Docusign Envelope ID: 016F9749-4BF3-4EF1-908C-24D56AFB1FC2

SECTION: **86028000**
COUNTY: **BROWARD**
STATE RD: **834**
PERMIT: **2024-L-491-00007**

AMENDMENT NUMBER NINE (9) TO
FLORIDA DEPARTMENT OF TRANSPORTATION DISTRICT FOUR (4)
LANDSCAPE INCLUSIVE MAINTENANCE MEMORANDUM OF AGREEMENT

THIS AMENDMENT Number Nine (9) to the Agreement dated May 27, 2009, made and entered into this 8th day of October 20 24 by and between the STATE OF **FLORIDA DEPARTMENT OF TRANSPORTATION** hereinafter called the **DEPARTMENT** and the **CITY OF COCONUT CREEK**, a municipal subdivision of the State of Florida, hereinafter called the **AGENCY**.

W I T N E S S E T H

WHEREAS, the parties entered into the Landscape Inclusive Maintenance Memorandum of Agreement dated, May 27, 2009 (Original Agreement) for the purpose of the AGENCY maintaining landscape improvements on various state roads within the AGENCY'S jurisdiction, including **State Road 834 (Sample Road**); and,

WHEREAS, the DEPARTMENT and the AGENCY have agreed to add additional landscape on **State Road 834 (Sample Road)** in accordance with the Original Agreement; and,

NOW THEREFORE, for and in consideration of mutual benefits that flow each to the other, the parties covenant and agree as follows:

1. Pursuant to Page 7, Paragraph 8 of the Original Agreement, the DEPARTMENT will allow an Adjacent Property Owner to construct, via permit, additional landscape improvements within the DEPARTMENT's right-of-way, or to modify an improvement located as indicated in **Exhibit "A"** on **State Road 834 (Sample Road)** from M.P. 4.387 to M.P. 4.455, in accordance with the plans attached as **Exhibit "B".**

2. The AGENCY shall agree to maintain the additional landscape improvements in this Amendment, including the meandering concrete sidewalk, shrubs, and irrigation, in accordance with the Original Agreement's Exhibit "C", Maintenance Plan, Part I, and Part II as follows:

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II. SPECIFIC PROJECT SITE MAINTENANCE REQUIREMENTS AND RECOMMENDATIONS

A. The design intent for this project is to line the new 12' curved sidewalk path with various low groundcover & shrub materials placed within and along the FDOT sidewalk easement. These plantings follow the City's initiative (code implemented) for a tiered layered planting buffer that fronts the subject property per approved plans.

B. Canopy Trees are intended to be maintained at mature height and spread for their specific type / species. Note: No canopy trees are being proposed within the defined / recorded FDOT sidewalk easements, however, trees that are in close proximity (those trees that will ultimately have canopy overhanging these easements) shall be subject to all applicable maintenance objectives herein, including Live Oaks, Strangler Fig, Japanese Blueberry and Royal Palms. Refer to Part I Pruning, for clear sight window and vertical clear zone pruning requirements.

C. Remove suckering growth from base and clear trunk areas for single and multi-trunked trees on a quarterly basis.

D. To maintain the intended appearance of all palms, apply the latest palm fertilizer recommended by the University of Florida IFAS Extension per the manufacturer's specifications.

E. To maintain the intended appearance of all shrubs or turf grass, apply the latest fertilizer recommended by the University of Florida IFAS Extension per the manufacturer's specifications.

F. Do not remove fronds from self-cleaning palms, unless damaged. Palms with persistent fronds shall only have dead fronds removed, do not remove any green fronds. If it is deemed necessary to prune a palm's fronds, no fronds shall be trimmed above 3 o'clock and 9 o'clock on the horizontal plain.

G. Shrub horizontal growth shall be maintained to prevent foliage from growing beyond the limits of the planting areas shown on the plan. Maintain a 6" minimum setback from the foliage to the edge of curb, pavement, sidewalk and/or other hardscape improvements. Groundcover horizontal growth shall be maintained are 4" from the edge of curb, pavement, sidewalk and/or other hardscape improvements.

H. Maintain the vertical heights of shrubs as follows:

   a. *Philodendron Xanadu*: between 30" and 36", full to ground
   b. *Jatropha (bush form):* between 48" and 60"
   c. *Juniper horizontalis:* between 36" and 48"
   d. *Indian Hawthorne:* between 24" and 30"
   e. *Liriope E.G.:* mature height 18"- 24", do not trim. Remove blades from overhanging sidewalk only.
   f. *Sand Cord Grass:* mature height 36"- 48", do not trim. Remove dead blades once a year.

I. Inspect groundcovers and shrubs on a monthly basis for maintaining full to ground coverage.

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J. Evaluate plant material on a monthly basis for pests, diseases, drought stress or general decline. If required, follow the integrated pest management program established by the Agency to ensure healthy plants.

K. Inspect the irrigation system performance on a monthly basis to ensure the system is providing 100% coverage, does not have sections of low pressure, heads and valves are clean and clear of debris and any damaged irrigation components (i.e., spray nozzles, spray heads, valve boxes, etc.) are repaired or replaced.

Except as modified by this Amendment, all terms and conditions of the Original Agreement and all Amendments thereto shall remain in full force and effect.

LIST OF EXHIBITS

Exhibit A - Landscape Maintenance Boundaries
Exhibit B - Landscape Improvement Plans

In Witness whereof, the parties hereto have executed this Amendment effective the day and year written and approved.

CITY OF COCONUT CREEK

By: _____ Date: 9/26/24
Sheila N. Rose, City Manager

Attest:

_____ (SEAL)
Joseph J. Kavanagh, City Clerk

Legal Review:

_____
Terrill C. Pyburn, City Attorney

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

DocuSigned by:
By: John Krane Date: 10/08/2024 | 2:56 PM EDT
A524C9FDE7984A5...
John Krane, P.E., Director of Transportation Development

Attest:

DocuSigned by:
_____ (SEAL)
E14549BD681D471...
Alia Channel, Executive Secretary

Legal Review:

DocuSigned by:
_____
43DE6BB3D3BF464...
Francine Steelman, Office of the General Counsel

Docusign Envelope ID: 016F9749-4BF3-4EF1-908C-24D56AFB1FC2

SECTION: **86028000**
COUNTY: **BROWARD**
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PERMIT: **2024-L-491-00007**

EXHIBIT A

LANDSCAPE MAINTENANCE BOUNDARIES

I. ORIGINAL LIMITS OF INCLUSIVE LANDSCAPE MAINTENANCE AGREEMENT FOR STATE ROAD 834 (SAMPLE ROAD):

M.P. 3.008 (State Road 91) to M.P. 5.030 (West of State Road 7)

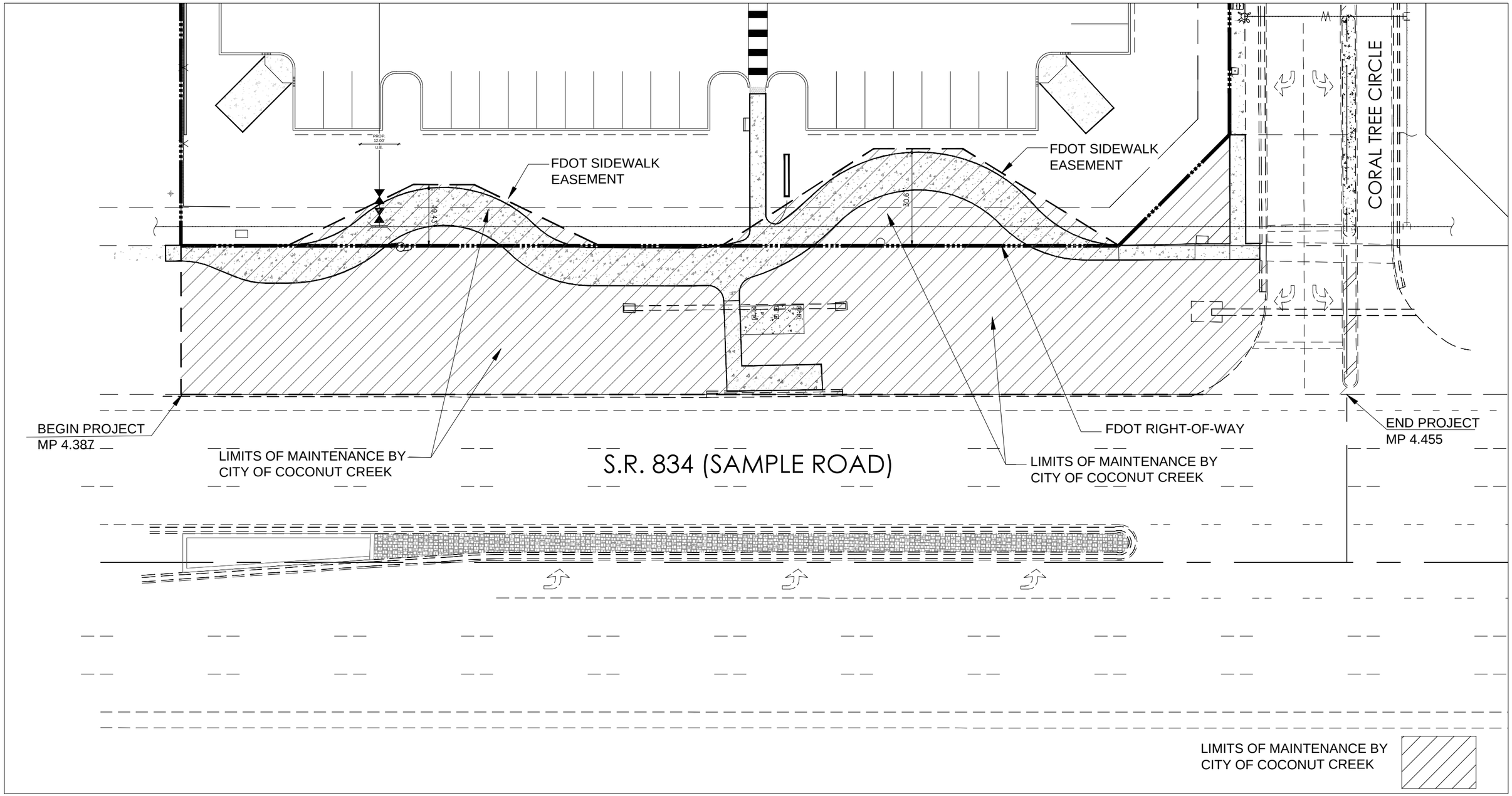
II. LIMITS OF LANDSCAPE IMPROVEMENTS FOR AMENDMENT #9 *:

State Road 834 (Sample Road) from M.P. 4.387 to M.P. 4.455 (Coral Tree Circle)

III. LANDSCAPE IMPROVEMENTS MAINTENANCE RESPONSIBILITIES MAP FOR AMENDMENT #9:

Please See Attached*

***All other limits of the Original Agreement and Amendments shall apply.**



COCONUT CREEK MAZDA

3757 CORAL TREE CIRCLE
COCONUT CREEK, FLORIDA 33073

FDOT - SR 834 & SIDEWALK EASEMENT

N

Graphic Scale in Feet

0 200' 400'

SCALE = 1" = 200'

NOTE: Printed drawing size may have changed from original. Verify scale using Bar Scale above.

LANDSCAPE IMPROVEMENT
MAINTENANCE BOUNDARY MAP

CITY OF COCONUT CREEK, FLORIDA

FDOT LANDSCAPE PERMIT # 2024-L-491-00007

Docusign Envelope ID: 016F9749-4BF3-4EF1-908C-24D56AFB1FC2

SECTION: **86028000**
COUNTY: **BROWARD**
STATE RD: **834**
PERMIT: **2024-L-491-00007**

EXHIBIT B

LANDSCAPE IMPROVEMENT PLANS

The AGENCY agrees to install the landscape improvements in accordance with the plans and specifications attached hereto and incorporated herein.

Please see attached plans prepared by: Lynn Bender, RLA
LBLA, Inc.

Date: May 16, 2024

Sheets: Cover, LP1, LP2, LP5, LP8,
IR-1, IR-2, IR-5, IR-Details

Docusign Envelope ID: 016F9749-4BF3-4EF1-908C-24D56AFB1FC2

FDOT GENERAL NOTES

GOVERNING STANDARD PLANS:

1. Florida Department of Transportation, FY 2023-24 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs) are available at the following website: https://www.fdot.gov/design/standardplans

GOVERNING STANDARD SPECIFICATIONS:

2. Florida Department of Transportation, FY 2023-24 Standard Specifications for Road and Bridge Construction at the following website: https://www.fdot.gov/programmanagement/implemented/specbooks

3. Contractor shall repair all damage done to FDOT property during demolition, relocation &/or installation activities at his sole expense.

4. Any plant material substitution within or impacting the FDOT Right of Way whether requested by the Contractor, Owner, Landscape Architect or other will need to get approval from the FDOT District Landscape Architect.

5. Ownership of all suitable excavated materials, as determined by the Department, shall remain in the Department until a final acceptance of the permitted project is fulfilled. Excavated materials shall be hauled by the Permittee, at their cost & expense from the site to the FDOT Broward Operations Center or stockpiled in those areas as directed by the Department, including asphalt millings.

FDOT PLANTING NOTES

1. For the portion of landscape plant material that will be installed within the FDOT Right of Way, landscape installation shall comply with current applicable FDOT Maintenance Specification 580. Online Reference: ssm5800000wd-722-l17992.pdf (windows.net)

2. For the portion of landscape plant material that will be installed within the FDOT Right of Way refer to the FDOT Standard Plans Index 580-001 Landscape Installation.
Online Reference:
https://fdotwww.blob.core.windows.net/sitefinity/docs/default-source/design/standardplans/2023/580/580-001.pdf

3. Cypress Mulch is not permitted on FDOT right of way. Mulch permitted to be used are Hardwood Mulch (containing no Cypress products), Recycled Mulch or approved equal, certified by the Mulch and Soil Council (MSC). Submit proof of certification to the FDOT District Operations Permit Landscape Inspector upon inspection.

4. Sodded areas will be in accordance with Standard Plans Index 570-010 and Standard Specifications Sections 162, 570, 981, 982, 983, 997 of the Department's latest edition of Governing Design Standards and Standard Specifications. All disturbed areas will be sodded within one (1) week of installation of said permitted work.

FDOT IRRIGATION NOTES

1. The irrigation system shall use the lowest quality water available which adequately and safely meets the water needs of the system. Storm water, reclaim water, or grey water irrigation shall be used whenever possible.

2. FDOT requires 24-hour emergency access to the water source.

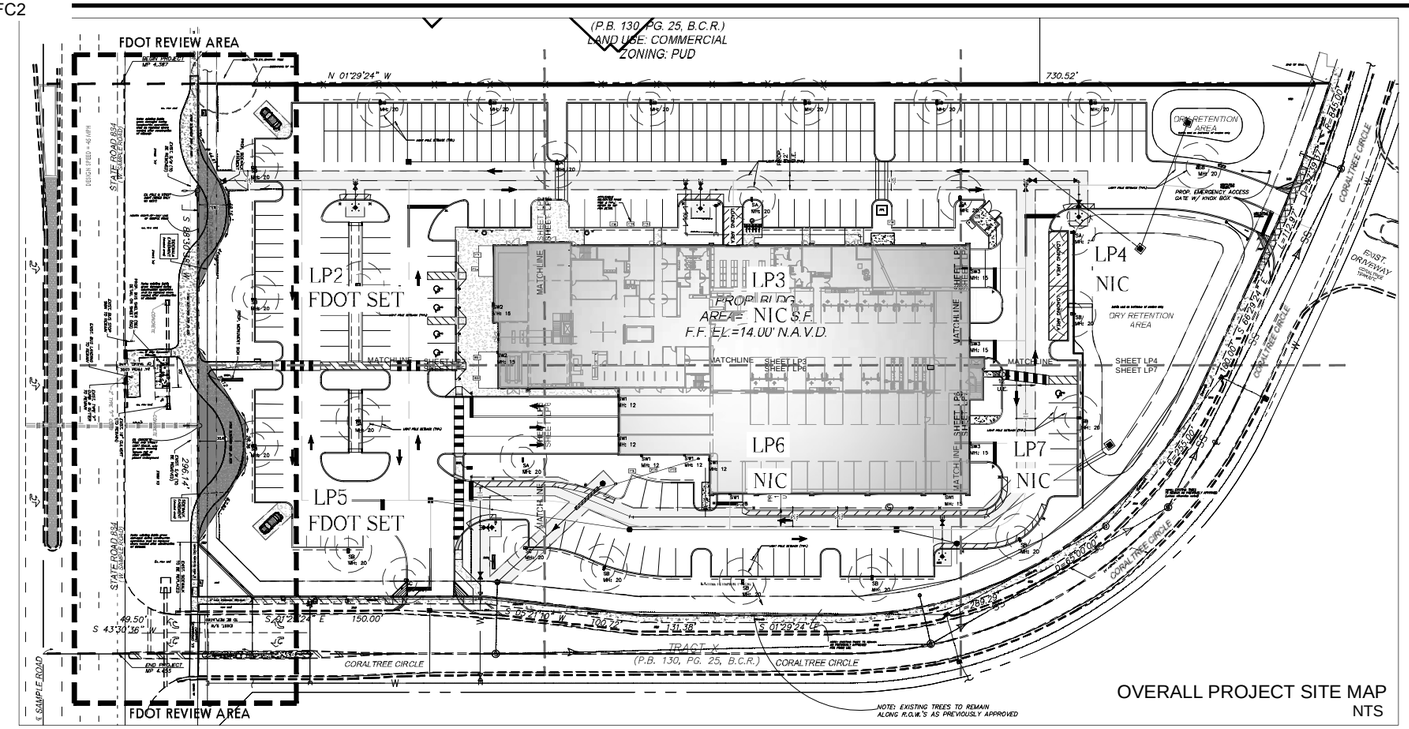
3. The contractor shall provide FDOT District Operations Manager with a set of "As-Built" irrigation plans.

