

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 _____ day of _____ 20____ 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:

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.

- 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: _____
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**

By: _____ Date: _____
John Krane, P.E., Director of Transportation Development

Attest:

_____ (SEAL)
Alia Channel, Executive Secretary

Legal Review:

Francine Steelman, Office of the General Counsel

SECTION: 86028000
COUNTY: BROWARD
STATE RD: 834
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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)

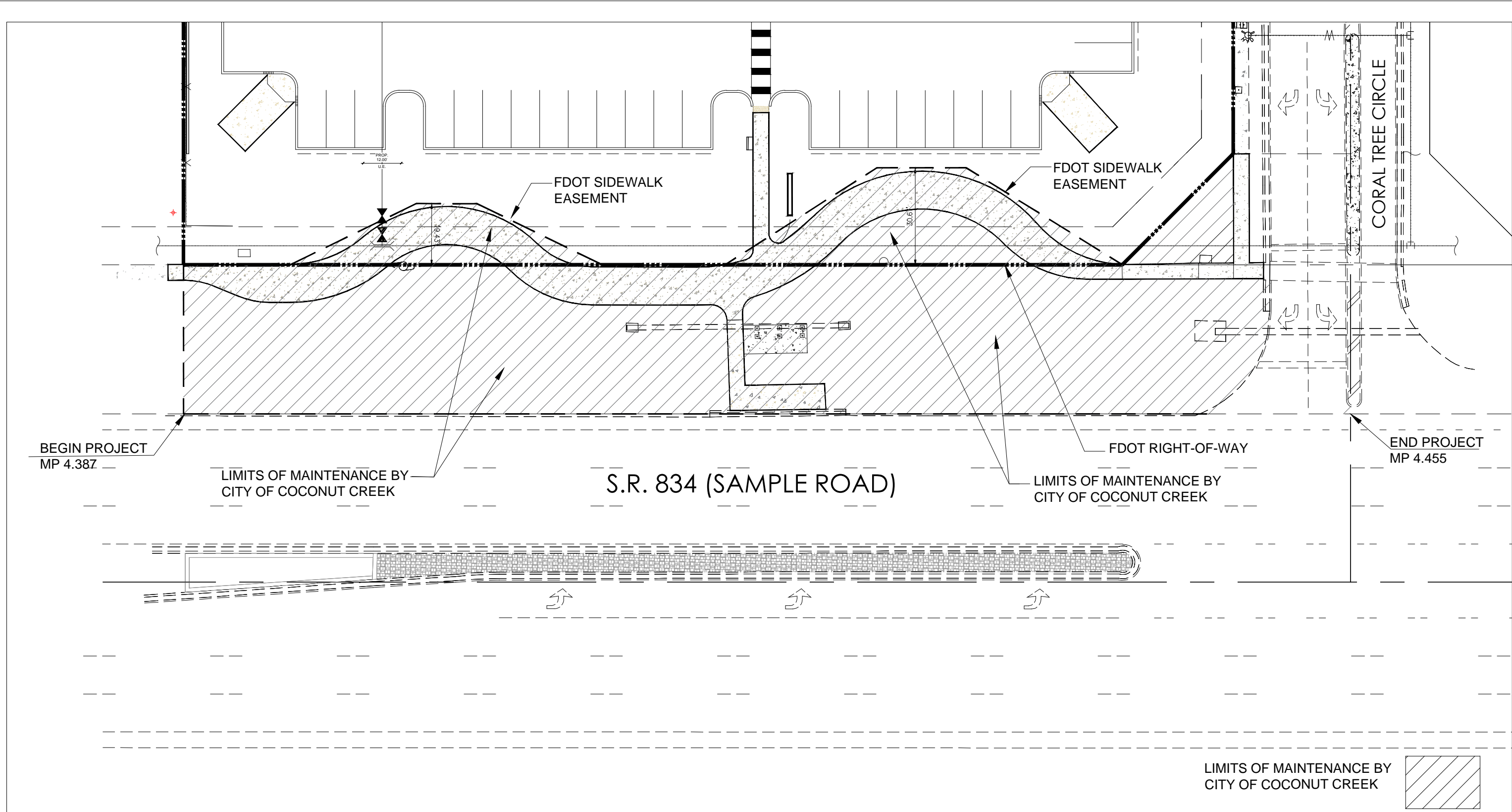
II. LIMITS OF LANDSCAPE IMPROVEMENTS FOR AMENDMENT #9 *:

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*

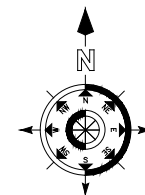
***All other limits of the Original Agreement and Amendments shall apply.**



COCONUT CREEK MAZDA

3757 CORAL TREE CIRCLE
COCONUT CREEK, FLORIDA 33073

FDOT - SR 834 & SIDEWALK EASEMENT



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

Graphic Scale in Feet



SCALE = 1" = 200'

LANDSCAPE IMPROVEMENT
MAINTENANCE BOUNDARY MAP
CITY OF COCONUT CREEK, FLORIDA

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

FDOT REVIEW AREA

IRVING COCONUT CREEK PHASE IV (P.B. 130, PG. 25, B.C.R.) LAND USE: COMMERCIAL ZONING: PUD

Sun-Tech Engineering, Inc. PROJECT CIVIL ENGINEER: 4377 N.W. 11th Road, Suite 102, Sunrise, FL 33351

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

REFER TO SHEET LP8 FOR COMPLETE OVERALL PLAN SCHEDULE

LEGEND: A - mitigation, B - existing, C - to be removed

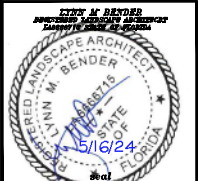
TREE & PALM LEGEND table with columns: SYMBOL, CODE, QTY, BOTANICAL / COMMON NAME. Lists various tree species like Acer, Ficus, and palms.

REVISION table with columns: REVISION, COMMENTS, DATE. Shows revision 1 for FDOT COMMENTS and revision 2 for COA comments.

