STATE RD: 810

PERMIT: 2023-L-491-00007

AMENDMENT NUMBER TEN (10) TO FLORIDA DEPARTMENT OF TRANSPORTATION DISTRICT FOUR (4) LANDSCAPE INCLUSIVE MAINTENANCE MEMORANDUM OF AGREEMENT

THIS AMENDMENT Number Ten (10) to the Agreement dated May 27, 2009, made and
entered into this day of 20 by and between the 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.
WITNESSETH
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 810 (W. Hillsboro Boulevard); and,
WHEREAS, the DEPARTMENT and the AGENCY have agreed to add additional landscape on State Road 810 (W. Hillsboro Boulevard) in accordance with the Original Agreement; and,
WHEREAS , the parties hereto mutually recognize the need for entering into this Amendment, designating and setting forth the responsibilities of each party for the Additional Improvements; and,
WHEREAS, the AGENCY by Resolution No dated, 20 attached hereto and by this reference made a part hereof, desires to enter into this Agreement and authorizes its officers to do so,
NOW THEREFORE , for and in consideration of mutual benefits that flow each to the other, the parties covenant and agree as follows:
1. The parties herein agree to modify the Original Agreement accordingly:
 The following sentence is added to the end of section 3.A. MAINTENANCE OF FACILITIES:

maintained improvements.

The AGENCY shall be responsible for all maintenance and repairs to FDOT sidewalks directly attributable to tree roots or other AGENCY

STATE RD: 810

PERMIT: 2023-L-491-00007

b. The following section is hereby added:

20. DEPARTMENT ACCESS TO FACILITIES

The DEPARTMENT will periodically need access to various features within the limits of this Agreement. Upon request of the DEPARTMENT, the AGENCY will have 14 calendar days to provide access to the items noted by the DEPARTMENT. This may require temporary or permanent removal of improvements such as hardscape, landscape or other items conflicting with the items to which the Department needs access.

Should the AGENCY fail to remove or relocate items as requested, the Department may:

- (a) Remove conflicting improvements or any portion thereof.
- (b) Restore the area with any material meeting Department standards.
- (c) Restore the improvements at the request and funding of the AGENCY.
- Pursuant to Page 7, Section 8 of the Original Agreement, the DEPARTMENT will allow an Adjacent Property Owner to construct additional landscape improvements or to modify an improvement located as indicated in **Exhibit "A"**, State Road 810 (Hillsboro Boulevard) from M.P. 1.338 to M.P. 1.379.
- 3. The Additional Improvements, more fully described in the plans attached to this Amendment as Exhibit "B" and incorporated into the Original Agreement, will include the following non-standard items: groundcover, shrubs and irrigation, a bicycle rack, and curved concrete sidewalks. The Additional Improvements shall be installed in accordance with the plans outlined in Exhibit "B".
- 4. The AGENCY agrees to maintain the Additional Improvements in accordance with Part I of **Exhibit "C"** Maintenance Plan for Landscape Improvements, of the Original Agreement, and in compliance with:

SPECIFIC PROJECT SITE MAINTENANCE REQUIREMENTS AND RECOMMENDATIONS

All trees are intended to be maintained at mature height and spread.

- LI (Crape Myrtle)
- MF (Simpson Stopper)

STATE RD: 810

PERMIT: 2023-L-491-00007

Remove suckering growth from base and clear trunk areas on single trunked trees on a quarterly basis. Lift canopy only as necessary to provide a clear walking path.

Groundcover and shrubs lateral growth shall be maintained to prevent foliage from growing beyond the limits of the planting areas shown on the plan. Also, maintain a 6" setback from foliage to the back of curb, pavement, and/or sidewalk.

Groundcovers and shrubs shall be maintained at the following vertical heights:

- ARA (Perennial Peanut) between 6"-12" ht.
- CHH (Horizontal Cocoplum) 18" ht.
- ERN (Golden Creeper) between 12"-14" ht.
- GAL (Thryallis) 20" ht
- JUN (Parson's Juniper) between 12"-14" ht.
- LAM (Trailing Lantana) between 12"-14" ht.
- STJ (Native Porterweed) between 12"-14" ht.
- ZAM (Coontie) 20" ht.

No mechanical pruning equipment to be used with the Zamia. Hand pruning to remove dead fronds only.

Inspect monthly to always maintain full ground coverage for groundcovers and shrubs.

Inspect the irrigation system performance on a monthly basis to ensure the system's pressure is providing adequate coverage and clean or replace any irrigation nozzles that are not properly functioning.

Evaluate plant material on a monthly basis for pests and diseases. If required, follow the integrated pest management program established by the Agency to ensure healthy plants.