NOTE TO CONTRACTOR:

LANDSCAPE INSTALLATION METHODS SHALL MEET OR EXCEED FDOT STANDARD PLANS INDEX 580-001 LANDSCAPE INSTALLATION FOR ALL PLANT MATERIAL INSTALLED WITHIN THE FDOT RIGHT OF WAY.

https://fdotwww.blob.core.windows.net/sitefinity/docs/default-source/programmanagement/maintenance/jul22/ssm5800000wd-722-l17992.pdf?sfvrsn=1abf91a1_2

FDOT STANDARD INDEX 580 IS NOT SHOWN BELOW OR REFERENCE PURPOSES & SHALL APPLY FOR ANY & ALL WORK PERFORMED WITHIN FDOT ROW / EASEMENTS



OVERALL PROJECT SITE MAP
NTS

LOCATION MAP
NTS

SHEET INDEX - FDOT PERMIT ONLY

COVER
OVERALL LANDSCAPE PLAN ____ LP1
LANDSCAPE PLAN ____ LP2
LANDSCAPE PLAN ____ LP5
LANDSCAPE DETAILS & SPECIFICATIONS ____ LP8
OVERALL IRRIGATION PLAN ____ IR-1
IRRIGATION PLAN ____ IR-2
IRRIGATION PLAN ____ IR-5
IRRIGATION DETAILS & SPECIFICATIONS ____ IR-8

TO BE CONTACTED PRIOR TO ANY TYPE OF EXCAVATION WORK

811 SUNSHINE STATE ONE-CALL OF FLORIDA, INC. — KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG — It's fast. It's free. It's the law — www.callsunshine.com

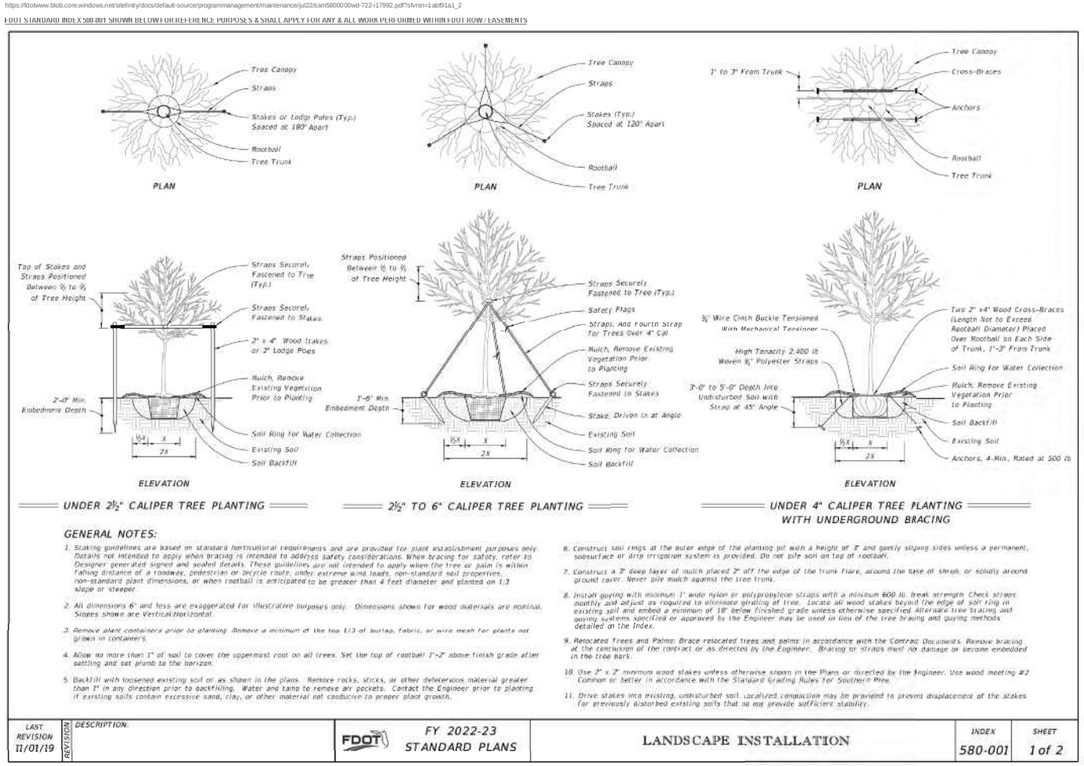
LIST OF NON-STANDARD FDOT COMPONENTS

The following landscape & irrigation items are proposed within the FDOT Sidewalk Easement: (designated & labeled in gray shaded areas along the proposed 12' wide concrete sidewalk)

1. shrubs
2. groundcover
3. root barrier
4. irrigation heads & lateral lines

Refer to applicable LP & IR sheets for specific information of each non-standard item.

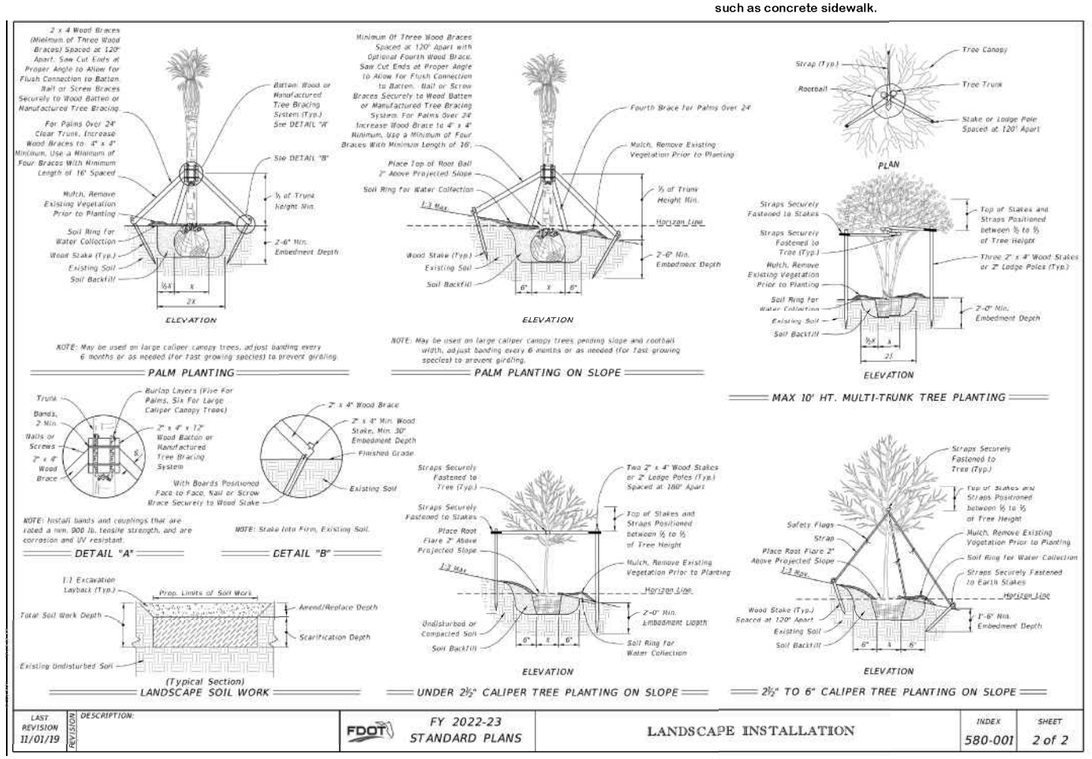
NOTE: Refer to Civil Engineering plans for Hardscape items such as concrete sidewalk.



GENERAL NOTES:

1. Staking guidelines are based on standard horticultural requirements and are provided for plant establishment purposes only. Details not intended to apply when bracing is intended to address safety considerations. When bracing for safety, refer to Designer generated signed and sealed details. These guidelines are not intended to apply when the tree or palm is within falling distance of a roadway, pedestrian or bicycle route, under extreme wind loads, non-standard soil properties, non-standard plant dimensions, or when rootball is anticipated to be greater than 4 feet diameter and planted on 1:3 slope or steeper.
2. All dimensions 6" and less are exaggerated for illustrative purposes only. Dimensions shown for wood materials are nominal. Slopes shown are Vertical:Horizontal.
3. Remove plant containers prior to planting. Remove a minimum of the top 1/3 of burlap, fabric, or wire mesh for plants not grown in containers.
4. Allow no more than 1" of soil to cover the uppermost root on all trees. Set the top of rootball 1"-2" above finish grade after settling and set plumb to the horizon.
5. Backfill with loosened existing soil or as shown in the plans. Remove rocks, sticks, or other deleterious material greater than 1" in any direction prior to backfilling. Water and tamp to remove air pockets. Contact the Engineer prior to planting if existing soils contain excessive sand, clay, or other material not conducive to proper plant growth.
6. Construct soil rings at the outer edge of the planting pit with a height of 3" and gently sloping sides unless a permanent, subsurface or drip irrigation system is provided. Do not pile soil on top of rootball.
7. Construct a 3" deep layer of mulch placed 2" off the edge of the trunk flare, around the base of shrub, or solidly around ground cover. Never pile mulch against the tree trunk.
8. Install guying with minimum 1" wide nylon or polypropylene straps with a minimum 600 lb. break strength. Check straps monthly and adjust as required to eliminate girdling of tree. Locate all wood stakes beyond the edge of soil ring in existing soil and embed a minimum of 18" below finished grade unless otherwise specified. Alternate tree bracing and guying systems specified or approved by the Engineer may be used in lieu of the tree bracing and guying methods detailed on the Index.
9. Relocated Trees and Palms: Brace relocated trees and palms in accordance with the Contract Documents. Remove bracing at the conclusion of the contract or as directed by the Engineer. Bracing or straps must not damage or become embedded in the tree bark.
10. Use 2" x 2" minimum wood stakes unless otherwise shown in the Plans or directed by the Engineer. Use wood meeting #2 Common or better in accordance with the Standard Grading Rules for Southern Pine.
11. Drive stakes into existing, undisturbed soil. Localized compaction may be provided to prevent displacement of the stakes for previously disturbed existing soils that do not provide sufficient stability.

LAST REVISION 11/01/19	REVISION	DESCRIPTION:	FDOT FY 2022-23 STANDARD PLANS	LANDSCAPE INSTALLATION	INDEX 580-001	SHEET 1 of 2



LAST REVISION 11/01/19	REVISION	DESCRIPTION:	FDOT FY 2022-23 STANDARD PLANS	LANDSCAPE INSTALLATION	INDEX 580-001	SHEET 2 of 2

DESIGN SPEED = 45 MPH
FDOT LANDSCAPE PERMIT # 2024-L-491-00007

COVER

FDOT LANDSCAPE & IRRIGATION COVER SHEET

FDOT SET : COVER, LP1, LP2, LP5 & LP8 AND IR-1, IR-2, IR-5 & IR-8 ONLY

REVISION		DATE
1	FDOT comments (added cover sheet)	4/17/24
2	COA comments	5/16/24

Lynn M Bender — Digitally signed by Lynn M Bender Date: 2024.05.16 19:38:47 -04'00'

LBLA, Inc.
Landscape Architecture
5610 Adair Way
Lake Worth, FL 33467
Phone: 561-644-3237
LbenderLarch@gmail.com
FL-LA6666715

ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE LANDSCAPE ARCHITECT MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS IN PART OR WHOLE IS FORBIDDEN WITHOUT THE LANDSCAPE ARCHITECTS WRITTEN PERMISSION.

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS AND NOTIFY LA, ARCHITECT &/OR ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

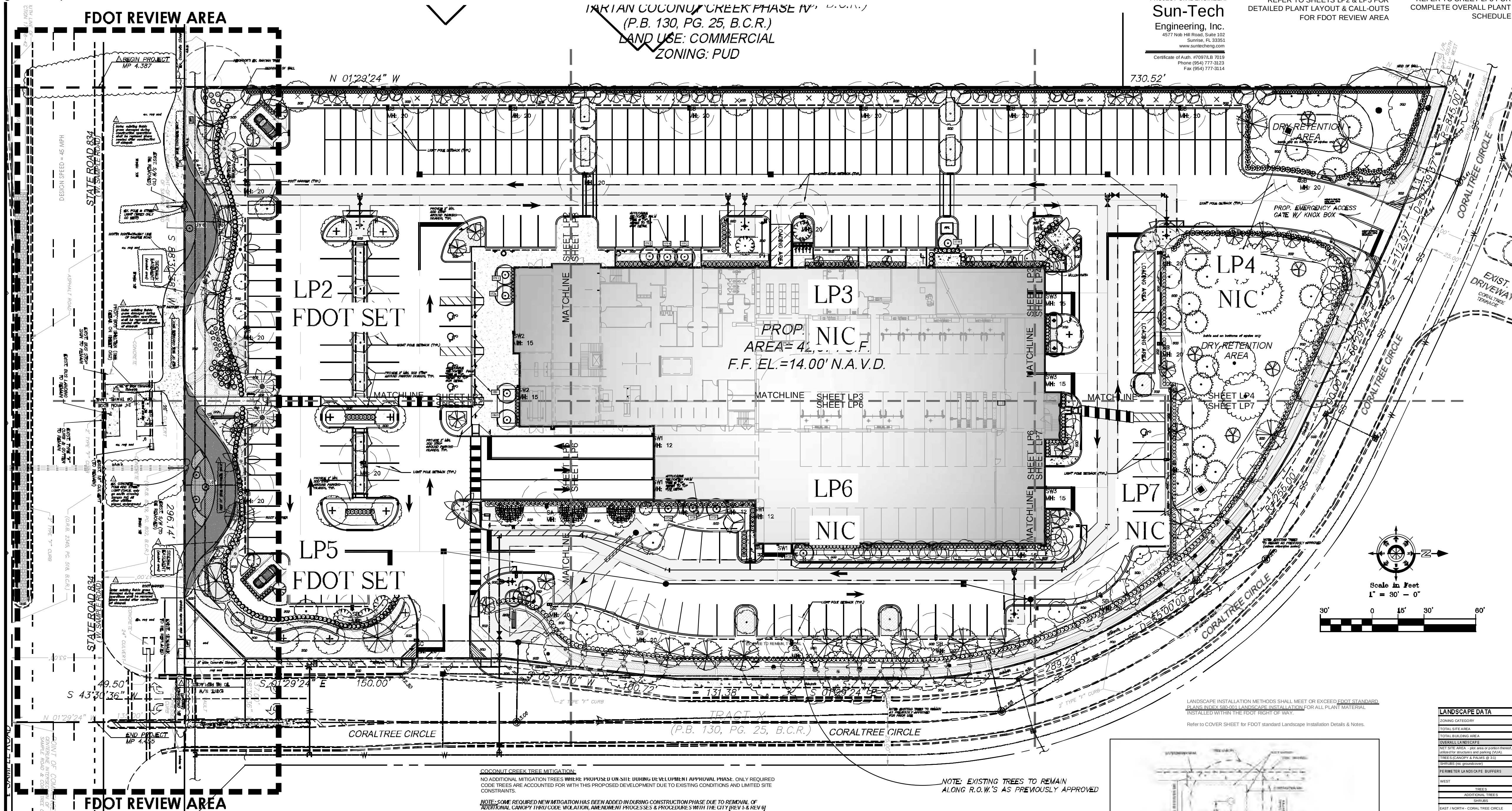
COCONUT CREEK MAZDA
3757 CORAL TREE CIRCLE
COCONUT CREEK, FLORIDA 33073
FDOT - SR 834 & SIDEWALK EASEMENT
COVER SHEET & APPLICABLE PERMIT REQUIREMENTS