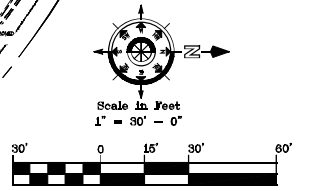
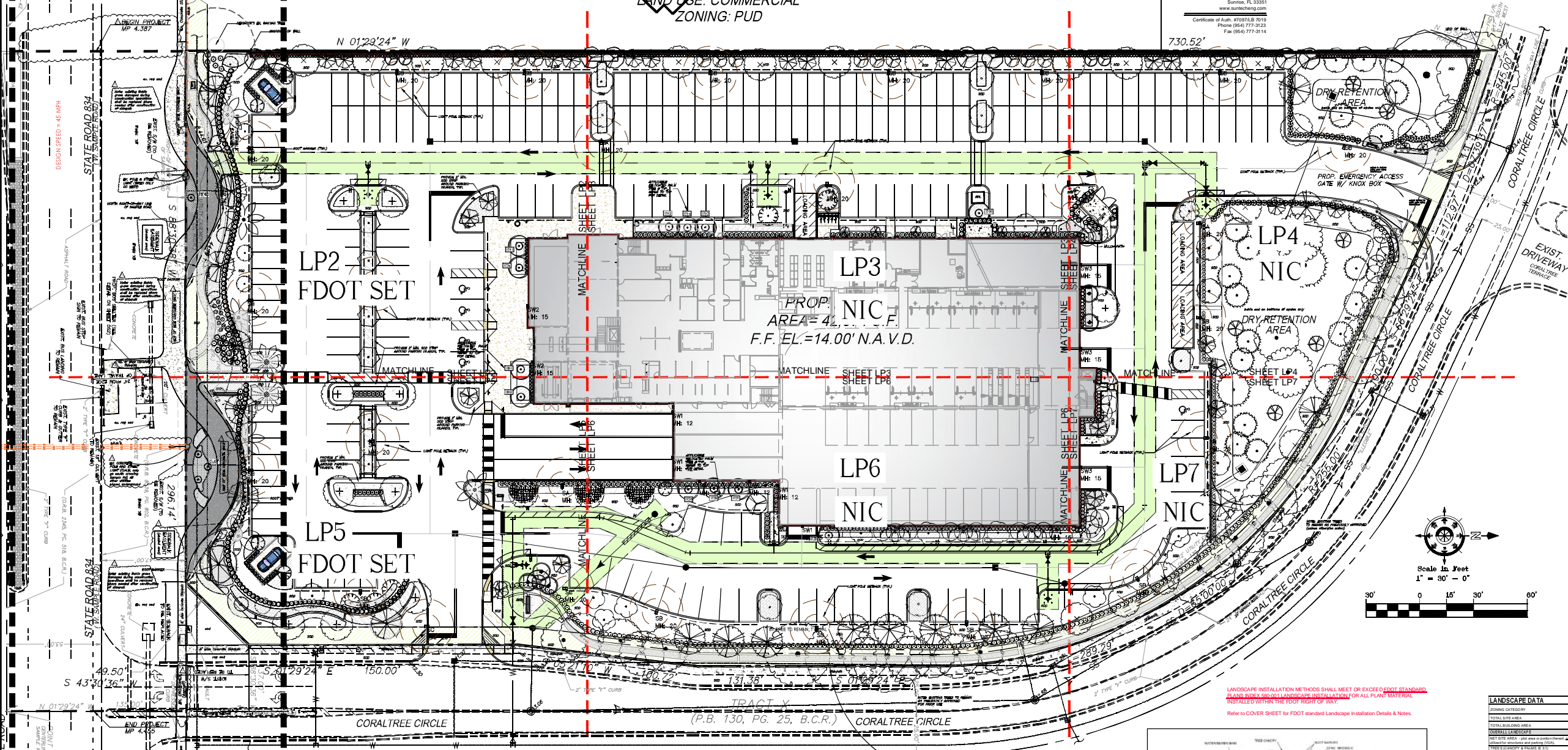
LYNN M. BENDER, Digital Designer, Landscape Architect, LBLA, Inc. 5610 Adair Way, Lake Worth, FL 33467

ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE PROPERTY OF THE LANDSCAPE ARCHITECT... CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS AND NOTIFY ARCHITECT AND ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

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



PROJECT NO: CAD D.L. 20-569 MAZDA LP. DRAWN BY: LMB. CHECKED BY: LMB. SCALE: 1" = 30'-0". DATE: 04-15-2024. SHEET: LP1 1 OF 8 SHEETS



LANDSCAPE INSTALLATION METHODS SHALL MEET OR EXCEED FDOT STANDARDS. PLEASE SEE FDOT STANDARD LANDSCAPE INSTALLATION FOR ALL PLANT MATERIAL INSTALLED WITHIN THE FOOT RIGHT OF WAY. Refer to COVER SHEET for FDOT standard Landscape Installation Details & Notes.

LANDSCAPE DATA table with columns: PER SECTION, REQUIRED, PROVIDED. Includes rows for TOTAL BUILDING AREA, TOTAL LANDSCAPE AREA, and various tree and plant counts.

FDOT REVIEW AREA

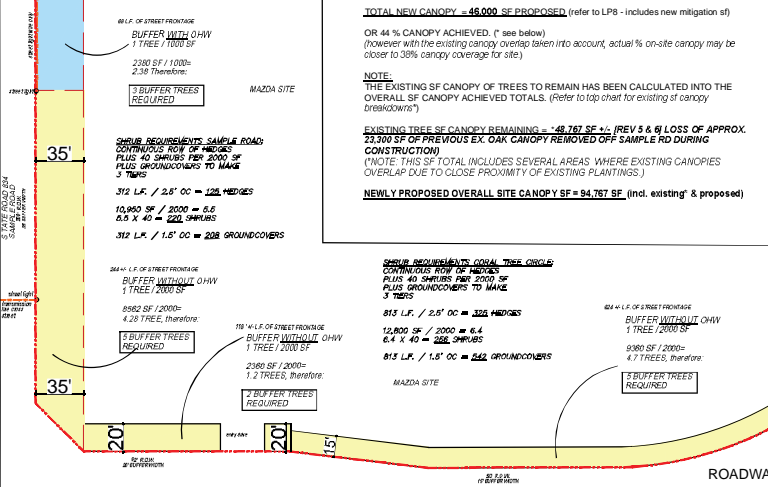
IRRIGATION NOTE: (Water source - EXISTING TO BE MODIFIED) An automatic functioning underground irrigation system with a rain sensing cutoff device shall be in compliance with the South Florida Building Code and city Building Code requirements.