To avoid slip hazard, keep concrete walkway free of mulch, sand, leaves, etc.

LIST OF EXHIBITS FOR AMENDMENT #10:

Exhibit A - Landscape Improvements Maintenance Boundaries

Exhibit B - Landscape Improvement Plans

Exhibit C - Resolution

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.

STATE RD: 810

PERMIT: 2023-L-491-00007

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

CITY OF COCONUT CREEK	
By: Sheila N. Rose, City Manager	Date:
Attest:	
Joseph J. Kavanagh, City Clerk	(SEAL)
Legal Review:	
Terrill C. Pyburn, City Attorney	
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	
By:	Date:
Attest:	
Alia Channel, Executive Secretary	(SEAL)
Legal Review:	
Demole C. Fidelberg, Office of the Comme	Date:
Pamela G. Eidelberg, Office of the General	ai Counsei

STATE RD: 810

PERMIT: 2023-L-491-00007

EXHIBIT A

LANDSCAPE MAINTENANCE BOUNDARIES

I. ORIGINAL LIMITS OF INCLUSIVE LANDSCAPE MAINTENANCE AGREEMENT FOR State Road 810 (Hillsboro Boulevard):

M.P. 0.000 (East of State Road 7) to M.P. 1.997 (East of State Road 91)

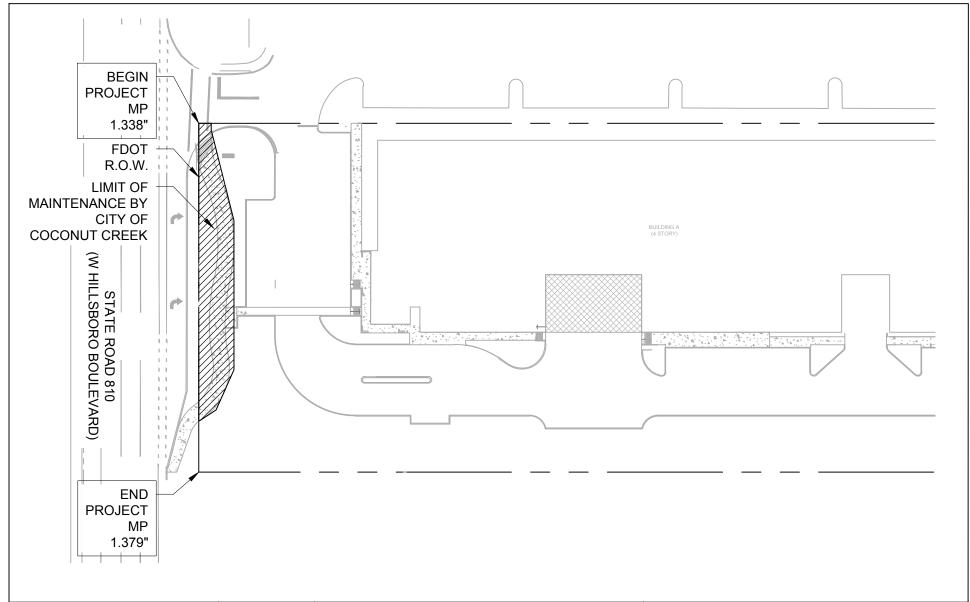
II. LIMITS OF LANDSCAPE IMPROVEMENTS FOR AMENDMENT #10:

State Road 810 (W. Hillsboro Boulevard) from M.P. 1.338 to M.P. 1.379

III. LANDSCAPE IMPROVEMENTS MAINTENANCE RESPONSIBILITIES MAP FOR AMENDMENT #10:

*Please See Attached

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



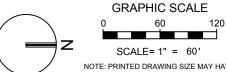


Coconut Creek, FL 33073

Florida Certificate of
Authorization # - 7928

4191 West Hillsboro Blvd.

DATE: 08/07/2023
SCALE: AS NOTED
DRAWN BY: KG
DESIGN BY: MP
CHECKED BY: MP



NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE. LANDSCAPE IMPROVEMENT
MAINTENANCE BOUNDARY MAP
CITY OF COCONUT CREEK

LM-001

FDOT LANDSCAPE PERMIT NO. 2023-L-491-00007

STATE RD: 810

PERMIT: 2023-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: Michael J. Phillips

KEITH

Date: July 6, 2023

REFERENCES (4-27-20)

This reference list is provided as a courtesy. The list may not contain the most current websites. The most current references must be accessed for up-to-date information.

