMEN	NTS: JULY 11, 20 <sup>2</sup>

TREE PLANTING PLAN

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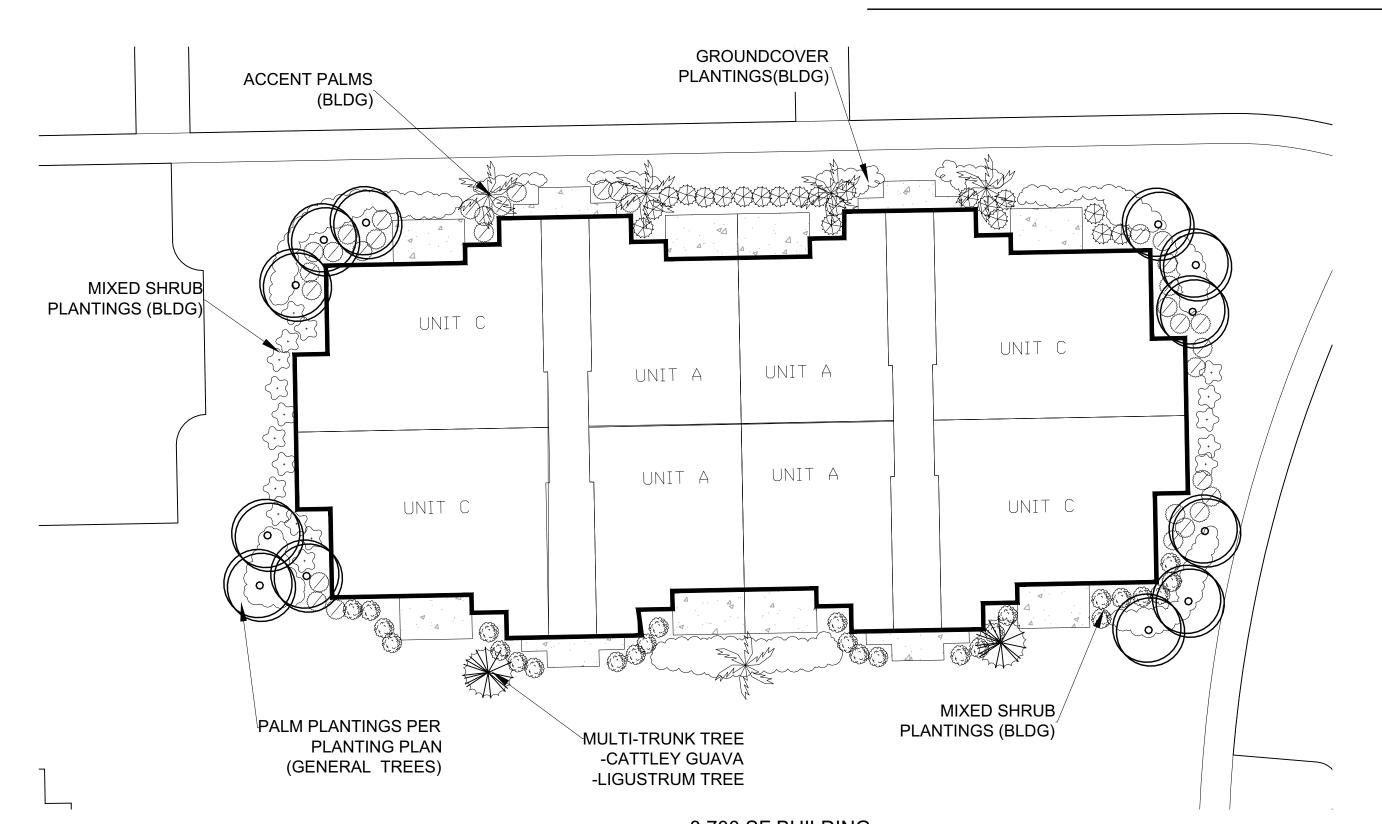


