July 2017

# Landscape Maintenance Plan

FDOT District 4

C:\Users\mt410kh\Desktop\Landscape Plan\D4 LANDSCAPE MAINTENANCE PLAN (2017).docx

# DISTRICT FOUR LANDSCAPE MAINTENANCE PLAN Revised: June 2017

#### PURPOSE:

The purpose of a plan for the landscape maintenance practices is to allow the plant material within District Four to thrive in a safe and vigorous manner while fulfilling their intended purpose and conserving our natural resources. Plantings and all other landscape improvements shall be maintained to avoid potential roadway hazards and to provide required clear visibility, accessibility, clearance, and setbacks as set forth by Florida Department of Transportation (FDOT) governing standards and specifications: FDOT Design Standards, FDOT Plans Preparation Manual Vol. I, Chapter 2.11 and FDOT Standard Specifications for Road and Bridge Construction, as amended by contract documents, and all other requirements set forth by the District 4 Operations Maintenance Engineer. The initial portion of the Landscape Maintenance Plan describes general maintenance requirements and recommendations. The concluding section provides recommendations prepared by the Registered Landscape Architect of Record specific to the current Bold Landscape Maintenance Areas within District Four.

#### **1.0 General Landscape Maintenance Requirements and Recommendations**

#### **1.1 WATERING REQUIREMENTS**

Watering is a critical concern for not only the maintenance of healthy plant material but also for observing water conservation practices. The amount of water to apply at any one time varies with the weather, drainage conditions and water holding capacity of the soil. For plant materials that have been established, it is imperative that any mandated water restrictions be fully conformed to on FDOT roadways.

Proper watering techniques should provide even and thorough water dispersal to wet the entire root zone, but not saturate the soil or over-spray onto travel lanes.

#### **1.2 IRRIGATION SYSTEM**

Ensure there is no roadway overspray or irrigation activities during daytime hours (most notably "rush hour" traffic periods). It is imperative the irrigation controller is properly set to run early enough that the watering process will be entirely completed before high traffic periods, while adhering to mandated water restrictions. To ensure water conservation, monitor the system for water leaks and the rain sensors to ensure they are functioning properly so that the system shuts down when there is sufficient rainfall.

#### **1.3 INTEGRATED PLANT MANAGEMENT**

An assessment of each planting area's soil is recommended to periodically determine the nutrient levels needed to sustain healthy, vigorous plant growth.

Palms, shrubs, trees and turf areas shall be fertilized in such a manner and frequency to ensure that the plant material remains healthy and vigorously growing. Please be alert to changes in fertilization types per University of Florida, Institute of Food and Agricultural Services (I.F.A.S.) recommendations. Establishment of an integrated pest management program is encouraged to ensure healthy plants, which are free of disease and pests.

### **1.4 MULCHING**

Mulch planting beds in such a manner as to prevent weed growth, retain moisture to the plants, protect against soil erosion and nutrient loss, maintain a more uniform soil temperature, and improve the appearance of the planting beds. Avoid mulch mounded up on the trunks of trees, palms, and the base of shrubs to encourage air movement in this area which aids in lowering disease susceptibility. Cypress mulch is prohibited on state right of way.

Replenish all mulch bed areas within the maintenance limits to meet the requirements of the Design Standards Index No. 544, and in accordance with the Contract. Mulch rings around individual trees/palms shall be maintained at a 2-foot radius from the trunk.

#### 1.5 PRUNING

All pruning, and the associated safety criteria, shall be performed according to American National Standard Institute (ANSI) A300 standards and shall be supervised by an International Society of Arboriculture (ISA) Certified Arborist. Pruning shall be carried out with the health and natural growth of plant materials in mind, to specific pruning heights maintaining clear visibility for motorists, and provide vertical clearance for pedestrian, bicyclist, and truck traffic where applicable. Visibility windows must be maintained free of view obstructions, and all trees and palms must be maintained to prevent potential roadway and pedestrian hazards, all palms are to be kept fruit free. The specific pruning heights are determined by understanding the designer's intent when selecting and placing the plants. For additional information related to specific height recommendations, please refer to FDOT's A Guide to Tree, Palm Maintenance for Urban Roadsides and Landscape Areas. The understory plant materials selected for use within the restricted planting areas (Limits of Clear Sight) are to be maintained at a height in compliance with FDOT Design Standards Index 546; Page 6 of 6, Window Detail. Vertical tree heights must meet FDOT Maintenance Rating Program (MRP) standards.

# 1.6 STAKING AND GUYING

All staking materials, except for replacements, are to be removed by the completion of FDOT warranty period or at one year (whichever comes first). Any subsequent staking and guying activities must adhere to FDOT Design Standards guidelines (See Index 544). The Department shall closely monitor staking and guying attachment materials so that they are securely fastened to avoid potential roadway hazards.

# **1.7 TURF MOWING**

All grassed areas are to be mowed and trimmed with sufficient frequency to maintain a deep, healthy root system while providing a neat and clean appearance to the urban landscape. All turf

efforts, mowing, curb/sidewalk edging and turf condition, must at a minimum, meet FDOT Maintenance Rating Program (MRP).

#### **1.8 LITTER CONTROL**

The landscape area shall remain as litter free as practicable. It is recommended to recycle this litter to avoid unnecessary waste by its reuse. Litter removal efforts must meet FDOT Maintenance Rating Program (MRP) standards.

#### 1.9 WEEDING/HERBICIDE

All planting areas shall be maintained as weed free as practicable by enlisting integrated pest management practices in areas specified on the plans and maintaining proper mulch levels. Extreme care is recommended when using a chemical herbicide to avoid overspray onto plant materials. It is the applicator's responsibility to restore any damage, resulting from overspray to the plantings, per the approved plans.

# **1.10 FERTILIZATION**

Fertilize all palms within the landscape maintenance limits at a minimum annually. Each species and each project may have different requirements. Fertilizer analysis and application will be per the latest University of Florida Institute for Food and Agricultural Science (IFAS) recommendations, including the correction of any existing nutrient deficiencies. The current recommendation for a general maintenance palm fertilizer is for a 100% slow release form, of 8-2-12, +4 Mg analysis, with all micro-nutrients.

All personnel and contractors applying fertilizer will be trained and certified through the Green Industry (GI) BMP Program and the Florida Department of Agriculture and Consumer Services (FDACS). Fertilizer applications, if any, will be conducted in accordance with all department procedures and guidance, including the SSMP. Reference SSMP 3.6.3 for guidelines on fertilizer application, storage and handling methods, cleaning of equipment, and container disposal.

Application of all fertilizers used within state right of way will be documented using FDOT form number 850-000-26 located in the Department forms library and copies will be retained for review.

# 2.0 Bold Landscape Maintenance Requirements and Recommendations

# 2.1 BOLD LANDSCAPE AREAS

District Four currently has several Bold Landscape Maintenance Areas in various stages from under design, installed, under establishment, and under routine maintenance. Below is a table of locations:

ANTICIPATED/ACTUAL MAINTENANCE START DATE	STATE RD. (SR)	LANDSCAPE SITE	COUNTY
April 2017	SR9/I-95	I-595 Interchange	Broward
Jun-2017	SR9/I-95	SR60/20th Street	Indian River
Aug-2017	SR9/I-95	Belvedere to Southern	Palm Beach
Aug-2017	SR9/I-95	SR70/Okeechobee Road	St. Lucie
Aug-2017	SR9/I-95	SR68/Orange Avenue	St. Lucie
Dec-2017	SR9/I-95	Crosstown Parkway	St. Lucie
Jun-2018	SR9/I-95	CR512/Fellsmere Indian Ri	
Mar-2019	SR9/I-95	Indiantown Road Palm E	
Sep-2019	SR9/I-95	SR 714/Martin Highway	Martin
Sep-2019	SR9/I-95	SR76 / Kanner Highway	Martin
Oct-2019	SR9/I-95	Spanish River Blvd.	Palm Beach

# 2.2 SCHEDULE OF MAINTENANCE ACTIVITIES

Below is a table of the minimum activities to be performed at each of the Bold Landscape Areas, with minimum frequencies specified:

Activity	Minimum Frequency	Description of Activity
Litter Pickup	Monthly	Includes all areas within the maintenance limits as shown on the Maintenance Map. Performance Ratings per MRP handbook.
Mowing	Monthly	Includes all areas of turf within the maintenance limits. Max. height of turf at any time is 9-inches, including seed stalks. All other mowing criteria will be based on the performance ratings per MRP handbook.

Mulch Bed	Monthly	Includes all mulch beds or individual mulch rings, within the
Maintenance	wontiny	maintenance limits. Remove all weeds, vines, or debris, and
		any encroaching vegetation.
Invasive	Monthly	Includes areas within the maintenance limits. Remove any
Species		vegetation listed as a Category 1, by the Florida Exotic Pest
Removal		Plant Council, all species listed on Florida's Noxious Weed List,
		per F.A.C. Rule 5B-57.007.
Disease and	Monthly	Includes corrective treatment of any pest or disease, for all
Pest Control		plants within the landscape maintenance limits. All proposed
		treatment measures will be reviewed for approval by the
		Department prior to use.
Palm Pruning	Quarterly	Only to remove any coconuts if applicable and dead fronds on
		species that are not self-cleaning. Never remove fronds lower
		than the "9 o'clock to 3 o'clock" horizontal line.
Mulch	Quarterly	Meet FDOT Specifications and Design Standards, Index 544.
Replenishment		
*Shrub	Quarterly	Per the design intent, as described in the Maintenance Map.
Pruning		Maintain a tapered vertical edge, so that the bottoms of the
		shrubs are wider than the top portion. Remove all clippings.
*Ornamental	Annually	Cut Ornamental Grasses down to a height of 6" above grade.
Grass		
Tree Pruning	Annually	Per ANSI A300, under the supervision of a Certified Arborist.
Soil Testing	Varies	Test results may require adjustments to the fertilization
		program, or soil amendments. Soil testing will be scheduled to
		receive results prior to first fertilization.
Turf Repair	Varies	Includes all areas within maintenance limits or any other areas
		damaged by the maintenance contractor. All bare spots
		require re-seed/sod. Performance ratings per MRP Handbook.
Fertilization	Varies	Per the manufacturer's recommendations at the frequencies
		listed on the Maintenance Map, and in line with the latest IFAS
		recommendations.
*Terrace Walls	Varies	Clean walls to remove any undesirable markings, stains, or
		discolorations. If any graffiti is observed, notify FDOT
		immediately.