Accessible Sidewalk (ADA) http://www.access-board.gov/guidelines-and-standards/streets-sidewalks

Americans with Disabilities Act (ADA) (ADAAG) http://www.ada.gov/2010ADAstandards_index.htm

American National Standard Institute, ANSI A300, (Part 1) for Tree Care Operations – Trees, Shrub, and Other Woody Plant Maintenance – Standard Practices (Pruning), available for purchase http://webstore.ansi.org

Florida Department of Agriculture and Consumer Services, Division of Plant Industry, *Florida Grades and Standards for Nursery Plants 2015* http://www.freshfromflorida.com/Divisions-Offices/Plant-Industry/Bureaus-and-Services/Bureau-of-Plant-and-Apiary-Inspection

Florida Department of Community Affairs (DCA), Florida Board of Building Codes & Standards, 2017 Florida Building Code, Chapter 11 Florida Accessibility Code for Building Construction Part A http://www.floridabuilding.org/fbc/workgroups/Accessibility Code Workgroup/Documentation/CHAPTER 1 1 w fla specifics.htm

Florida Department of Transportation, *Program Management, Maintenance Specifications Workbook Supplemental Specifications, Section 580 Landscape Installation*http://www.fdot.gov/programmanagement/Maintenance/2019Jan/default.shtm

Florida Department of Transportation, FDOT Standard Plans for Design, Construction, Maintenance and Utility Operations on the State Highway System, Index 580-001 Landscape Installation http://www.fdot.gov/design/standardplans/current/IDx/580-001.pdf

Florida Department of Transportation, FDOT Design Manual for Design, Construction, Maintenance and Utility Operations on the State Highway System, Chapter 212.11 Clear Sight Triangles http://www.fdot.gov/roadway/FDM/current/2018FDM212Intersections.pdf

Florida Department of Transportation, FDOT Design Manual for Design, Construction, Maintenance and Utility Operations on the State Highway System, Chapter 215.2.3 Clear Zone Criteria and 215.2.4 Lateral Offset, Table 215.2.1 Clear Zone Width Requirements, Table 215.2.2 Lateral Offset Criteria (for Trees) http://www.fdot.gov/roadway/FDM/current/2018FDM215RoadsideSafety.pdf

Florida Department of Transportation, FDOT Standard Plans for Design, Construction, Maintenance and Utility Operations on the State Highway System, Index Series 102-600 Traffic Control through Work Zones http://www.fdot.gov/design/standardplans/current/IDx/102-600.pdf

Department of Transportation, Landscape Architecture Website www.MyFloridaBeautiful.com

Florida Department of Transportation, *Maintenance Rating Program Handbook* http://www.dot.state.fl.us/statemaintenanceoffice/MaintRatingProgram.shtm

Florida Department of Transportation Outdoor Advertising Database http://www2.dot.state.fl.us/rightofway/

Florida Exotic Pest Plant Council Invasive Plant Lists http://www.fleppc.org/list/list.htm

Florida Irrigation Society http://www.fisstate.org

Florida Power and Light (FPL), Plant the Right Tree in the Right Place http://www.fpl.com/residential/trees/right tree right place.shtml

PART II.

SPECIFIC PROJECT SITE MAINTENANCE REQUIREMENTS AND RECOMMENDATIONS

The R.L.A. of Record shall formulate specific language as directed above and/or by editing the following <u>optional template</u> below to ensure compliance with the project's maintenance performance requirements and to achieve the "DESIGN INTENT".

<u>DO NOT USE ALL OF THE FOLLOWING OPTIONAL TEMPLATE EXAMPLES</u> if the project is <u>NOT</u> proposing that item within the FDOT right of way.

All trees are intended to be maintained at mature height and spread. LI (Crape Myrtle) MF (Simpson Stopper)

Remove suckering growth from base and clear trunk areas on single trunked trees on a quarterly basis. Lift canopy only as necessary to provide a clear walking path.

Groundcover and shrubs lateral growth shall be maintained to prevent foliage from growing beyond the limits of the planting areas shown on the plan. Also, maintain a 6" setback from foliage to the back of curb, pavement, and/or sidewalk.

Groundcovers and shrubs shall be maintained at the following vertical heights:

ARA (Perennial Peanut) - between 6"-12" ht.

CHH (Horizontal Cocoplum) - 18" ht.

ERN (Golden Creeper) - between 12"-14" ht.

GAL (Thryallis) - 20" ht

JUN (Parson's Juniper) - between 12"-14" ht.

LAM (Trailing Lantana) - between 12"-14" ht.

STJ (Native Porterweed) – between 12"-14" ht.

ZAM (Coontie) - 20" ht.

No mechanical pruning equipment to be used with the Zamia. Hand pruning to remove dead fronds only.

Inspect monthly to always maintain full ground coverage for groundcovers and shrubs.

Inspect the irrigation system performance on a monthly basis to ensure the system's pressure is providing adequate coverage and clean or replace any irrigation nozzles that are not properly functioning.