LYNN M BENDER — REGISTERED LANDSCAPE ARCHITECT — LA6666715 — STATE OF FLORIDA — 5/6/24

PROJECT NO. 20-569	CADD I.D. MAZDA LP
DRAWN BY : LMB	
CHECKED BY : LMB	
SCALE : N/A	
DATE : 04-17-2024	

SHEET :
COVER

Docusign Envelope ID: 016F9749-4BF3-4EF1-908C-24D56AFB1FC2



REFER TO SHEETS LP2 & LP5 FOR DETAILED PLANT LAYOUT & CALL-OUTS FOR FDOT REVIEW AREA

REFER TO SHEET LP8 FOR COMPLETE OVERALL PLANT SCHEDULE

PROJECT CIVIL ENGINEER:
Sun-Tech Engineering, Inc.
4577 Nob Hill Road, Suite 102
Sunrise, FL 33351
www.suntecheng.com
Certificate of Auth. #7097/LB 7019
Phone (954) 777-3123
Fax (954) 777-3114

code-MIT = mitigation
code-E = existing
code-T = transplanted

TREE & PALM LEGEND

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME
A- SHADE TREE			
	AR	4	Acer rubrum Red Maple
	AR-E	2	Acer rubrum Red Maple
	BS	4	Bursera simaruba Gumbo Limbo
	CE	18	Conocarpus erectus Buttonwood
	FA-MIT	1	Ficus aurea Strangler Fig
	FB-E	1	Ficus benghalensis Indian Banyan
	QL-E	13	Quercus laurifolia Laurel Oak
	QV	31	Quercus virginiana Southern Live Oak
	QV-MIT	19	Quercus virginiana Southern Live Oak
	QV-E	15	Quercus virginiana Southern Live Oak
	TA-MIT	6	Taxodium ascendens Pond Cypress
	TD	12	Taxodium distichum Bald Cypress
	TD-E	3	Taxodium distichum Bald Cypress
B - INTERMEDIATE			
	CO10	25	Chrysophyllum oliviforme Satinleaf
	CR	6	Clusia rosea Autograph Tree
	CD	9	Coccoloba diversifolia Pigeon Plum
	CS10	6	Cordia sebestena Orange Geiger Tree
	ED	9	Elaeocarpus decipiens Japanese Blueberry Tree
	LS	9	Lagerstroemia speciosa Queen`s Crape Myrtle
C - SMALL TREE			
	CES	1	Conocarpus erectus `Sericeus` Silver Buttonwood
	EF	13	Eugenia foetida Spanish Stopper
	JAT	9	Jatropha integerrima Spicy Jatropha
	LI	6	Lagerstroemia x `Muskogee` Crape Myrtle
	MF	4	Myrcianthes fragrans Simpson's Stopper
D - PALMS			
	PD	2	Phoenix dactylifera `Medjool` Date Palm
	PHO-T	1	Phoenix roebelenii Pygmy Date Palm
	RE	6	Roystonea elata Florida Royal Palm
	SP-MIT	5	Sabal palmetto Cabbage Palmetto
	SP	30	Sabal palmetto Cabbage Palmetto
	SP-T	5	Sabal palmetto Cabbage Palmetto
	VM-T	12	Veitchia merrillii Christmas Palm

LANDSCAPE INSTALLATION METHODS SHALL MEET OR EXCEED FDOT STANDARD PLANS INDEX 580-001 LANDSCAPE INSTALLATION FOR ALL PLANT MATERIAL INSTALLED WITHIN THE FDOT RIGHT OF WAY.

Refer to COVER SHEET for FDOT standard Landscape Installation Details & Notes.

LANDSCAPE DATA

LANDSCAPE DATA	PER SECTION 13-443	REQUIRED	PROVIDED
ZONING CATEGORY	C-2 (Commercial)		
TOTAL SITE AREA	217,801 sf (5.00 acres)		
TOTAL BUILDING AREA	42,374 sf		
OVERALL LANDSCAPE			
NET SITE AREA - plot area or portion thereof, not utilized for structures and parking (VUA).	Minimum 20% of net site area		77,912 sf (35.77%)
TREES (CANOPY & PALMS @ 3:1)	1 TREE PER 1000 SF	78 TREES	115 TREES
SHRUBS (nic groundcover)	5 SHRUBS PER 1000 SF	390 SHRUBS	> 390 + SHRUBS
PERIMETER LANDSCAPE BUFFERS			
WEST	730 LF (adj to ex. residential)		
TREES	1 TREE PER 40 LF	18 TREES	18 TREES
ADDITIONAL TREES	3 TREES PER 100 LF	22 TREES	22 TREES
SHRUBS	CONTINUOUS HEDGE		PROVIDED (SEE LP1)
EAST / NORTH - CORAL TREE CIRCLE	* refer to R.O.W. Buffer Detail Graphic for Breakdown of areas		
ROADWAY LANDSCAPE BUFFER 20' & 15' wide portions (based on row width)*	Trees are required : 1 per 2000 SF *	8 TREES	8 TREES
HEDGES, SHRUBS & GROUNDCOVERS 800 LF NIC DRIVEWAYS & 12,800 SF	CONTINUOUS HEDGE PLUS 40 SHRUBS PER 2000 SF PLUS GROUNDCOVER PROVIDING MINIMUM OF 3 TIERS	320 HEDGES 256 SHRUBS & 542 GROUNDCOVERS	325 HEDGES 752 SHRUBS & 930 GROUNDCOVERS
SOUTH - SAMPLE ROAD	* refer to R.O.W. Buffer Detail Graphic for Breakdown of areas		
ROADWAY LANDSCAPE BUFFER 35' wide (based on row width) o.h.w. present on portion of buffer*	Trees are required @ 1 per 2000 SF and 1 per 1000 SF if overhead wires were the O.H.W. are present *	8 TREES	8 TREES
HEDGES, SHRUBS & GROUNDCOVERS 312 LF & 10,950 SF	CONTINUOUS HEDGE PLUS 40 SHRUBS PER 2000 SF PLUS GROUNDCOVER PROVIDING MINIMUM OF 3 TIERS	125 HEDGES 220 SHRUBS & 208 GROUNDCOVERS	125 HEDGES 609 SHRUBS & 700+ GROUNDCOVERS
PARKING LANDSCAPE			
TOTAL # of SPACES	230 SPACES (outside lot including inventory spaces)		
TREES	1 TREE PER 10 SPACES	23 TREES	23 TREES
OTHER VUA LANDSCAPE	**97,540 LESS 6900 = 90,640 / 100		
LANDSCAPE AREA (**refer to site plan for additional calculations)	1 SF OF LANDSCAPE AREA PER 100 SF OF PAVED AREA	906 SF	>1000 SF
DIVIDER MEDIANS (130 L.F.)	1 TREE PER 40 LF	3 TREES	4 TREES
FOUNDATION LANDSCAPE			
PROPOSED BUILDING TOTAL PERIMETER	961 LF (8,630 sf provided - refer to site plan for detail)		
	1 TREE PER 40 LF	24 TREES	24 TREES
	20 SHRUBS PER 40 LF	480 SHRUBS	> 480 + SHRUBS
	30 GROUNDCOVER PER 40 LF	720 GC	> 720 + GC
STREET TREES	* refer to R.O.W. Buffer Detail Graphic for Breakdown of areas		
CORAL TREE CIRCLE (814 L.F. of frontage, NIC driveways)	Street Trees are required 1 per 40 LF	20 TREES	20 TREES
SAMPLE ROAD (68 L.F. of frontage with O.H.W & approx. 244 L.F. of frontage without O.H.W.)	Street Trees are required 1 per 40 LF and 1 per 30 LF were overhead wires are present *	9 TREES	9 TREES
TOTAL REQUIRED TREES		213 TREES	226 TREES & 60 PALMS* (includes existing, relocated, proposed code & addt. on-site mitigation)
	40 % MIN shade / canopy	86 TREES MIN	103 EX / CODE TREES & 26 MITIGATION TREES
(refer to plant schedule for qty & % breakdowns of	30% MIN intermediate	64 TREES MIN	64 TREES
tree size categories.)	10% MAX small	22 TREES MAX	16 CODE TREES & 17 MITIGATION TREES
	50% MAX palms	107 PALMS MAX	*8 @ 1:1 & 52 @ 3:1 = 17 = 25 tree credits
NATIVE TREES	50% MIN of 226 total trees provided	113 min native	194 provided (86 %)
NATIVE PALMS	50% MIN of 60 provided	30 min native	46 provided (77 %)
NATIVE SHRUBS (excluding groundcovers)	50% MIN of 5322 provided	2661 min native	2661 provided (50 %)
DIVERSIFICATION (refer to sheet LP-8 for clarification of specific plant ID in plant schedule)	NO MORE THAN 25% OF ANY ONE SPECIES CAN BE USED	25% MAX	YES @ < 25%
	for trees & palms greatest amount used = 65 total live oaks (ex & proposed) of the 286 total trees & palm on-site		greatest % = 23% Live oaks
	for shrubs & groundscovers greatest amount used = 1071 Liriope of the 7425 total shrubs & groundcovers proposed		greatest % = 14 % liriope

IRRIGATION NOTE: (Water source - EXISTING TO BE MODIFIED)

An automatic properly functioning underground irrigation system with a rain sensing cutoff device shall be in compliance with the South Florida Building Code and city Building Code requirements. The rain sensing cutoff device shall be located and installed in such a manner that the building eaves, balconies and similar overhangs do not interfere with the operation of the device. The irrigation system shall be rust free & properly maintained in good working order and provide a minimum coverage of 100% with 50% overlap.

Adequate irrigation of all newly proposed landscaped areas shall be provided for the first full growing season and continue thereafter only as necessary to maintain required vegetation in good and healthy condition. Irrigation systems shall conform to following standards:

a. Irrigation systems shall be continuously maintained in working order and shall be designed so not to overlap water zones or to water impervious areas.

b. No irrigation system shall be installed or maintained abutting any public street which causes water from the system to spurt onto the roadway or to strike passing vehicular traffic.

NOTE: ALL TREES SHALL HAVE BUBBLERS

UTILITIES CONFLICT NOTE:

Landscape, Lighting & Irrigation shall not conflict with and shall maintain a minimum of 6 feet (10 feet preferred) separation from existing and proposed water, wastewater, and drainage.

Trees shall not be placed on the bottom of retention areas and swales centerlines.

TO BE CONTACTED PRIOR TO ANY TYPE OF EXCAVATION WORK

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
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CITY OF COCONUT CREEK
STANDARD LANDSCAPE NOTES

1. All landscape and specifications shall meet or exceed the minimum requirements as provided in the City of Coconut Creek Land Development Code. Plans are incomplete without written notes and specifications.
2. All planting material shall meet or exceed Florida Grade #1 as specified in Grades and Standards for Nursery Plants, current edition. Trees shall not be tipped, topped, or shaped prior to installation.
3. Landscape shall be placed to edge of abutting streets, canals, lakes or other lands.
4. All mechanical equipment, air conditioning, irrigation pump stations and equipment, FPL transformers, pool pumps, etc., must be screened on three (3) sides by landscape shrubs.
   NOTE: The quantity of screening shrubs is in addition to the required number of shrubs as provided in the code calculation table. All screening shrubs shall be planted for proper operation of equipment being screened and/or per the requirements of the utility as necessary. All hedge material required for screening purposes shall be planted with branches touching. Adjust on-center spacing as necessary and/or provide additional plants to provide an adequate screen.
5. Sight distance concerns must be maintained for clear sight visibility from thirty (30) inches to seventy-two inches, tree trunks excluded. Measurement shall be made from top of root ball planted at proper elevation.
6. Guying/staking practices shall not permit nails, screws, wires, etc., to penetrate outer surfaces of trees, palms or other plant material. Trees, palms and plant material rejected due to this practice shall be replaced with the inspector on site.
7. Burlap material, wire cages, plastic/canvas straps, etc., must be cut and removed for the top one-half (1/2) depth of the root ball. Trees and shrubs grown in grow bags or grow bag type material must have such material REMOVED ENTIRELY prior to planting the tree or shrub.
8. All plant material shall be free of pests, insects, disease, weeds, etc.
9. All required landscape material shall be installed using a planting soil mix comprised of a type appropriate to the individual proposed plant material and the native soil found on the site.
10. All plant material shall be planted at the proper depth, as originally grown and/or so the top of the root ball is flush or slightly above finished grade immediately after planting. All trees should provide trunk taper when properly planted at the correct planting depth.
11. All plant material shall be watered in at time of planting to eliminate air pockets in the root zone area.
12. Upon completion of work, the site shall be cleared of all debris, superfluous materials, and equipment caused by this permit to the satisfaction of the inspector.
13. Refer to Coconut Creek Fire Equipment Clear Zone diagram to maintain a safe zone fronting fire hydrants.
14. Do not plant trees, shrubs or groundcover within Electric Meter Clear Zone. Provide a safe zone as described by the Electrical Inspector.
15. All landscaped areas shall be provided with an underground fully automatic irrigation system using pop-up sprinklers. System shall provide 100% coverage with 50% overlap (minimum) using rust free water, except preserved areas remaining in natural state. A rain sensor device or switch shall be installed that will override the irrigation system when adequate rainfall has occurred. Water shall not be directed and/or provided onto impervious surfaces and/or be designed or installed to throw water over an impervious surface such as a sidewalk, etc. Hours of operation for all irrigation systems shall be limited to 5:00 p.m. to 8:00 a.m. only or as may be further restricted by South Florida Water Management District or other jurisdictional agency.
16. Irrigation permits and plans shall be submitted for approval at time of building permits.
17. All non-single family or duplex irrigation systems other than City water systems shall require a South Florida Water Management District water use permit prior to issuance of an irrigation permit and installation of the irrigation system as required.
18. All site amenities to include site street lights, landscape common open space, irrigation common open space, buffers, berms, landscape entry features, etc. leading up to and including the model center and/or first certificate of occupancy must be completed and functional prior to issuance of the first requested certificate of occupancy.
19. The height of all required, designed and installed berms shall be from the highest adjacent point whether it is the sidewalk, parking area, vehicular use area, surrounding ground, etc. Where a berm abuts a sidewalk, there shall be a one (1) foot level sod area adjacent to the sidewalk prior to the start of incline for the berm.
20. An inspection is required prior to the backfilling of trees/palms in all parking medians and islands.

NOTE: THIS COMMENT SHEET IS TO BE PLACED ON ALL LANDSCAPE PLANS "AS IS".

COCONUT CREEK TREE MITIGATION:

NO ADDITIONAL MITIGATION TREES WHERE PROPOSED ON-SITE DURING DEVELOPMENT APPROVAL PHASE. ONLY REQUIRED CODE TREES ARE ACCOUNTED FOR WITH THIS PROPOSED DEVELOPMENT DUE TO EXISTING CONDITIONS AND LIMITED SITE CONSTRAINTS.

***NOTE:** SOME REQUIRED NEW MITIGATION HAS BEEN ADDED IN DURING CONSTRUCTION PHASE DUE TO REMOVAL OF ADDITIONAL CANOPY THRU CODE VIOLATION, AMENDMENT PROCESSES & PROCEDURES WITH THE CITY [REV 5 & REV 6]*

REFER TO TREE DISPOSITION CHART AND ATTACHED ARBORISTS REPORT FOR MITIGATION TOTALS AND VALUATIONS.

FINAL MITIGATION AMOUNTS SHALL BE DETERMINED BY CITY.