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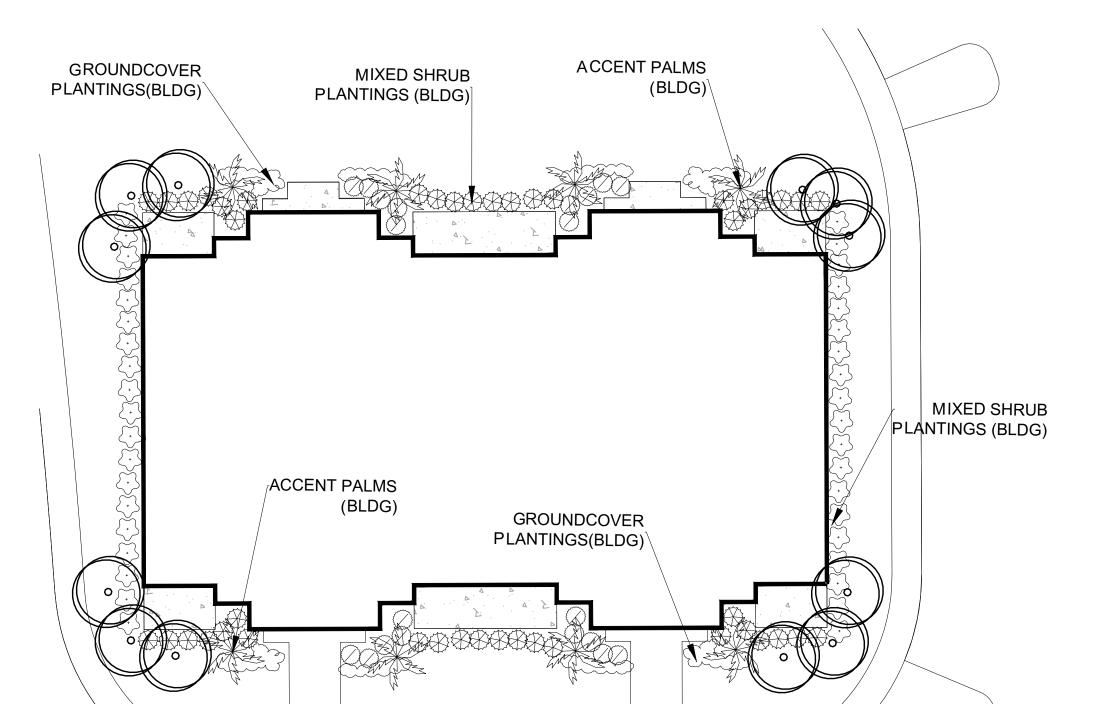
TREE PLANTING PLAN

