

EXHIBIT "C"

FDOT GENERAL NOTES

- GOVERNING STANDARD PLANS: Florida Department of Transportation, FY 2023-24 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IR) are available at the following website: <https://www.flDOT.gov/design/standardplans>
- GOVERNING STANDARD SPECIFICATIONS: Florida Department of Transportation, FY 2023-24 Standard Specifications for Road and Bridge Construction at the following website: <https://www.flDOT.gov/programmanagement/implemented/specbooks>
- Contractor shall repair all damage done to FDOT property during demolition, relocation and/or installation activities at its sole expense.
- 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.
- 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 Board Operations Center or stockpiled in those areas as directed by the Department, including asphalt millings.

FDOT PLANTING NOTES

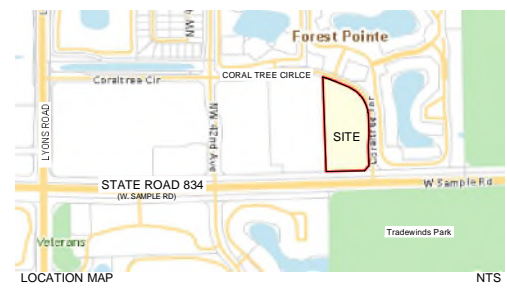
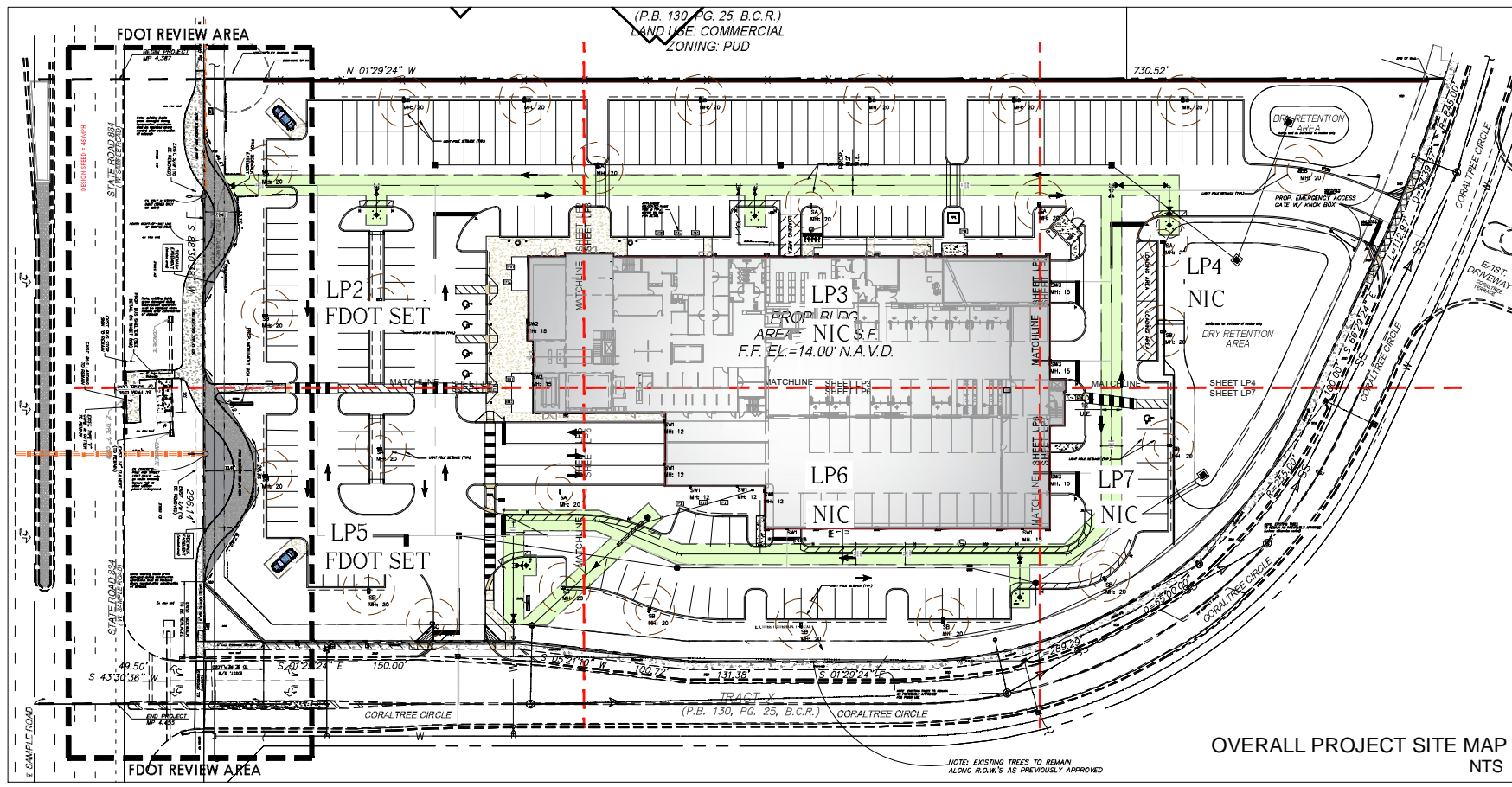
- For the portion of landscape plant material that will be installed within the FDOT Right of Way, landscape installation shall comply with current applicable FDOT Maintenance Specification 580. Online Reference: [asm580000wd-722-117992.pdf](https://www.flDOT.gov/programmanagement/implemented/specbooks) (windows.net)
- 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://www.flDOT.gov/programmanagement/implemented/specbooks>
- 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.
- Sodded areas will be in accordance with Standard Plans Index 570-010 and Standard Specifications Sections 162, 570, 981, 982, 983, 987 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

- 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.
- FDOT requires 24-hour emergency access to the water source.
- 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://www.flDOT.gov/programmanagement/implemented/specbooks>
<https://www.flDOT.gov/programmanagement/implemented/specbooks>



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



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)

- shrubs
- groundcover
- root barrier
- 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.

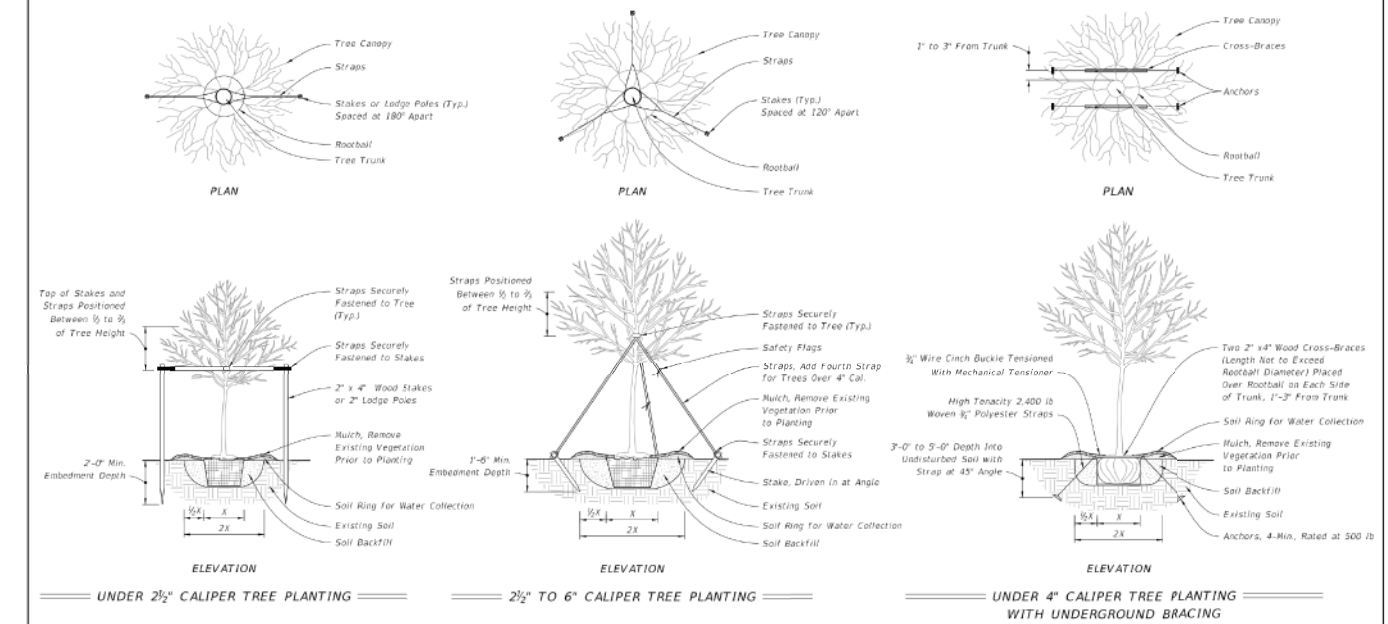
REVISION	DATE	
1	FDOT comments (added cover sheet)	4/17/24
2	COA comments	5/16/24