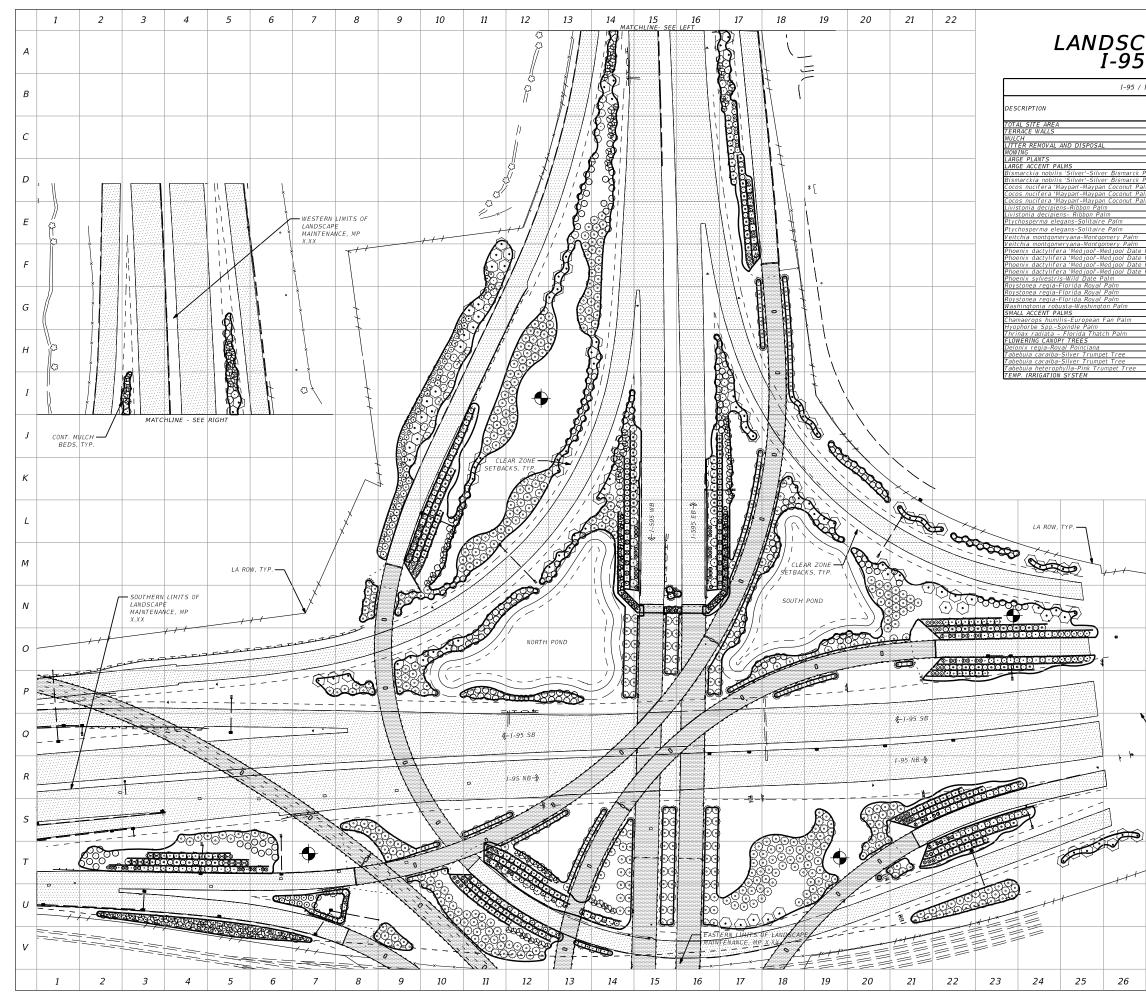
\*Only applicable at some Bold Landscape Areas

# 2.3 SPECIFIC SITE MAINTENANCE MAPS

Each Bold Landscape Area has specific Landscape Maintenance Maps that depict the maintenance limits, specify the different varieties of plant materials used, Plant Material installation heights, and recommended minimum fertilization application frequencies.

These Maintenance Maps, along with the minimum frequencies of routine maintenance activities described above provide our Operations Center Staff and Maintenance Contractors with guidelines to assist in maintaining these landscape areas in an attractive and vigorous manner.

Attached to this plan are the current Maintenance Maps for locations already under Maintenance or within their Establishment Period. Maintenance Maps for the other Bold Landscape Areas cannot be created until as-built conditions are known.



# ATTACHMENT II LANDSCAPE MAINTENANCE PLAN I-95/I-595 INTERCHANGE

I-95 / I-595 INTERCHANGE TABULATION OF QUANTITIES FOR MAINTENANCE MATERIALS

	INSTALL SIZE/REMARKS	UNIT	GRAND TOTAL	MINIMUM FERTILIZER APP'S PER YEAR
	ENTIRE LIMITS OF MAINTENANCE AREA	AC	14.24	
	LINEAR FEET	LF	8,610	7
	INCLUDES CONT. BEDS AND INDIVIDUAL TREE RINGS	AC	3.58	
	FOR ENTIRE MAINT. LIMITS	AC	14.24	
	FOR ALL TURF AREAS IN MAINT. LIMITS	AC	10.66	
		LS		]
Palm	14'-16' CT		42	2
Palm	7'-9' CT		49	2
m	16' GW		122	2
m	12' GW		84	2
m	8' GW		61	2
	19'-20' OA, 8'-9' CT		64	2
	16'-18' OA, 5'-7' CT		74	2
	16', 19', 22' OA, FF, STG HEIGHT		29	2
	18' -22' OA,		36	2
	24'-28'0A.		57	2
	24'-28' 0A.		6	2
Palm	38' CT		7	2
Palm	26' CT		13	2
Palm	14'-26' CT		93	2
Palm	14'CT		9	2
	9'-18' CT		61	2
	30'-45' GW		201	2
	20'-29' GW		259	2
	10'-19' GW		116	2
	15', 22', 30' CT, STG HEIGHT		142	1
	9'-10' OA. MULTI		75	2
	10'-12' OA	+ +	16	2
	MIN 10'-12' OA, MULTI		78	1
	MIN 10-12 OA, MOLTI		/0	1 1
	16'× 14', 8" CAL		111	1
	16'-18'x8'-10', 10" CAL		60	]
	14'-16'x7'-8', 8" CAL		112	
	18'-20'x7'-8', 8" CAL		66	_
		LS	1	1

PLANT SYMBOL LEGEND:

- BISMARCK PALM
- O COCONUT PALM
- RIBBON PALM (SINGLE)
- (\*) RIBBON PALM (MULTI)
- SOLITAIRE PALM (SINGLE)
- $\odot$ SOLITAIRE PALM (TRIPLE)
- $\odot$ MONTGOMERY PALM (TRIPLE)
- $\odot$ MONTGOMERY PALM (DOUBLE)
- ( MEDJOOL DATE PALM
- ♥ WILD DATE PALM
- (•) RE-ROYAL PALM
- WASHINGTON PALM
- C EUROPEAN FAN PALM (MULTI)
- ⊙ SPINDLE PALM (SINGLE)
- ⊙ THATCH PALM (MULTI)
- $\langle * \rangle$  ROYAL POINCIANA