# LANDSCAPE TYPICALS



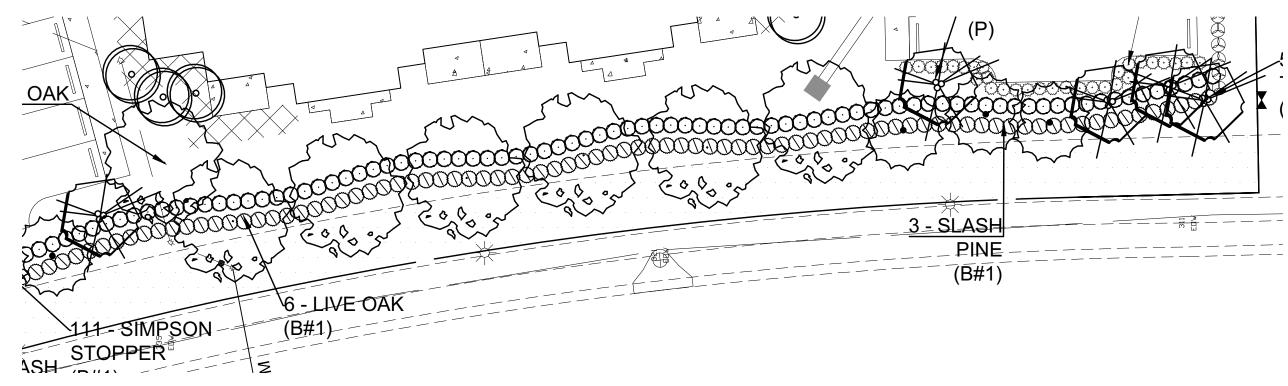
### TYPE 'A' BUILDING TYPICAL

8,700 SF BUILDING
REQUIRES 10% PLANTING ON PERIMETER. =
870 SF PLANTINGS REQUIRED AND PROVIDED



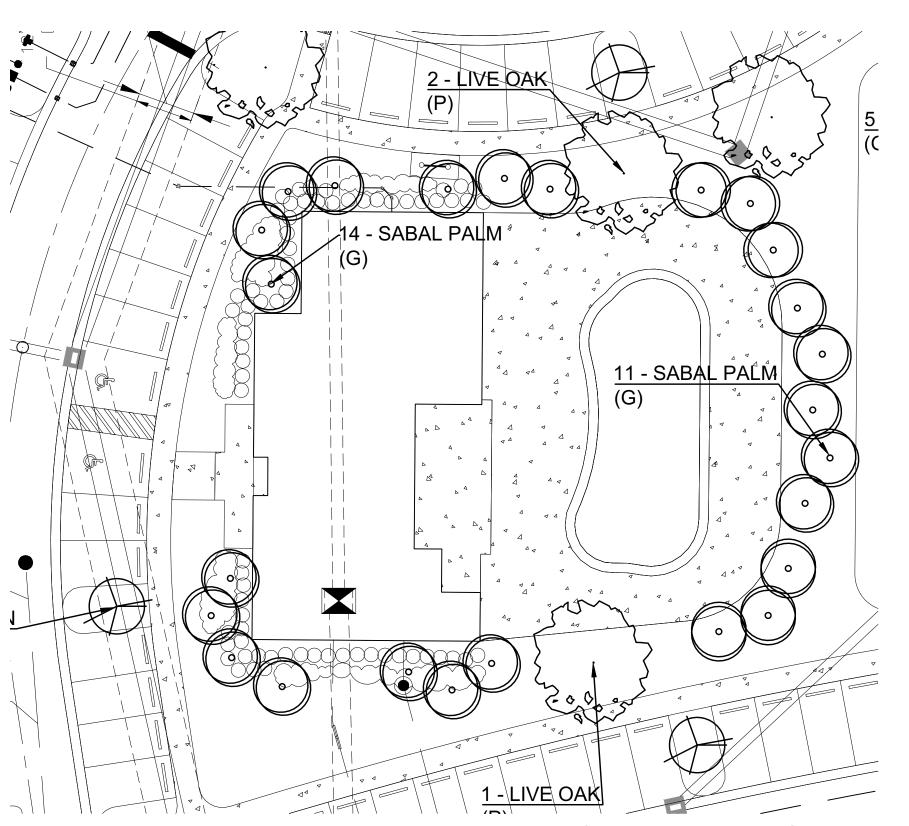
## TYPE 'B' BUILDING TYPICAL

7,150 SF BUILDING REQUIRES 10% PLANTING ON PERIMETER. = 715 SF PLANTINGS REQUIRED AND PROVIDED



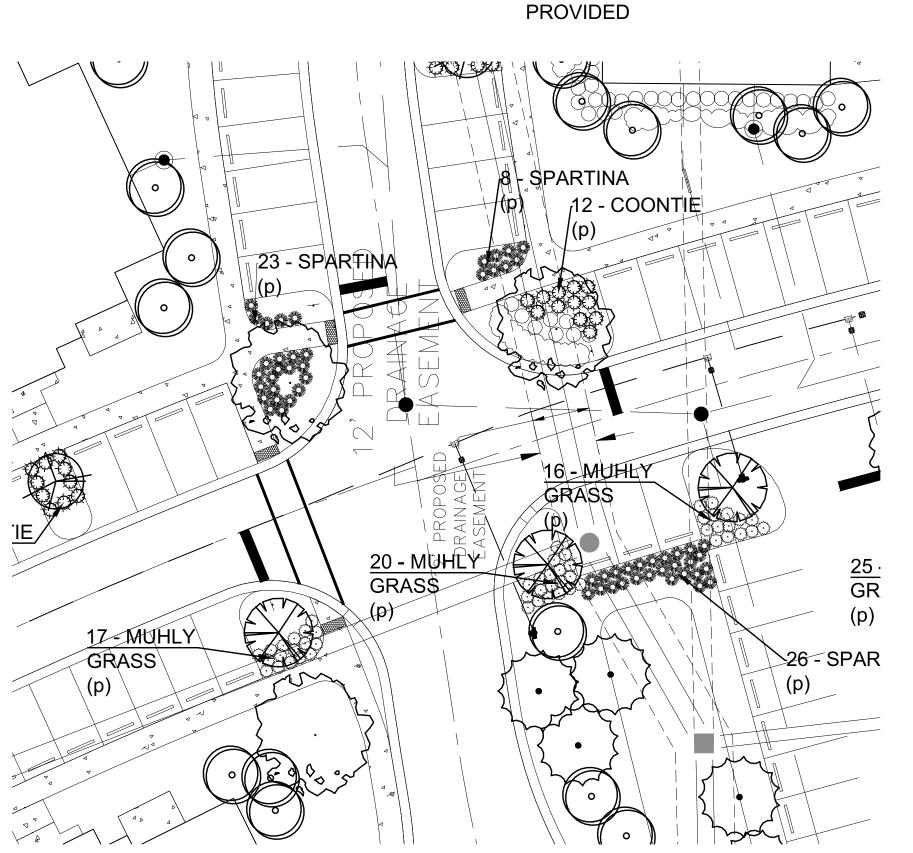