Lynn M Bender
 Digitally signed by Lynn M Bender
 Date: 2024.05.16 19:38:47 -0400

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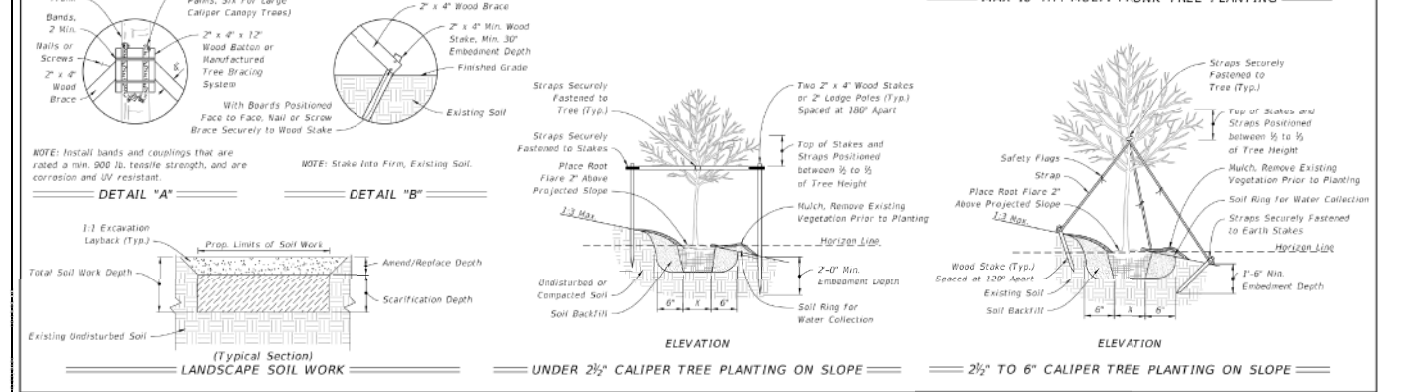
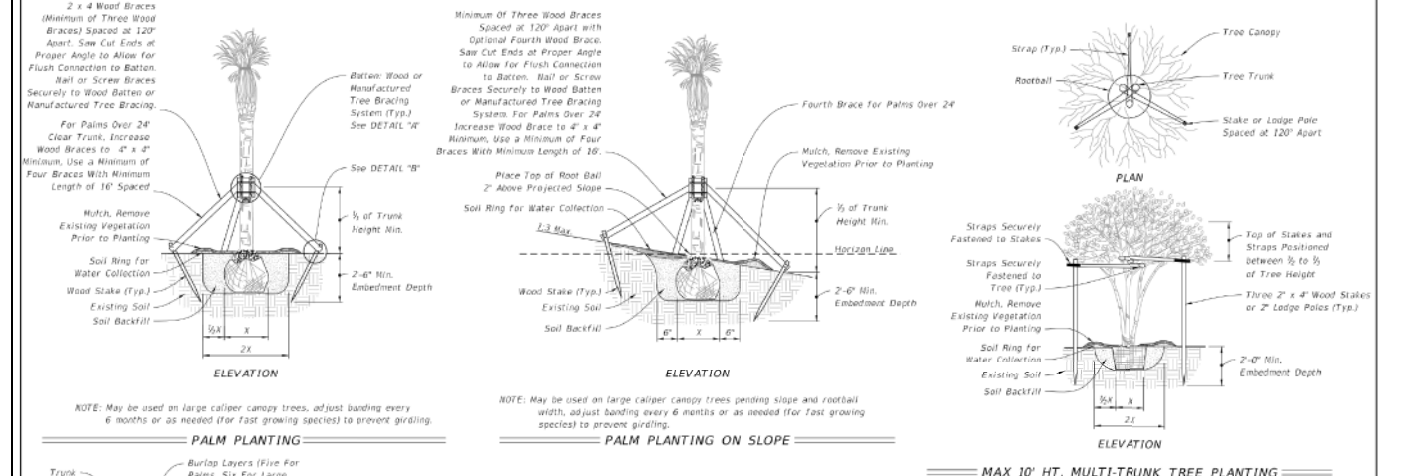
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COCONUT CREEK MAZDA
 3757 CORAL TREE CIRCLE
 COCONUT CREEK, FLORIDA 33073
FDOT - SR 834 & SIDEWALK EASEMENT COVER SHEET & APPLICABLE PERMIT REQUIREMENTS

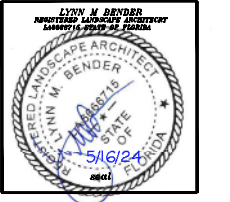


- GENERAL NOTES:**
- Staking guidelines are based on standard horticultural requirements and are provided for plant establishment purposes only. Details are intended to apply when bracing is intended to address safety considerations. When bracing for safety, refer to Designer generated signed and sealed 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.
 - All dimensions 6" and less are exaggerated for illustrative purposes only. Dimensions shown for wood materials are nominal. Slopes shown are vertical/horizontal.
 - 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.
 - 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 setting and set prims to the horizon.
 - Backfill with loosened existing soil or as shown in the plans. Remove rocks, sticks, or other deleterious material greater than 2" 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.
 - Construct soil rings at the outer edge of the planting pit with a height of 2" and gently sloping sides unless a permanent, subsurface or drip irrigation system is provided. Do not pile soil on top of rootball.
 - 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.
 - 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 in the Index.
 - 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.
 - 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.
 - 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	DESCRIPTION: FDOT FY 2022-23 STANDARD PLANS	INDEX: 580-001	SHEET: 1 of 2
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LAST REVISION: 11/01/19	DESCRIPTION: FDOT FY 2022-23 STANDARD PLANS	INDEX: 580-001	SHEET: 2 of 2
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PROJECT NO: 20-569	CADD I.D. MAZDA LP
DRAWN BY: LMB	
CHECKED BY: LMB	
SCALE: N/A	
DATE: 04-17-2024	

FDOT LANDSCAPE & IRRIGATION COVER SHEET

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

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

SHEET: COVER

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

PROJECT CIVIL ENGINEER:
Sun-Tech
 Engineering, Inc.
 4377 N.W. 11th Street, Suite 102
 Sunrise, FL 33351
 www.suntecheng.com
 Certificate of Auth. #019018-B-9019
 Phone (954) 777-2123
 Fax (954) 777-3114

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

REFER TO SHEET LP8 FOR
 COMPLETE OVERALL PLAN
 SCHEDULE

TREE & PALM LEGEND	
SYMBOL	DESCRIPTION
(Symbol)	Azadirachta indica (Neem Tree)
(Symbol)	Acacia saligna (Black Wattle)
(Symbol)	Barringtonia speciosa (Yellow Poinciana)
(Symbol)	Cordia alliodora (Alligator Tree)
(Symbol)	... [Remaining symbols and descriptions follow]