♦ YELLOW TABEBUIA • PINK TABEBUIA

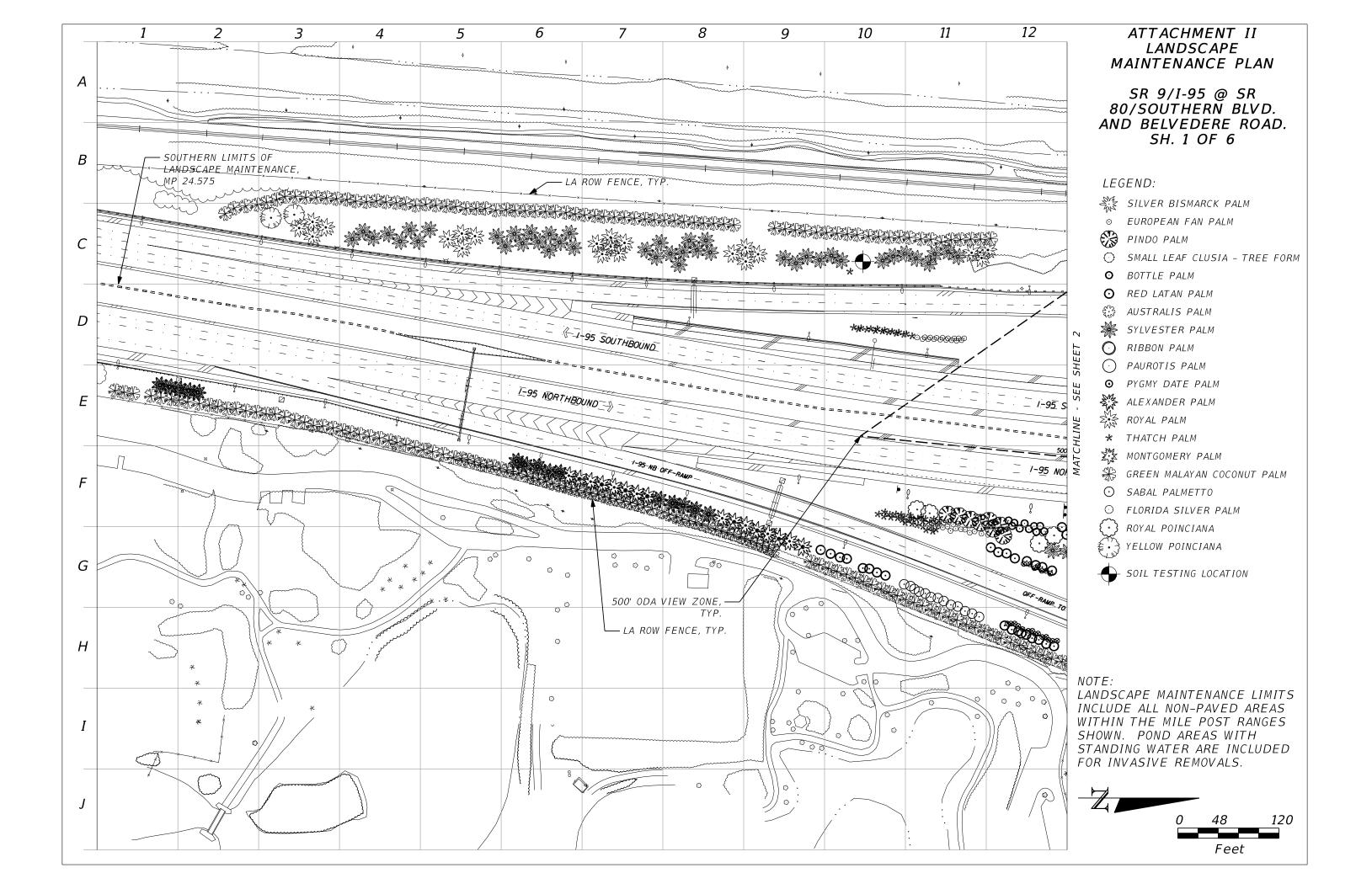


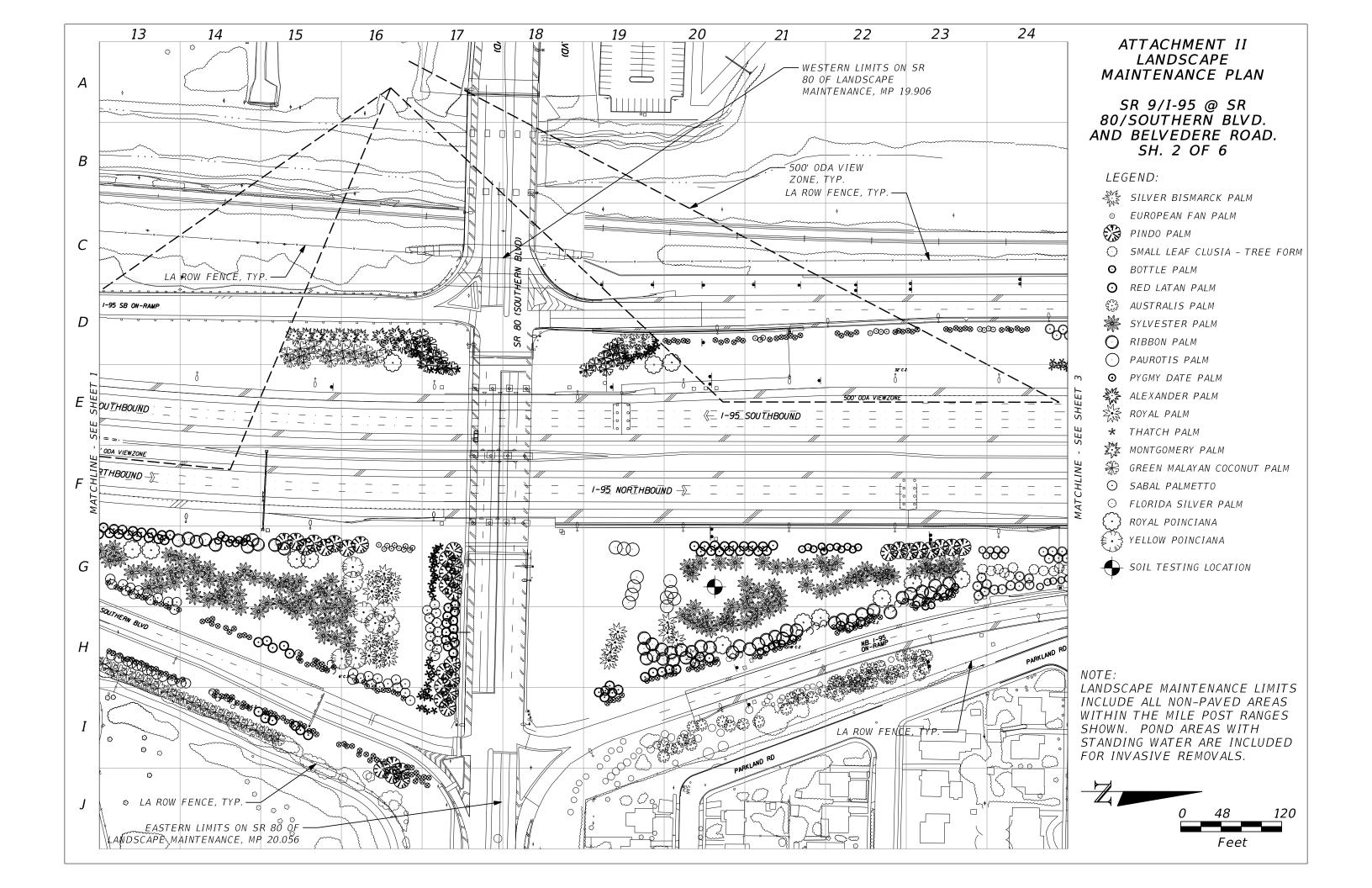
SOIL SAMPLE LOCATIONS

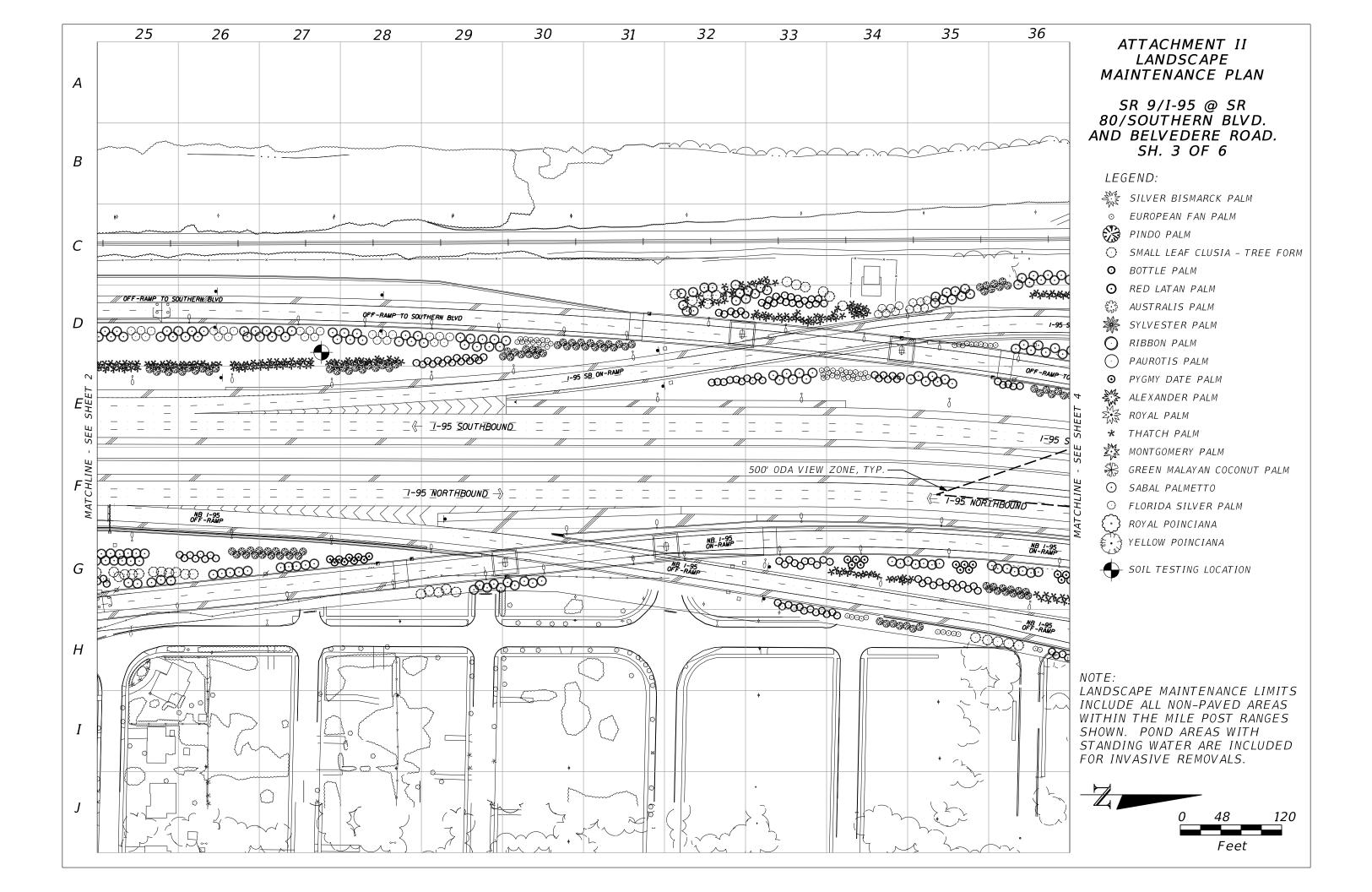
NOTE: NOTE: LANDSCAPE MAINTENANCE LIMITS INCLUDE ALL NON-PAVED AREAS WITHIN THE MILE POST RANGES SHOWN. POND AREAS WITH STANDING WATER ARE INCLUDED.