GREEN CITY PLAN - TREE CANOPY ACHIEVED

PROJECT AREA = 217,801 SF

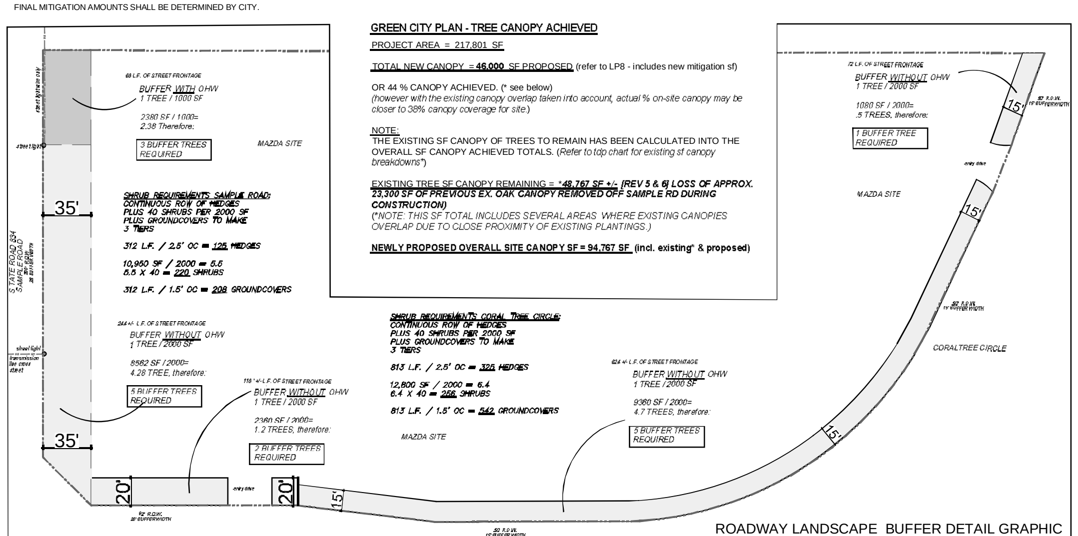
TOTAL NEW CANOPY = **46,000** SF PROPOSED (refer to LP8 - includes new mitigation sf)

OR 44 % CANOPY ACHIEVED. (* see below)
(however with the existing canopy overlap taken into account, actual % on-site canopy may be closer to 38% canopy coverage for site.)

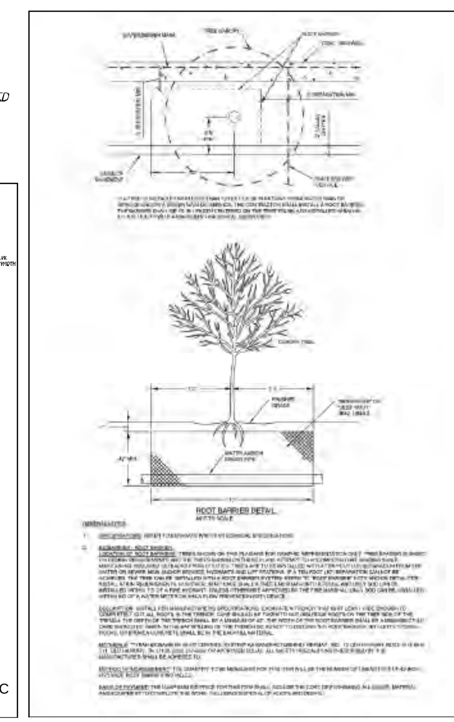
NOTE:
THE EXISTING SF CANOPY OF TREES TO REMAIN HAS BEEN CALCULATED INTO THE OVERALL SF CANOPY ACHIEVED TOTALS. (*Refer to tdp chart for existing sf canopy breakdowns**)

EXISTING TREE SF CANOPY REMAINING = ***48,767 SF +/- [REV 5 & 6] LOSS OF APPROX. 23,300 SF OF PREVIOUS EX. OAK CANOPY REMOVED OFF SAMPLE RD DURING CONSTRUCTION)***
*(*NOTE: THIS SF TOTAL INCLUDES SEVERAL AREAS WHERE EXISTING CANOPIES OVERLAP DUE TO CLOSE PROXIMITY OF EXISTING PLANTINGS.)*

NEWLY PROPOSED OVERALL SITE CANOPY SF = 94,767 SF (incl. existing* & proposed)



ROADWAY LANDSCAPE BUFFER DETAIL GRAPHIC
NTS



FDOT LANDSCAPE PERMIT # 2024-L-491-00007

REVISION		DATE
1	FDOT COMMENTS	4/17/24
2	COA comments	5/16/24

Lynn M Bender — Digitally signed by Lynn M Bender Date: 2024.05.16 19:43:07 -04'00'

LBLA, Inc.
Landscape Architecture
5610 Adair Way
Lake Worth, FL 33467
Phone: 561-644-3237
LbenderLarch@gmail.com
FL-LA6666715

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CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS AND NOTIFY LA, ARCHITECT &/OR ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

COCONUT CREEK MAZDA
3757 CORAL TREE CIRCLE
COCONUT CREEK, FLORIDA 33073
FDOT - SR 834 & SIDEWALK EASEMENT OVERALL LANDSCAPE PLAN

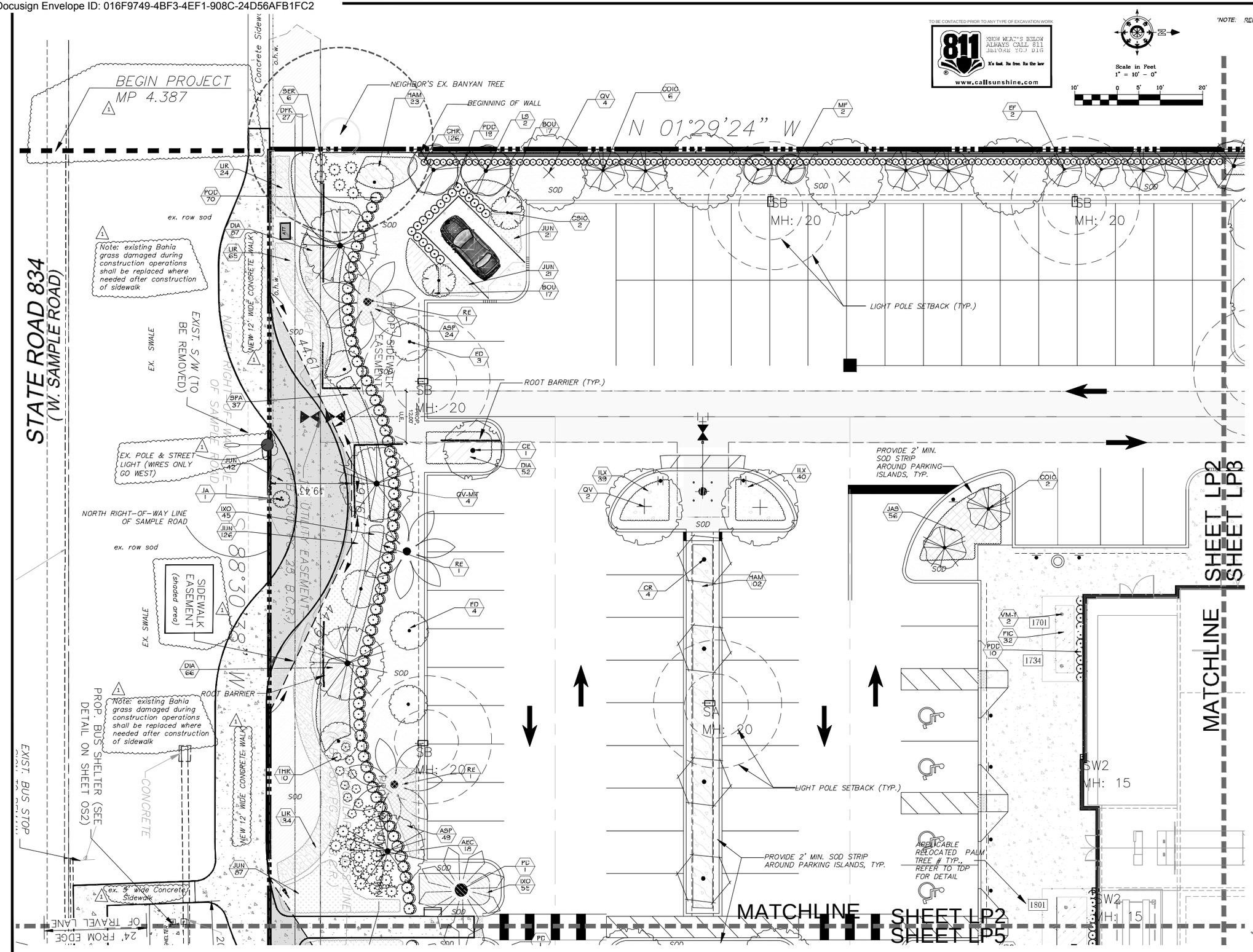
LYNN M. BENDER — REGISTERED LANDSCAPE ARCHITECT — LA6666715 — STATE OF FLORIDA — 5/16/24 — Seal

PROJECT NO. 20-569	CADD I.D. MAZDA LP
DRAWN BY : LMB	
CHECKED BY : LMB	
SCALE : 1" = 30'-0"	
DATE : 04-15-2024	
SHEET : LP1	

LP1 1"=30'-0" OVERALL LANDSCAPE PLAN - KEY FOR FDOT SR. 834 ONLY

FDOT SET : COVER, LP1, LP2, LP5, & LP8 ONLY

Docusign Envelope ID: 016F9749-4BF3-4EF1-908C-24D56AFB1FC2



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Scale in Feet
1" = 10' – 0"
10' 0 5' 10' 20'

*NOTE: REFER TO LP8 FOR COMPLETE OVERALL PLANT SCHEDULE

code-MIT = mitigation
code-E = existing
code-T = transplanted

PLANT LEGEND OVERALL

CODE	QTY	BOTANICAL / COMMON NAME
A- SHADE TREE		
AR	4	Acer rubrum Red Maple
AR-E	2	Acer rubrum Red Maple
BS	4	Bursera simaruba Gumbo Limbo
CE	18	Conocarpus erectus Buttonwood
FA-MIT	1	Ficus aurea Strangler Fig
FB-E	1	Ficus benghalensis Indian Banyan
QL-E	13	Quercus laurifolia Laurel Oak
QV	31	Quercus virginiana Southern Live Oak
QV-MIT	19	Quercus virginiana Southern Live Oak
QV-E	15	Quercus virginiana Southern Live Oak
TA-MIT	6	Taxodium ascendens Pond Cypress
TD	12	Taxodium distichum Bald Cypress
TD-E	3	Taxodium distichum Bald Cypress
B - INTERMEDIATE		
CO10	25	Chrysophyllum oliviforme Satinleaf
CR	6	Clusia rosea Autograph Tree
CD	9	Coccoloba diversifolia Pigeon Plum
CS10	6	Cordia sebestena Orange Geiger Tree
ED	9	Elaeocarpus decipiens Japanese Blueberry Tree
LS	9	Lagerstroemia speciosa Queen 's Crape Myrtle
C - SMALL TREE		
CES	1	Conocarpus erectus `Sericeus` Silver Buttonwood
EF	13	Eugenia foetida Spanish Stopper
JAT	9	Jatropha integerrima Spicy Jatropha
LI	6	Lagerstroemia x `Muskogee` Crape Myrtle
MF	4	Myrcianthes fragrans Simpson's Stopper
D - PALMS		
PD	2	Phoenix dactylifera `Medjool` Date Palm
PHO-T	1	Phoenix roebelenii Pygmy Date Palm
RE	6	Roystonea elata Florida Royal Palm
SP-MIT	5	Sabal palmetto Cabbage Palmetto
SP	30	Sabal palmetto Cabbage Palmetto
SP-T	5	Sabal palmetto Cabbage Palmetto
VM-T	12	Veitchia merrillii Christmas Palm
SHRUBS		
AEC	23	Aechmea blanchetiana `Orangeade` Orangeade Bromeliad
CHR	423	Chrysobalanus icaco `Red Tip` Red Tip Cocoplum
CLU	253	Clusia guttifera Small Leaf Clusia
CLU6	86	Clusia guttifera Small Leaf Clusia
CON	90	Conocarpus erectus Buttonwood
COR	14	Cordyline terminalis `Auntie Lou` Auntie Lou Ti Plant
JA	4	Jatropha integerrima Spicy Jatropha
MYR	152	Myrcianthes fragrans Simpson's Stopper
PRC	51	Philodendron x `Rojo Congo` Rojo Congo Philodendron
POD	188	Podocarpus macrophyllus Podocarpus
PDD	60	Podocarpus macrophyllus `Dwarf Pringles` Dwarf Podocarpus
PSY	53	Psychotria nervosa Wild Coffee
SER	6	Serenoa repens Saw Palmetto
THR	80	Thryallis glauca Thryallis
SHRUB AREAS		
BOU	78	Bougainvillea x `Raspberry Ice` Bougainvillea bush
DIA	205	Dianella tasmanica Flax Lily
FIC	424	Ficus microcarpa `Green Island` Green Island Ficus
HAM	337	Hamelia patens Firebush
ILX	570	Ilex vomitoria `Schillings Dwarf` Dwarf Schillings Holly `Hedge`
IXO	347	Ixora taiwanensis Dwf Ixora Petite Red
JAS	305	Jasminum multiflorum Downey Jasmine
MUH	162	Muhlenbergia capillaris Pink Muhly Grass
NEP	171	Nephrolepis exaltata Boston Fern
PHX	92	Philodendron xanadu Xanadu Philodendron
RHA	128	Rhaphiolepis indica `Alba` White Indian Hawthorn
TRI	183	Schefflera arboricola `Trinette` Schefflera trinette
SPA	160	Spartina bakeri Sand Cord Grass
DFK	302	Tripacum dactyloides Dwarf Fakahatchee
ZAM	235	Zamia floridana FI.Coontie
GROUND COVERS		
ASP	396	Asparagus densiflorus `Myers` Myers Asparagus Fern
JUN	664	Juniperus horizontalis Creeping Juniper
LIR	1,071	Liriope muscari `Evergreen Giant` Evergreen Giant Border Grass
TURF		
SOD-B	8,081 sf	Paspalum notatum Bahia Grass
SOD	33,640 sf	Stenotaphrum secundatum `Floritam` Floritam St. Augustine Sod

*NOTE: ALL SOD TO BE ST. AUGUSTINE, EXCEPT FOR BOTTOM OF DRY RETENTION PONDS WHICH SHALL BE BAHIA SOD. FINAL QUANTITIES SHALL BE DETERMINED AT TIME OF PERMITTING & VERIFIED IN THE FIELD BY INSTALLER.

REVISION		DATE
1	FDOT comments	4/17/24
2	COA comments	5/16/24

Lynn M Bender — Digitally signed by Lynn M Bender Date: 2024.05.16 19:44:42 -04'00'

LBLA, Inc.
Landscape Architecture
5610 Adair Way
Lake Worth, FL 33467
Phone: 561-644-3237
LbenderLarch@gmail.com
FL-LA6666715

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COCONUT CREEK MAZDA
3757 CORAL TREE CIRCLE
COCONUT CREEK, FLORIDA 33073
FDOT - SR 834 & SIDEWALK EASEMENT
LANDSCAPE PLAN