### TYPICAL RIGHT-OF-WAY BUFFER

4 TREES / 66 SHRUBS PER 100 L.F.

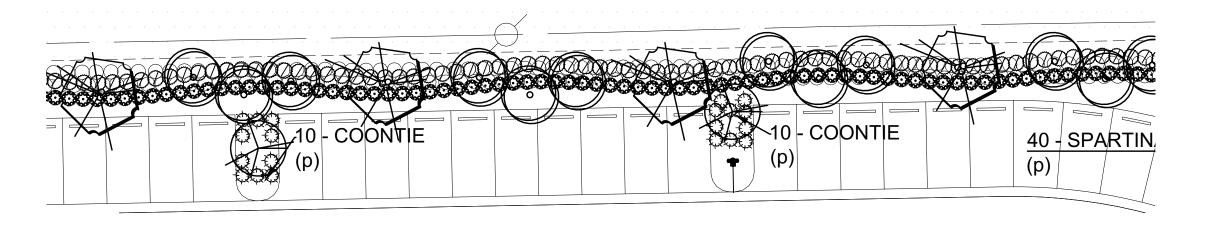


### RECREATION BLDG

3,600 SF AMENITY BUILDING
REQUIRES 10% PLANTING ON
PERIMETER. =
360 SF PLANTINGS REQUIRED AND



PARKING ISLAND TYPICALS



# VERONICA SHOEMAKER BLVD. BUFFER STREET TREE PLANTING / 66 SHRUBS PER 100 L.F.

SOUTH BUFFER

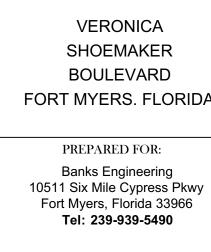
4 TREES / 33 SHRUBS PER 100 L.F.