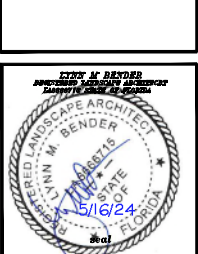
REVISION	DATE
1	FDOT COMMENTS 4/17/24
2	COA comments 5/16/24

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 Date: 2024.05.16 19:43:07 -0400

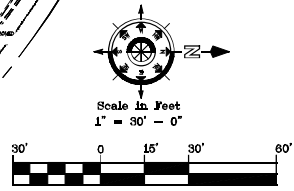
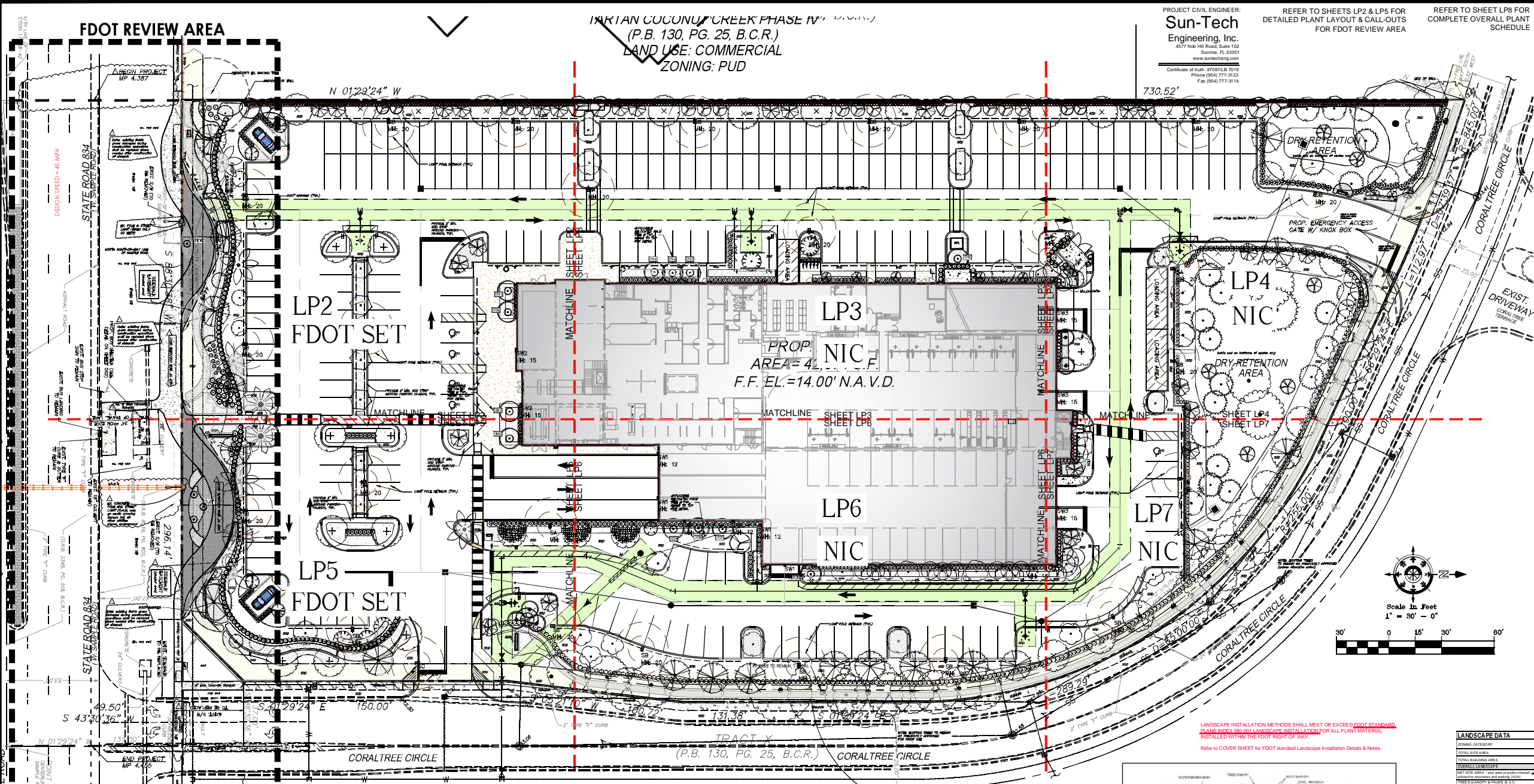
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COCONUT CREEK MAZDA
 3757 CORAL TREE CIRCLE
 COCONUT CREEK, FLORIDA 33073
FDOT - SR 834 & SIDEWALK EASEMENT
OVERALL LANDSCAPE PLAN

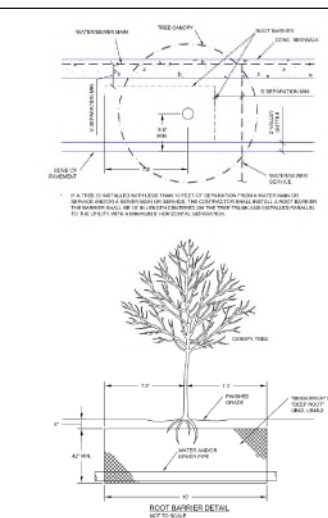


PROJECT NO.: CADD LP. 2024-491-00007
 DRAWN BY: LMB
 CHECKED BY: LMB
 SCALE: 1" = 30'-0"
 DATE: 04-15-2024
 SHEET: **LP1**
 1 OF 8 SHEETS



LANDSCAPE INSTALLATION METHODS SHALL MEET OR EXCEED FDOT STANDARDS. PLANTS SHALL BE INSTALLED WITHIN THE FOOT RIGHT OF WAY. REFER TO COVER SHEET FOR FDOT STANDARD LANDSCAPE INSTALLATION DETAILS & NOTES.

COCONUT CREEK TREE MITIGATION
 NO ADDITIONAL MITIGATION TREE SHALL BE PROPOSED ON THIS BIDDING OR FINAL APPROVAL PHASE. ONLY REQUIRED CODE TREES ARE ACCOUNTED FOR WITH THIS PROPOSED DEVELOPMENT DUE TO EXISTING CONDITIONS AND LIMITED SITE CONSTRAINTS.
NOTE: SOME REQUIRED MITIGATION HAS BEEN ADDED DURING CONSTRUCTION PHASE DUE TO REMOVAL OF ADDITIONAL CANOPY TREE COVER AT THE MITIGATION PROCESS & PROCEEDS WITH THE CITY REVIEW & REVIEW #1.
 REFER TO TREE DISPOSITION CHART AND ATTACHED ARBORIST'S REPORT FOR MITIGATION TOTALS AND VALUATIONS.
 FINAL MITIGATION AMOUNTS SHALL BE DETERMINED BY CITY.



FDOT REVIEW AREA

STANDARD LANDSCAPE NOTES

IRRIGATION NOTE: (Water source - EXISTING TO BE MODIFIED)
 An automatic properly functioning underground irrigation system with a rain sensing cutoff device shall be installed 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 create impervious areas.
 b. No irrigation system shall be installed or maintained about 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 or ditches.