Evaluate plant material on a monthly basis for pests and diseases. If required, follow the integrated pest management program established by the Agency to ensure healthy plants.

To avoid slip hazard, keep concrete walkway free of mulch, sand, leaves, etc.

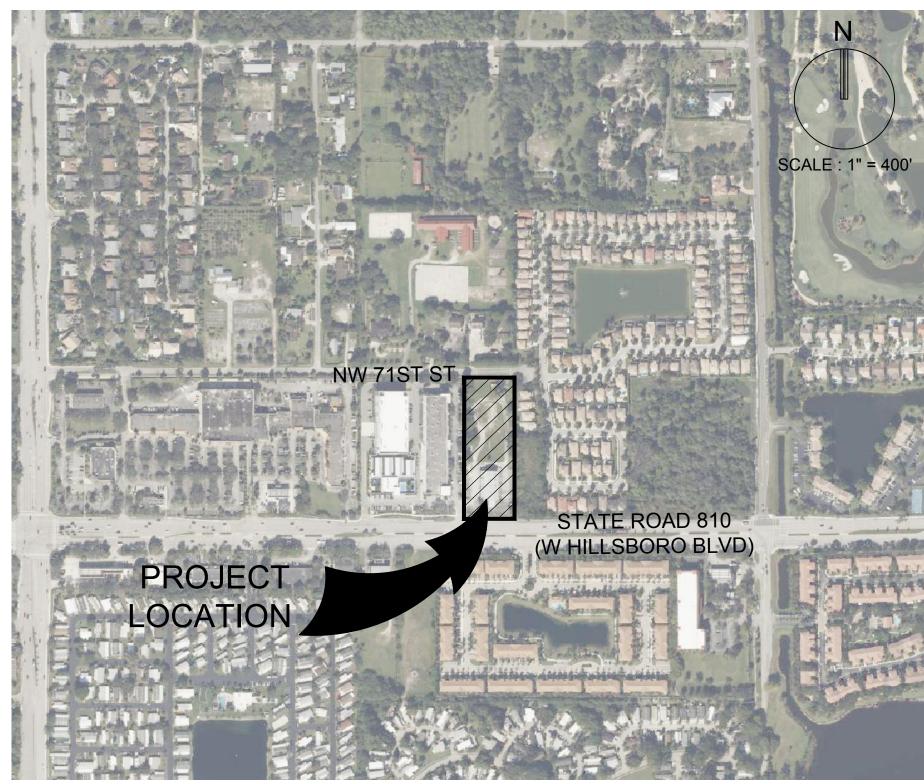


FDOT LANDSCAPE PERMIT

FOR

4161 HILLSBORO STORAGE

4191 W HILLSBORO BLVD. CITY OF COCONUT CREEK BROWARD COUNTY, FLORIDA



LOCATION MAP

FDOT R.O.W. REQUIREMENTS

- DESIGN SPEED: SR-7 (US 441) DESIGN SPEED = 45 MPH
- VERTICAL CLEARANCE: MIN. PLANTING VERTICAL CLEARANCE PER FDOT MAINTENANCE RATING PROGRAM SIDEWALK = 8.5' VERTICAL CLEARANCE ROADWAY = 14.5' VERTICAL CLEARANCE

SHEET No.

LP-101

LI-101

LI-501

INDEX OF SHEETS

LANDSCAPE SCHEDULE & DATA TABLE

FDOT CLEAR SIGHT LINE EXHIBIT

COVER SHEET

TREE DISPOSITION PLAN

LANDSCAPE NOTES

LANDSCAPE PLAN LANDSCAPE DETAILS

IRRIGATION PLAN

IRRIGATION DETAILS

SHEET TITLE

NON-EXCLUSIVE EASEMENT FOR INGRESS AND EGRESS FOR THE BENEFIT OF PARCEL 1 ABOVE CREATED BY, AND BAPTIST CHURCH OF COCONUT CREEK AND LEDER HILLSBORO COMPANY, LTD. RECORDED IN OFFICIAL RECORDS BOOK 32117, PAGE 1578, LESS AND EXCEPT THAT PORTION CONVEYED TO THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION BY THE WARRANTY DEED RECORDED IN OFFICIAL RECORDS BOOK 33445, PAGE 162, ALL OF THE NON-EXCLUSIVE EASEMENT FOR INGRESS AND EGRESS FOR THE BENEFIT OF PARCEL 1 ABOVE CREATED BY, AND

SECTION 5, TOWNSHIP 48 SOUTH, RANGE 42 EAST

THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

LAND DESCRIPTION:

1736 OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA

COUNTY, FLORIDA, LESS AND EXCEPT THAT PORTION LYING WITHIN SAID PARCEL 1

PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.

