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Pelican Square

Tequesta, Florida

Designed: BRD
Drawn: BRD
Approved: GGG MTH EMO
Date: 6/8/18
Job no.:
Revisions: 08/13/18
9/26/18
10/31/18
11/20/18
Cad no.: CADO
Seal

LC C000177
Sheet Title:
Landscape
Development
Plan
Scale: 1" = 20'
Sheet No.
LP-1
00-0000

LANDSCAPE DATA:

PARKING TREES REQUIRED	3
PERIMETER TREES REQUIRED (30' O.C.) (EXCLUDES WESTERN PERIMETER DUE TO 0' MXD SETBACK)	20
TOTAL PARKING TREES PROVIDED	3
TOTAL PERIMETER TREES PROVIDED	25
PALMS ALLOWED	50% MAX.
PALMS PROVIDED	50%
PERCENTAGE OF NATIVE TREES	76% (19 OF 25)
PERCENTAGE OF NATIVE SHRUBS & GROUNDCOVERS	60% (1,235 OF 2,057)
TOTAL PERCENTAGE OF NATIVE VEGETATION	58.5% (1,250 OF 2,204)

SITE BUFFER REQUIREMENTS:

Northern Property Line		Southern Property Line	
180 L.F.	Required	190 L.F.	Required
6 Trees (6 trees per 10 L.F.)		6 Trees (6 trees per 10 L.F.)	
95 Shrubs (95 shrubs per 10 L.F.)		95 Shrubs (95 shrubs per 10 L.F.)	
7 Trees	Provided	6 Trees / Palms (Specimen Palms 1:1)	Provided
141 Shrubs		183 Shrubs	
Western Property Line		Eastern Property Line	
240 L.F.	Required	240 L.F.	Required
N/A Trees (N/A trees per 10 L.F.)		8 Trees (8 trees per 10 L.F.)	
N/A Shrubs (N/A shrubs per 10 L.F.)		120 Shrubs (120 shrubs per 10 L.F.)	
9 Trees / Palms (3:1)	Provided	11 Trees / Palms (3:1)	Provided
334 Shrubs		121 Shrubs	

GENERAL LANDSCAPE NOTES:

- Moisture Sensing Devices Will Be Used To Avoid Irrigating During Rainfall.
- All Lighting & Landscape Shall Be Field Adjusted To Avoid Conflict With Existing & Proposed Utilities
- Root Barriers Shall Be Provided For All Tree's Or Large Palm's Abutting Utilities So As To Avoid Future Conflicts
- The Existing Vegetation Not Utilized Shall Be Removed From Site And Disposed Of In A Correct Manner
- Mulch Is To Be Applied To All Planting Beds, 3" Thick Min.
- Mulch Shall Be Placed So That There Is Only 1" Of Mulch Applied Over The Rootball And 3" Of Mulch Outside Of The Rootball.
- Trees And Shrubs Shall Be Planted At Grade Or Slightly Above Grade
- All Planting / Open Space Area's Shall Receive 100% Of Coverage From A Fully Automatic Irrigation System Equipped With A Rain Sensor
- All Specimen Tree's Will Be Coordinated With The Landscape Architect For All Selection's And Sizing.

ROOT BARRIER:

UB 48-2 Specifications
48" DeepRoot Tree Root Barrier

Specified tree root barriers are a mechanical barrier and root deflect to prevent tree roots from damaging underground utilities and landscapes. Assembled in 2' (61 cm) long modules to make varying lengths for those applications directly beneath a landscape adjacent to one side of the tree or to large perimeter curved applications with a maximum (8' (2.44 m)) diameter using 12 panels.

A. Materials

1. The contractor shall furnish and install tree root barriers as specified. The tree root barriers shall be as follows: Product # UB 48-2 as manufactured by DeepRoot, Parkway, L.P., 31 Lagoon Street, Suite 4, San Francisco, CA 94133 (800-483-7800), or approved equal. The barrier shall be black, Extruded Polyethylene, 48" (1219 mm) wide, thickness 1/2" (12.7 mm), and 48" (1219 mm) long.

2. The barrier shall be installed in accordance with the manufacturer's instructions, with proper alignment and overlap, as specified. Each 2' (61 cm) section shall have:

Not less than 4 Molloy Integral Vertical Root Drawing Rods at a minimum 8" (203 mm) thickness providing 100% (100% of the face) of the barrier panel, spaced 4" (102 mm) apart, four panels strong.

An integrated joining bracket providing for instant assembly by sliding one panel into another.

The basic properties of the material shall be:

Property	ASTM Test Method	Manufacturer's Properties (UB 48-2) Test Results	Typical Value
Tensile stress @ yield	D638	2800 PSI	2800 PSI
Elongation @ break %	D638	108	108
Tensile Modulus	D638	155,000 PSI	155,000 PSI
Modulus of Elasticity	D638	6.4 - 6.5	6.4 - 6.5
Flexural Modulus 73 F PSI	D790	140,000	140,000
Flexural Stress	D790	785	785

B. Construction and Installation

1. The contractor shall install the tree root barriers with the number of panels and in the manner shown on the drawing. The vertical root drawing rod shall be facing towards the root ball and the top edge shall be 1/2" (12.7 mm) above grade. Each of the required number of panels shall be joined in a butt joint and placed along the required landscape or where specified connected to form a close around the root ball.

2. Excavation and preparation shall conform to the drawings.

UB 48-2 (1219mm)

Panel 0.008" (0.20mm) Thick Extruded Polyethylene

48" (1219mm) High Root Barrier Rod 4" (102mm)

A Typical Linear Planting Installation Using DeepRoot UB 48-2

DeepRoot Barrier UB 48-2 Top of barrier must be at least 1/2" (12.7mm) above grade

1/2" to 1" (12.7mm) Above Grade Drainage

Reliability Rod

Soil Bank

Install DeepRoot UB 48-2 6" (152mm) panels in overlapping wall

PLANT LEGEND:

	Date Palm		Gumbo Limbo		Agave 'Blue Wave'		Annuals		Iris 'White'
	Coconut Palm		Live Oak		Pygmy Date Palm 'Double'		Ilex		Spathyphylum
	Montgomery Palm 'triple'		Sabal Palm		Bottle Palm 'Triple'		Green Island Ficus		Liriope 'Big Blue'
	Christmas Palm 'Triple'		Italian Cypress		Hibiscus Std. 'Seminole Pink'		Dwarf Fakahatchee Grass		Ginger 'Variegated Shell'
	Thatch Palm 'Triple'		Silver Buttonwood Std.		Ti Plant 'Auntie Lou'		Podocarpus 'Pringles'		Podocarpus
	Alexander palm 'Single'		Crinum Lilly 'Queen Emma'		Ti Plant 'Black Magic'		Crotons		Red Tip Cocoplum
	Alexander palm 'Double'		Rubber Vine		Gardenia 'Miami Supreme'		Asian Jasmine		Simpson's Stopper
							Fire Bush		