TO BE CONTACTED PRIOR TO ANY TYPE OF EXCAVATION WORK

811 KNOW WHAT'S BELOW
 CALL 811 BEFORE YOU DIG
 www.callsunshine.com

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

GREEN CITY PLAN - TREE CANOPY ACHIEVED
 PROJECT AREA = 217,801 SF
 TOTAL NEW CANOPY = 48,000 SF PROPOSED (refer to LP8 - includes new mitigation if) OR 64% CANOPY ACHIEVED. (see below) (however with the existing canopy overlap taken into account, actual % on-site canopy may be closer to 30% 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 top chart for existing canopy breakdowns)

EXISTING TREE SF CANOPY REMAINING = 48,767 SF +/- (REV 5 & 6) LOSS OF APPROX. 23,700 SF OF PREVIOUS EX. OAK CANOPY REMOVED OFF SIMPLE 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 = 84,767 SF (incl. existing & proposed)

AREA	REQUIREMENTS	REQUIREMENTS CORAL TREE CIRCLE
MAZDA SITE	2780 SF / 100% = 2.78 TREES THEREFORE: 2 BUFFER TREES REQUIRED	815 LF / 2.5' OC = 324 HEDGES 12,800 SF / 2000 = 6.4 6.4 X 40 = 256 SHRUBS 312 LF / 1.5' OC = 208 GROUNDCOVERS
CORAL TREE CIRCLE	8982 SF / 2000 = 4.49 TREES THEREFORE: 3 BUFFER TREES REQUIRED	815 LF / 2.5' OC = 324 HEDGES 12,800 SF / 2000 = 6.4 6.4 X 40 = 256 SHRUBS 8980 SF / 2000 = 4.49 TREES THEREFORE: 3 BUFFER TREES REQUIRED

ROADWAY LANDSCAPE BUFFER DETAIL GRAPHIC
 NTS

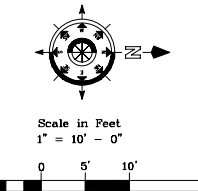
LANDSCAPE DATA	PER SECTION 496	REQUIRED	PROVIDED
TOTAL BUILDING AREA	217,801 SF (100%)		
TOTAL LANDSCAPE	43,744 SF		
TOTAL TREE CANOPY	48,000 SF		
TOTAL SHRUBS & GROUNDCOVERS	48,000 SF		
PERMITS LANDSCAPE BUFFER	750 SF (0.34%)	34 TREES	34 TREES
MAZDA SITE	2780 SF (1.28%)	2.78 TREES	2.78 TREES
CORAL TREE CIRCLE	8982 SF (4.13%)	4.49 TREES	4.49 TREES
ROADWAY LANDSCAPE BUFFER	8980 SF (4.13%)	4.49 TREES	4.49 TREES
FOUNDATION LANDSCAPE	10,000 SF (4.6%)	10 TREES	10 TREES
OTHER LANDSCAPE	48,000 SF (22.0%)	48 TREES	48 TREES
TOTAL REQUIRED TREES		110 TREES	110 TREES

FDOT LANDSCAPE PERMIT # 2024-L-491-00007

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	Elaeagnus argentea Japanese Blueberry Tree
LS	9	Lagerstroemia speciosa Queen's Cape Myrtle
C - SMALL TREE		
CES	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	Rapisorus 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' Orange 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	Disanella tasmatica 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 Traneffe Schefflera
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' Floristam St. Augustine Sod

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

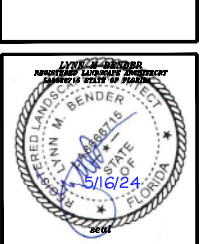
Lynn M Bender
Digitally signed by Lynn M Bender
Date: 2024.05.16 19:44:42 -0400