(PARCEL 1)

(PARCEL 2)

(PARCEL 3)



MORE PARTICULARLY DESCRIBED IN EXHIBIT B OF THE DECLARATION OF RESTRICTIVE COVENANTS FOR PRIVATE PAVED ROADWAYS AND ACCESS BY LEDER HILLSBORO, LTD. AND NEW LIFE COMMUNITY CHURCH OF BROWARD COUNTY, INC. RECORDED IN OFFICIAL RECORDS BOOK 33516, PAGE 122 OF THE PUBLIC RECORDS OF BROWARD

SAID LANDS LYING IN BROWARD COUNTY, FLORIDA AND CONTAINING 126,976 SQUARE FEET (2.9150 ACRES) MORE OR

PREPARED FOR: LEDER HILLSBORO OFFICE 4755 TECHNOLOGY WAY, SUITE 203 BOCA RATON, FL 33431



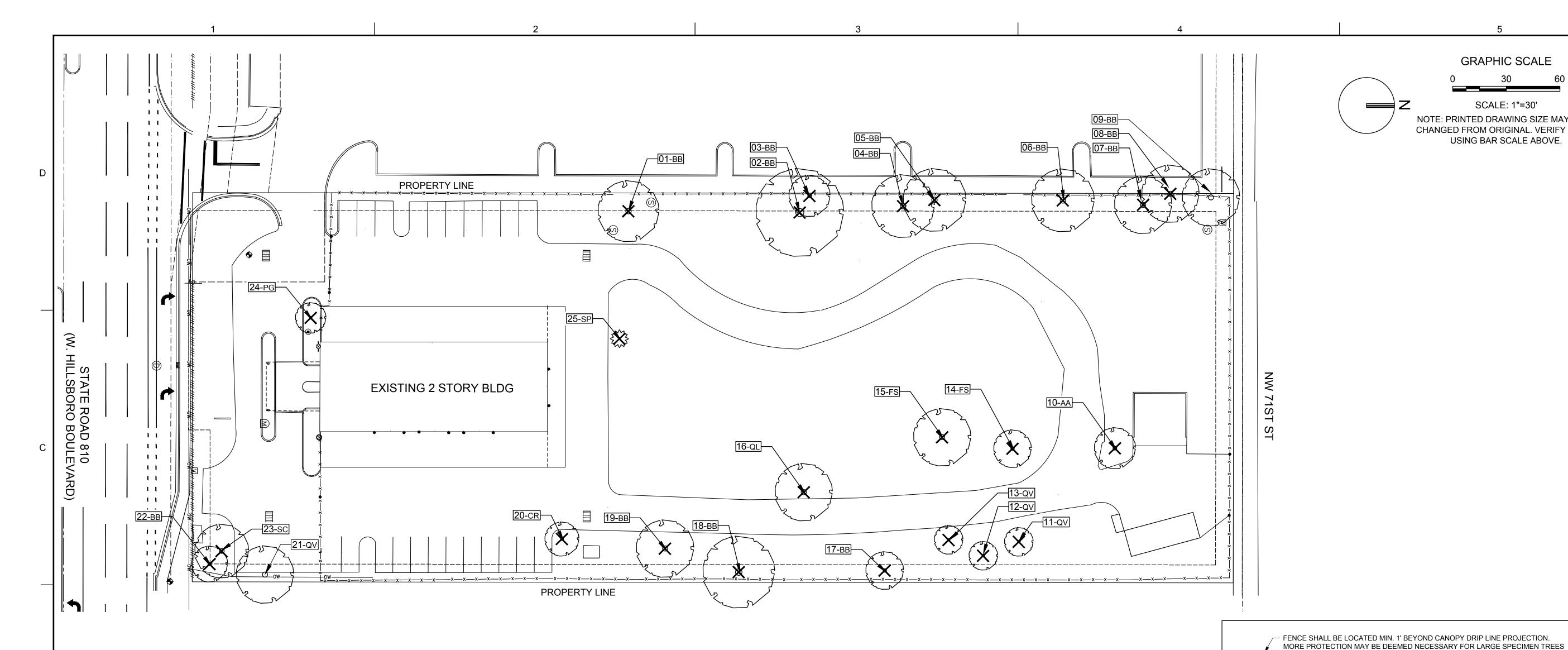
PH: (954) 788-3400

State of Florida Certificate of Authorization Number - 7928

PROJECT No. 09675.01 ISSUE DATE: JULY 2023

MICHAEL J. PHILLIPS, P.L.A. FLORIDA REG. NO. LA0001540

DESIGN SPEED = 45 MPH



COMMENTS

poor branching, inclusions, leaning, storm damag

D. BD, shared canopy, storm damage, dieback

D, BD, shared canopy, storm damage, dieback

D, BD, shared canopy, storm damage, dieback

BD, shared canopy, shaded, storm damage

BD, shared canopy, storm damage, dieback

co-dom, BD, poor branching,severe dieback

TD, BD, shared canopy, shaded, dieback

TD, BD, shared canopy, shaded, dieback

storm damage, top half snapped off

BD, shared canopy, roots/paving

Total S.F. canopy of trees removed

BD, shared canopy, inclusions, poor branching

BD, shared canopy, co-dom, inclusions, poor branching

TD, BD, shared canopy, storm damage

GRAPHIC SCALE

SCALE: 1"=30"

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

301 East Atlantic Boulevard Pompano Beach, Florida 33060-6643 (954) 788-3400

> Miami-Dade County 2160 NW 82 Avenue

> > Doral, Forida 33122

Palm Beach County 120 N Federal Highway, Suite 208 Lake Worth, Florida 33460

> Orange County 2948 E Livingston Street Orlando, Florida 32803

State of Florida Certificate of Authorization Number - 7928

BID / CONTRACT NO.

REVISIONS DESCRIPTION DATE

PRELIMINARY PLAN NOT FOR CONSTRUCTION