REGISTERED LANDSCAPE ARCHITECT LYNN M. BENDER FLORIDA 5/16/24

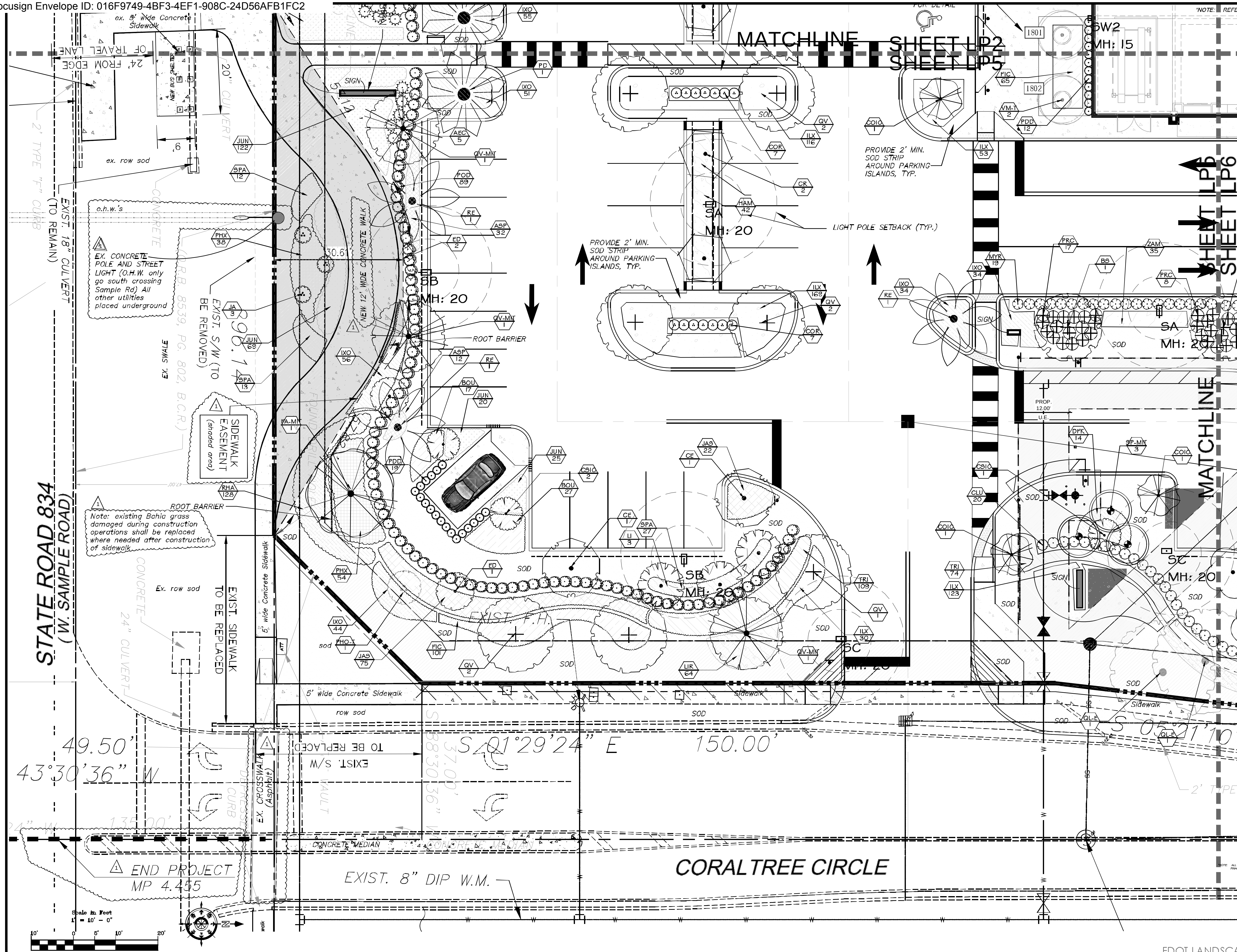
PROJECT NO.	20-569
CADD I.D.	MAZDA LP
DRAWN BY :	LMB
CHECKED BY :	LMB
SCALE :	1" = 10'-0"
DATE :	04-20-2021
SHEET :	LP2

FDOT LANDSCAPE PERMIT # 2024-L-491-00007

LP2 1"=10'-0" LANDSCAPE PLAN : FOR FDOT S.R. 834 ONLY

FDOT SET : COVER, LP1, LP2, LP5 & LP8 ONLY

Docusign Envelope ID: 016F9749-4BF3-4EF1-908C-24D56AFB1FC2



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REVISION		DATE
1	FDOT comments	4/17/24
2	COA comments	5/16/24

Lynn M Bender — Digitally signed by Lynn M Bender Date: 2024.05.16 19:45:02 -04'00'

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COCONUT CREEK MAZDA
3757 CORAL TREE CIRCLE
COCONUT CREEK, FLORIDA 33073
FDOT - SR 834 & SIDEWALK EASEMENT
LANDSCAPE PLAN

LYNN M. BENDER, REGISTERED LANDSCAPE ARCHITECT, STATE OF FLORIDA (seal)

PROJECT NO.: 20-569 | CADD I.D.: MAZDA LP
DRAWN BY: LMB
CHECKED BY: LMB
SCALE: 1" = 10'-0"
DATE: 04-20-2021
SHEET: LP5

FDOT LANDSCAPE PERMIT # 2024-L-491-00007

LP5 1"=10'-0" LANDSCAPE PLAN : FOR FDOT S.R. 834 ONLY

FDOT SET : COVER, LP1, LP2, LP5 & LP8 ONLY

Docusign Envelope ID: 016F9749-4BF3-4EF1-908C-24D56AFB1FC2

NOTE TO CONTRACTOR:

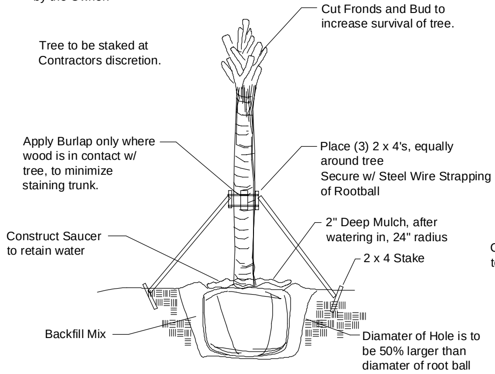
LANDSCAPE INSTALLATION METHODS SHALL MEET OR EXCEED FDOT STANDARD PLANS INDEX 580-001 LANDSCAPE INSTALLATION FOR ALL PLANT MATERIAL INSTALLED WITHIN THE FDOT RIGHT OF WAY.

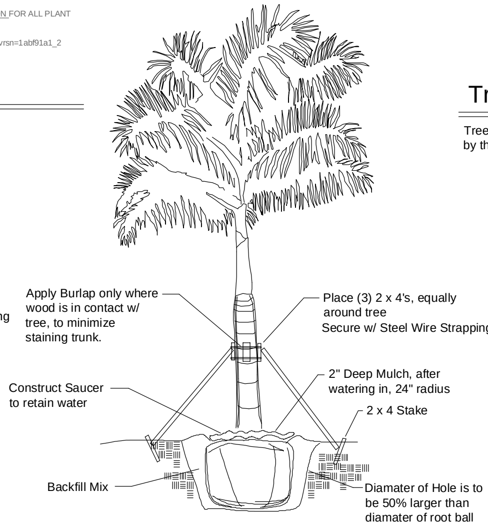
https://fdotwww.blob.core.windows.net/sitefinity/docs/default-source/programmanagement/maintenance/jul22/ssm5800000wd-722-i17992.pdf?sfvrsn=1abf91a1_2

REFER TO SHEET LP8A FOR FDOT STANDARD DETAILS AND SPECIFICATIONS

Palm Tree Staking Detail

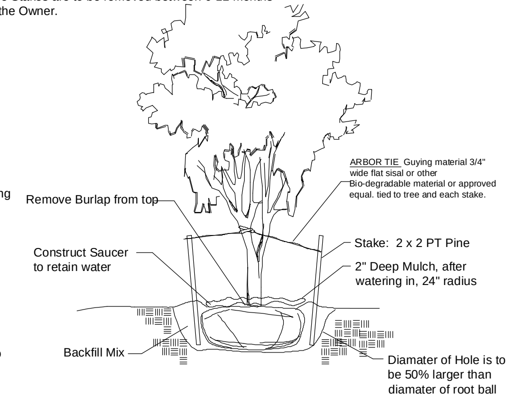
Tree Stakes are to be removed between 6-12 months by the Owner.





Tree Staking Detail

Tree Stakes are to be removed between 6-12 months by the Owner.

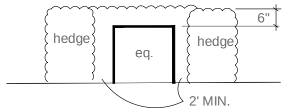


UTILITY SCREENING NOTE:

MECHANICAL & SERVICE EQUIPMENT SCREENING DETAIL

All air conditioners, pumps, transformers, back-flow preventers, and other site utilities shall receive a landscape hedge screen of plant material as required by Code. All hedges shall be maintained 6" above equipment.

provide screening on 3 sides as applicable



12 MONTH TREE & PALM IRRIGATION SCHEDULE
(including al relocates & in temporary palm holding area.)

All trees and Palms shall have one bubbler each, placed ½ way between edge of trunk and root ball.

All trees and Palms shall receive adequate water until established. Recommended watering schedule as below:

For First 30 days = 7 days per week apply 5 gallons per minute for 10 minutes for each plant.

For next 60 days = 3 times per week apply 5 gallons per minute for 10 minutes for each plant.

For remaining 9 months = 2 times per week apply 5 gallons per minute for 10 minutes for each plant.

Contractor shall monitor & adjust accordingly dependant on outside factors (ie extended dry or wet periods).

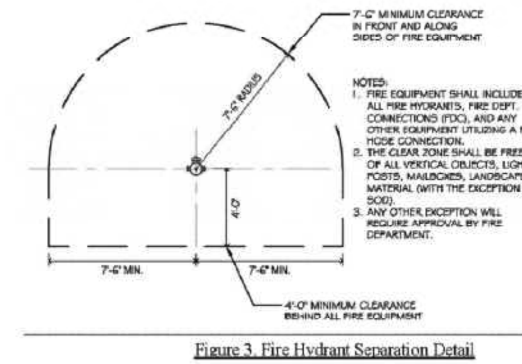


Figure 3. Fire Hydrant Separation Detail

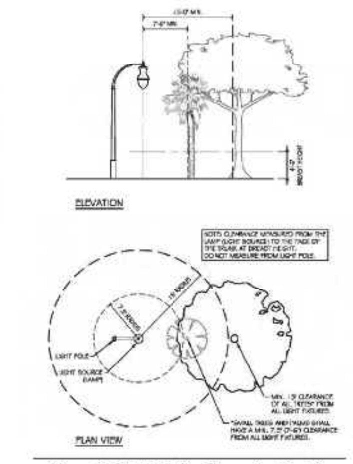
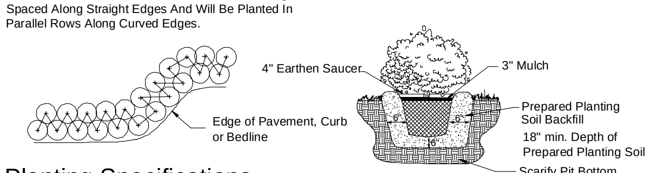


Figure 2. Site Lighting Separation Details

Shrub & Groundcover Planting Detail

NTS

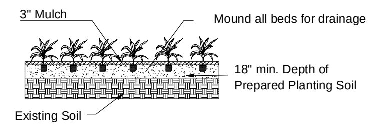
Note: All Shrubs And Groundcovers Shall Be Triangular Spaced Along Straight Edges And Will Be Planted In Parallel Rows Along Curved Edges.



Groundcover & Annual Detail

NOTE: Annuals Are To Be Planted As Per Groundcover Detail Excluding Mulch.

NTS



Note: Groundcover's are to have a minimum of 50% coverage at time of planting with 100% coverage within 6 months.

Notes

All Plants shall be Florida No.1 or better.

Contractor Shall be familiar w/ the Landscape code and shall comply with all of its applicable requirements.

Contractor shall verify all quantities indicated at time of bid. Contractor shall provide unit prices at time of bid.

All contractors working on the project shall be licensed and fully insured as required.

Tree and palm staking shall be removed between 6 and 12 months after planting.

Planting Specifications

QUALITY: All plants shall be Florida No.1 or better as given in Grades & Standards for Nursery Plants, Parts I and II, latest edition published by the Florida Department of Consumer Services.

RESEARCH : Contractor shall research plans and site to determine present location of utilities and obstructions before commencing work. Contractor shall ensure that before he commences work that all necessary permits have been obtained.

The contractor shall personally examine the project site and fully acquaint himself with all of the existing conditions in order that no misunderstanding may occur.

No Additional compensation will be granted, after bid has been let for any hardships the contractor may encounter in the performance of his duty. Any discrepancies or errors not addressed at the time of bid.

DRAWINGS : Drawings are part of this contract. Any discrepancies between the drawings and specifications shall be brought to the attention of the owner at time of bid.

SCOPE : Under this contract, the work consists of furnishing all labor, material, equipment, transportation, etc., to complete all landscaping work as shown on the Drawings, as included in the Plant List and as herein specified. Work shall include all construction and maintenance/watering of all planting areas of this Contract until accepted by the Owner.

The contractor shall be responsible for all planting/ maintenance of plants until acceptance by Owner. Contractor shall protect all existing structure, plants etc., from damage during the construction process.

All damage shall be repaired at the contractors expense

WARRANTY: All trees shall be warrantied for a period of 1 year. All shrubs and groundcovers shall be warrantied for a period of 90 days, and sod shall be warrantied for a period of 30 days. Warranty begins at time of acceptance. All warranties shall be provided to the owner.

REPLACEMENT: All plant replacements shall be done with the same size and species of plant that was specified.

SAMPLES: Samples of any landscape material may be required for approval on the site or as otherwise determined by the Owner. Upon approval of samples (i.e. mulch, planting soil, plant varieties, etc.) by the Owner, delivery of material may begin. Approved samples shall be stored on the site and protected until furnishing of materials is completed. Plant samples be planted in permanent positions, but labeled as samples.

SUBSTITUTIONS : Any substitutions made for any reason must be approved by the owner.

WATER : It is the contractors responsibility to obtain and adequately water the plants during the duration of the installation phase. All plants shall be freshly dug,healthy and be well branched, free form disease and insects.

CONTAINER GROWN MATERIAL : All container grown materials shall be healthy vigorous, well rooted plants, and established in the container so that the root mass will retain its shape and hold together when removed from the container.

PALMS : Only a minimum number of fronds shall be removed from the crown of palm trees to facilitate moving and handling. Cabbage palm heads shall be tied with a burlap strip per the following procedure: The first (inside) row of fronds contiguous to bud shall be removed. The next 3-4 rows shall be tied to bud for support. The remaining (lower) fronds shall be removed. Tied fronds and bud tip shall not be clipped. Burlap strip shall be left in place until the tree is well established.

PALMS : Clear trunk (c.t.) shall be measured from the ground at time of installation to the point where the mature aged trunk joins the immature green portion of the tree. Caliper shall be measured at breast height. Overall height (OA) shall be measured from the ground at the time of installation to a point one-quarter the length of the unopened bud below the bud tip.

SHADE TREES : Height shall be measured from the ground to the avg. height of canopy. Spread shall be measured to the average outer edge. Single trunk trees shall be free from low-crotches.

SHRUBS: Height shall be measured from the ground to the average point where mature plant growth stops. Spread shall be measured to the end of branching equally across the shrub mass. Measurements are not to include any terminal growth.

SOD: Sod shall be measured on the basis of square footage. Contractor shall be responsible for coverage of the square footage shown on the plans.

SOD: Time delivery so that sod will be placed within 24 hours after.

MULCH: Apply 3" NON-CYPRESS mulch to all planting areas. Keep mulch from piling up along the base of the tree and shrubs. Mulch to be measured after compaction.

FINE GRADING
The landscape contractor shall be responsible for fine grading of the site. This means that the site shall be brought within 1" of final grade so that the landscape contractor will be able to perform final grading. All landscape areas, sod areas, are to be fine graded.

PLANT LAYOUT: All bed areas shall have planting laid out prior to planting.
The Landscape Architect shall review all layout prior to planting. If the bed and shrub layout is not inspected prior to planting, the Landscape Architect reserves the right to relocate the plants.

SOIL

Planting beds shall contain good soil, complete with organic sand mix. There shall be no construction debris, rock larger than 1" within bed areas. Soil shall be dark gray-brown in organic color and shall have good drainage characteristics.
Soil within planting beds shall not be compacted.
All compacted sub-base/ shell is to be removed from all landscape areas.

BACKFILL/SOIL MIX	ANNUALS
50% decomposed organic matter (muck)	100% Potting Soil
50% existing soil	
pH: 5.5 - 7.0	

FERTILIZER : Two fertilizers shall be used in all types of plantings except palms. Granular fertilizer shall be uniform in composition, dry and free flowing.
This fertilizer shall be 6-6-6 Nitrogen-Phosphorous-Potassium. Tablet Fertilizer (Agriform or equal) in 21 gr size, shall meet the following requirements: 20% Nitrogen, 10% Phosphorous, 10% Potassium.
The two fertilizers will be applied at the following rates:

1. PLANT SIZE	6-6-6	"AGRIFORM" TABLET (21 GRAM)
1 gal.	1/4 lb.	1
3 gal.	1/3 lb.	2
7-15 gal.	1/2 lb.	4
1"-6" caliper	2 lbs./1" cal.	2/1" caliper
6" and larger	3 lbs./1" cal.	2/1" caliper

2. Magnesium sulfate or "Palm Special" will be applied to all palms at installation at a rate of 1/2 lb. per inch of trunk caliper.

PRUNING: Each plant shall be pruned to complement the natural character of the tree. All dead and brown fronds, leaves, branches shall be removed.

TREE GUYING AND BRACING : Firmly stake or guy all trees in accordance with the plans and planting details immediately after planting to prevent wind damage.

WEED CONTROL: All landscape areas shall be free of nut grass, torpedo grass, and other noxious weeds.

PLANT MAINTENANCE: Contractor shall maintain all plants until final acceptance by owner.

CLEAN-UP: Contractor shall clean site area every day. The site shall be devoid of all rubbish, landscape debris, containers.