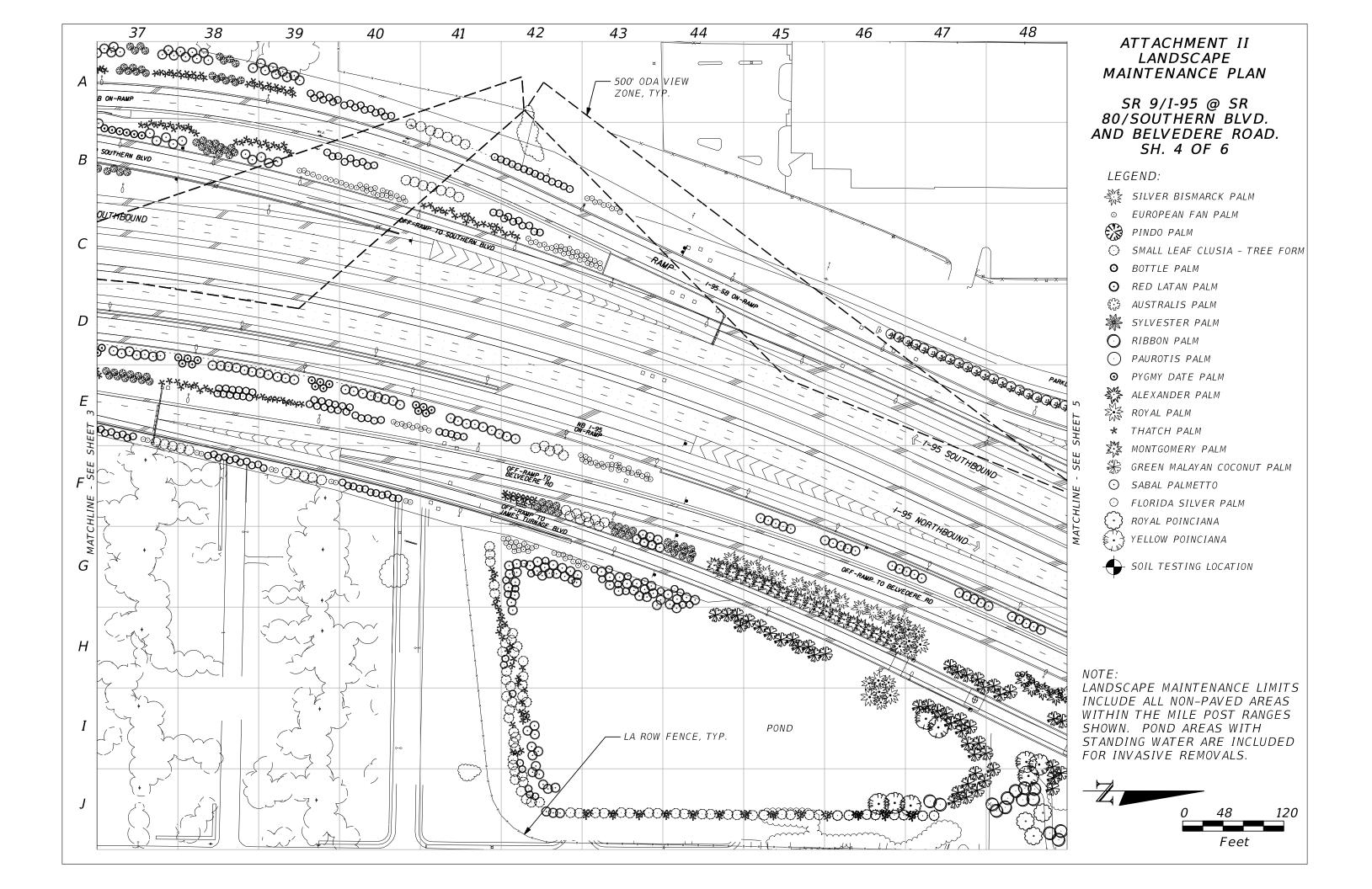
Feet

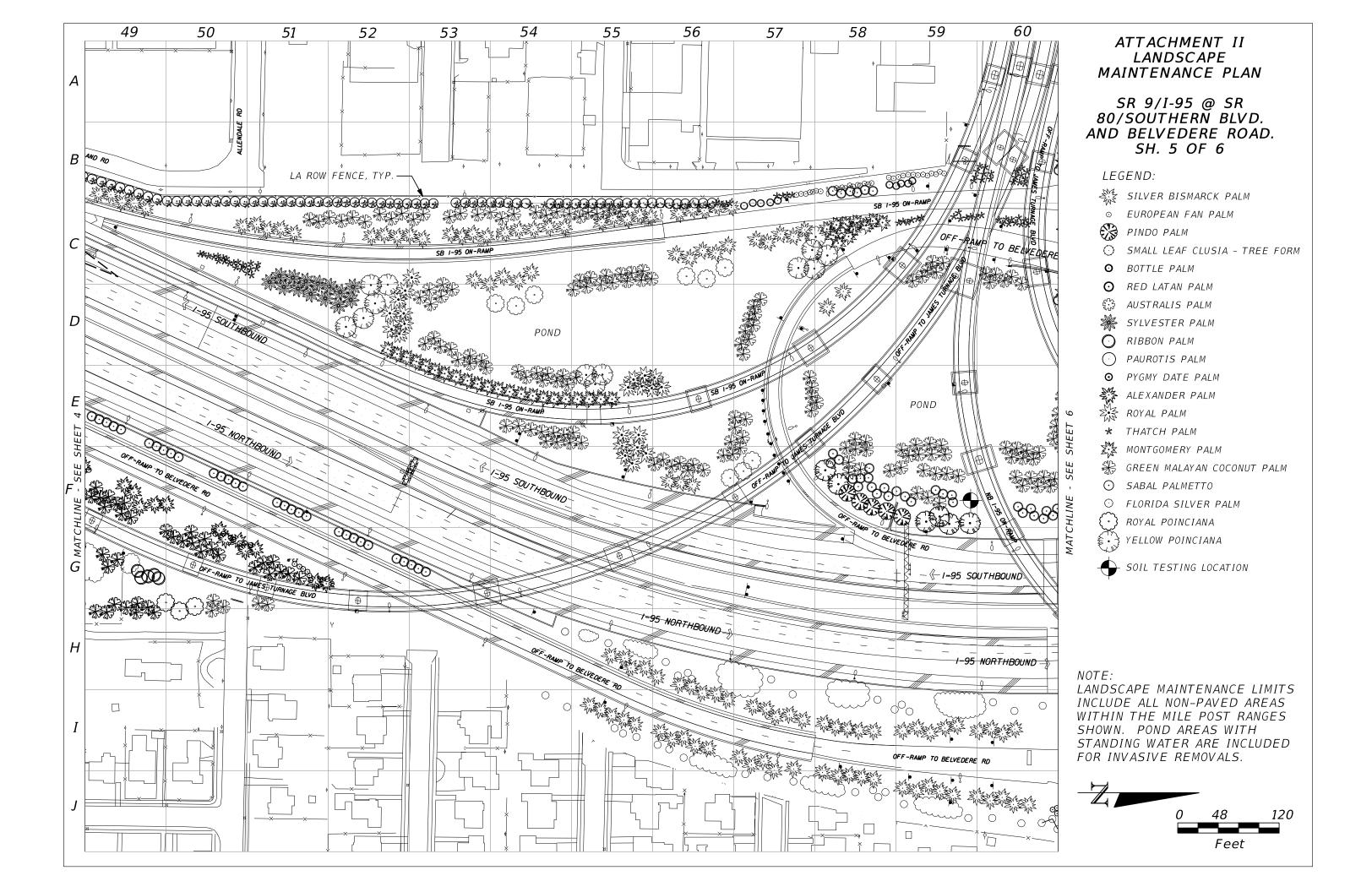
- NORTHERN LIMITS OF LANDSCAPE MAINTENANCE, MP X.XX

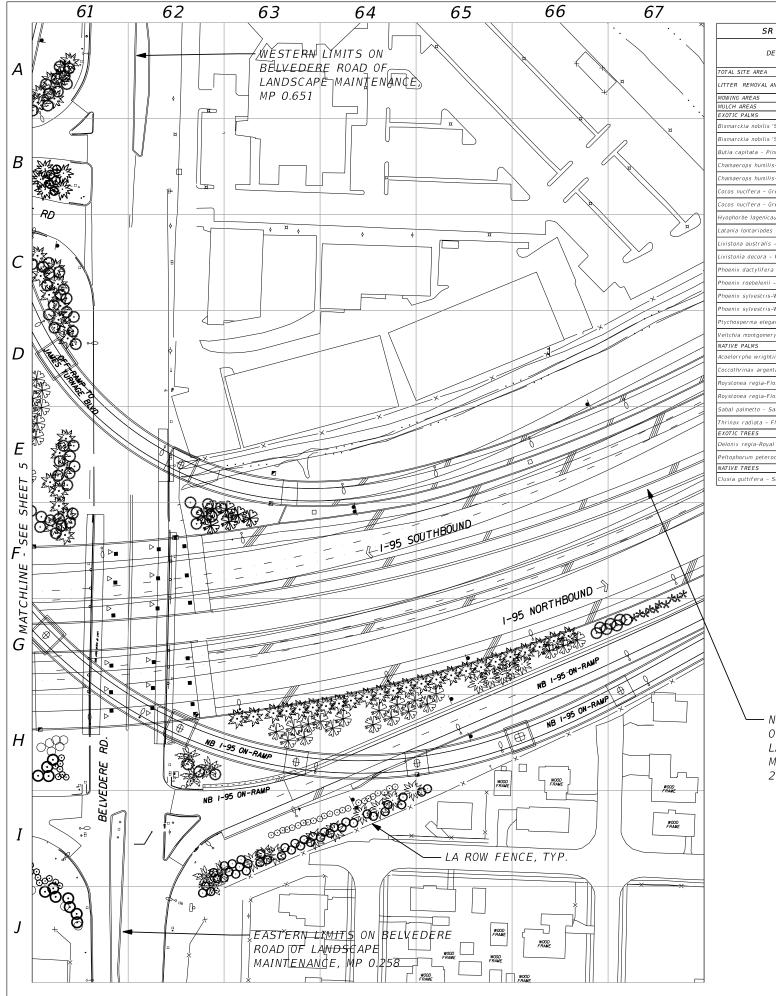












DESCRIPTION	INSTALLED SIZE / REMARKS	UNIT	GRAND TOTAL	MIN. FERTILIZER APP'S/YEAR
TOTAL SITE AREA	INCLUDES ENTIRE LIMITS OF MAINTENANCE AREAS	AC	114.600	
LITTER REMOVAL AND DISPOSAL	FOR ENTIRE MAINTENANCE LIMITS NOT INCLUDING PONDS OR PAVEMENT	AC	49.690	
MOWING AREAS	LITTER AREAS NOT INCLUDING NATURAL AREAS OR MULCH AREAS	AC	47.846	
MULCH AREAS	ASSUMES 5-FOOT DIAMETER TREE RING FOR ALL INSTALLED LANDSCAPE	SF	80,343	
EXOTIC PALMS				
Bismarckia nobilis 'Silver'-Silver Bismarck Palm	9' - 12' CT	EA	82	2
Bismarckia nobilis 'Silver'-Silver Bismarck Palm	13' - 15' CT	EA	86	2
Butia capitata - Pindo Palm	4' CT	EA	231	2
Chamaerops humilis-European Fan Palm	7' - 8' OA	EA	353	2
Chamaerops humilis-European Fan Palm	4' - 6' OA	EA	225	2
Cocos nucifera - Green Malayan Coconut	13' - 16' GW	EA	328	2
Cocos nucifera - Green Malayan Coconut	9' - 12' GW	EA	195	2
Hyophorbe lagenicaulis - Bottle Palm	11' - 14' OA	EA	352	2
atania lontariodes - Red Latan Palm	8' - 10' OA	EA	557	2
Livistona australis - Australis Palm	19' - 25' OA	EA	54	2
Livistonia decora - Ribbon Palm	19' - 24' OA	EA	66	2
Phoenix dactylifera 'Medjool'-Medjool Date Palm	25' - 30' OA	EA	6	2
Phoenix roebelenii - Pygmy Date Palm 'Double'	8' - 10' OA	EA	50	2
Phoenix sylvestris-Wild Date Palm	5' - 8' CT	EA	177	2
Phoenix sylvestris-Wild Date Palm	13' - 15' CT	EA	8	2
Ptychosperma elegans - Solitaire Palm	19' - 24' OA	EA	5	2
/eitchia montgomeryana-Montgomery Palm	25' - 30' OA	EA	111	2
NATIVE PALMS				
Acoelorrphe wrightii - Paurotis Palm	11' - 14' OA	EA	12	2
Coccothrinax argentata - Florida Silver Palm	4' - 6' OA	EA	37	1
Roystonea regia-Florida Royal Palm	17' - 20' GW	EA	38	2
Roystonea regia-Florida Royal Palm	21' - 24' GW	EA	56	2
Sabal palmetto - Sabal Palmetto	16' - 20' CT	EA	152	0
Fhrinax radiata - Florida Thatch Palm	UP TO 8' 0A	EA	670	1
EXOTIC TREES				
Delonix regia-Royal Poinciana	11' - 14' OAH	EA	32	2
Peltophorum peterocarpum - Yellow Poinciana	15' - 18' OAH	EA	37	2
NATIVE TREES				