THESE PLANS ARE NOT FULLY PERMITTED AND ARE SUBJECT TO REVISIONS MADE DURING THE PERMITTING PROCESS. RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

LEDER 4161 HILLSBORO **STORAGE**

SCALE:	AS NOTED	
DATE ISSUED	07/06/2023	
DRAWN BY:	KG	
DESIGNED BY	: MP	
CHECKED BY	MP, KS	
This item has been digitally signed and sealed by Michael J. Phillips. on the date below using a Digital Signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on an electronic copies.	A OOO 1540 STATE STATE OF CORIDA OF C	
MICHAEL J. PHILLIPS, R.L.A FLORIDA REG. NO. LA0001540 (FOR THE FIRM)		

TREE DISPOSITION

PLAN

LD-101

TREE DISPOSITION LEGEND:

EXISTING TREE/PALM TO REMAIN (NO SYMBOL); TO BE PROTECTED DURING CONSTRUCTION

EXISTING TREE/PALM TO RELOCATE REFER TO LANDSCAPE PLAN FOR NEW LOCATION

EXISTING TREE/PALM TO REMOVE REMOVE ALL CAT 1 INVASIVE EXOTICS (EX: BRAZ. PEPPER)

EXISTING TREE/PALM NUMBER REFER TO TREE DISPOSITION TABLE ON LD-102

TREE DISPOSITION NOTES:

COUNTY TREE TRIMMER.

- EXISTING TREES TO REMAIN SHALL BE TRIMMED PER ANSI-A300 STANDARDS, REMOVING WEAKEST RUBBING BRANCHES AND SHALL HAVE LOWER BRANCHES CLEARED UP TO 8'.
- 2. SYMBOLS MAY BE SHOWN OFFSET FROM ACTUAL TREE LOCATION FOR CLARITY.
- CLARIFICATION ON ANY DISCREPANCIES. 4. TRIMMING AND ANY NECESSARY ROOT PRUNING SHALL BE
- PERFORMED OR SUPERVISED BY A CERTIFIED ARBORIST
- 6. BUBBLERS SHALL BE PROVIDED FOR ALL RELOCATED TREES AND PALMS.
- REMOVAL OF ANY TREES OR PALMS WILL REQUIRE A WRITTEN "TREE REMOVAL PERMIT" FROM THE LOCAL GOVERNING AGENCY PRIOR TO REMOVAL. CONFIRM WITH LOCAL GOVERNING AGENCY THAT TREES CLASSIFIED AS NUISANCE/EXOTIC INVASIVE MAY BE EXEMPT.
- PROTECTED DURING CONSTRUCTION. REFER TO TREE PROTECTION DETAIL. THE CONTRACTOR SHALL TAKE EXTRA

- DEAD BRANCHES, BUT RETAINING 80% OF FOLIAGE. LARGE TREES
- 3. CONTACT LANDSCAPE ARCHITECT / ISA CERTIFIED ARBORIST FOR
- 5. ALL TREE WORK REQUIRE PERMITTING BY A REGISTERED
- 8. ALL TREES AND PLANT MATERIAL TO REMAIN SHALL BE CAUTION TO PREVENT ANY DAMAGE TO THE TRUNK, ROOT ZONES AND GRADE.