CITY OF COCONUT CREEK STANDARD LANDSCAPE NOTES

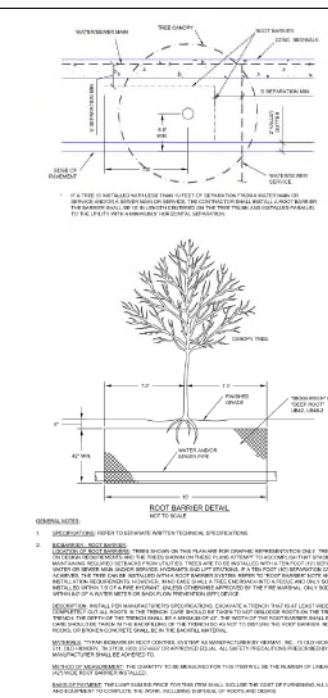
All landscape and specifications shall meet or exceed the minimum requirements as provided in the City of Coconut Creek Land Development Code. All planting material shall meet or exceed Florida Grade #1 as specified in Grades and Standards for Nursery Plants, current edition.

COCONUT CREEK TREE MITIGATION. NO ADDITIONAL MITIGATION TREE SHALL BE REQUIRED ON SITE. BURNING OR MILL OPERATIONS APPROVAL PHASE ONLY REQUIRED CODE TREES ARE ACCOUNTED FOR WITH THIS PROPOSED DEVELOPMENT DUE TO EXISTING CONDITIONS AND LIMITED SITE CONSTRAINTS.

GREEN CITY PLAN - TREE CANOPY ACHIEVED



NOTE: EXISTING TREES TO REMAIN ALONG R.O.W.'S AS PREVIOUSLY APPROVED



LP1 1"=30'-0"

OVERALL LANDSCAPE PLAN - KEY FOR FDOT SR. 834 ONLY

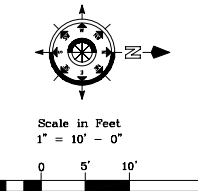
FDOT SET : COVER, LP1, LP2, LP5, & LP8 ONLY

SHEET: LP1

STATE ROAD 834
(W. SAMPLE ROAD)

LP2
1"=10'-0"

LANDSCAPE PLAN : FOR FDOT S.R. 834 ONLY



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
LE-E	13	Quercus laevis 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 Saitleaf
CR	6	Ficus rosea Autograph Tree
CD	9	Coccoloba diversifolia Pigeon Plum
CS10	6	Cordia sebestena Orange Geiger Tree
ED	9	Eriocarpus acicularis Japanese Blueberry Tree
LS	9	Lagerstroemia speciosa Queen's Cape Myrtle
C - SMALL TREE		
CE5	1	Conocarpus erectus 'Sericeus' Silver Buttonwood
EF	13	Eugenia foenicia Spanish Stopper
JAT	9	Jatropha integrifolia Spicy Jatropha
LI	6	Lagerstroemia x Muskogee Cape 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	Rapisia exata 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 Coccoloba
CLU	253	Clusia guiliera Small Leaf Clusia
CLU6	86	Clusia guiliera Small Leaf Clusia
CON	90	Conocarpus erectus Buttonwood
COR	14	Cordia terminalis 'Auntie Lou' Auntie Lou TI Plant
JA	4	Jatropha integrifolia Spicy Jatropha
MYR	152	Myrcianthes fragrans Simpson's Stopper
PRC	51	Philodendron x Rojo Congo Rojo Congo Philodendron
POD	188	Podocarpus macrophyllus Dwarf Pingala
PDD	60	Podocarpus macrophyllus Dwarf Pingala
PSY	53	Psychotria nervosa Wild Coffee
SER	6	Sesuvia 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 'Schilling's Dwarf' Dwarf Schilling's Holly Hedge
IKO	347	Izora taiwanensis Dwarf Izora Pestsy Red
JAS	305	Jasminum multiflorum Downey Jasmine
MUH	162	Muhlenbergia capillaris Pink Muhly Grass
NEP	171	Nepenthes exaltata Boston Fern
PHX	92	Philodendron vanderi Xanadu Philodendron
RHA	128	Rhapidocephala indica Alba White Indian Hawthorn
TRI	183	Schefflera arborescens 'Trenette' Schefflera arborescens
SPA	160	Spartina bakeri Sand Cord Grass
DFK	302	Tropaeum dactyloides Dwarf Fakahatchee
ZAM	235	Zamia floridana Ft. Coonata
GROUND COVERS		
ASP	396	Asparagus densiflorus 'Myers' Myers Asparagus Fern
JUN	664	Juniperus horizontalis Creeeping 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	Stenandrium secundatum 'Florim' Florim St. Augustine Sod

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

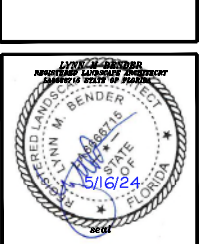
Lynn M Bender
Digitally signed by Lynn M Bender
Date: 2024.05.16 19:44:42 -0400