- NORTHERN LIMITS ON I-95 OF LANDSCAPE MAINTENANCE, MP 26.116

### ATTACHMENT II LANDSCAPE MAINTENANCE PLAN

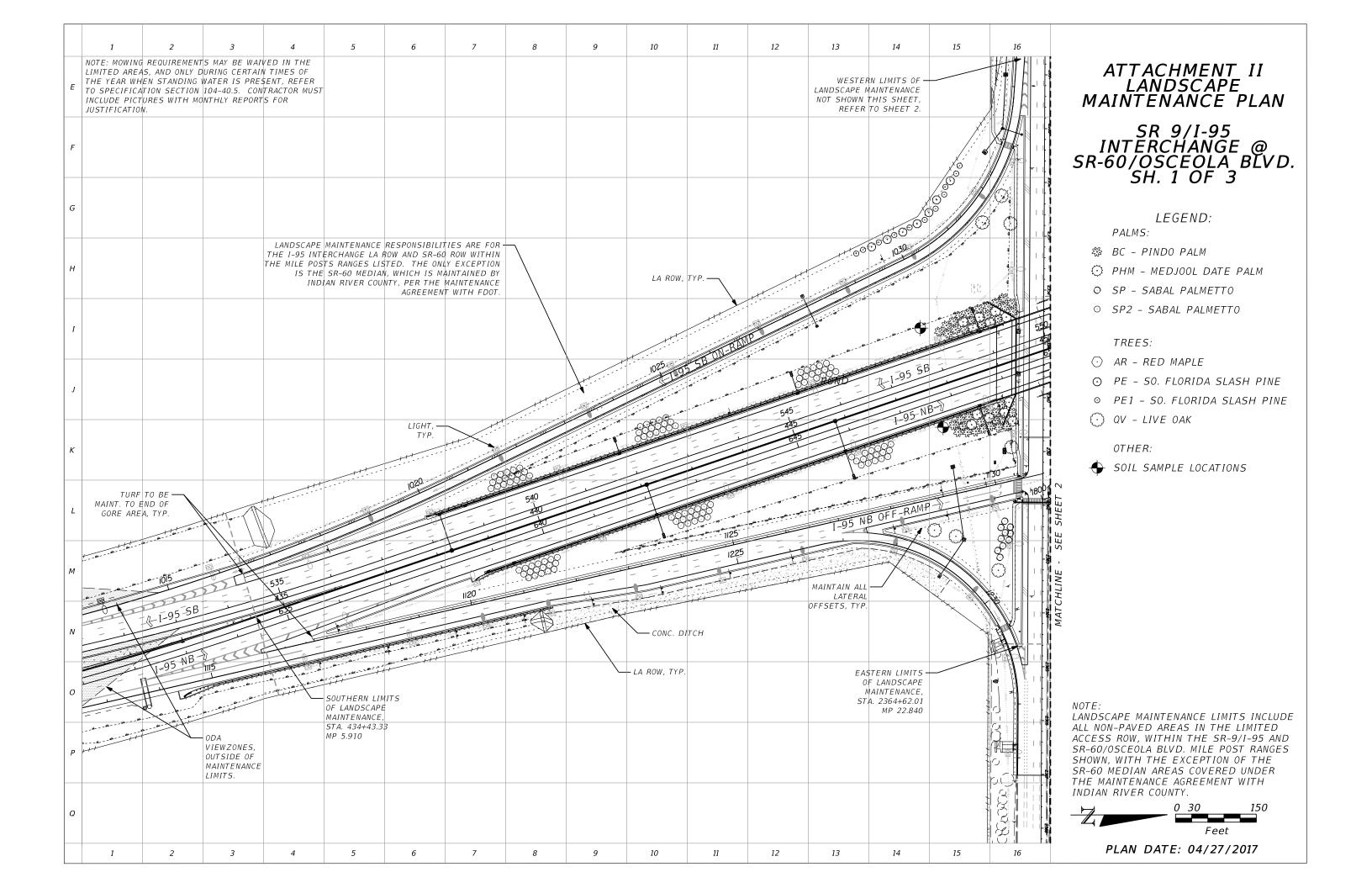
#### SR 9/I-95 @ SR 80/SOUTHERN BLVD. AND BELVEDERE ROAD. SH. 6 OF 6

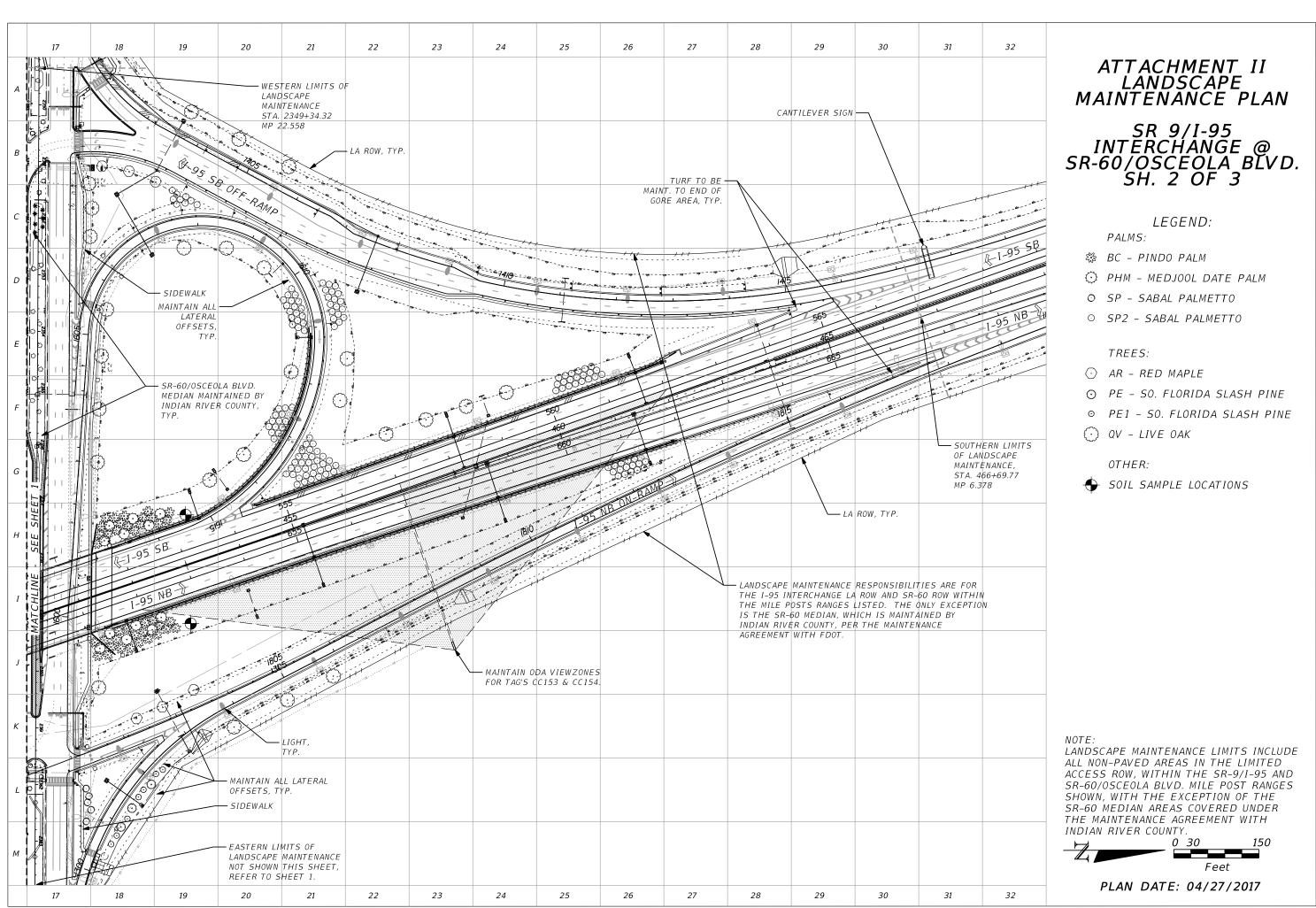
LEGEND:

SILVER BISMARCK PALM ⊙ EUROPEAN FAN PALM PINDO PALM ○ SMALL LEAF CLUSIA - TREE FORM • BOTTLE PALM ○ RED LATAN PALM S AUSTRALIS PALM SYLVESTER PALM • RIBBON PALM  $(\cdot)$  PAUROTIS PALM • PYGMY DATE PALM ALEXANDER PALM \* THATCH PALM MONTGOMERY PALM SREEN MALAYAN COCONUT PALM ○ SABAL PALMETTO ○ FLORIDA SILVER PALM { ROYAL POINCIANA YELLOW POINCIANA SOIL TESTING LOCATION

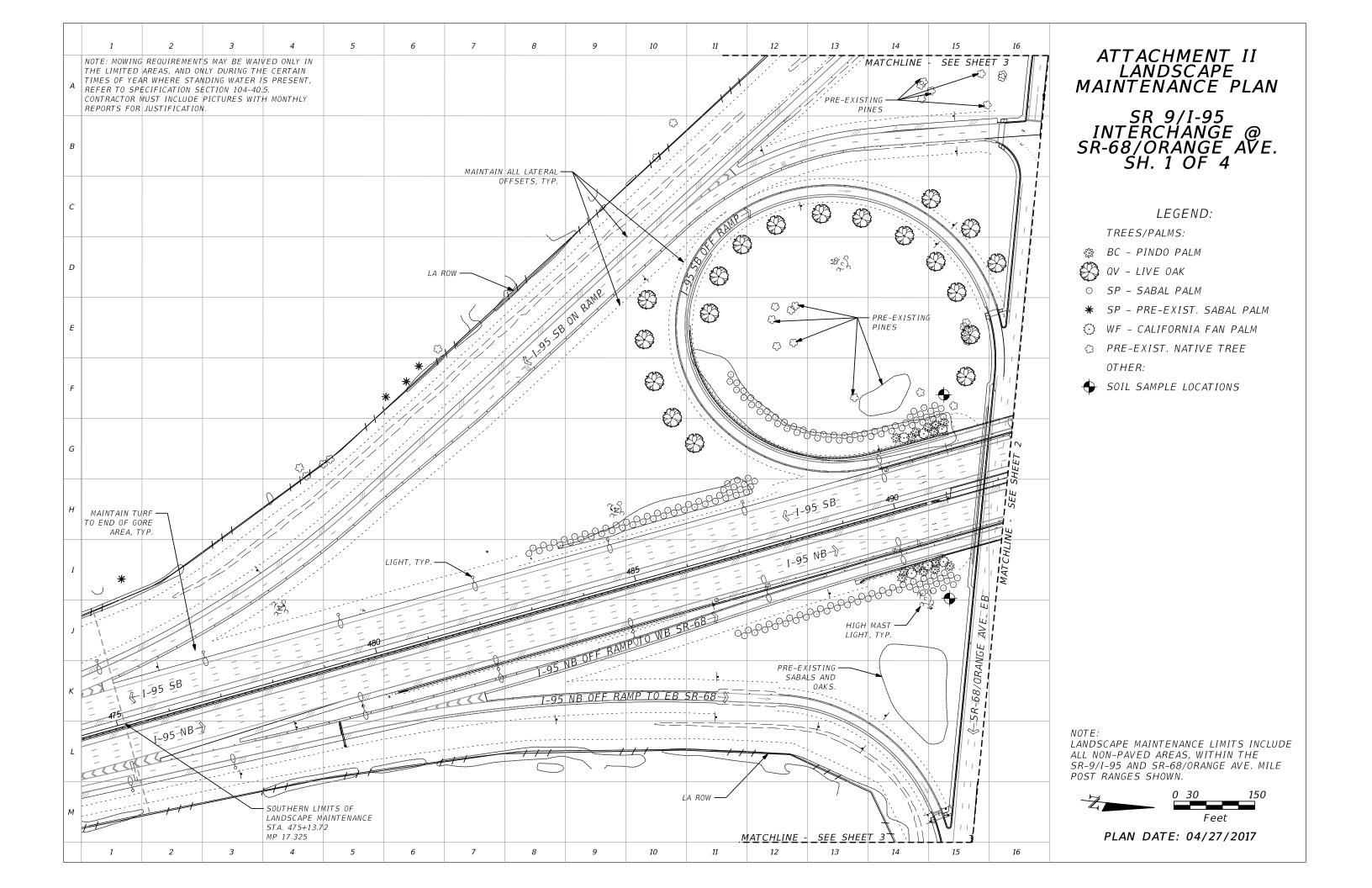
NOTE: LANDSCAPE MAINTENANCE LIMITS INCLUDE ALL NON-PAVED AREAS WITHIN THE MILE POST RANGES SHOWN. POND AREAS WITH STANDING WATER ARE INCLUDED FOR INVASIVE REMOVALS.