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

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

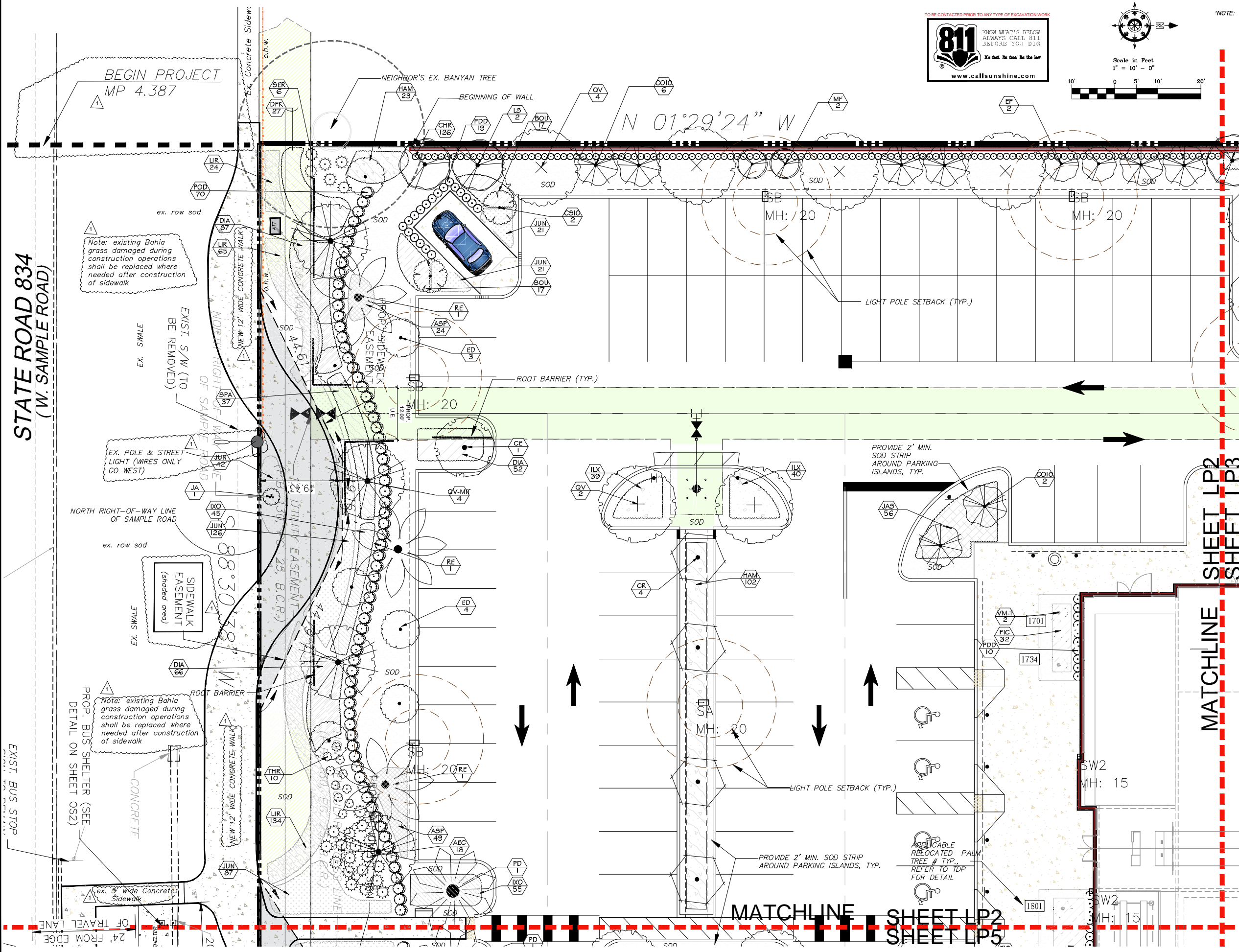


PROJECT NO: 20-569
DRAWN BY: MAZDA LP
CHECKED BY: LMB
SCALE: 1" = 10'-0"
DATE: 04-20-2021

SHEET: LP2
2 OF 8 SHEETS

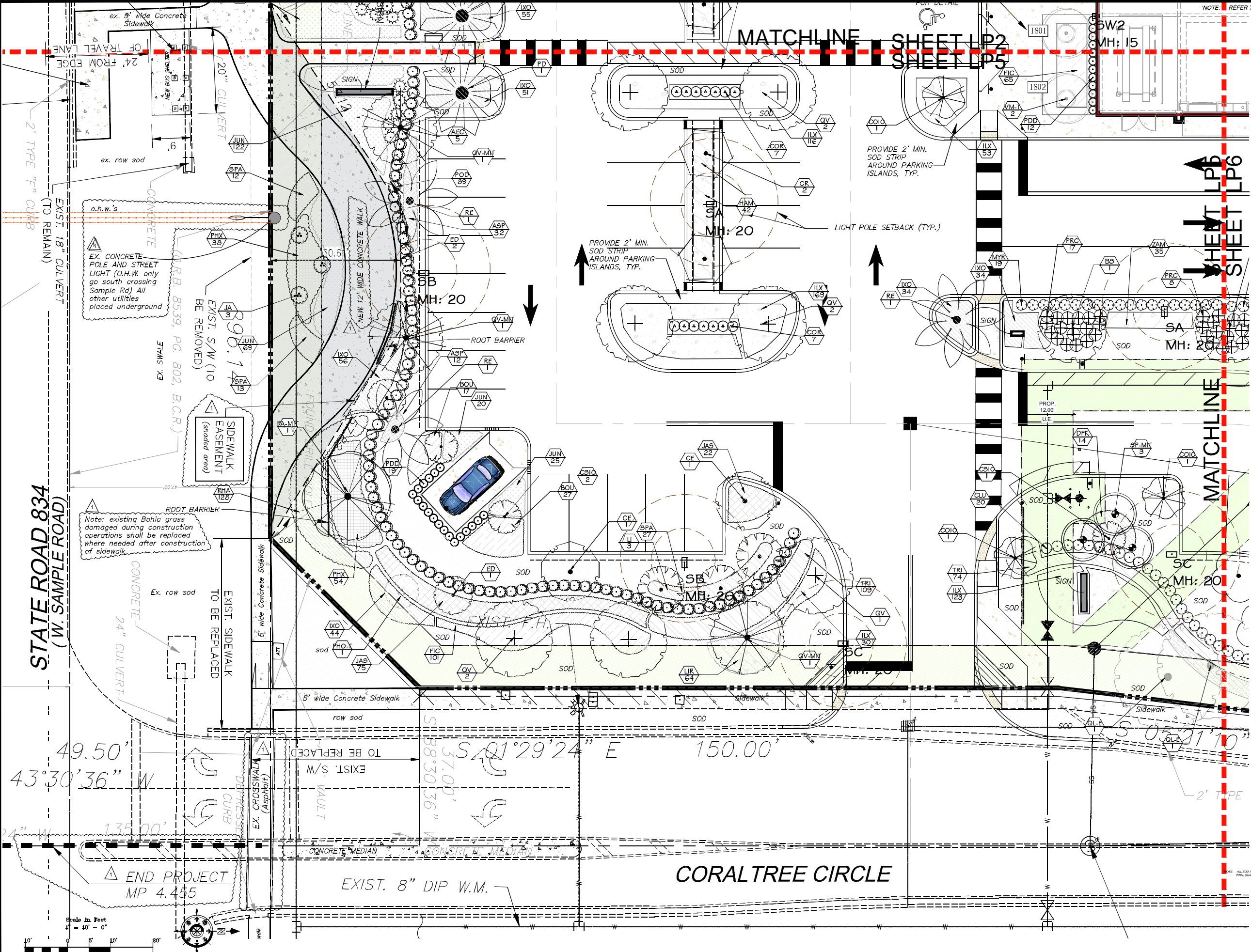
FDOT LANDSCAPE PERMIT # 2024-L-491-00007

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



MATCHLINE SHEET LP2 SHEET LP3

MATCHLINE SHEET LP2 SHEET LP5



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		
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AR-E	2	Acer rubrum Red Maple
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CD	9	Cordia alliodora Pigeon Plum
CS	6	Cordia sebestena Orange Ginger Tree
ED	9	Elaeocarpus decipiens Japanese Blueberry Tree
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EF	13	Eugenia foetida Spanish Shimmer
JAT	9	Jatropha integririma Spicy Jatropha
LI	6	Lagotis linearis Queen's Cape Myrtle
MF	4	Myrsine floridana Simpson's Stopper
D - PALMS		
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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	Washingtonia robusta Christmas Palm
SHRUBS		
AEC	23	Asclepias tuberosa Orangeade Butterfly
CHR	423	Chrysobalanus icaco Red Tip Red Tip Coccoloba
CLU	253	Clusia guilleri Small Leaf Clusia
CLU6	86	Clusia guilleri Small Leaf Clusia
ODN	90	Conocarpus erectus Buttonwood
COR	14	Cordyline terminalis Auntee Lou
JA	4	Jatropha integririma Spicy Jatropha
MYR	152	Myrsine floridana Simpson's Stopper
PRC	51	Philodendron x Rigo Longo
POD	188	Podocarpus macrophyllus Dwarf Podocarpus
PDD	60	Podocarpus macrophyllus Dwarf Podocarpus
PSY	53	Psychotria nervosa Wild Coffee
SER	6	Senecio repens Sea Hibiscus
THR	80	Thryallis glauca Thryallis
SHRUB AREAS		
BOU	78	Bougainvillea x Raspberry Ice
DIA	205	Dioscorea sp. Florida Arrowroot
FIC	424	Ficus microcarpa Green Island
HAM	337	Hamelia patens Scarlet Bush
ILK	570	Impatiens schlingens Dwarf Schlingens Holly Hedge
IXO	347	IXORA sp. Dwarf Ixora
JAS	305	Jasminum multiflorum Doney Jasmine
MUH	162	Muhlenbergia capillaris Pink Muhly Grass
NEP	171	Nepenthes exaltata Boston Fern
PHX	92	Philodendron xanadu Florida Philodendron
RHA	128	Rhipidophora indica Alba White Indian Heartfern
TRI	183	Triplaris sp. Florida Triplaris
SPA	160	Sparganium angustifolium Sparganium
DFK	302	Dactyloctenium aegyptium Dandelion
ZAM	235	Zamia floridana Florida Cycad
GROUND COVERS		
ASP	396	Asparagus densiflorus Myers
JUN	664	Juniperus horizontalis Creeping Juniper
LIR	1,071	Liriodendron sp. Evergreen Giant
TURF		
SOD-B	6,081 sf	Paspalum notatum Bahua Grass
SOD	33,640 sf	Stenotaphrum secundatum Floristam

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

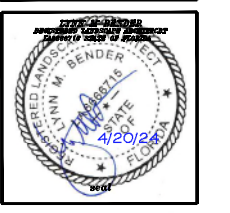
Lynn M Bender
 Digitally signed by Lynn M Bender
 Date: 2024.05.16 19:45:02 -0400

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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 TO CONTRACTOR:

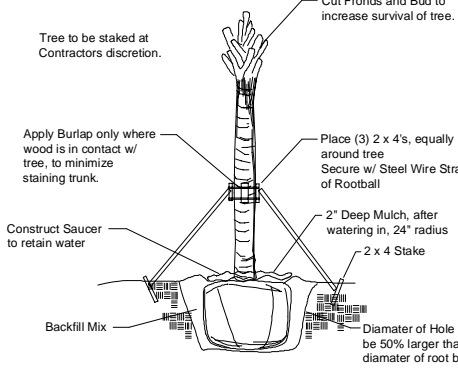
LANDSCAPE INSTALLATION DETAILS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION STANDARD PLANS INDEX 380-30 LANDSCAPE INSTALLATION FOR ALL PLANT MATERIAL INSTALLED WITHIN THE FOOT RIGHT OF WAY.

https://www.floridapsc.com/index.cfm?menu=1&sub=1&tbl=tbl_details&tbl_col=tbl_source&tbl_row=tbl_source&tbl_col=tbl_source&tbl_row=tbl_source