Contractor shall verify that he has the most up to date plans, and that they have been approved and accepted by the Owner before commencing construction.

UTILITIES CONFLICT NOTE:

Landscape, Lighting & Irrigation shall not conflict with and shall maintain a minimum of 6 feet (10 feet preferred) separation from existing and proposed water, wastewater, and drainage.

Trees shall not be placed on the bottom of retention areas and swales centerlines.

Refer to for Fire Hydrant Clear Zone Detail.

LANDSCAPE NOTES:

FDOT Type D or F curb shall be provided along the perimeter of all landscaped, open space, drainage and grassed areas adjacent to paved vehicular use areas, except where wheel stops

Safe sight triangles shall be maintained clear of vegetation to provide unobstructed visibility between 30" and 8' above crown of road.

Light poles, fire hydrants, electrical/mechanical equipment, signs, drainage structures, etc. shall not interfere with landscaping in terminal islands, parking islands, medians, buffers or other landscaped areas.

Landscape shall not be placed on around structures in a manner so as to impede accessibility for fire rescue operations..

All new landscape areas shall be provided with 100 % automatic irrigation coverage.
A Functioning rain sensor/shut-off device shall be required on all irrigation systems.

Mulch all plant beds as specified in details using hardwood, non-cypress to 3" depth.

The soil utilized within the parking island areas shall have the lime rock excavated to a depth of 30" and backfilled with suitable planting soil.

FOR ALL TREE PLANTINGS :

Synthetic burlap ball covering materials shall be completely remover.
Wire baskets shall be cut off to a depth of 1/2 (half) the depth f the root ball.
Burlap coverings shall be removed to a depth of 1/3 (third) of the root ball.

Any tree support materials shall be removed from each tree once it is established.

All Canopy trees shall be planted no closer than 10' to any underground utilities. Root Barriers shall be used where applicable (refer to root barrier notes & details)

Root Barrier to be installed shall be a min 36" depth are provided.
Install as per Manufacture specs:
Root Solutions (800)554-0914
Biobarrier (800)257-6687 Or Equal

If any proposed Trees/Palms are adjacent to exiting overhead utility lines, then principles of FPL "Plant the Right Tree in the Right Place" shall be adhered to. Alteration of proposed material shall be reviewed by Project LA for approval & notification to City.

NOTE: ALL SOD TO BE ST. AUGUSTINE , EXCEPT FOR BOTTOM OF DRY RETENTION PONDS WHICH SHALL BE BAHIA SOD. ESTIMATED QUANTITIES SHALL BE DETERMINED AT TIME OF PERMITTING.

TO BE CONTACTED PRIOR TO ANY TYPE OF EXCAVATION WORK

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. Its free. Its the law
www.callsunshine.com

PLANT SCHEDULE OVERALL

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CATEGORY	NATIVE	CAT SF	TOTAL NEW SF CANOPY
A- SHADE TREE								
AR	4	Acer rubrum	Red Maple	12` HT X 5` SPR MIN; 2" DBH, FULL CANOPY	CAT 1	NATIVE	300 SF	1200
AR-E	2	Acer rubrum	Red Maple	Existing	CAT 1	NATIVE	300 SF ex.	
BS	4	Bursera simaruba	Gumbo Limbo	15` HT X 8` SPR MIN. 3.5" DBH MIN	CAT 1	NATIVE	300 SF	1200
CE	18	Conocarpus erectus	Buttonwood	12` HT X 5` SPR MIN; 2" DBH, FULL CANOPY	CAT 1	NATIVE	300 SF	5400
FA-MIT	1	Ficus aurea	Strangler Fig	15` HT X 8` SPR MIN. 3.5" DBH MIN	CAT 1	NATIVE	300 SF	300
FB-E	1	Ficus benghalensis	Indian Banyan	Existing	CAT 1	NATIVE	300 SF ex.	
QL-E	13	Quercus laurifolia	Laurel Oak	Existing	CAT 1	NATIVE	300 SF ex.	
QV	31	Quercus virginiana	Southern Live Oak	15` HT X 8` SPR MIN. 3.5" DBH MIN	CAT 1	NATIVE	300 SF	9300
QV-MIT	19	Quercus virginiana	Southern Live Oak	15` HT X 8` SPR MIN. 3.5" DBH MIN	CAT 1	NATIVE	300 SF	5700
QV-E	15	Quercus virginiana	Southern Live Oak	Existing	CAT 1	NATIVE	300 SF ex.	
TA-MIT	6	Taxodium ascendens	Pond Cypress	12` HT X 5` SPR MIN; 2" DBH, FULL CANOPY	CAT 1	NATIVE	300 SF	2100
TD	12	Taxodium distichum	Bald Cypress	12` HT X 5` SPR MIN; 2" DBH, FULL CANOPY	CAT 1	NATIVE	300 SF	3600
TD-E	3	Taxodium distichum	Bald Cypress	EXISTING	CAT 1	NATIVE	300 SF ex.	
(103 CODE & 26 MIT)	129	SUBTOTAL:						28800 subtotal
B - INTERMEDIATE								
CO10	25	Chrysophyllum oliviforme	Satinleaf	10` HT X 4` SPR MIN, 2" DBH, FULL CANOPY TREE FORM	CAT 2	NATIVE	150 SF	3750
CR	6	Clusia rosea	Autograph Tree	10` HT X 4` SPR MIN, 2" DBH, FULL CANOPY TREE FORM	CAT 2	NATIVE	150 SF	900
CD	9	Coccoloba diversifolia	Pigeon Plum	10` HT X 4` SPR MIN, 2" DBH, FULL CANOPY TREE FORM	CAT 2	NATIVE	150 SF	1350
CS10	6	Cordia sebestena	Orange Geiger Tree	10` HT X 4` SPR MIN, 2" DBH, FULL CANOPY TREE FORM	CAT 2	NATIVE	150 SF	900
ED	9	Elaeocarpus decipiens	Japanese Blueberry Tree	10` HT X 4` SPR MIN, 2" DBH, FULL CANOPY TREE FORM	CAT 2	NON-NATIVE	150 SF	1350
LS	9	Lagerstroemia speciosa	Queen`s Crape Myrtle	10` HT X 4` SPR MIN, 2" DBH, FULL CANOPY TREE FORM	CAT 2	NON-NATIVE	150 SF	1350
(64 CODE)	64	SUBTOTAL:						9600 subtotal
C - SMALL TREE								
CES	1	Conocarpus erectus `Sericeus`	Silver Buttonwood	10` HT X 4` SPR, 1.5\" @ 3`, 3` CT	CAT 3	NATIVE	100 SF	100
EF	13	Eugenia foetida	Spanish Stopper	10` HT X 4` SPR MIN, 2" DBH, FULL CANOPY TREE FORM	CAT 3	NATIVE	100 SF	1300
JAT	9	Jatropha integerrima	Spicy Jatropha	8` HT X 4` SPR, STD	CAT 3	Non-Native	100 SF	900
LI	6	Lagerstroemia x `Muskogee`	Crape Myrtle	10` HT X 4` SPR MIN, 2" DBH, FULL CANOPY TREE FORM	CAT 3	NON-NATIVE	100 SF	600
MF	4	Myrcianthes fragrans	Simpson's Stopper	8` HT X 4` SPR MIN. 1.5" CAL.	CAT 3	NATIVE	100 SF	400
(16 CODE & 17 ADDT'L)	33	SUBTOTAL:						3300 subtotal
D - PALMS								
PD	2	Phoenix dactylifera `Medjool`	Date Palm	12` GW. MIN. * large palm counts as 1 tree (cat 1)	CAT 4	NON-NATIVE	100 SF	200
PHO-T	1	Phoenix roebelenii	Pygmy Date Palm	Transplanted	CAT 4	NON-NATIVE	50 SF tran	
RE	6	Roystonea elata	Florida Royal Palm	12` GW. MIN. * large palm counts as 1 tree (cat 1)	CAT 4	NATIVE	100 SF	600
SP-MIT	5	Sabal palmetto	Cabbage Palmetto	12` - 24` CT; STG HTS IN GROUPINGS, SEE PLAN	CAT 4	NATIVE	100 SF	500
SP	30	Sabal palmetto	Cabbage Palmetto	12` - 24` CT; STG HTS IN GROUPINGS, SEE PLAN	CAT 4	NATIVE	100 SF	3000
SP-T	5	Sabal palmetto	Cabbage Palmetto	Transplanted	CAT 4	NATIVE	100 SF tran	
VM-T	12	Veitchia merrillii	Christmas Palm	Transplanted	CAT 4	NON-NATIVE	100 SF tran	
	61	SUBTOTAL:						4300 subtotal

TOTAL NEW CANOPY = 46,000 SF (nic existing or transplanted sf)

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	NATIVE
SHRUBS						
AEC	23	Aechmea blanchetiana `Orangeade`	Orangeade Bromeliad	24" X 24"	30" O.C.	NON-NATIVE
CHR	423	Chrysobalanus icaco `Red Tip`	Red Tip Cocoplum	24" HT MIN @ INSTALL, FULL	PLANT SOLID	NATIVE
CLU	253	Clusia guttifera	Small Leaf Clusia	30" HT MIN @ INSTALL, FULL TO BASE	30" O.C.	Non-Native
CLU6	86	Clusia guttifera	Small Leaf Clusia	5`-6` HT AT INSTALL	PLANT SOLID	NON-NATIVE
CON	90	Conocarpus erectus	Buttonwood	24\" min @ install	PLANT SOLID	Native
COR	14	Cordyline terminalis `Auntie Lou`	Auntie Lou Ti Plant	7 GAL MIN, 3 PPP, FULL	AS SHOWN	NON-NATIVE
JA	4	Jatropha integerrima	Spicy Jatropha	4` oa, multi	AS SHOWN	Non-Native
MYR	152	Myrcianthes fragrans	Simpson's Stopper	30" HT MIN @ INSTALL, FULL TO BASE	PLANT SOLID	NATIVE
PRC	51	Philodendron x `Rojo Congo`	Rojo Congo Philodendron	24" HT MIN @ INSTALL, FULL	30" O.C.	NON-NATIVE
POD	188	Podocarpus macrophyllus	Podocarpus	30" HT MIN @ INSTALL, FULL TO BASE	PLANT SOLID	NON-NATIVE
PDD	60	Podocarpus macrophyllus `Dwarf Pringles`	Dwarf Podocarpus	24" HT MIN @ INSTALL, FULL	24" OC	NON-NATIVE
PSY	53	Psychotria nervosa	Wild Coffee	24" HT MIN @ INSTALL, FULL	24" OC	Native
SER	6	Serenoa repens	Saw Palmetto	20\"x20\"	AS SHOWN	NATIVE
THR	80	Thryallis glauca	Thryallis	24" HT MIN @ INSTALL, FULL	24" OC	NON-NATIVE
	1,483	SUBTOTAL:				
SHRUB AREAS						
BOU	78	Bougainvillea x `Raspberry Ice`	Bougainvillea bush	18" HT MIN @ INSTALL, FULL	24" OC	NON-NATIVE
DIA	205	Dianella tasmanica	Flax Lily	15\"x15\"	18" OC	NON-NATIVE
FIC	424	Ficus microcarpa `Green Island`	Green Island Ficus	18" HT MIN @ INSTALL, FULL	18" OC	NON-NATIVE
HAM	337	Hamelia patens	Firebush	24" HT MIN @ INSTALL, FULL	24" OC	NATIVE
ILX	570	Ilex vomitoria `Schillings Dwarf`	Dwarf Schillings Holly `Hedge`	15\"x15\"	18" OC	NATIVE
IXO	347	Ixora taiwanensis	Dwf Ixora Petite Red	18" HT MIN @ INSTALL, FULL	18" OC	NON-NATIVE
JAS	305	Jasminum multiflorum	Downey Jasmine	18" HT MIN @ INSTALL, FULL	24" OC	NON-NATIVE
MUH	162	Muhlenbergia capillaris	Pink Muhly Grass	24" HT MIN @ INSTALL, FULL	24" OC	NATIVE
NEP	171	Nephrolepis exaltata	Boston Fern	15\"x15\"	18\" O.C.	NATIVE
PHX	92	Philodendron xanadu	Xanadu Philodendron	18" HT MIN @ INSTALL, FULL	24" OC	NON-NATIVE
RHA	128	Rhaphiolepis indica `Alba`	White Indian Hawthorn	15\"x15\"	18" OC	NON-NATIVE
TRI	183	Schefflera arboricola `Trinette`	Schefflera trinette	18" HT MIN @ INSTALL, FULL	18" OC	NON-NATIVE
SPA	160	Spartina bakeri	Sand Cord Grass	18" HT MIN @ INSTALL, FULL	24" OC	NATIVE
DFK	302	Tripacum dactyloides	Dwarf Fakahatchee	24" HT MIN @ INSTALL, FULL	30" oc	NATIVE
ZAM	235	Zamia floridana	Fl Coontie	15\"x15\"	18" OC	NATIVE
	3,699	SUBTOTAL:				
GROUND COVERS						
ASP	396	Asparagus densiflorus 'Myers'	Myers Asparagus Fern	12"x12"	18\" O.C.	NON-NATIVE
JUN	664	Juniperus horizontalis	Creeping Juniper	15\"x15\"	18\" O.C.	NON-NATIVE
LIR	1,071	Liriope muscari `Evergreen Giant`	Evergreen Giant Border Grass	15\"x15\"	18\" O.C.	NON-NATIVE
	2,131	SUBTOTAL:				
TURF						
SOD-B	8,081 sf	Paspalum notatum	Bahia Grass	final amount tbd in field		
SOD	33,640 sf	Stenotaphrum secundatum `Floritam`	Floritam St. Augustine Sod	final amount tbd in field		
	41,721 sf	SUBTOTAL:				

Finished grades of landscape areas. Finished grade of landscape areas shall be at or below the grade of adjacent VUA or public sidewalks, except for mounding or other surface aesthetics. Grade shall be designed to receive roof and surface runoff and to assist irrigation of plantings and then any overflow routed as necessary underground. Mounding or other surface aesthetics shall not inhibit or defeat intended rainwater capture, retention or percolation from a VUA.

Root barriers. A root barrier system shall be installed in situations where a tree or palm is planted within six (6) feet of underground utilities and hardscape as required by code, unless other special provisions have been designed to accommodate tree roots.

IRRIGATION NOTE: (Water source - new well / pump)
An automatic properly functioning underground irrigation system with a rain sensing cutoff device shall be in compliance with the SFWMD, Florida Building Code and city Building Code requirements. The rain sensing cutoff device shall be located and installed in such a manner that the building eaves, balconies and similar overhangs do not interfere with the operation of the device. The irrigation system shall be rust free & properly maintained in good working order and provide a minimum coverage of 100% with 50% overlap.

Adequate irrigation of all newly proposed landscaped areas shall be provided for the first full growing season and continue thereafter only as necessary to maintain required vegetation in good and healthy condition. Irrigation systems shall conform to following standards:
a. Irrigation systems shall be continuously maintained in working order and shall be designed so not to overlap water zones or to water impervious areas.
b. No irrigation system shall be installed or maintained abutting any public street which causes water from the system to spurt onto the roadway or to strike passing vehicular traffic.

FDOT LANDSCAPE PERMIT # 2024-L-491-00007

REVISION		DATE
1	FDOT comments	4/17/24
2	COA comments	5/16/24

Lynn M Bender — Digitally signed by Lynn M Bender Date: 2024.05.16 19:45:17 -04'00'

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CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS AND NOTIFY LA, ARCHITECT &/OR ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

COCONUT CREEK MAZDA

3757 CORAL TREE CIRCLE
COCONUT CREEK, FLORIDA 33073

FDOT - SR 834 & SIDEWALK EASEMENT
LANDSCAPE PLANT LIST, DETAILS & SPECIFICATIONS

LYNN M BENDER
REGISTERED LANDSCAPE ARCHITECT
STATE OF FLORIDA
5/16/24

PROJECT NO. 20-569 | CADD I.D. MAZDA LP
DRAWN BY : LMB
CHECKED BY : LMB
SCALE : 1" = 40'-0"
DATE : 01-21-2021

SHEET : LP8

LP8 LANDSCAPE PLANT LIST, DETAILS & SPECIFICATIONS

The Client agrees to indemnify and hold harmless LBLA INC. from any liability arising from acts or omissions in the performance of said services during construction by the Client, and his/her agents, employees, or subcontractors. where LBLA INC. does not provide landscape architectural services during construction (as the term is generally understood), including on-site monitoring, site visits, shop drawing review, design clarification, etc.