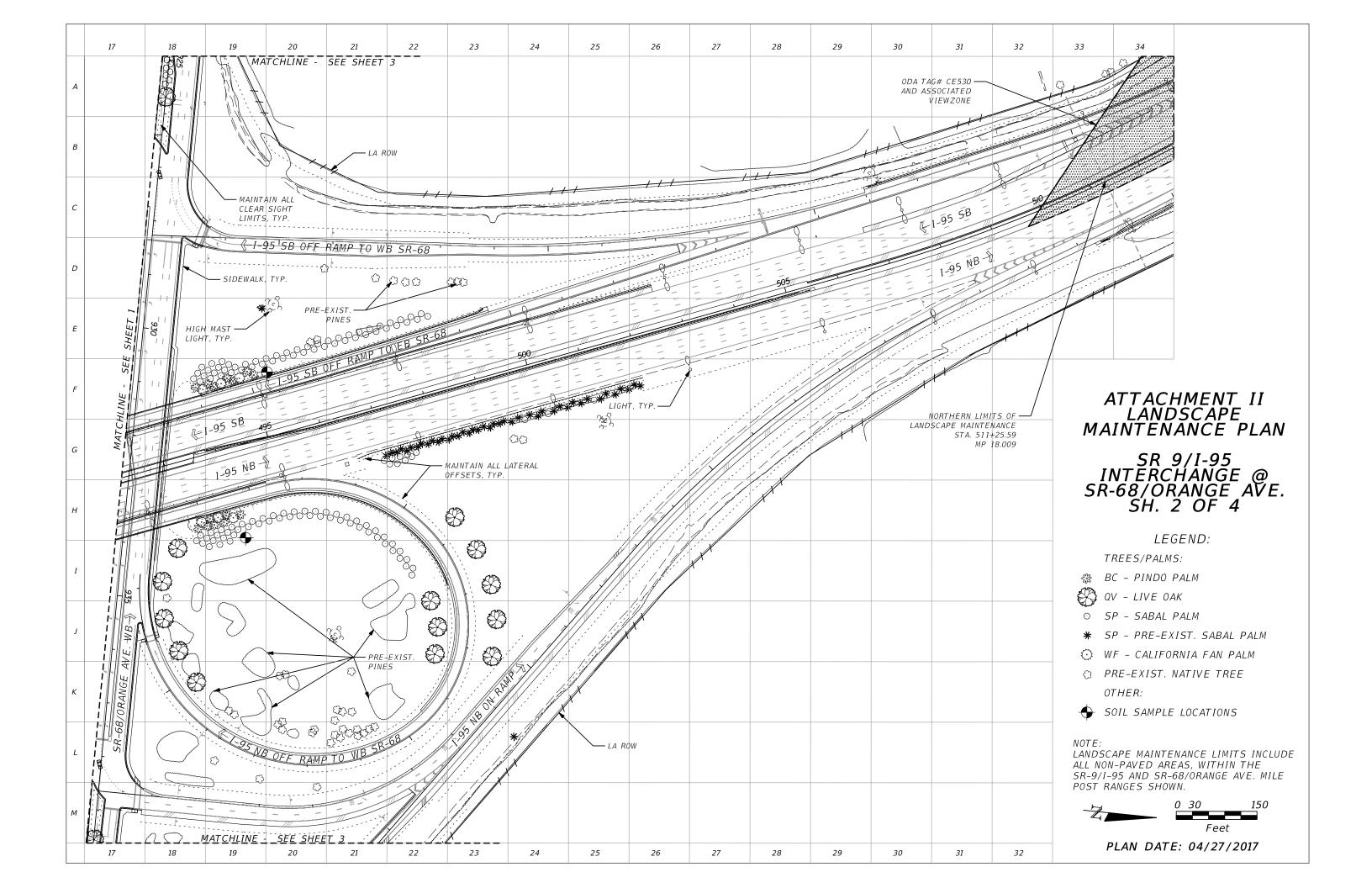


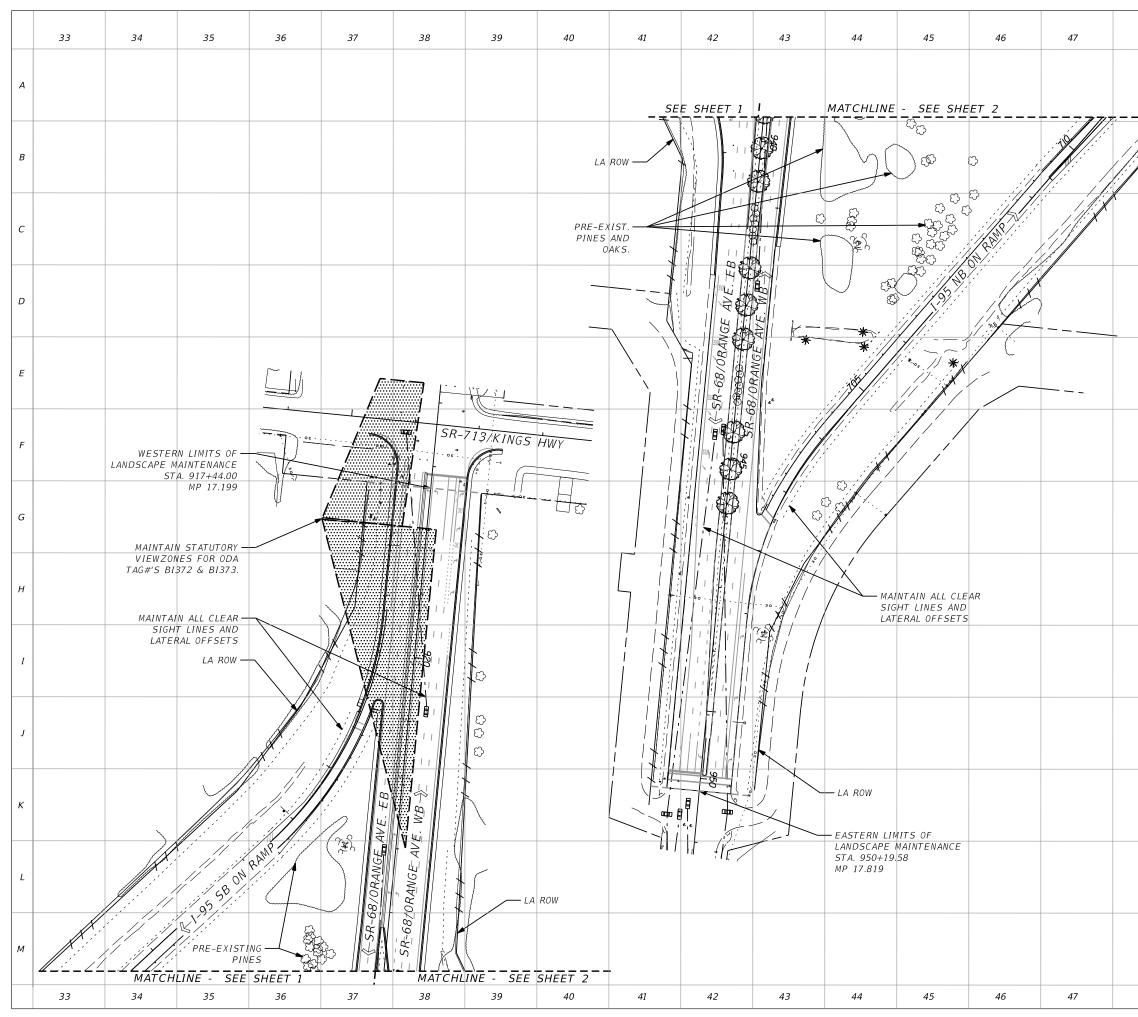




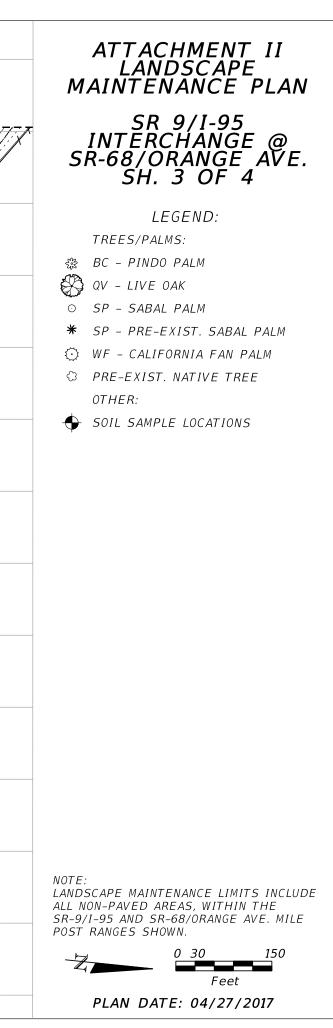
ATTACHMENT II – SR 9/I-95 INTERCHANGE AT SR-60/OSCEOLA BLVD. TABULATION OF MAINTENANCE QUANTITIES					
DESCRIPTION	INSTALLED SIZE / REMARKS	UNIT	GRAND TOTAL	MIN. FERTILIZER APP'S/YEAR	
TOTAL SITE AREA	INCLUDES ENTIRE LIMITS OF MAINTENANCE AREAS	AC	47.497		
LITTER REMOVAL AND DISPOSAL	FOR ENTIRE MAINTENANCE LIMITS (EXCLUDING PAVEMENT AREAS)	AC	26.088		
MOWING AREAS	LITTER AREAS NOT INCLUDING NATURAL AREAS OR MULCH AREAS	AC	25.900		
MULCH AREAS	INCLUDES TREE RINGS (APPROXIMATLEY 5' DIAMETER)	SF	8,203		
EXOTIC PALMS					
<b>BC</b> - Butia capitata - Pindo Palm	10' OA	EA	76	2	
РНМ – Phoenix dactylifera 'Medjool' – Medjool Date Palm	20' CT	EA	24	2	
NATIVE PALMS					
<b>SP</b> - Sabal Palmetto - Sabal Palmetto	10', 14', 16', 20' CT Staggered Heights	EA	24	0	
<b>SP2</b> – Sabal Palmetto – Sabal Palmetto	18-24' CT, Staggered Heights, Slick Trunk	EA	227	0	
NATIVE TREES					
<b>AC</b> – Acer rubrum – Red Maple	12' HT. X 5' SPRD. 2.5" CAL.	EA	6	0	
<b>PE</b> - Pinus elliotii 'Densa' - South Florida Slash Pine	12-14' OA, 2.5" CAL.	EA	10	0	
<b>PE1</b> - Pinus elliotii 'Densa' - South Florida Slash Pine	#15 GAL. 8' OA	EA	18	0	
<b>QV</b> – Quercus virginiana – Live Oak	14' HT. X 6' SPRD. 3" CAL., 5' CT	EA	33	0	