TEMPORARY TREE PROTECTION DETAIL

PER ARBORIST / LANDSCAPE INSPECTOR DIRECTION

OVERALL DIMENSION TO

PROTECT ROOT ZONE

NO VEHICULAR TRAFFIC OR CONSTRUCTION

STORAGE WITHIN PROTECTED AREA

10' MAX (TYP)

10' MAX (TYP)

MIN

PLAN VIEW

EXISTING TREE OR PALM TO REMAIN (PROTECTED DURING CONSTRUCTION)

(PROTECTED DURING CONSTRUCTION)

2" X 4" P.T. OR TERMITE TREATED

2' MINIMUM BELOW GRADE

TERRAIN IS SLOPED

COLLAR TO BE PRESERVED

- EXISTING ROOT ZONE TO BE

TO REMAIN

WOOD POSTS AND FRAME EXTEND

THREE ROWS OF SPLIT RAIL

FENCING (2"x4") TO BE PLACED

AROUND ALL EXISTING TREES

MAINTAIN POSTS VERTICAL IF

EXISTING GRADE MEETING ROOT

- POSTS TO BE DRIVEN INTO GROUND

AVOIDING PRIMARY HORIZONTAL

2" X 4" P.T. OR TERMITE TREATED

REBAR IN ASPHALT AREAS OR AS

REQUIRED

DRIP LINE

WOOD POSTS AND FRAME. USE #3

- EXISTING TREE OR PALM TO REMAIN

(PROTECT DURING CONSTRUCTION)

THREE ROWS OF SPLIT RAIL FENCING

(2"x4") TO BE PLACED AROUND ALL

CONSTRUCTION STORAGE WITHIN

NOT TO SCALE

EXISTING TREES TO REMAIN

NO VEHICULAR TRAFFIC OR

PROTECTED AREA

PROJECT NO. 09675.01 DESIGN SPEED = 45 MPH FDOT LANDSCAPE PERMIT NO. 2023-L-491-00007

SHEET NUMBER

SHEET TITLE



Sunshine

Call 811 or www.sunshine811.com two full

business days before digging to have utilities located and marked.

Check positive response codes before you dig!

COMMONNAME

PROJECT NAME: Leder Hillsboro Blvd.

SCIENTIFIC NAME

"Bucida buceras"

"Acacia auriculiformis"

"Quercus virginiana"

"Quercus virginiana"

"Quercus virginiana"

"Ficus spp."

"Ficus spp."

"Quercus laurifolia"

"Bucida buceras"

"Bucida buceras"

"Bucida buceras"

"Clusia rosea"

"Quercus virginiana"

"Bucida buceras"

Syzygium cumini

"Podocarpus gracilior"

"Sabal palmetto"

EQUIVALENT

REPLACEMENT VALUE

(300 SF)

(150 SF)

(100 SF)

(50 SF)

DBH HT. CNPY. TREE %

CONDITION

50

40

25

50

50

60

60

40

40

50

40

30

50

50

PROVIDED

CANOPY

19,800 SF

= 1,350 SF

50 = 5,000 SF

9 = 450 SF

FT. FT.

13 | 30 | 35 |

22 | 35 | 50 |

18 | 35 | 35 |

13 | 30 | 35 |

12 30 35

15 | 30 | 30 |

12 | 30 | 30 |

15 | 30 | 30 |

19 | 30 | 20 |

5 20 12

5 12 8

16 40 30

18 | 30 | 30 |

12 | 20 | 16 |

11 | 20 | 16 |

22 25 25

PROVIDED

QTY:

2,3 12 10 50

15 30 20 30

8,8 30 30 40

9 20 20 20

20 | 40 | 40 | 50

16 | 25 | 30 | 50

| 11 | 18 | 14 | 40

10 20 12 60

14 | 35 | 18 |

TREE

DISPOSITION

REMOVE

REMOVE

REMOVE

REMOVE

REMOVE

REMOVE

REMOVE

REMOVE

REMAIN

REMOVE

REMAIN

CANOPY S.F.

962

1962

254

962

962

962

706

706

706

314

113

79

50

314

706

706

314

1256

706

201

201

N/A

154

113

12,590

lmulti-stem.