FDOT SET : COVER, LP1, LP2, LP5 & LP8 ONLY

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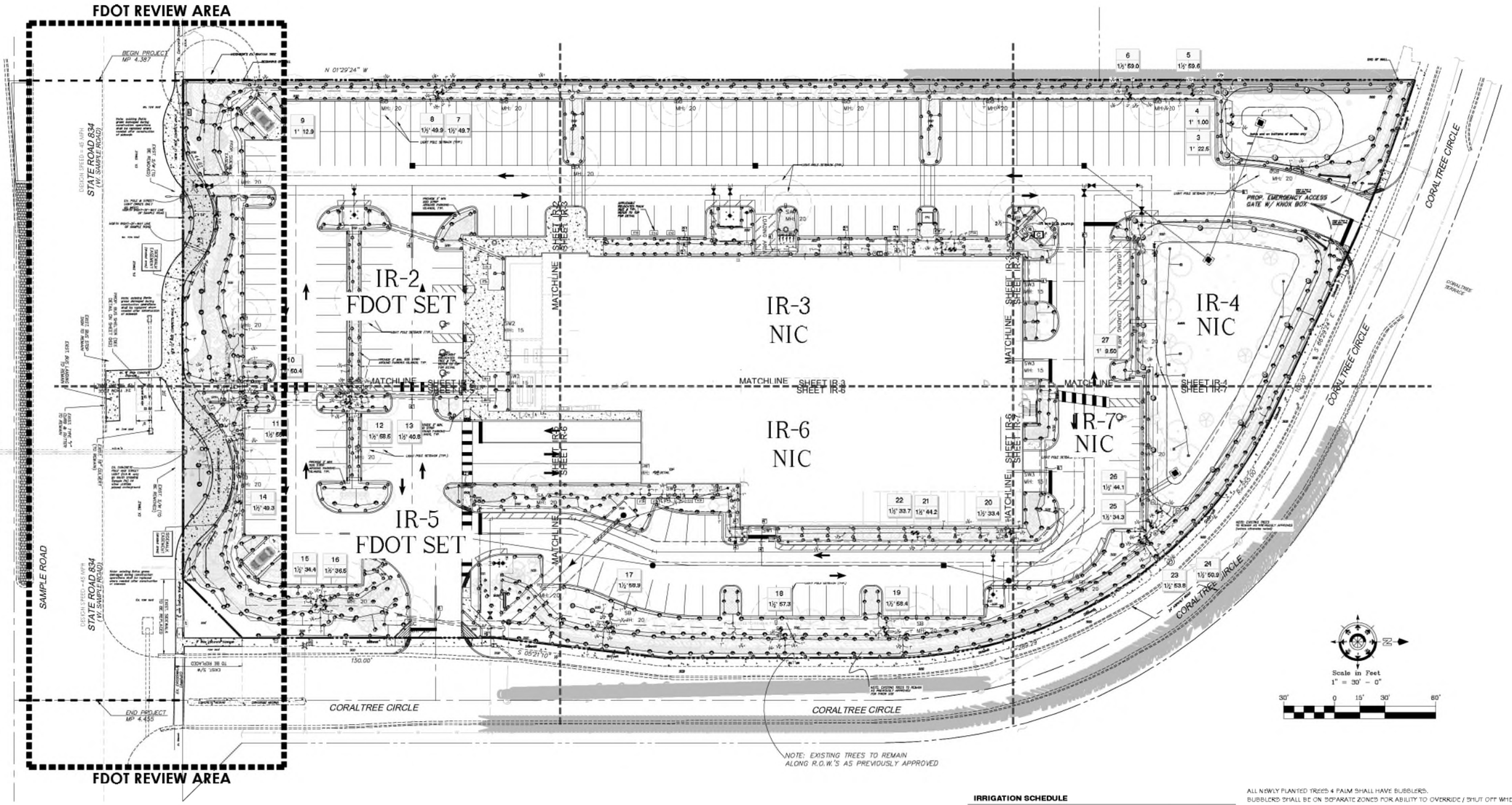

FDOT REVIEW AREA

NOTE TO CONTRACTOR:
THE FOLLOWING IRRIGATION INSPECTIONS ARE REQUIRED BY CITY:
- ROUGH
- SLEEVES
- MAINLINE PRESSURE TEST
- FINAL

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL	QTY	ARC	PSI	RADIUS
	Hunter PROS-04 5' strip spray	35	LCS	30	5'x15'
	Hunter PROS-04 5' strip spray	37	RCS	30	5'x15'
	Hunter PROS-04 5' strip spray	168	SST	30	5'x30'
	Hunter PROS-04 8' radius	179	180	30	8'
	Hunter PROS-04 8' radius	21	90	30	8'
	Hunter PROS-04 10' radius	2	360	30	10'
	Hunter PROS-04 10' radius	34	180	30	10'
	Hunter PROS-04 10' radius	23	90	30	10'
	Hunter PROS-04 12' radius	2	360	30	12'
	Hunter PROS-04 12' radius	42	180	30	12'
	Hunter PROS-04 12' radius	3	90	30	12'
	Hunter PROS-04 15' radius	19	180	30	15'
	Hunter PROS-04 15' radius	8	90	30	15'
	Hunter PROS-12 5' strip spray	30	LCS	30	5'x15'
	Hunter PROS-12 5' strip spray	30	RCS	30	5'x15'
	Hunter PROS-12 5' strip spray	117	SST	30	5'x30'
	Hunter PROS-12 8' radius	62	180	30	8'
	Hunter PROS-12 8' radius	54	90	30	8'
	Hunter PROS-12 10' radius	2	360	30	10'
	Hunter PROS-12 10' radius	124	180	30	10'
	Hunter PROS-12 10' radius	23	90	30	10'
	Hunter PROS-12 12' radius	6	360	30	12'
	Hunter PROS-12 12' radius	52	180	30	12'
	Hunter PROS-12 12' radius	24	90	30	12'
	Hunter PROS-12 15' radius	1	360	30	15'
	Hunter PROS-12 15' radius	38	180	30	15'
	Hunter PROS-12 15' radius	15	90	30	15'
	Hunter PCB 50	21	360	30	3'
	TOTAL NO. OF HEADS	1,192			

ALL NEWLY PLANTED TREES & PALM SHALL HAVE BUBBLERS.
BUBBLERS SHALL BE ON SEPARATE ZONES FOR ABILITY TO OVERRIDE / SHUT OFF WHEN NOT NEEDED.

SYMBOL	MANUFACTURER/MODEL	QTY	PSI	RADIUS
	Hunter PGP-ADJ-B	7	45	31'
	Hunter PGP-ADJ-B	17	45	39'
	Hunter PGP-ADJ-LA	3	40	24'

SYMBOL	MANUFACTURER/MODEL	QTY
	Hunter PGV-1010 1"	4
	Hunter PGV-151 Globe 1-1/2"	23
	Motor-Norca 514TX 2 1/2"	3
	Hunter IC-0600-PL	1
	Hunter RAIN-CLIK	1
	Pump 5 HP - SURFACE MOUNT 4" WELL - 120 GPM	1
	Irrigation Lateral Line: PVC Class 200 SDR 21 1"	12,024 l.f.
	Irrigation Lateral Line: PVC Class 200 SDR 21 1 1/4"	1,336 l.f.
	Irrigation Lateral Line: PVC Class 200 SDR 21 1 1/2"	301.2 l.f.
	Irrigation Lateral Line: PVC Class 200 SDR 21 2"	82.7 l.f.
	Irrigation Lateral Line: PVC Class 200 SDR 21 2 1/2"	28.8 l.f.
	Irrigation Mainline: PVC Class 200 SDR 21 2 1/2"	2,090 l.f.
	Pipe Sleeve: PVC Schedule 40 2"	122.5 l.f.
	Pipe Sleeve: PVC Schedule 40 4"	217.7 l.f.
	Pipe Sleeve: PVC Schedule 40 6"	183.5 l.f.

Valve Detail

IRRIGATION SYSTEM SHALL BE RUST-FREE; CONTRACTOR SHALL COORDINATE WITH OWNER FOR INSTALLATION OF A RUST INHIBITOR SYSTEM IF APPLICABLE TO THIS SITE. OWNER TO SECURE A COMPANY TO PROVIDE ON-GOING SERVICES TO PROPERLY MAINTAIN THE RUST INHIBITOR SYSTEM.

FDOT LANDSCAPE PERMIT # 2024-L-491-00007

TO BE CONTACTED PRIOR TO ANY TYPE OF EXCAVATION WORK

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IR-1
1"=30'-0"

OVERALL IRRIGATION PLAN - KEY

FDOT SET : IR-1, IR-2, IR-5 & IR-8 ONLY

REVISION		DATE
1	FDOT comments	4/17/24
2	COA comments	5/16/24

Lynn M Bender — Digitally signed by Lynn M Bender Date: 2024.05.16 19:45:38 -04'00'

LBLA, Inc.
Landscape Architecture
5610 Adair Way
Lake Worth, FL 33467
Phone: 561-644-3237
LbenderLarch@gmail.com
FL-LA6666715

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CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS AND NOTIFY LA ARCHITECT &/OR ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

COCONUT CREEK MAZDA

3757 CORAL TREE CIRCLE
COCONUT CREEK, FLORIDA 33073

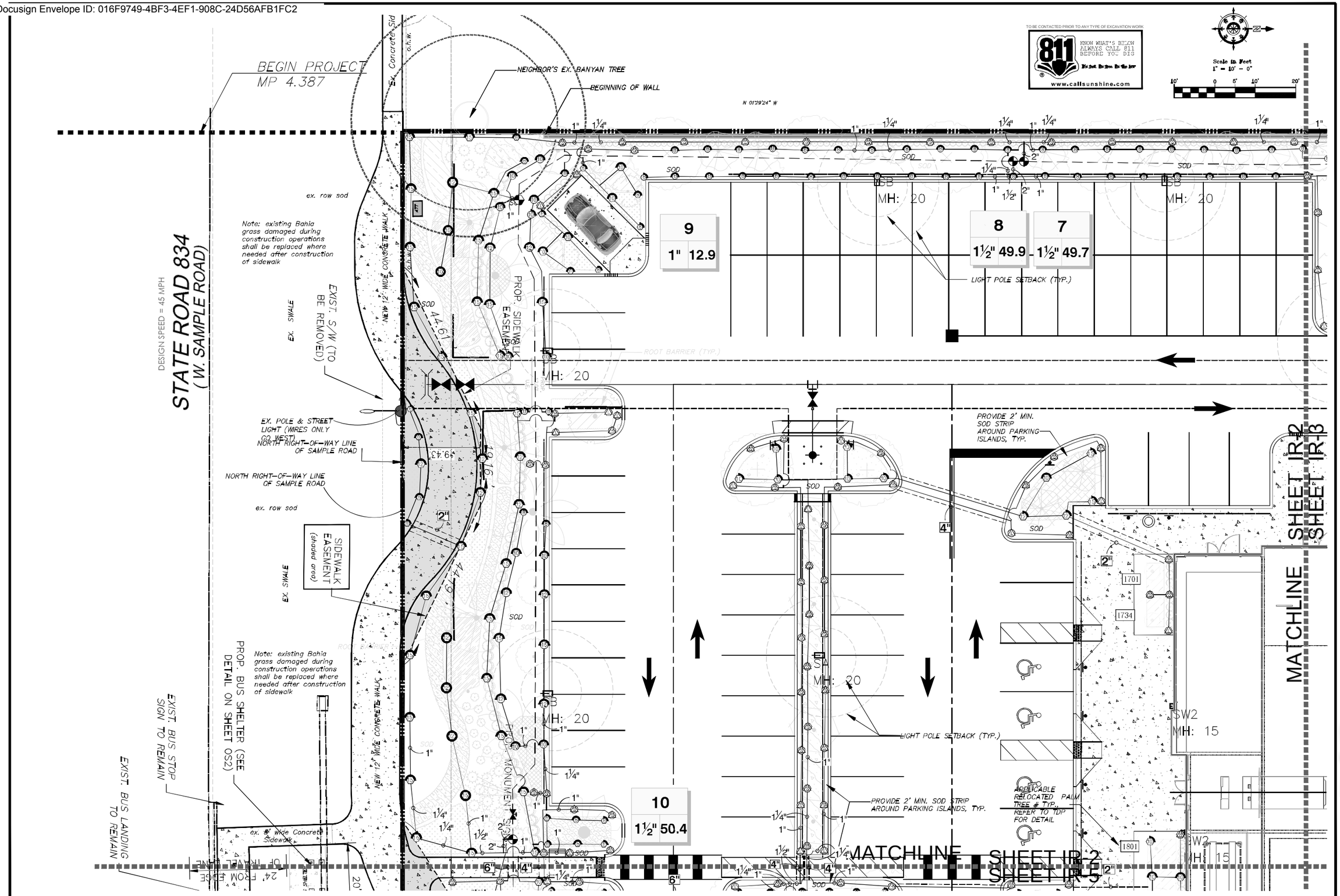
FDOT - SR 834 & SIDEWALK EASEMENT
OVERALL IRRIGATION PLAN

LYNN M BENDER REGISTERED LANDSCAPE ARCHITECT LICENSED IN THE STATE OF FLORIDA
LANDSCAPE ARCHITECT LYNN M BENDER STATE OF FLORIDA
5/16/24

PROJECT NO.	CADD I.D.
20-569	MAZDA LP
DRAWN BY :	LMB
CHECKED BY :	LMB
SCALE :	1" = 30'-0"
DATE :	08-04-2021

SHEET :
IR-1

Docusign Envelope ID: 016F9749-4BF3-4EF1-908C-24D56AFB1FC2



REVISION		DATE
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COCONUT CREEK MAZDA
3757 CORAL TREE CIRCLE
COCONUT CREEK, FLORIDA 33073
FDOT - SR 834 & SIDEWALK EASEMENT
IRRIGATION PLAN

5/16/24

PROJECT NO. 20-569	CADD I.D. MAZDA LP
DRAWN BY : LMB	
CHECKED BY : LMB	
SCALE : 1" = 10'-0"	
DATE : 08-04-2021	

SHEET : IR-2
2 OF 8 SHEETS

FDOT LANDSCAPE PERMIT # 2024-L-491-00007

IR-2 1"=10'-0" IRRIGATION PLAN

FDOT SET : IR-1, IR-2, IR-5 & IR-8 ONLY

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MATCHLINE SHEET IR-5

MATCHLINE SHEET IR-6

SAMPLE ROAD

STATE ROAD 834 (W. SAMPLE ROAD)

DESIGN SPEED = 45 MPH

EXIST. TYPE "F" CURB & GUTTER TO REMAIN

EXIST. 18" CULVERT (TO REMAIN)

o.h.w.'s

ex. row sod

EX. CONCRETE POLE AND STREET LIGHT (O.H.W. only go south crossing Sample Rd) All other utilities placed underground

EXIST. S/W (TO BE REMOVED)

EX. SWALE

NEW 12' WIDE CONCRETE WALK

SIDEWALK EASEMENT (shaded area)

Note: existing Bahia grass damaged during construction operations shall be replaced where needed after construction of sidewalk

Ex. row sod

EXIST. SIDEWALK TO BE REPLACED

5' wide Concrete Sidewalk

sod

EX. CROSSWALK (Asphalt)

EXIST. S/W TO BE REPLACED

5' wide Concrete Sidewalk

row sod

Sidewalk

CONCRETE MEDIAN

CONCRETE MEDIAN

CORALTREE CIRCLE

END PROJECT MP 4.455

PROVIDE 2' MIN. SOD STRIP AROUND PARKING ISLANDS, TYP.

LIGHT POLE SETBACK (TYP.)