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STATE OF FLO	DRIDA
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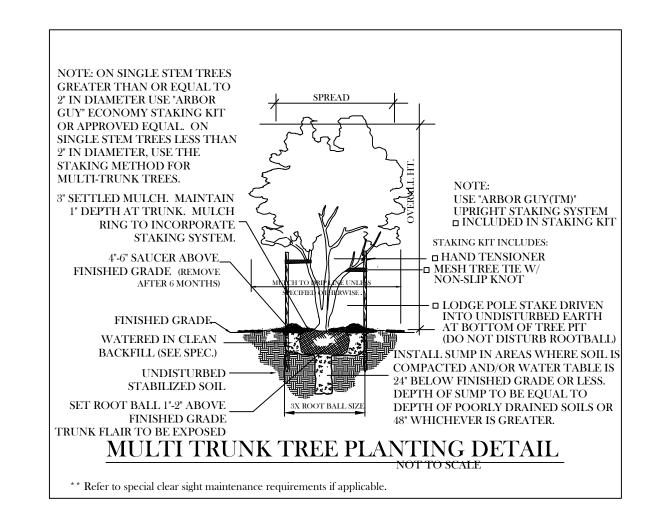
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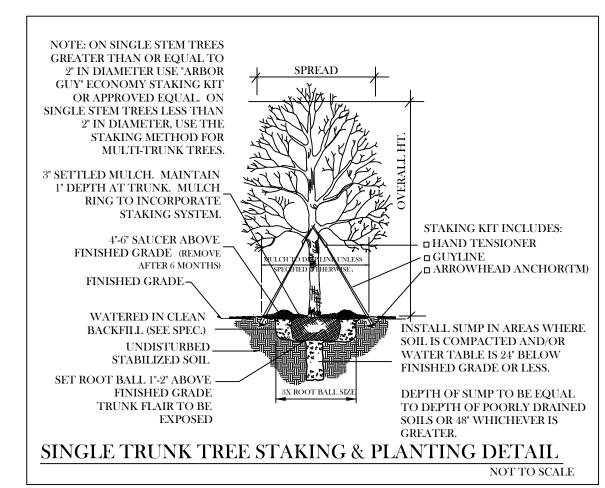
LANDSCAPE