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

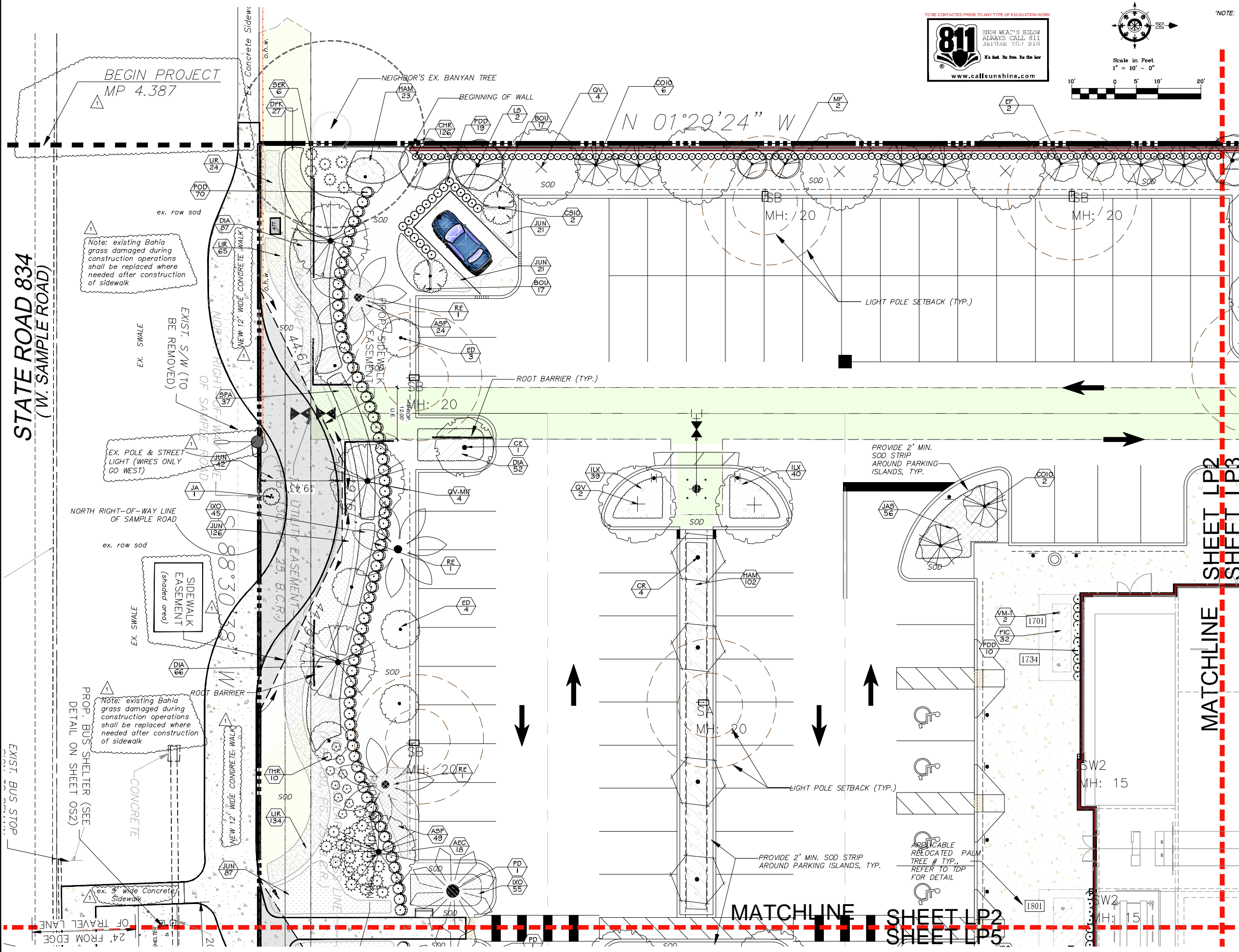


PROJECT NO: 20-569
DRAWN BY: MAZDA LP
CHECKED BY: LMB
SCALE: 1" = 10'-0"
DATE: 04-20-2021

SHEET: LP2
2 OF 8 SHEETS

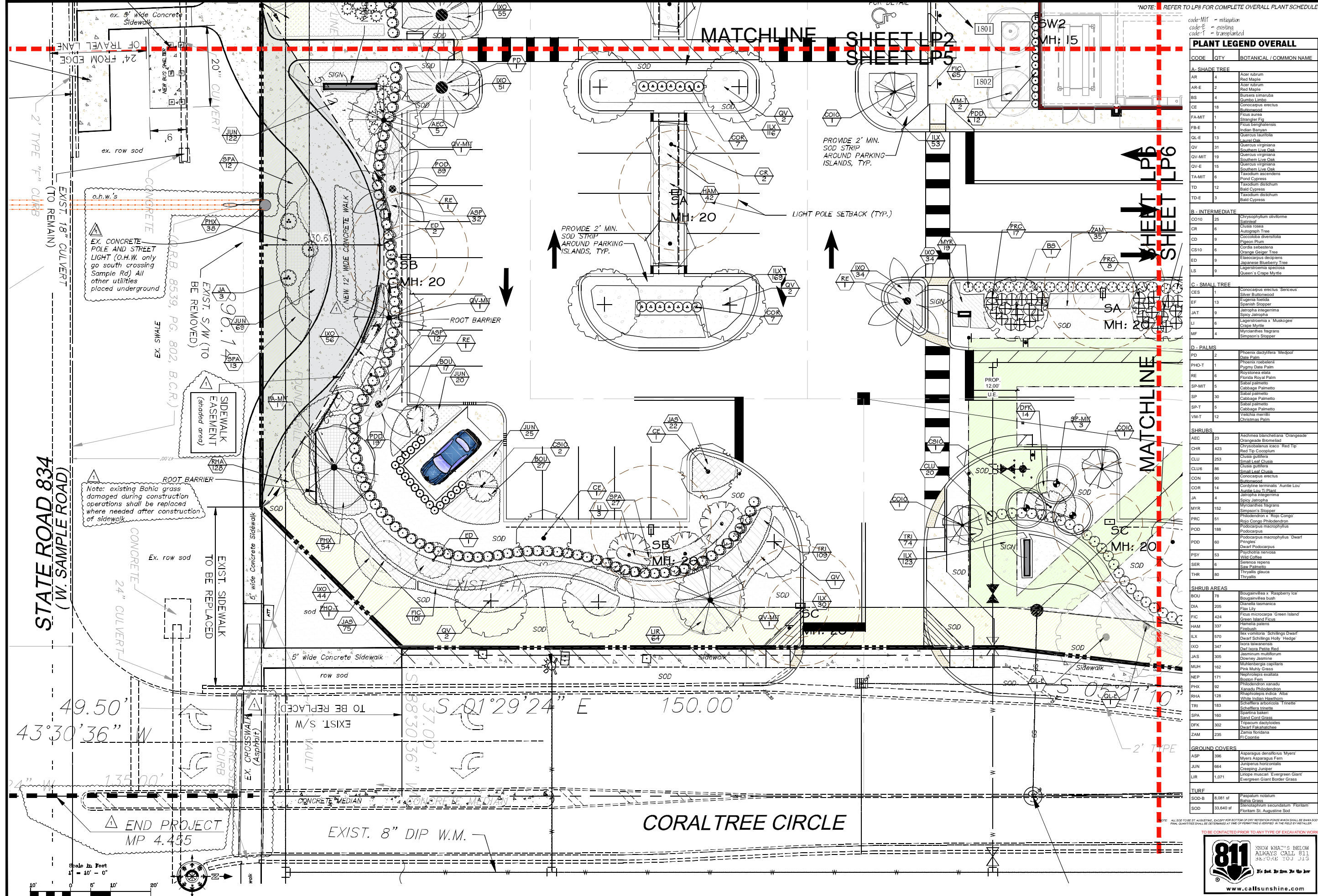
FDOT LANDSCAPE PERMIT # 2024-L-491-00007