REFER TO SHEET LP1A FOR FDOT STANDARD DETAILS AND SPECIFICATIONS

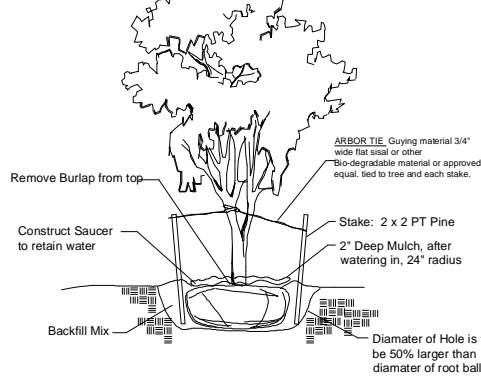
Palm Tree Staking Detail

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\"/>

provide screening on 3 sides as applicable

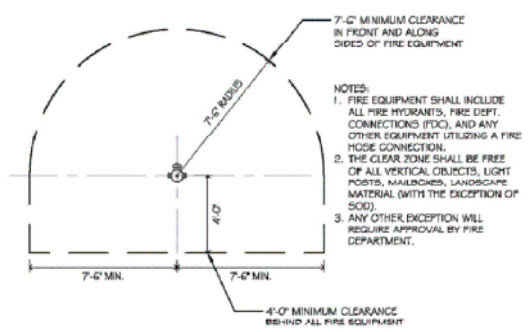
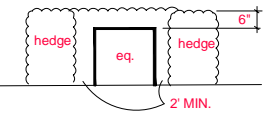


Figure 3. Fire Hydrant Separation Detail

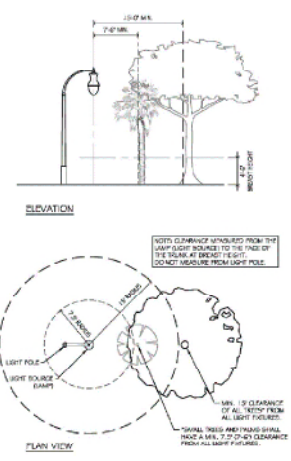
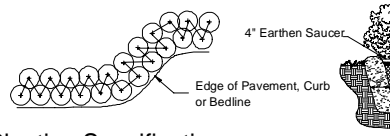


Figure 2. Site Lighting Separation Details

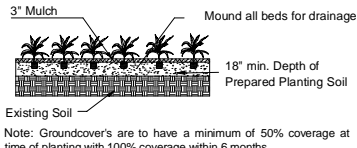
Shrub & Groundcover Planting Detail

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

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



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.

WARRANTY: All trees shall be warranted for a period of 1 year. All shrubs and groundcovers shall be warranted for a period of 90 days, and sod shall be warranted 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 to be planted in permanent positions, but labeled as samples.

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/culverts.

Refer to 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 graded 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 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\"/>

The soil utilized within the parking island areas shall have the lime rock excavated to a depth of 30\"/>

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.

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\"/>

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-Phosphorus-Potassium. Tablet Fertilizer (Agrifon or equal) in 21 gr size, shall meet the following requirements: 20% Nitrogen, 10% Phosphorus, 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.
3 gal.	1/3 lb.
7-15 gal.	1/2 lb.
1\"/>	

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.

FOR ALL TREE PLANTINGS:
Synthetic burlap ball coverings materials shall be completely removed.
Wire baskets shall be cut off to a depth of 1/2 (half) the depth of 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\"/>

Install as per Manufacture specs:
Root Solutions (800)554-0914
Biorbarric (800)257-6687 Or Equal

If any proposed Trees/Palms are adjacent to existing 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.

Final grade of landscape areas shall be at or below the grade of adjacent VMA or public sidewalks, except for rounding 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 penetration to a VMA.

A root barrier system shall be installed in situations where a tree or palm is planted within six (6) feet of underground utilities and landscape 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 SPWMD, 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 system shall be landscaped maintained in working order or not to overlap water zones or to water unnecessary 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.

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 higher 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 LANDSCAPE PERMIT # 2024-L-491-00007
FDOT SET : COVER, LP1, LP2, LP5 & LP8 ONLY

REVISION	DATE
1	FOOT 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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FL-LA6666715

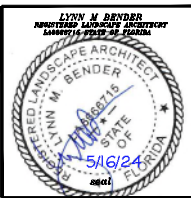
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CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS AND NOTIFY THE ARCHITECT AND/OR ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

COCONUT CREEK MAZDA

3757 CORAL TREE CIRCLE
COCONUT CREEK, FLORIDA 33073

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



PROJECT NO: CADD LP
20-569 MAZDA LD.

DRAWN BY: LMB

CHECKED BY: LMB

SCALE: 1" = 40'-0"

DATE: 01-21-2021

SHEET:

LP8
8 of 8 SHEETS

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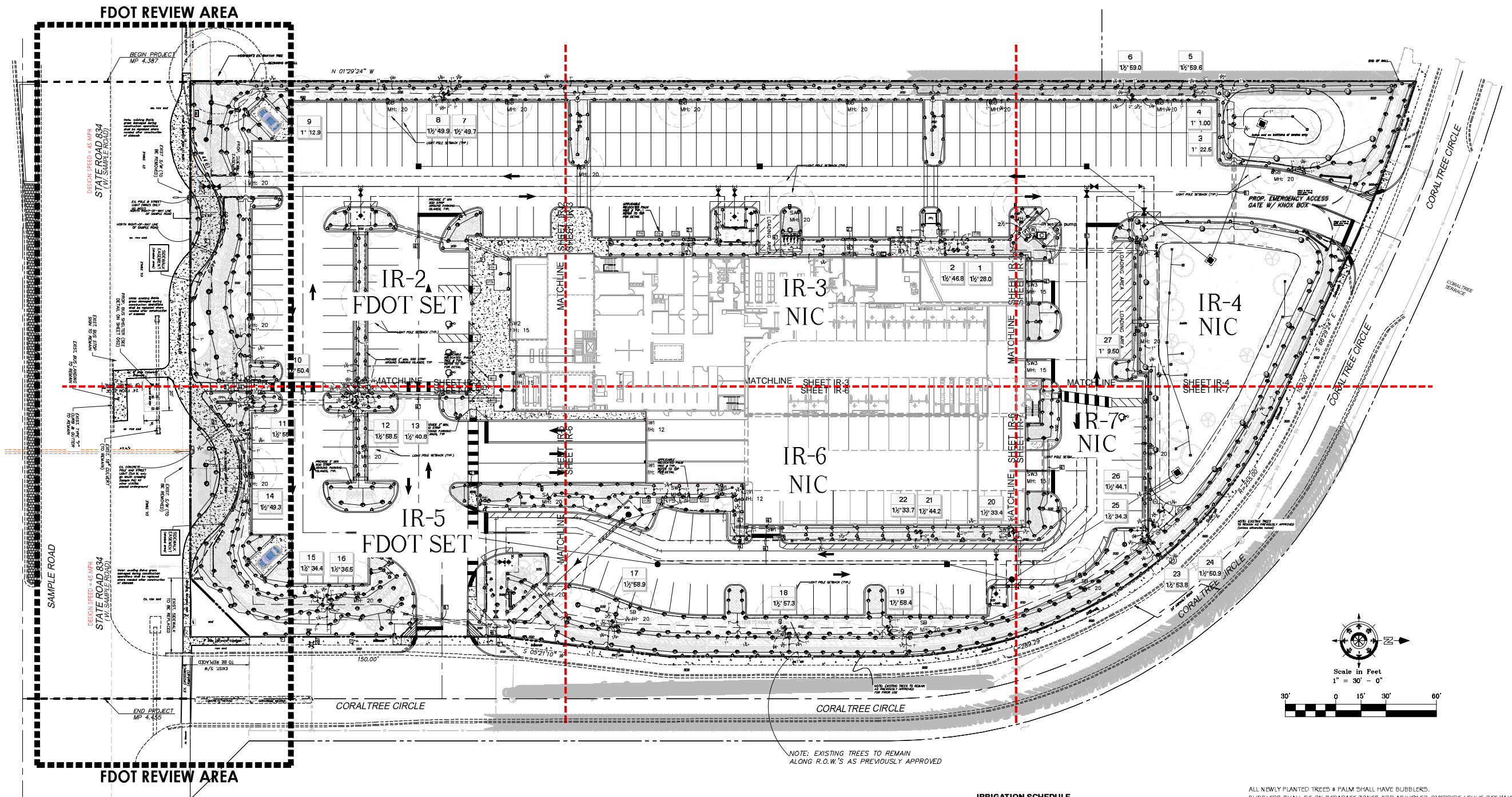
COCONUT CREEK MAZDA
 3757 CORAL TREE CIRCLE
 COCONUT CREEK, FLORIDA 33073

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



PROJECT NO.	COA D.D.
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 Globe 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.