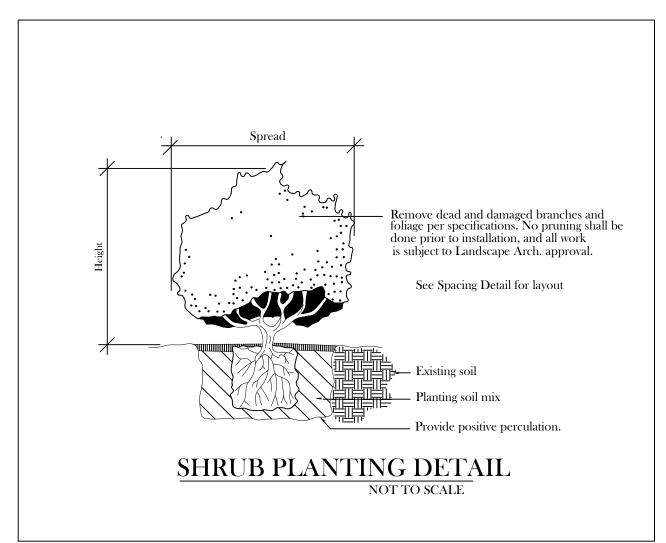
TYPICALS

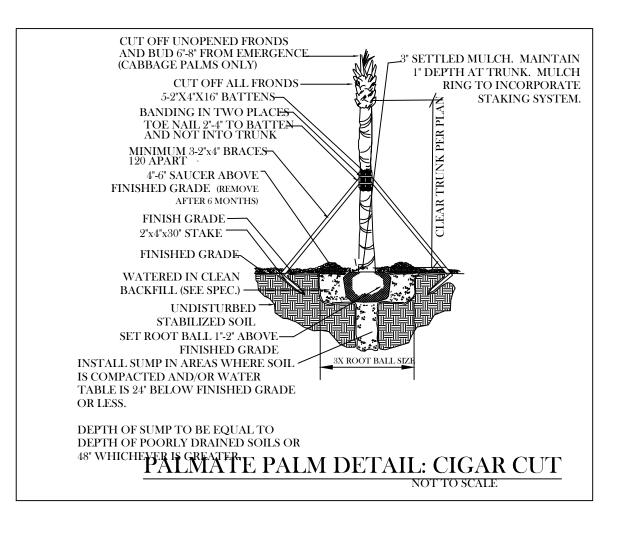
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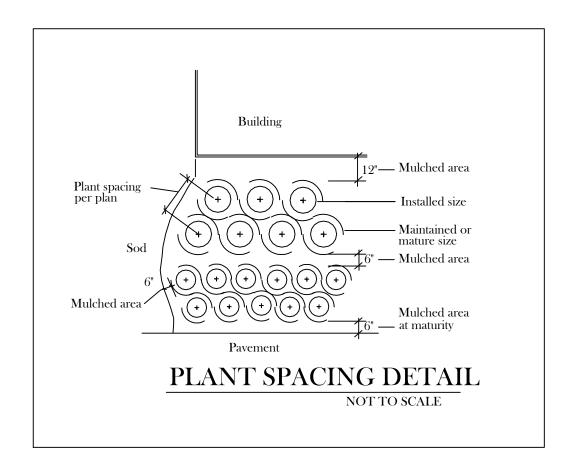
### LANDSCAPE DETAILS