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



MATCHLINE SHEET LP2 SHEET LP3

MATCHLINE SHEET LP2 SHEET LP5



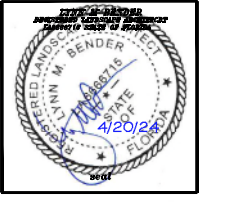
REVISION	DATE
1	FDOT comments 4/17/24
2	COA comments 5/16/24

Lynn M Bender
 Digitally signed by Lynn M Bender
 Date: 2024.05.16 19:45:02 -0400

LBLA, Inc.
 Landscape Architecture
 5610 Adair Way
 Lake Worth, FL 33467
 Phone: 561-644-4337
 lbender.larch@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



PROJECT NO.: 20-569
 CADD LD.: MAZDA LP
 DRAWN BY: LMB
 CHECKED BY: LMB
 SCALE: 1" = 10'-0"
 DATE: 04-20-2021
 SHEET: LP5
 5 OF 8 SHEETS

NOTE: REFER TO LP8 FOR COMPLETE OVERALL PLANT SCHEDULE

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CS10	6	Cordia sebestena Orange Ginger Tree
ED	9	Elaeocarpus decipiens Japanese Blueberry Tree
LS	9	Lagerstromia speciosa Queen's Cape Myrtle
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EF	13	Excoecaria agallocha Spanish Shopper
JAT	9	Jatropha integririma Spicy Jatropha
LI	6	Lagotis linearis Muskogee Crisp Myrtle
MF	4	Myrsine floridana Simpson's Stopper
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NEP	171	Nepenthes exaltata Boston Fern
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DFK	302	Dactyloctenium aegyptium Dandelion
ZAM	235	Zamia floridana Florida Cycad
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JUN	684	Juniperus horizontalis Creeping Juniper
LIR	1,071	Liriodendron muscari Evergreen Giant Evergreen Giant Border Grass
TURF		
SOD-B	8,081 sf	Paspalum notatum Bahua Grass
SOD	33,640 sf	Stenotaphrum secundatum Florim

811
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 www.callsunshine.com

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 17:45:38 -0500
 1745.38 -0500

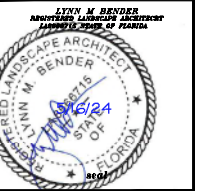
LBLA, Inc.
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 Phone: 561-644-3237
 lbenderlarch@gmail.com
 FL-LA666715

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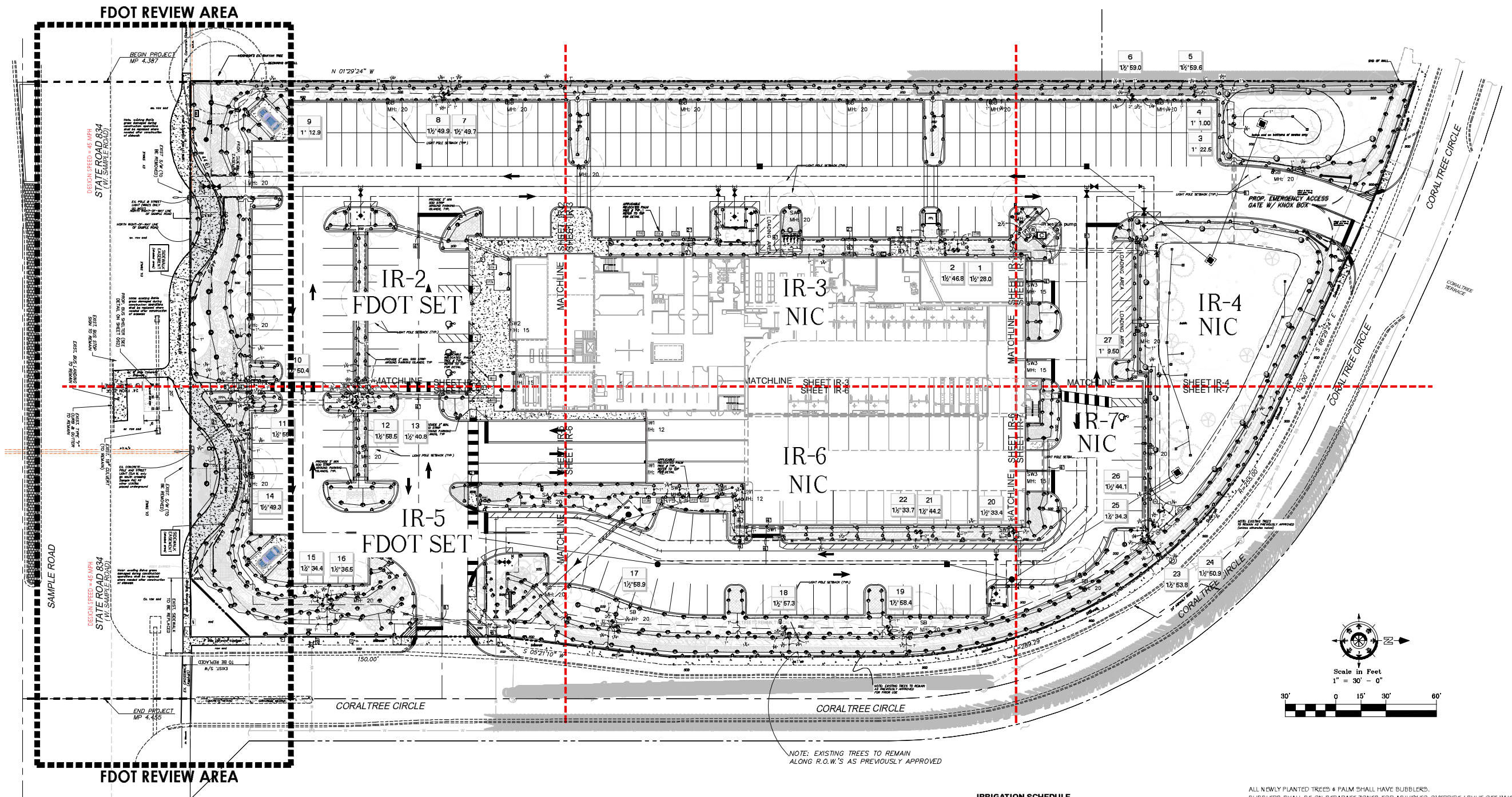
COCONUT CREEK MAZDA
 3757 CORAL TREE CIRCLE
 COCONUT CREEK, FLORIDA 33073