TO BE CONTACTED PRIOR TO ANY TYPE OF EXCAVATION WORK

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

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
 Designer
 2024.05.16
 19:45:56
 -0400'

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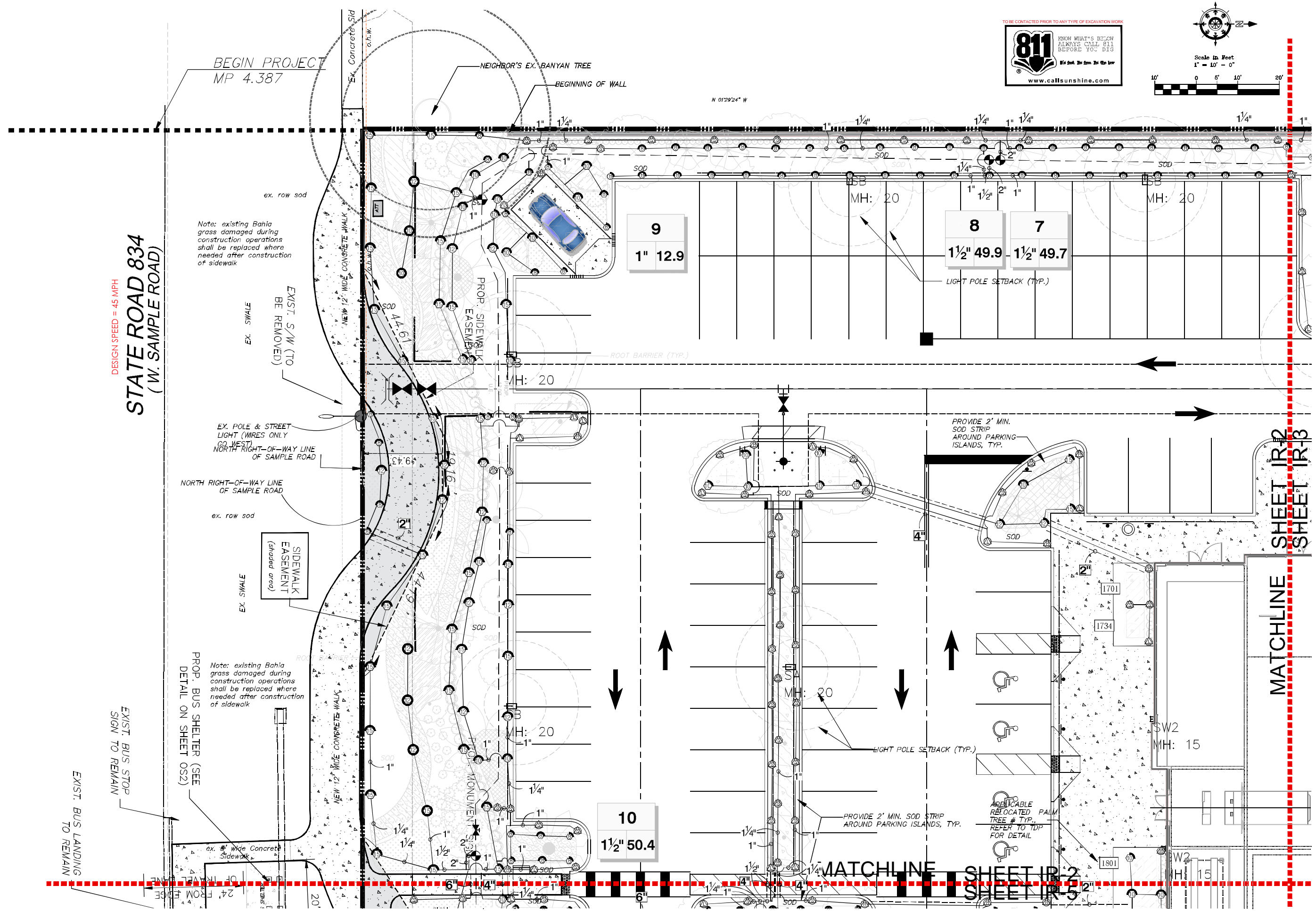
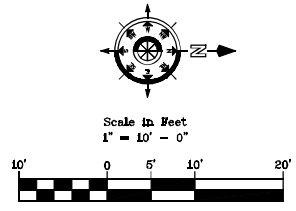
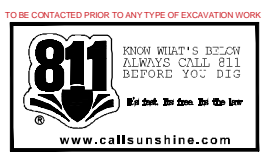
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COCONUT CREEK MAZDA
 3757 CORAL TREE CIRCLE
 COCONUT CREEK, FLORIDA 33073
 FDOT - SR 834 & SIDEWALK EASEMENT
 IRRIGATION PLAN



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



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 19:46:17 -0400



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LbenderLarch@gmail.com
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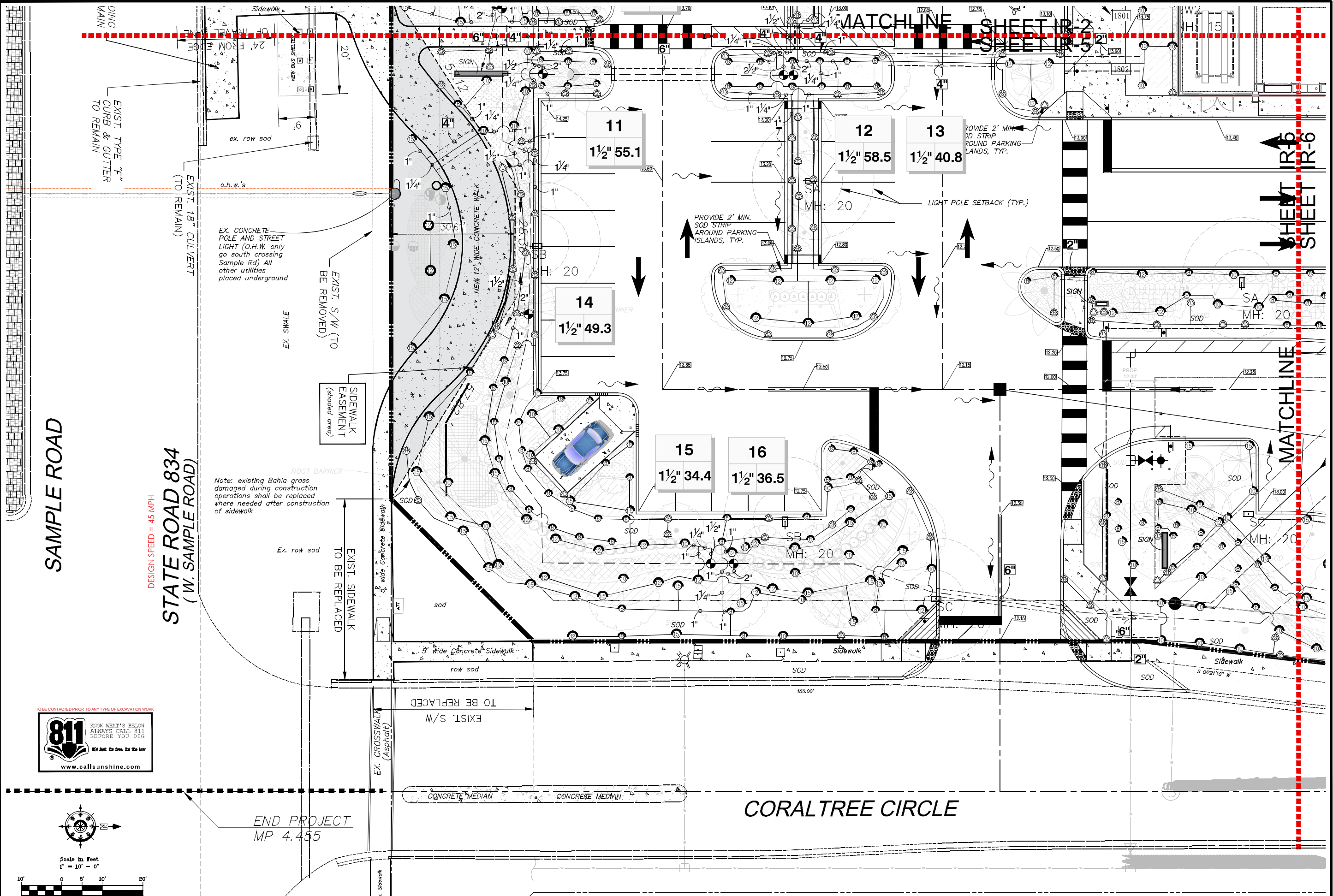
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COCONUT CREEK MAZDA
3757 CORAL TREE CIRCLE
COCONUT CREEK, FLORIDA 33073
FDOT - SR 834 & SIDEWALK EASEMENT
IRRIGATION PLAN