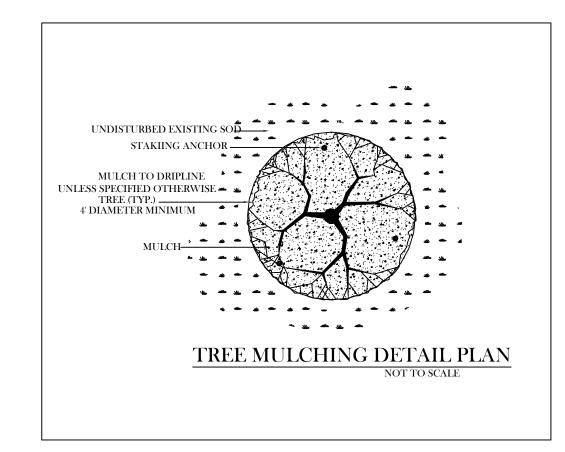


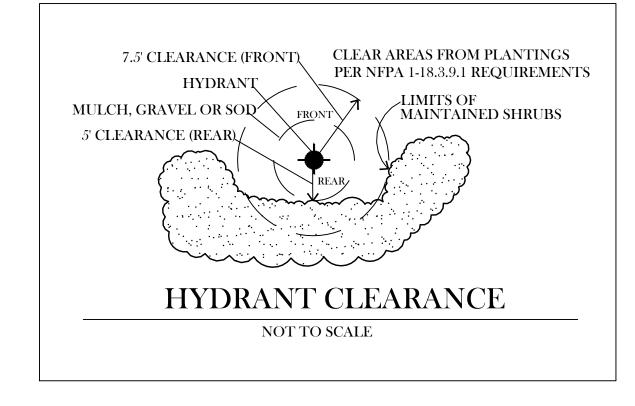










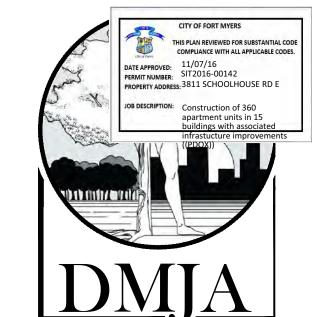


## PLANT SCHEDULE

Native	Botanical Name	Common Name	Description	Quantity
REES				
No	Bulnesia arborea	Verawood	Min. 10'-12' ht., 3-1/2" cal, 4' spr.	16
Yes	Ilex cassine	Dahoon Holly	Min. 10'-12' ht., 3-1/2" cal, 4' spr.	49
No	Jacaranda mimosifolia	Jacaranda	Min. 10'-12' ht., 3-1/2" cal, 4' spr.	15
Yes	Pinus elliottii var. densa	Slash Pine	Min. 10'-12' ht., 3-1/2" cal, 4' spr.	53
Yes	Quercus virginiana	Live Oak	Min. 10'-12' ht., 3-1/2" cal, 4' spr.	93
Yes	Tabebuia impetiginosa	Purple Tabebuia	Min. 10'-12' ht., 3-1/2" cal, 4' spr.	43
Yes	Taxodium distichum	Bald Cypress	Min. 10'-12' ht., 3-1/2" cal, 4' spr.	24
PALMS		-1		1
No	Phoenix sylvestris	Sylvester Palm	Min. 10' -12' ct.	3
No	Sabal palmetto	Sabal Palm	Min. 10' -12' ct.	49
SHRUBS				
Yes	Chrysobalanus icaco	Cocoplum	Min. 24" ht., 3 gallon, maintain at 3'	273
Yes	Hamelia patens	Firebush	Min. 24" ht., 3 gallon	106
Yes	Clusia rosea	Pitch Apple	Min. 24" ht., 3 gallon	123
Yes	Muhlenbergia capillaris	Muhly Grass	Min. 24" ht./spr. 3 gallon	231
Yes	Viburnum odoratissimum	Sweet Viburnum	Min. 24" ht./spr. 3 gallon	393
Yes	Myrsine guianensis	Myrsine	Min. 24" ht./spr. 3 gallon	270
Yes	Spartina alterniflora	Sand Cord Grass	Min. 24" ht., 3 gallon	431
Yes	Viburnum obovatum'Walter's'	Walter's Viburnum	Min. 24" ht./spr. 3 gallon	261
GROUNDCOVER				
	Ficus microcarpa 'Green Island'	Green Island Ficus	Min. 18" ht., 3 gallon	120
Yes	Zamia floridana	Coontie Fern	12"-16" ht. 1 gallon	506
PLANT COUNT IS	FOR REFERENCE ONLY			
MISC.				
	Grade B Shredded Mulch		3" depth, planting beds	
	Crushed Shell		2" depth per plan	
	Floritam Sod	- J. I	Sand Grown	
	Bahia Sod		Weed Free	