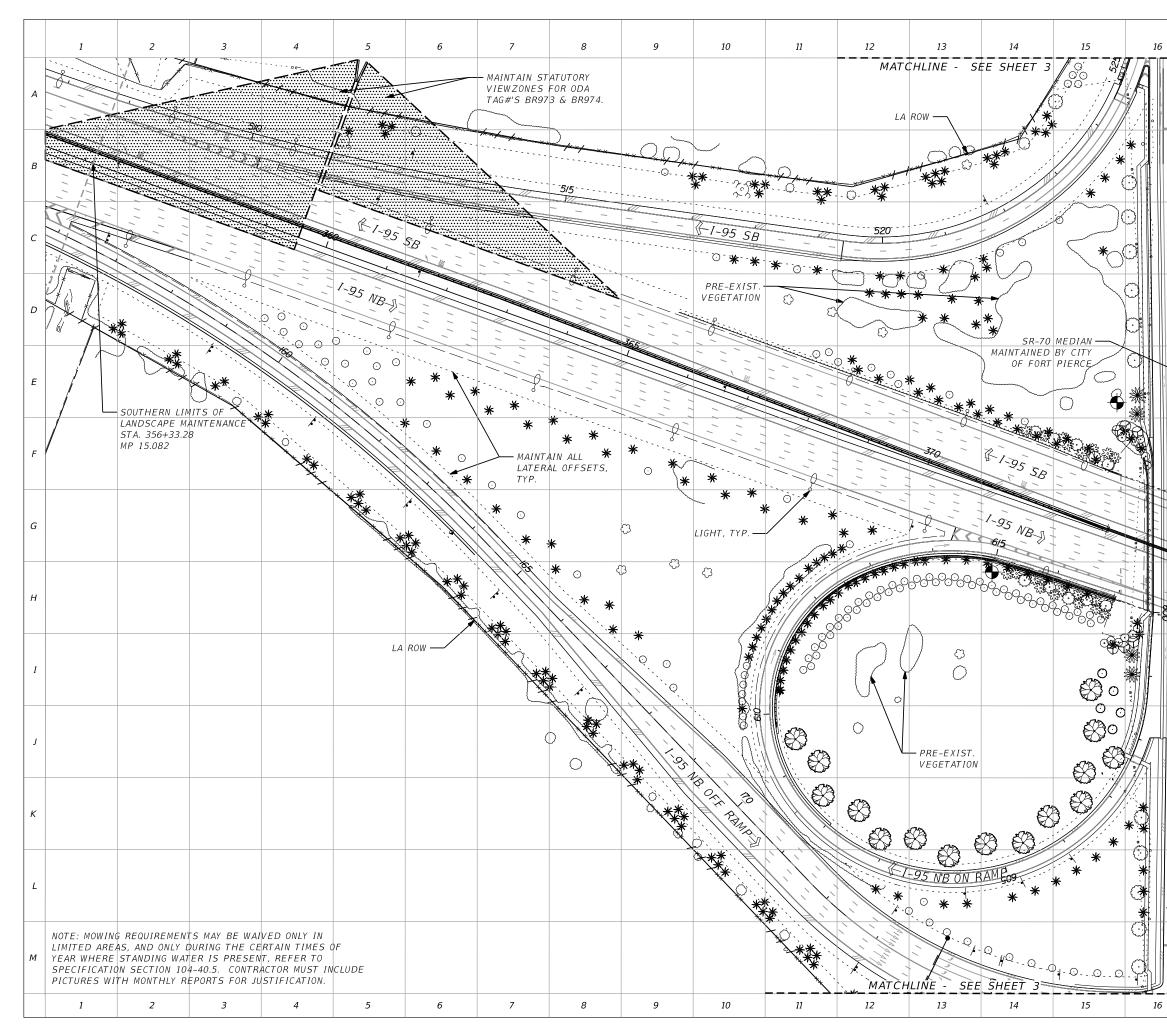


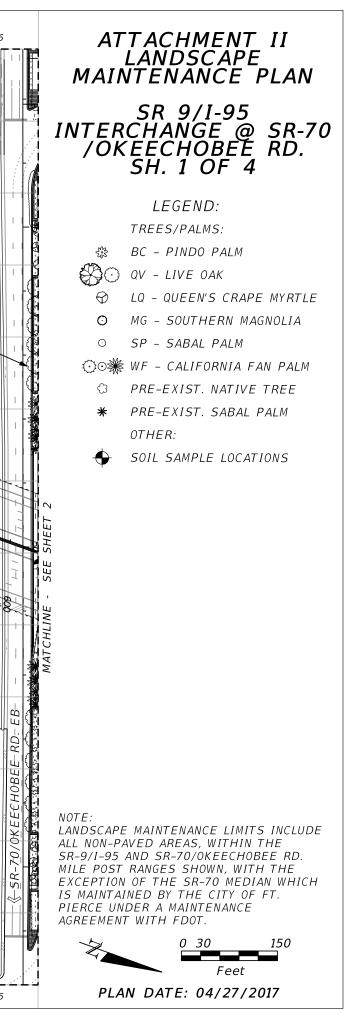


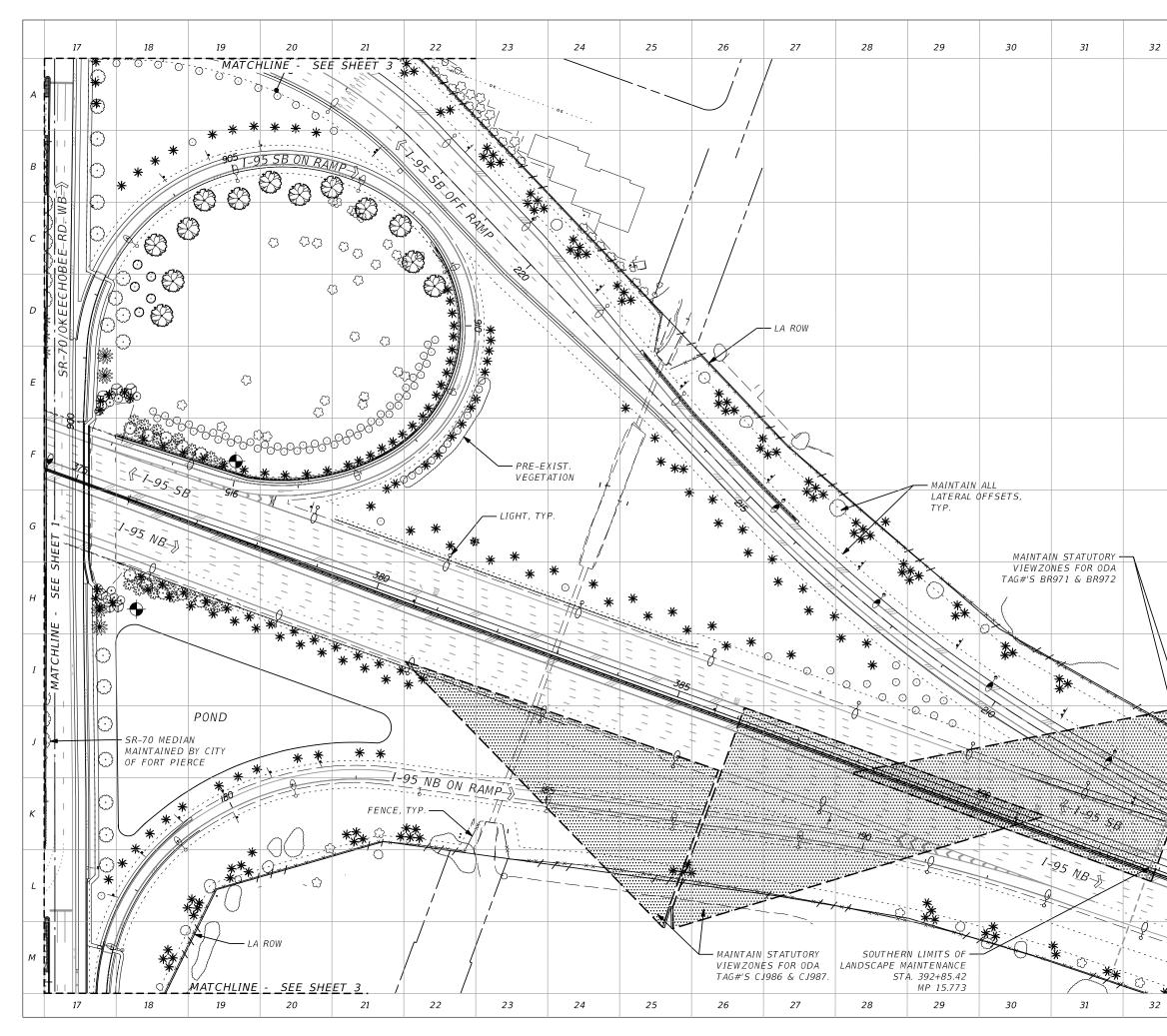


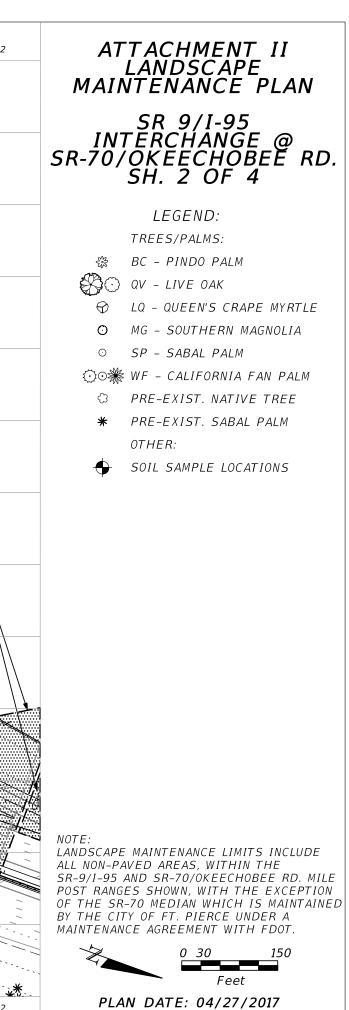


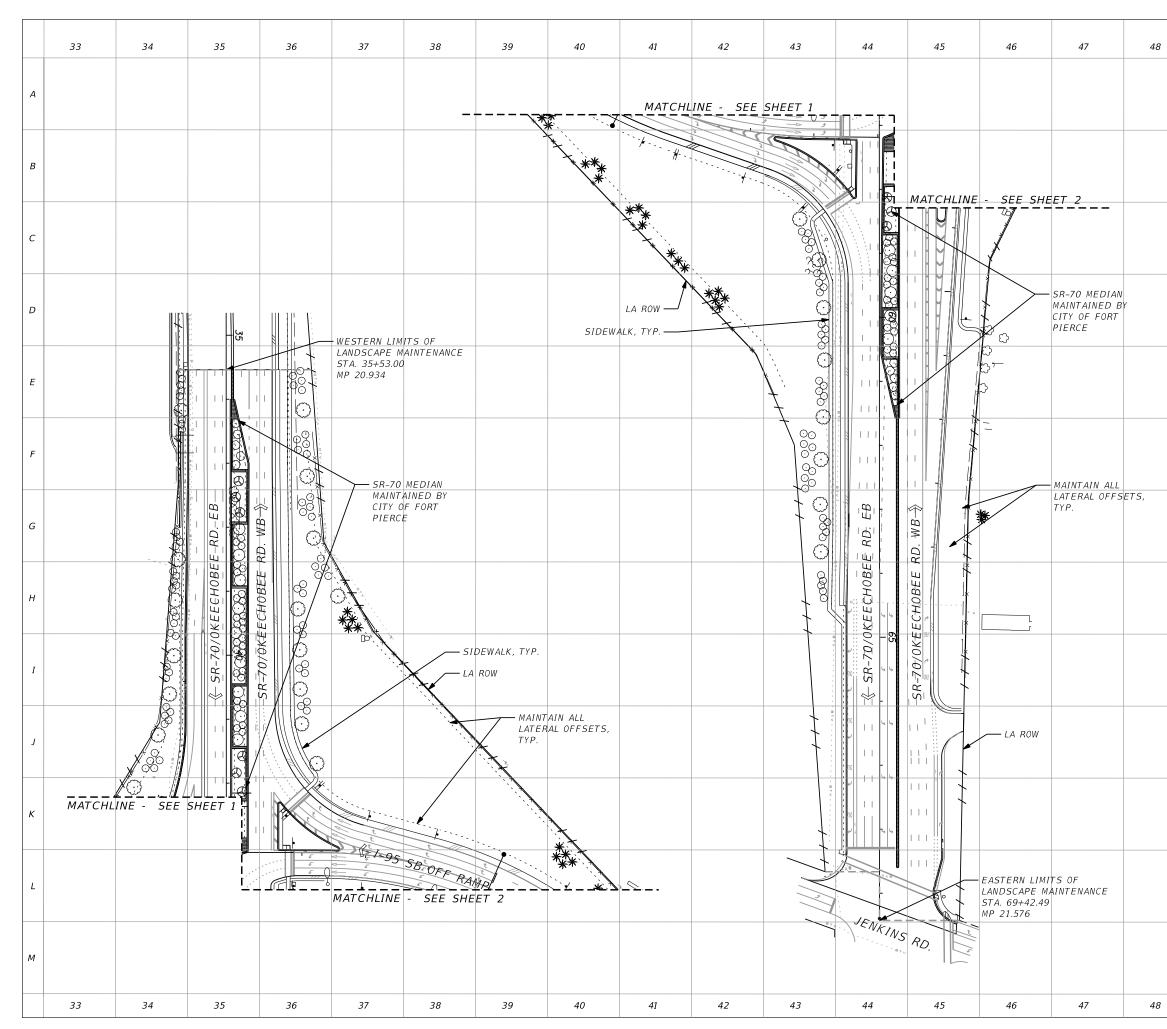
ATTACHMENT II -	SR 9/I-95 INTERCHANGE AT SR-68/ORANGE AVE. TABULATION OF MAINT	ENANCE QUANTITI	ES	
DESCRIPTION	INSTALLED SIZE / REMARKS	UNIT	GRAND TOTAL	MIN. FERTILIZER APP'S/YEAR
TOTAL SITE AREA	INCLUDES ENTIRE LIMITS OF MAINTENANCE AREAS	AC	88.247	
LITTER REMOVAL AND DISPOSAL	FOR ENTIRE MAINTENANCE LIMITS (EXCLUDES PAVEMENT AREAS)	AC	56.079	
MOWING AREAS	LITTER AREAS NOT INCLUDING NATURAL AREAS OR MULCH AREAS	AC	55.933	-
MULCH AREAS	INCLUDES TREE RINGS (APPROXIMATELY 5' DIAMETER)	SF	6,359	
EXOTIC PALMS				
<b>BC</b> - Butia capitata - Pindo Palm	10' OA	EA	28	2
<b>WF</b> - Washingtonia filifera - California Fan Palm	20' CT	EA	12	2
NATIVE PALMS				
<b>SP</b> - Sabal Palmetto - Sabal Palmetto	10', 14', 16', 20' CT Staggered Heights	EA	21	0
<b>SP2</b> – Sabal Palmetto – Sabal Palmetto	22-24' CT, Staggered Heights, Slick Trunk	EA	221	0
NATIVE TREES		•		•
<b>QV</b> – Quercus virginiana – Live Oak	14' HT. X 6' SPRD. 3" CAL., 5' CT	EA	42	0
*PRE-EXISTING VEGETATION DOES NOT REQUIRE FERTILIZATION, AND SA	ABAL PALMS DO NOT REQUIRE PRUNING			