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

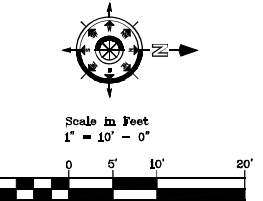
SHEET:
IR-5
5 OF 8 SHEETS



FDOT LANDSCAPE PERMIT # 2024-L-491-00007

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

IR-5 IRRIGATION PLAN



END PROJECT
MP 4.455

DESIGN SPEED = 45 MPH

STATE ROAD 834
(W. SAMPLE ROAD)

SAMPLE ROAD

CORAL TREE CIRCLE

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

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

EXIST. TYPE "F" CURB & GUTTER TO REMAIN

EXIST. 18" CULVERT (TO REMAIN)

EXIST. S/W (TO BE REMOVED)

SIDEWALK EASEMENT (shaded area)

EXIST. S/W TO BE REPLACED

EX. CROSSWALK (Asphalt)

11
1 1/2" 55.1

12
1 1/2" 58.5

13
1 1/2" 40.8

14
1 1/2" 49.3

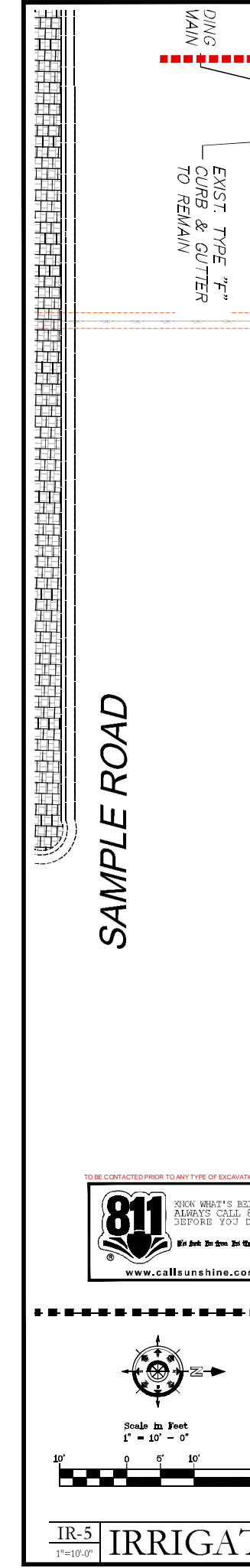
15
1 1/2" 34.4

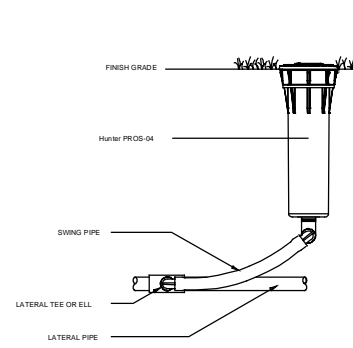
16
1 1/2" 36.5

SHEET IR-6
SHEET IR-6

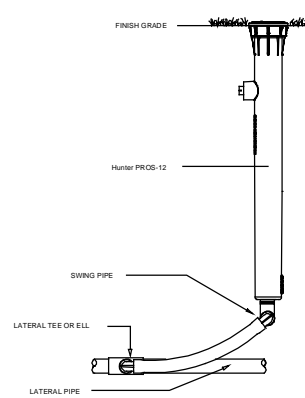
MATCHLINE

MATCHLINE SHEET IR-3

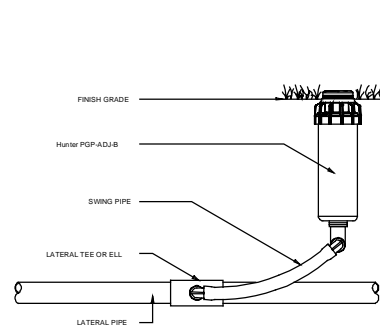




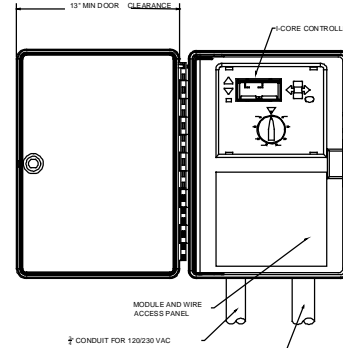
POP-UP SPRAY SPRINKLER



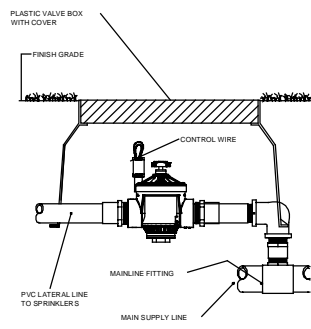
POP-UP SPRAY SPRINKLER



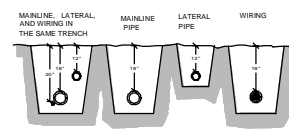
ROTOR



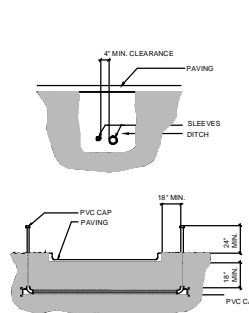
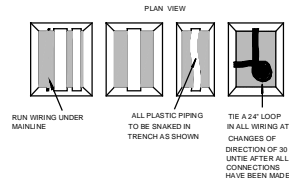
HUNTER I-CORE CONTROLLER



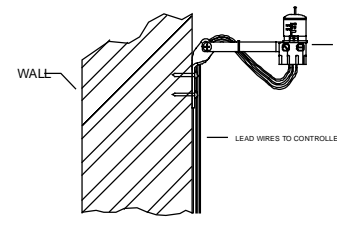
REMOTE CONTROL VALVE



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"
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

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

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

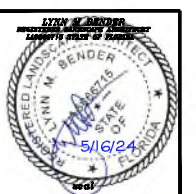
Lynn M Bender
Digitally signed by
Lynn M Bender
Date: 2024.05.16
19:46:34 -0400



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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
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