#### GENERAL LANDSCAPE NOTES

- 1. THE QUALITY OF ALL PLANT MATERIAL WILL MEET THE STANDARDS FOR FLORIDA GRADE NO.1 (or better), AS GOVERNED IN "GRADES AND STANDARDS FOR NURSERY PLANTS".
- 2. ALL PLANTED TREES AND PALMS WILL HAVE A 3" DEEP SAUCER CONSTRUCTED FROM THE TRUNK OF THE TREE OR PALM. MINIMUM OF 4' DIAMETER.
- 3. ALL PLANTING BEDS SHALL BE COVERED WITH A 3" MINIMUM DEPTH OF MULCH AND SHALL BE WEED FREE. MULCH SHALL BE GRADE B OR BETTER. CONTRACTOR SHALL REMOVE ANY VEGETATIVE GROWTH AND APPLY A PRE-EMERGENT WEED KILLER PER SPECIFICATIONS PRIOR TO MULCHING.
- 4. NO CODE REQUIRED PLANTINGS SHALL BE INSTALLED IN EASEMENTS.
- 5. ANY AND ALL EXOTIC VEGETATION INCLUDING: EARLEAF ACACIA, WOMAN'S TONGUE, BISHOPWOOD, AUSTRAILIAN PINE, CARROTWOOD, ROSEWOOD, AIR POTATO, MURRAY RED GUM, WEEPING FIG, CUBAN LAUREL FIG, JAPANESE CLIMBING FERN, OLD WORD CLIMBING FERN, MELALEUCA, DOWNY ROSE MYRTLE, CHINESE TALLOW, BRAZILLIAN PEPPER, FLORIDA HOLLY, TROPICAL SODA APPLE, JAVA PLUM, ROSE APPLE, CORK TREE AND WEDELIA, ON THE PROPERTY SHALL BE COMPLETELY REMOVED AND DISPOSED OF OFF SITE BY THE CONTRACTOR. THE SITE SHALL BE MAINTAINED FREE OF INVASIVE EXOTIC VEGETATION IN PERPETUITY.
- 6. TREES SHALL BE A MINIMUM OF 10' IN HEIGHT WITH A 3" CALIPER MEASURED AT 1' ABOVE GROUND LEVEL WITH A FOUR
- 7. REFER TO LANDSCAPE SPECIFICATIONS FOR ADDITIONAL LANDSCAPE REQUIREMENTS.
- 8. REFER TO ENGINEERING PLANS FOR ADDITIONAL SPECIFICATIONS.
- 9. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH THE LOCATIONS OF ALL UTILITIES AND ALL SITE CONDITIONS PRIOR TO THE START OF LANDSCAPE INSTALLATION.
- 10. FERTILIZER SHALL BE IN ACCORDANCE WITH SPECIFICATIONS AND LOCAL ORDINANCES.
- 11. IT SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO FINE GRADE ALL PLANTING AND SODDING AREAS PRIOR TO PLANT OR SOD INSTALLATION. CONTRACTOR SHALL OBTAIN OWNER APPROVAL OF FINAL GRADES.
- 12. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE TAKEOFFS. PLANT LIST IS PROVIDED FOR REFERENCE ONLY.
- 13. CONTRACTOR SHALL BE RESPONSIBLE FOR LANDSCAPE MAINTENANCE UNTIL FINAL ACCEPTANCE AND WORK SHALL BE IN COMPLIANCE WITH SPECIFICATIONS.
- 14. CONTRACTOR SHALL REMOVE ALL TAGS, TAPE AND SUPPORTS (EXCEPT STAKING GUYS) FROM ALL PLANTINGS PRIOR TO FINAL ACCEPTANCE.
- 15. ALL AREAS OF THE SITE SHALL BE SODDED OR SEEDED IN ACCORDANCE WITH PLANS.
- 16. THE REQUIRED PLANTINGS SHALL BE IRRIGATED IN ACCORDANCE WITH CITY REQUIREMENTS.
- 17. THE PARKING LOTS SHALL BE SLEEVED FOR IRRIGATION BY THE LANDSCAPE CONTRACTOR. COORDINATE WITH CIVIL ENGINEERING PLANS.
- 18. ALL BASE ROCK SHALL BE REMOVED FROM LANDSCAPE PARKING ISLANDS.
- 19. ALL CODE REQUIRED LANDSCAPING SHALL BE IRRIGATED WITH AN AUTOMATIC IRRIGATION SYSTEM. SYSTEM TO INCLUDE A RAIN SWITCH SHUT OFF AND ALL BACKFLOW DEVICES AS REQUIRED BY LOCAL UTILITY PROVIDERS.
- 20. THE CONTRACTOR SHALL PROVIDE (PRESSURE COMPENSATING SCREENS) AS NECESSARY TO REDUCE OR ELIMINATE OVERSPRAY INTO STREETS, WALKS OR OTHER AREAS AS DICTATED BY THE OWNER'S AUTHORIZED REPRESENTATIVE.
- 21. CONTRACTOR TO PROVIDE BACKFLOW DEVICE AND METERING AS REQUIRED BY CITY OF FORT MYERS UTILITIES.



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CONSULTAN



11:21:26 -04'00'

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SHEET TITLE:
LANDSCAPE
DETAILS, NOTES &
PLANT LIST

SHEET NUMBER:

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