11	1½" 55.1
12	1½" 58.5
13	1½" 40.8
14	1½" 49.3
15	1½" 34.4
16	1½" 36.5

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Scale in Feet
1" = 10' - 0"
10' 0 5' 10' 20'

FDOT LANDSCAPE PERMIT # 2024-L-491-00007

IR-5 1"=10'-0" IRRIGATION PLAN

FDOT SET : IR-1, IR-2, IR-5 & IR-8 ONLY

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Lynn M Bender — Digitally signed by Lynn M Bender Date: 2024.05.16 19:46:17 -04'00'

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COCONUT CREEK MAZDA
3757 CORAL TREE CIRCLE
COCONUT CREEK, FLORIDA 33073
FDOT - SR 834 & SIDEWALK EASEMENT
IRRIGATION PLAN

5/16/24

PROJECT NO.	20-569
CADD I.D.	MAZDA LP
DRAWN BY :	LMB
CHECKED BY :	LMB
SCALE :	1" = 10'-0"
DATE :	08-04-2021
SHEET :	IR-5

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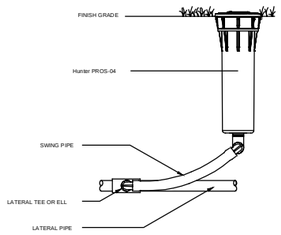
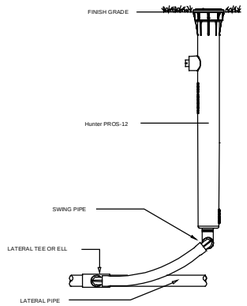
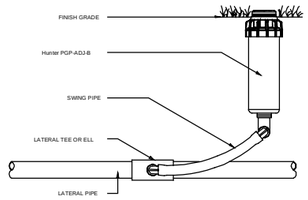


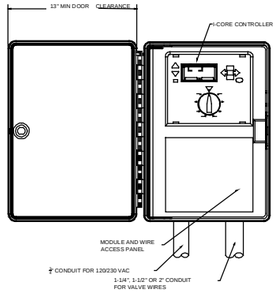
POP-UP SPRAY SPRINKLER



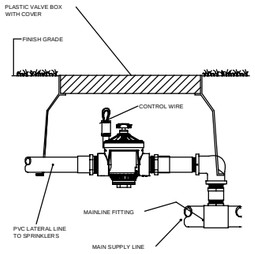
POP-UP SPRAY SPRINKLER



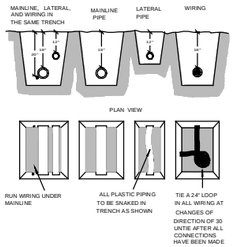
ROTOR



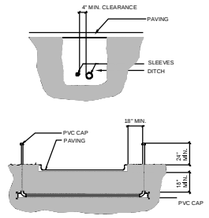
HUNTER I-CORE CONTROLLER



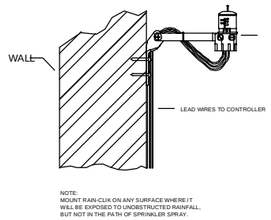
REMOTE CONTROL VALVE



PIPE AND WIRE TRENCH



IRRIGATION SLEEVING



HUNTER RAIN-CLIK RAIN SENSOR

IRRIGATION SPECIFICATIONS

1. IRRIGATION POINT OF CONNECTION SHALL BE CAPABLE OF DELIVERING A VARIABLE FLOW RATE OF 60 GPM AT A CONSTANT PRESSURE OF 70 PSI DOWNSTREAM OF BACKFLOW PREVENTION DEVICE.POINT OF CONNECTION SHELL BE ABLE TO MAINTAIN THE MAXIMUM FLOW RATE AND PRESSURE FOR THE DURATION OF AN IRRIGATION CYCLE. CONTRACTOR SHALL VERIFY THESE PARAMETERS PRIOR TO CONSTRUCTION, AND NOTIFY OWNER'S REPRESENTATIVE AND IRRIGATION CONSULTANT IF THEY CANNOT BE MET.
2. IF THE POINT OF CONNECTION EXCEEDS THE ABOVE PRESSURE REQUIREMENTS, A PRESSURE REGULATOR SHALL BE INSTALLED AT THE OWNER'S EXPENSE. PRESSURE REGULATOR SHALL BE SET AT THE PRESSURE RECOMMENED ABOVE.
3. POWER FOR THE IRRIGATION CONTROLLER, PUMP AND OTHER ELECTRICAL COMPONENTS SHALL BE PROVIDED BY OTHER. CONTRACTOR SHALL VERIFY POWER AVAILABLE MEETS THS REQUIREMENTS OF THE COMPONENT'S MANUFACTURER. IF POWER AVAILABLE IS INADQUATE, CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
4. IRRIGATION SYSTEM IS DISPLAYED SCHEMATIC IN NATURE. MINOR FIELD ADJUSTMENTS MAY BE NECESSARY TO ACCOMMODATE FOR LANDSCAPING CHANGES, PLANTING BEDS OR OTHER OBSTRUCTIONS. THESE ADJUSTMENTS MAY BE MADE ONLY AFTER NOTIFYING THE OWNER'S REPRESENTATIVE.
5. SOME IRRIGATION COMPONENTS AND PIPING ARE SHOWN IN HARDSCAPE AREAS AND OUTSIDE OF PROPERTY LINES TO IMPROVE ON THE READABILITY OF THE IRRIGATION PLAN. ALL COMPONENTS AND PIPING SHALL BE INSTALLED INSIDE OF THE PROPERTY LINES AND OUTSIDE OF HARDSCAPE AREAS.
6. MAINLINE, LATERALS AND CONTROL WIRES SHALL BE INSTALLED INSIDE THE SAME TRENCH WHENEVER POSSIBLE..
7. SYSTEM TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
8. CONTROLER SHALL BE GROUNDED PER MANUFACTURER'S SPECIFICATIONS.
9. ALL CONTROLLER/VALVE WIRE SHALL BE #14 GAUGE. THE COMMON WIRE SHALL BE COLORED WHITE, WHILE THE STATION WIRES SHALL BE OF AT LEAST ONE COLOR OTHER THAN WHITE.
10. ALL FIELD WIRE ABOVE GRADE OR WITHIN STRUCTURE TO BE INSTALLED IN CONDUIT PER LOCAL CODE.
11. ALL UNDERGROUND SPLICES TO UTILIZE 3M DBY, OR KING WATER PROOF SPLICE KITS, DEPENDING ON NUMBER AND SIZE OF WIRES. ALL SPLICES SHALL BE MADE INSIDE A VALVE BOX.
12. DEPTH OF IRRIGATION PIPING;18" ON MAINLINE; 12" ON LATERALS.
13. SLEEVING UNDER PAVED AREAS SHALL BE INSTALLED AT A DEPTH OF 24".
14. ALL NEW TREES AND PALMS SHALL HAVE BUBBLERS

VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM	HEADS	PIPE	DESIGN PSI	FRICTION LOSS	VALVE LOSS	PSI	PSI @ POC	PRECIP
1	Hunter PGV-151 Globe	1-1/2"	Turf Spray	28.01	37	470.0	30	4.02	3	37.02	37.86	1.45 in/h
2	Hunter PGV-151 Globe	1-1/2"	Shrub Spray	42.31	71	656.2	30	3.51	3.23	36.74	38.46	1.62 in/h
3	Hunter PGV-101G	1"	Turf Rotor	22.50	9	232.4	45	1.17	4	50.17	50.96	0.77 in/h
4	Hunter PGV-101G	1"	Bubbler	1.00	2	46.6	30	0.01	1.1	31.11	31.51	1.7 in/h
5	Hunter PGV-151 Globe	1-1/2"	Shrub Spray	59.56	54	666.3	30	3.34	4.96	38.3	42.95	1.56 in/h
6	Hunter PGV-151 Globe	1-1/2"	Turf Spray	58.97	101	936.5	30	3.74	4.9	38.63	43.39	1.34 in/h
7	Hunter PGV-151 Globe	1-1/2"	Shrub Spray	49.72	46	575.4	30	3.02	3.97	37.0	41.19	1.33 in/h
8	Hunter PGV-151 Globe	1-1/2"	Turf Spray	49.85	81	732.6	30	3.22	3.99	37.21	41.42	1.39 in/h
9	Hunter PGV-101G	1"	Shrub Spray	12.90	8	92.3	30	0.21	1.73	31.93	32.52	1.03 in/h
10	Hunter PGV-151 Globe	1-1/2"	Shrub Spray	50.44	39	457.6	30	2.31	4.04	36.35	40.54	1.56 in/h
11	Hunter PGV-151 Globe	1-1/2"	Turf Spray	55.08	60	581.7	30	1.97	4.51	36.47	41.53	1.59 in/h
12	Hunter PGV-151 Globe	1-1/2"	Turf Spray	58.50	55	717.6	30	2.88	4.85	37.73	43.87	1.56 in/h
13	Hunter PGV-151 Globe	1-1/2"	Shrub Spray	40.75	54	635.3	30	3.09	3.08	36.17	39.35	1.53 in/h
14	Hunter PGV-151 Globe	1-1/2"	Shrub Spray	49.31	41	440.2	30	2.01	3.93	35.94	40.03	1.43 in/h
15	Hunter PGV-151 Globe	1-1/2"	Shrub Spray	34.43	36	360.9	30	0.76	3	33.75	35.9	1.4 in/h
16	Hunter PGV-151 Globe	1-1/2"	Turf Spray	36.50	38	404.2	30	1.13	3	34.13	36.53	1.32 in/h
17	Hunter PGV-151 Globe	1-1/2"	Turf Spray	58.90	48	593.0	30	1.52	4.89	36.4	42.08	1.55 in/h
18	Hunter PGV-151 Globe	1-1/2"	Shrub Spray	57.30	71	688.2	30	2.81	4.73	37.54	42.76	1.54 in/h
19	Hunter PGV-151 Globe	1-1/2"	Turf Spray	58.39	48	602.4	30	1.54	4.84	36.38	41.62	1.52 in/h
20	Hunter PGV-151 Globe	1-1/2"	Shrub Spray	33.37	38	379.6	30	1.9	3	34.9	36.8	1.85 in/h
21	Hunter PGV-151 Globe	1-1/2"	Turf Spray	44.24	53	624.1	30	4.98	3.42	38.41	41.84	1.54 in/h
22	Hunter PGV-151 Globe	1-1/2"	Shrub Spray	33.71	43	496.8	30	4.79	3	37.79	39.88	1.63 in/h
23	Hunter PGV-151 Globe	1-1/2"	Turf Spray	53.80	52	640.0	30	4.12	4.38	38.5	42.43	1.49 in/h
24	Hunter PGV-151 Globe	1-1/2"	Shrub Spray	50.91	56	550.6	30	4.23	4.09	38.33	41.84	1.26 in/h
25	Hunter PGV-151 Globe	1-1/2"	Shrub Spray	34.26	41	408.6	30	3.07	3	36.07	37.76	1.1 in/h
26	Hunter PGV-151 Globe	1-1/2"	Turf Rotor	44.10	18	474.1	45	4.51	3.41	52.92	55.59	0.9 in/h
27	Hunter PGV-101G	1"	Bubbler	9.50	19	308.9	30	0.36	1.9	32.26	32.71	1.7 in/h

CRITICAL ANALYSIS

Generated:

Pump 5 HP - SURFACE MOUNT
Water Source Information: 4" WELL - 120 GPM

FLOW AVAILABLE	
Pump:	
Flow Available:	120.00 gpm
PRESSURE AVAILABLE	
Static Pressure at Pump:	70.00 PSI
Elevation Change:	5.00 ft
Service Line Size:	3"
Length of Service Line:	20 ft
Pressure Available:	68.00 psi
DESIGN ANALYSIS	
Maximum Station Flow:	59.56 gpm
Flow Available at Pump:	120.00 gpm
Residual Flow Available:	60.44 gpm
Pressure Req. at Critical Station:	52.92 psi
Loss for Fittings:	0.10 psi
Loss for Main Line:	1.02 psi
Loss for Pump to Valve Elevation:	0.00 psi
Loss for Backflow:	0.00 psi
Loss for Pump:	1.55 psi
Critical Station Pressure at Pump:	55.59 psi
Pressure Available:	68.00 psi
Residual Pressure Available:	12.41 psi

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NOTE TO CONTRACTOR:
THE FOLLOWING IRRIGATION INSPECTIONS ARE REQUIRED BY CITY:
- ROUGH
- SLEEVES
- MAINLINE PRESSURE TEST
- FINAL

IRRIGATION SYSTEM SHALL BE RUST-FREE; CONTRACTOR SHALL COORDINATE WITH OWNER FOR INSTALLATION OF A RUST INHIBITOR SYSTEM IF APPLICABLE TO THIS SITE. OWNERS TO SECURE A COMPANY TO PROVIDE ON-GOING SERVICES TO PROPERLY MAINTAIN THE RUST INHIBITOR SYSTEM.

FDOT LANDSCAPE PERMIT # 2024-L-491-00007

IR-8 IRRIGATION DETAILS & SPECIFICATIONS

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REVISION		DATE
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COCONUT CREEK MAZDA
3757 CORAL TREE CIRCLE
COCONUT CREEK, FLORIDA 33073
FDOT - SR 834 & SIDEWALK EASEMENT
IRRIGATION, DETAILS & SPECIFICATIONS

LYNN M. BENDER — STATE OF FLORIDA — REGISTERED LANDSCAPE ARCHITECT — 5/16/24

PROJECT NO.	CADD I.D.
20-569	MAZDA LP
DRAWN BY :	LMB
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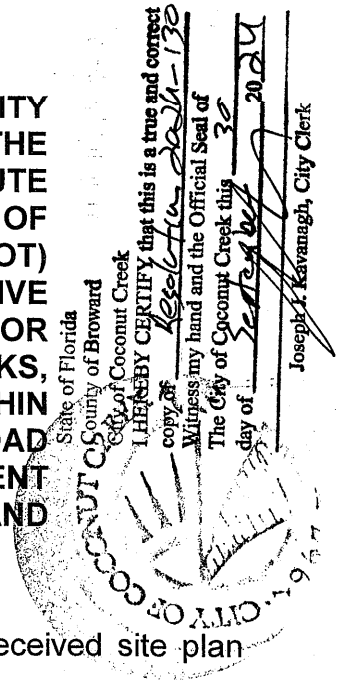
SCALE :	N.T.S
DATE :	08-04-2021
SHEET :	IR-DETAILS

Docusign Envelope ID: 016F9749-4BF3-4EF1-908C-24D56AFB1FC2

RESOLUTION NO. 2024-130

A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF COCONUT CREEK, FLORIDA, AUTHORIZING THE CITY MANAGER, OR DESIGNEE, TO EXECUTE AMENDMENT NUMBER NINE (9) TO THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) DISTRICT FOUR LANDSCAPE INCLUSIVE MAINTENANCE MEMORANDUM OF AGREEMENT FOR THE PURPOSE OF MAINTAINING SIDEWALKS, LANDSCAPING, AND OTHER IMPROVEMENTS WITHIN THE RIGHT-OF-WAY OF SAMPLE ROAD (STATE ROAD 834) RELATED TO THE MAZDA DEVELOPMENT PROJECT; PROVIDING FOR SEVERABILITY; AND PROVIDING AN EFFECTIVE DATE.



WHEREAS, on October 14, 2021, Pompano Autoplex, LLC received site plan approval from the City for the design and construction of the Mazda automobile dealership located at 4101 West Sample Road; and

WHEREAS, a portion of the Mazda Development Project improvements, including, but not limited to, sidewalks, landscaping, and a bus rider shelter, will be constructed within the Florida Department of Transportation (FDOT) property and/or right-of-way; and

WHEREAS, the City of Coconut Creek recognizes the need to amend an existing FDOT Landscape Inclusive Maintenance Memorandum of Agreement (MMOA), designating and setting forth maintenance responsibilities related to these improvements; and

WHEREAS, it shall be the responsibility of the City of Coconut Creek to maintain or coordinate the maintenance of the improvements after the project's completion; and

WHEREAS, said maintenance responsibilities will be reassigned to Pompano Autoplex, LLC by separate resolution and agreement.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF COCONUT CREEK, FLORIDA:

Docusign Envelope ID: 016F9749-4BF3-4EF1-908C-24D56AFB1FC2

Section 1: That the foregoing "WHEREAS" clauses are hereby ratified and confirmed as being true and correct and are hereby made a specific part of this resolution. All exhibits attached hereto are incorporated herein and made a specific part of this resolution.

Section 2: That the City Commission hereby accepts the future budgeting and funding resources projected to be necessary for maintenance contingency and supports the mobility project as it relates to the Mazda Development Project.

Section 3: That City Manager, or designee, is hereby authorized to execute Amendment Number Nine (9) to the FDOT District Four Landscape Inclusive Maintenance Memorandum of Agreement between FDOT and the City, designating maintenance responsibilities for the Sample Road right-of-way improvements related to the Mazda Development Project.

Section 4: That if any clause, section, other part or application of this resolution is held by any court of competent jurisdiction to be unconstitutional or invalid, in part or in application, it shall not affect the validity of the remaining portion or applications of this resolution.

Section 5: That this resolution shall be in full force and effect immediately upon its adoption.

Adopted this 26th **day of** September **, 2024.**

Sandra L. Welch, Mayor

Attest:

Joseph J. Kavanagh, City Clerk

Welch	Aye
Railey	Aye
Rydell	Aye
Brodie	Aye
Wasserman	Aye