**FDOT - SR 834 & SIDEWALK EASEMENT
 OVERALL IRRIGATION PLAN**



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

SHEET:
IR-1
 1 OF 8 SHEETS



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	5x15'
●	Hunter PROS-04 5' strip spray	37	RCS	30	5x15'
●	Hunter PROS-04 5' strip spray	168	SST	30	5x30'
●	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	5x15'
●	Hunter PROS-12 5' strip spray	30	RCS	30	5x15'
●	Hunter PROS-12 5' strip spray	117	SST	30	5x30'
●	Hunter PROS-12 8' radius	80	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	38"
●	Hunter PGP-ADJ-LA	3	40	24"

SYMBOL	MANUFACTURER/MODEL	QTY
●	Hunter PGM-1010 1"	4
●	Hunter PGM-151 Glade 1-1/2"	23
●	Misto-Noxia 514TX 2 1/2"	3
●	Hunter SC-8000-PL	1
●	Hunter RAIN-CLK	1
●	Pump 5 HP - SURFACE MOUNT 4" WELL - 120 GPM	1

SYMBOL	DESCRIPTION	QTY
—	Irrigation Lateral Line: PVC Class 200 SDR 21 1"	12,024.1'
—	Irrigation Lateral Line: PVC Class 200 SDR 21 1 1/4"	1,386.1'
—	Irrigation Lateral Line: PVC Class 200 SDR 21 1 1/2"	301.21'
—	Irrigation Lateral Line: PVC Class 200 SDR 21 2"	82.71'
—	Irrigation Lateral Line: PVC Class 200 SDR 21 2 1/2"	38.81'
—	Irrigation Mainline: PVC Class 200 SDR 21 2 1/2"	2,098.1'
—	Pipe Sleeve: PVC Schedule 40 2"	122.51'
—	Pipe Sleeve: PVC Schedule 40 4"	217.71'
—	Pipe Sleeve: PVC Schedule 40 6"	183.51'



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

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

TO BE CONTACTED PRIOR TO ANY TYPE OF EXCAVATION WORK

811
 KNOW WHAT'S BELOW
 ALWAYS CALL 811
 BEFORE YOU DIG
 It's fast. It's free. It's the law.
 www.call811.com

IR-1
 1" = 30'-0"
OVERALL IRRIGATION PLAN - KEY

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

Lynn M Bender
 Designer
 signed by
 Lynn M Bender
 Date: 2024.05.16
 19:45:56
 -0400

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

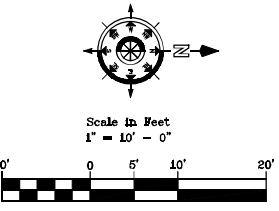
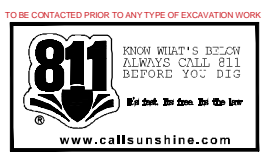
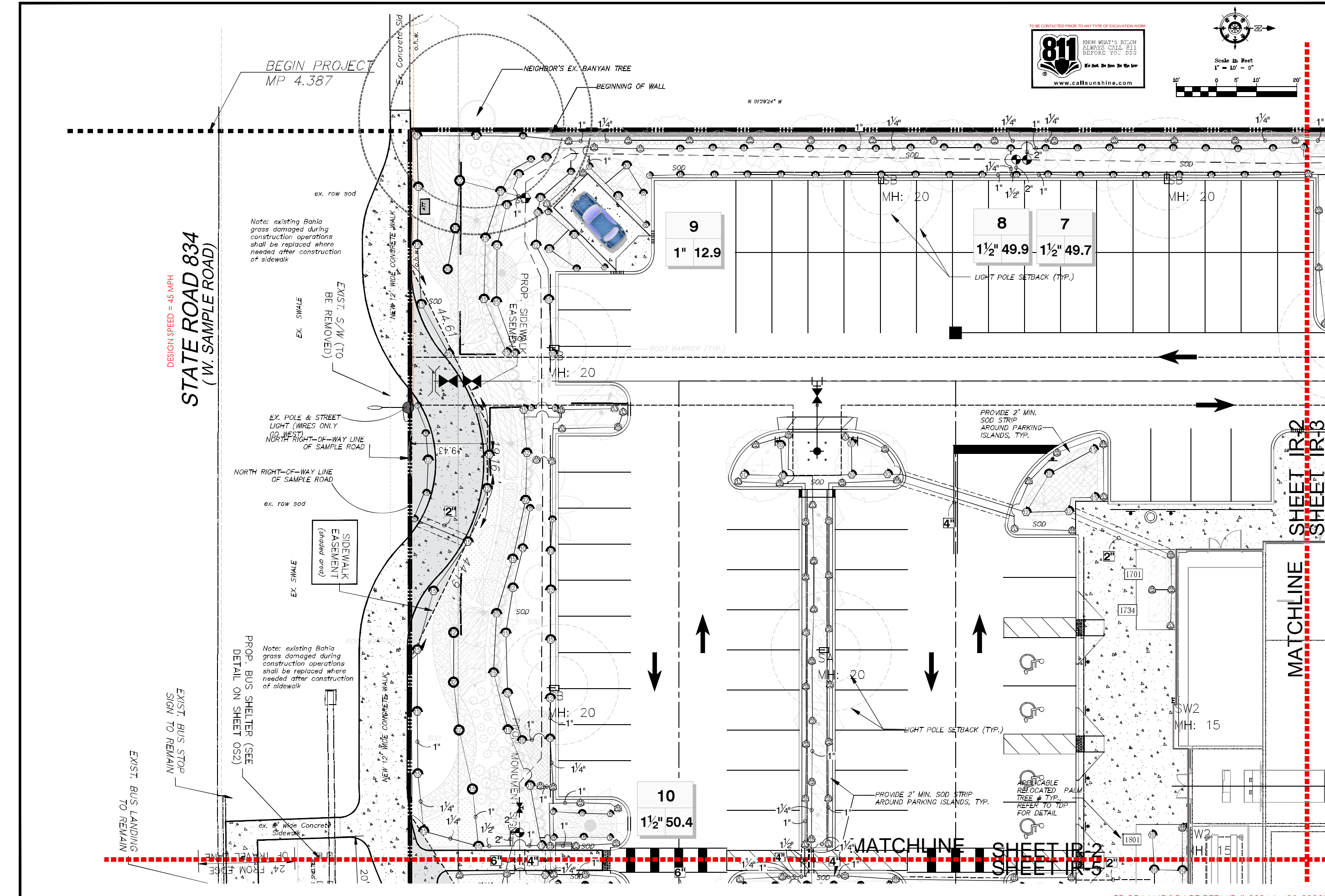
COCONUT CREEK MAZDA
 3757 CORAL TREE CIRCLE
 COCONUT CREEK, FLORIDA 33073