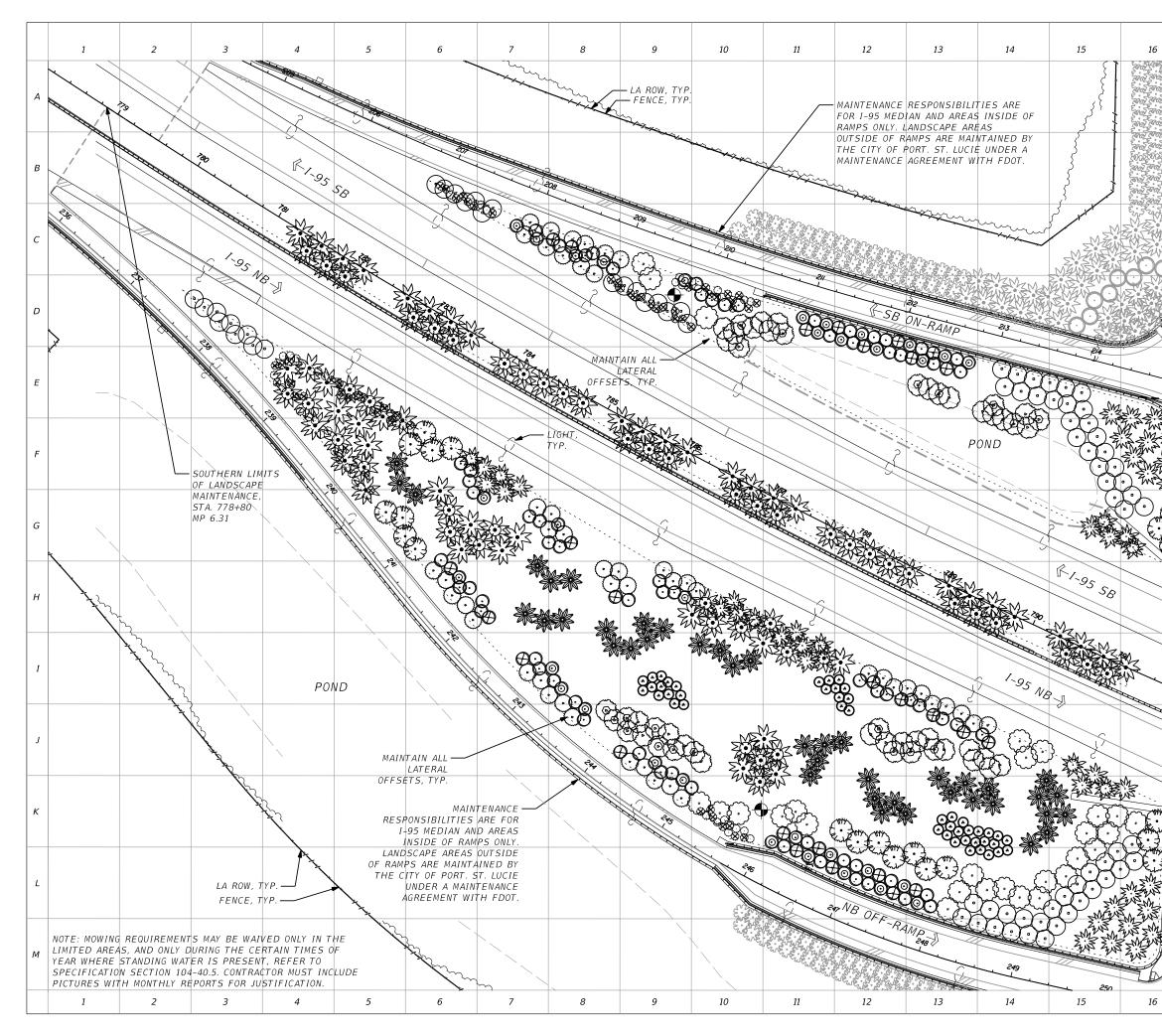


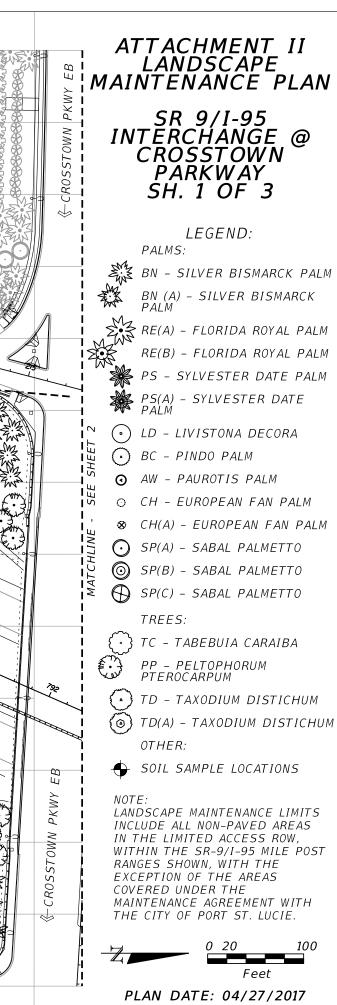


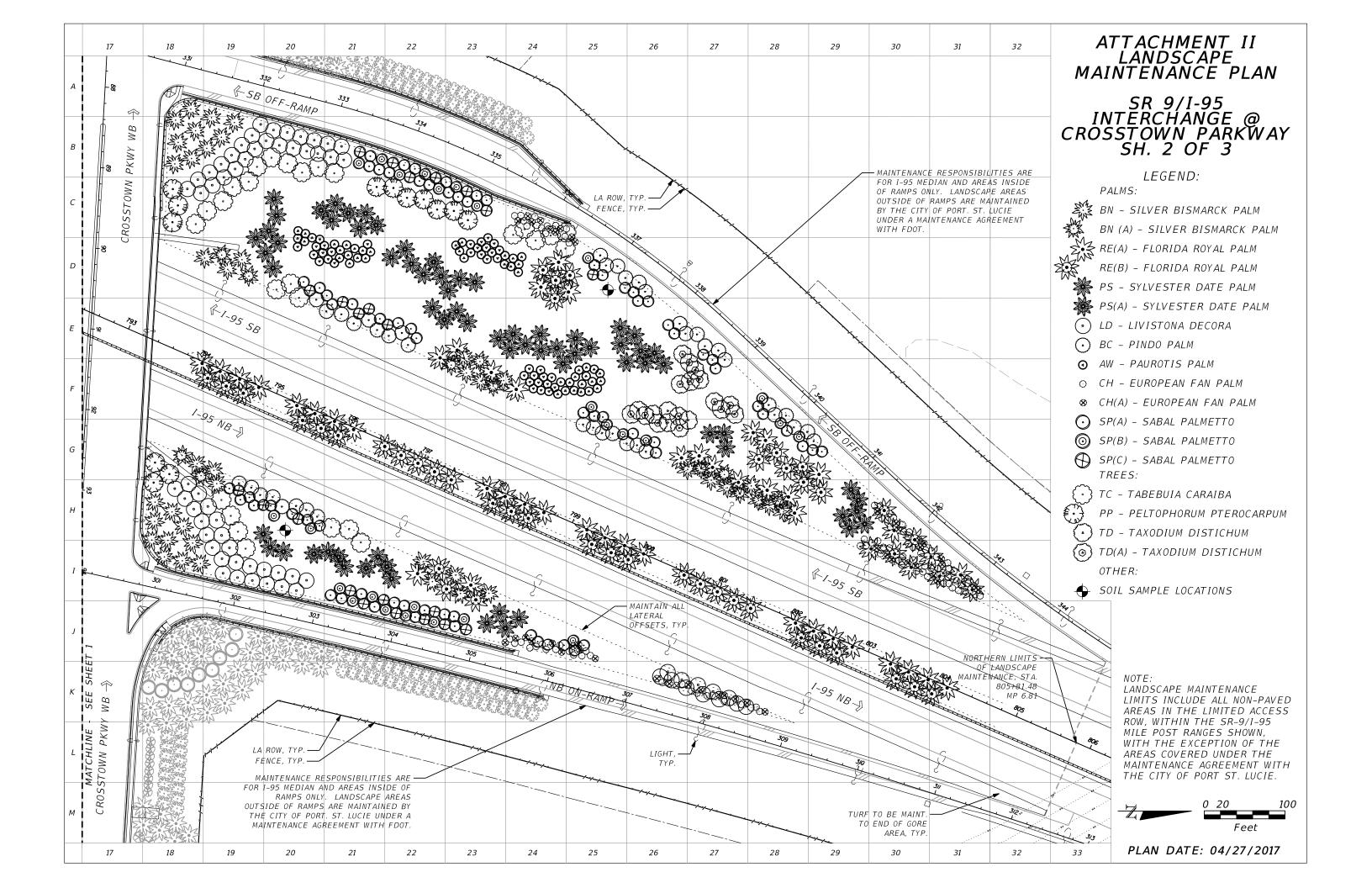




ATTACHMENT II – SR 9/I-95 INTERCHANGE AT SR-70/OKEECHOBEE RD. TABULATION OF MAINTENANCE QUANTITIES					
DESCRIPTION	INSTALLED SIZE / REMARKS	UNIT	GRAND TOTAL	MIN. FERTILIZER APP'S/YEAR	
TOTAL SITE AREA	INCLUDES ENTIRE LIMITS OF MAINTENANCE AREAS	AC	92.883		
LITTER REMOVAL AND DISPOSAL	FOR ENTIRE MAINTENANCE LIMITS (EXCLUDING PAVEMENT AREAS)	AC	55.974		
MOWING AREAS	LITTER AREAS NOT INCLUDING NATURAL AREAS OR MULCH AREAS	AC	55.731	-	
MULCH AREAS	INCLUDES TREE RINGS (APPROXIMATELY 5' DIAMETER)	SF	10,578		
EXOTIC PALMS					
<b>BC</b> - Butia capitata - Pindo Palm	10' OA	EA	39	2	
<b>WF</b> - Washingtonia filifera - California Fan Palm	20' CT	EA	54	2	
NATIVE PALMS					
<b>SP</b> - Sabal Palmetto - Sabal Palmetto	10', 14', 16', 20' CT Staggered Heights	EA	327	0	
EXOTIC TREES			•		
<b>LQ</b> - Lagerstroemia speciosa - Queens Crape Myrtle	12' HT. X 5' SPRD.	EA	12	2	
NATIVE TREES			•		
<b>MG</b> - Magnolia Grandiflora - Southern Magnolia	10' HT. 2" CAL., 5' CT	EA	10	2	
<b>QV</b> – Quercus virginiana – Live Oak	14' HT. X 6' SPRD. 3" CAL., 5' CT	EA	97	0	
*PRE-EXISTING VEGETATION DOES NOT REQUIRE FERTILIZATION, AN	D SABAL PALMS DO NOT REQUIRE PRUNING		1	L	







ATTACHMENT II – SR 9/I-95 INTERCHANGE AT CROSSTOWN PARKWAY TABULATION OF MAINTENANCE QUANTITIES						
DESCRIPTION	INSTALLED SIZE / REMARKS	UNIT	GRAND TOTAL	MIN. FERTILIZEF APP'S/YEAR		
TOTAL SITE AREA	INCLUDES ENTIRE LIMITS OF MAINTENANCE AREAS	AC	27.420			
LITTER REMOVAL AND DISPOSAL	FOR ENTIRE MAINTENANCE LIMITS (EXCLUDING PONDS OR PAVEMENT)	AC	18.510			
MOWING AREAS	LITTER AREAS NOT INCLUDING NATURAL AREAS OR MULCH AREAS	AC	17.886	-		
MULCH AREAS	INCLUDES TREE RINGS (APPROXIMATELY 5' DIAMETER)	SF	27,161			
EXOTIC PALMS						
<b>BN</b> – Bismarckia nobilis 'Silver'-Silver Bismarck Palm	13-15' CT	EA	78	2		
<b>BN (A)</b> – Bismarckia nobilis 'Silver'-Silver Bismarck Palm	5-8' CT	EA	20	2		
<b>BC</b> – Butia capitata – Pindo Palm	4' CT	EA	81	2		
CH - Chamaerops humilis - European Fan Palm	7' 0A	EA	100	2		
<b>CH (A)</b> - Chamaerops humilis - European Fan Palm	4-6' OA	EA	134	2		
LD - Livistonia decora-Ribbon Palm	19-24' OA	EA	139	2		
<b>PS</b> – Phoenix sylvester – Sylvester Date Palm	13-15' CT	EA	88	2		
<b>PS (A)</b> – Phoenix sylvester – Sylvester Date Palm	9-12' CT	EA	26	2		
NATIVE PALMS						
AW - Acoelorrhape wrightii - Paurotis Palm	11-14' OA	EA	124	1		
<b>RE (A)</b> – Roystonea regia-Florida Royal Palm	17-20' GW	EA	94	2		
<b>RE (B)</b> - Roystonea regia-Florida Royal Palm	21-24' GW	EA	94	2		
<b>SP (A)</b> – Sabal palmetto – Sabal Palmetto	16-20' CT	EA	140	0		
<b>SP (B)</b> - Sabal palmetto - Sabal Palmetto	21-24' CT	EA	60	0		
<b>SP (C)</b> – Sabal Palmetto – Sabal Palmetto	25-30' CT	EA	50	0		
EXOTIC TREES						
<b>TC</b> - Tabebuia caraiba-Silver Trumpet Tree	15-18' OA	EA	52	1		
<b>PP</b> – Peltophorum pterocarpum – Yellow Poinciana	15-18' OA	EA	34	2		
NATIVE TREES						
<b>TD</b> - Toxodium distichum - Bald Cypress	11-14' OA	EA	35	0		
<b>TD (A)</b> - Toxodium distichum - Bald Cypress	15-18' OA	EA	35	0		