FDOT - SR 834 & SIDEWALK EASEMENT
 IRRIGATION PLAN



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

SHEET:
IR-2
 2 OF 8 SHEETS



DESIGN SPEED = 45 MPH

STATE ROAD 834
 (W. SAMPLE ROAD)

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

EX. POLE & STREET LIGHT (WIRES ONLY OR WEST) NORTH RIGHT-OF-WAY LINE OF SAMPLE ROAD

NORTH RIGHT-OF-WAY LINE OF SAMPLE ROAD

ex. row sod

SIDEWALK EASEMENT (shaded area)

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

PROP. BUS SHELTER (SEE DETAIL ON SHEET OS2)

EXIST. BUS STOP SIGN TO REMAIN

EXIST. BUS LANDING TO REMAIN

9
 1" 12.9

8
 1 1/2" 49.9

7
 1 1/2" 49.7

10
 1 1/2" 50.4

FDOT LANDSCAPE PERMIT # 2024-L-491-00007

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 19:46:17 -0400

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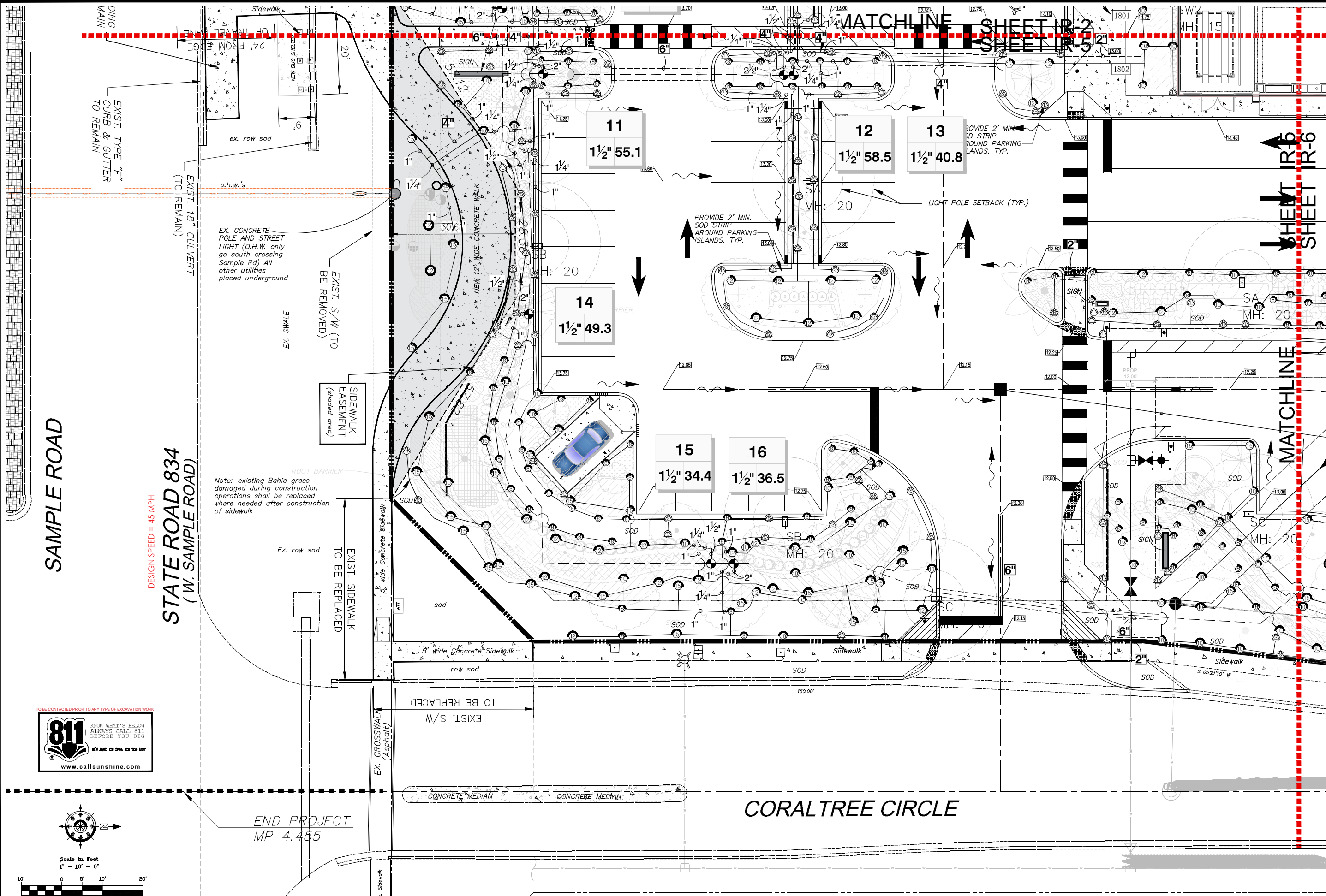
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 CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS AND NOTIFY LA, ARCHITECT AND/OR ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

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



PROJECT NO:	24-569	CADD I.D.	MAZDA LP
DRAWN BY:	LMB	CHECKED BY:	LMB
SCALE:	1" = 10'-0"	DATE:	08-04-2021

SHEET:
IR-5
 5 OF 8 SHEETS



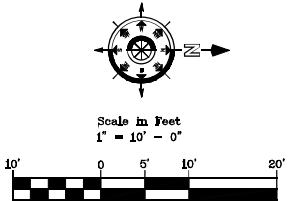
STATE ROAD 834
 (W. SAMPLE ROAD)

DESIGN SPEED = 45 MPH

SAMPLE ROAD

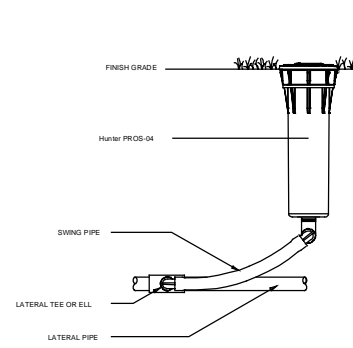
CORAL TREE CIRCLE

END PROJECT
 MP 4.455

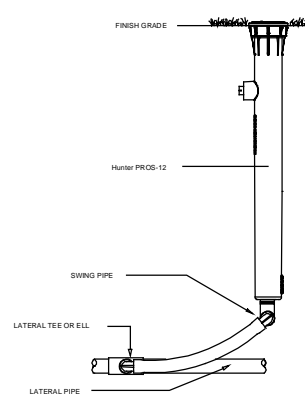


IR-5 IRRIGATION PLAN

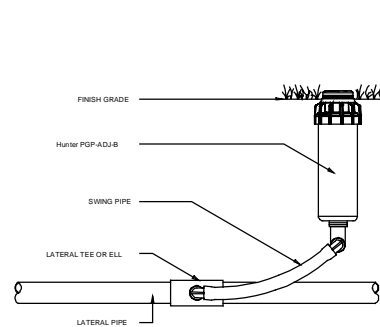
FDOT LANDSCAPE PERMIT # 2024-L-491-00007
 FDOT SET : IR-1, IR-2, IR-5 & IR-8 ONLY



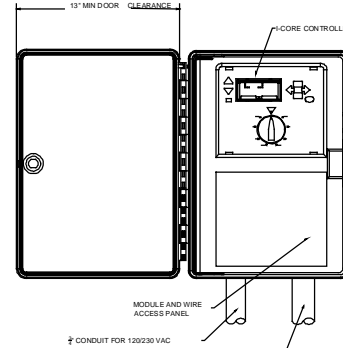
POP-UP SPRAY SPRINKLER



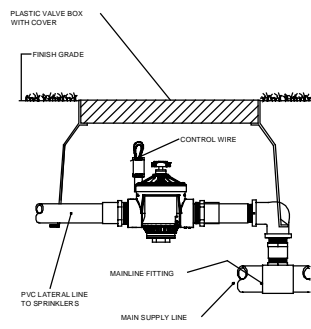
POP-UP SPRAY SPRINKLER



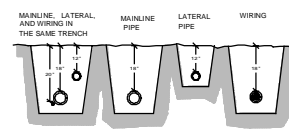
ROTOR



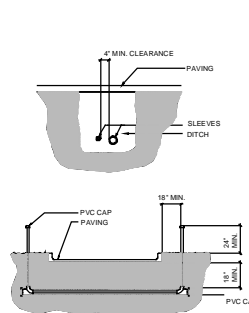
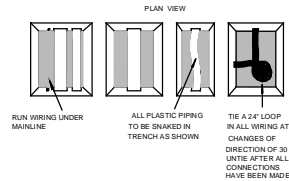
HUNTER I-CORE CONTROLLER



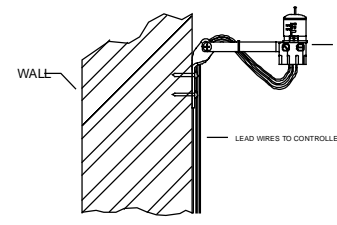
REMOTE CONTROL VALVE



PIPE AND WIRE TRENCH



IRRIGATION SLEEVING



HUNTER RAIN-CLICK RAIN SENSOR



CRITICAL ANALYSIS

Generated:

Pump: 5 HP - SURFACE MOUNT
Water Source Information: 4\"/>

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\"/>

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

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.

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

IRRIGATION SPECIFICATIONS

- 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 SHALL 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.
- 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 RECOMMENDED ABOVE.
- POWER FOR THE IRRIGATION CONTROLLER, PUMP AND OTHER ELECTRICAL COMPONENTS SHALL BE PROVIDED BY OTHER. CONTRACTOR SHALL VERIFY POWER AVAILABLE MEETS THE REQUIREMENTS OF THE COMPONENT'S MANUFACTURER. IF POWER AVAILABLE IS INADQUATE, CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
- 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.
- 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.
- MAINLINE, LATERALS AND CONTROL WIRES SHALL BE INSTALLED INSIDE THE SAME TRENCH WHENEVER POSSIBLE..
- SYSTEM TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
- CONTROLLER SHALL BE GROUNDED PER MANUFACTURER'S SPECIFICATIONS.
- 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.
- ALL FIELD WIRE ABOVE GRADE OR WITHIN STRUCTURE TO BE INSTALLED IN CONDUIT PER LOCAL CODE.
- 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.
- DEPTH OF IRRIGATION PIPING; 18" ON MAINLINE; 12" ON LATERALS.
- SLEEVING UNDER PAVED AREAS SHALL BE INSTALLED AT A DEPTH OF 24".
- ALL NEW TREES AND PALMS SHALL HAVE BUBBLERS

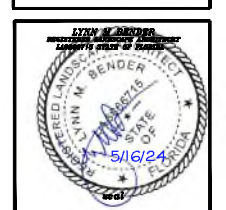
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Lynn M Bender
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Date: 2024.05.16 19:46:34 -0400

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



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

SHEET:
IR-DETAILS
8 OF 8 SHEETS