TD, BD

D, BD, multi-stem

TD, BD, multi-stem

BD, shared canopy

BD, shared canopy

12,590 SF TOTAL CANOPY LOSS

BD, poor branching, dieback

26,600 SF TOTAL CANOPY REPLACEMENT

co-dom, BD, dieback

TREE DISPOSITION TABLE

PROJECT #: 09675.01

1 BLACK OLIVE

2 BLACK OLIVE

3 BLACK OLIVE

4 BLACK OLIVE

5 BLACK OLIVE

6 BLACK OLIVE

7 BLACK OLIVE

8 BLACK OLIVE

9 BLACK OLIVE

16 LAUREL OAK

17 BLACK OLIVE

18 BLACK OLIVE

19 BLACK OLIVE

20 PITCH APPLE

22 BLACK OLIVE

23 JAMBOLAN PLUM

25 CABBAGE PALM

PROVIDED REPLACEMENT

REPLACEMENT

CATEGORY

CATEGORY 1 TREES

CATEGORY 2 TREES

CATEGORY 3 TREES

CATEGORY 4 TREES

21 LIVE OAK

24 YEW

11 LIVE OAK

12 LIVE OAK

13 LIVE OAK

14 | FICUS

15 | FICUS

10 EARLEAF ACACIA

TREE #

BIDDING

well as Worker's Compensation.

Landscape Architect and Owner.

3. All canopy trees to be planted min. of 15' from light source/poles. Unless otherwise approved by the governing authority / Landscape Architect and Owner.

4. Landscape contractor shall contact the county, governing authority and/or utility companies to locate all underground utilities or structures prior to digging. Landscape contractor shall repair all damage to underground utilities, and/or construction caused by utility damage, at no cost to the owner.

5. All plant material symbols shown on landscape plan shall be considered diagrammatic and should be adjusted in the field by contractor to avoid all utilities, and all other obstructions.

6. If/ When digging in right of way needed: Two (2) full business days before digging, call toll free 1-800-432-4770, or 811, Sunshine State One Call of Florida, inc. Notification Center. In addition, call the Governing Agency's Utilities/Public Works Department. Contractors are responsible for coordinating with the owners and appropriate public agencies to assist in locating and verifying all underground utilities prior to excavation. All existing utilities shown on the plans are to be considered approximate and should be verified by

the contractor prior to the start of work operations. Above and below ground utilities shall be verified and located in the field by the contractor prior to commencing work in the project area. The contractor shall examine available utility plans and confirm conflicts between indicated or located utilities and landscape work. The contractor shall then notify the Project Engineer of said conflicts and the Engineer will coordinate any necessary adjustments with the utility provider. Tree locations

will be adjusted as necessary when in conflict with existing utilities. 8. The final plant locations may be adjusted, as approved / directed by the Landscape Architect in writing, to accommodate utilities compliance. Excavations within 5' of known utilities should be done by hand.

Contractor shall familiarize himself with the location of and avoid and protect utility lines, buried cables, and all other utilities, noted or not, on plans. 10. Leave clearance and access to all above ground or at grade meters and equipment.

11. Landscape planting shall be in conformance with FPL guidelines for setbacks from overhead utility lines. 12. Landscaping shall not interfere with light poles, fire hydrants, electrical/mechanical equipment access, signs, drainage structures, etc. Bring to the attention of Landscape Architect any conflicts.

1. Root barriers will be installed to protect building foundations, curbing, walkways, paved areas, roadway base material and utilities from existing large trees or proposed new trees that are within 5' of existing or new

approved construction or as may be deemed necessary as job progresses. Mechanical Root barriers will be used for large existing Canopy Trees and chemical type barriers will be used for new trees.

3. Mechanical Root barriers will be "DeepRoot" and Chemical Root barriers will be "Biobarrier". Substitutions must be of approved equal or better quality.

Root barriers will be installed per manufacturer specifications. Root barrier depths will be determined by the manufacturer recommended depth chart and as required by on-site conditions in a case by case basis as deemed necessary by Landscape Architect Architect / ISA Arborist and Landscape Inspector.

M. LANDSCAPE BACKFILL & SOIL AMENDMENT

1. All building construction material and foreign material shall be removed from the planting areas and replaced with 70/30 mix (70% sand / 30% organic compost) or amend existing soils per section H.2.

2. Planting soil mix shall be delivered to the site in a clean loose and friable condition and is required around the root ball of all trees and shrubs, the top 6" of all shrubs and ground cover beds and top 2" of all grassed areas. This soil shall be tilled into the existing soil after the existing soil has been cleaned of all undesirable foreign materials. Recycled compost is encouraged as a soil amendment alternative. Planting soil to be weed free.

Planting backfill for palms shall be clean coarse native sand unless specified elsewhere. 4. Do not allow air pockets to form when backfilling. All trees shall be watered-in utilizing water probe or a tree

N. PLANT SIZE & QUALITY

All plant material must meet or exceed the minimum size requirements as specified on the plant list. Height specification governs over container size if both specifications given cannot be met. Any other requirements

for specific shape or effect as noted on the plan shall also be required for acceptance. 2. Material specified as Balled and Burlapped (B&B) can be accepted in container if not available as B&B at the discretion of Landscape Architect; if so, root bound and/or circling roots shall be removed and root ball must be proportionate to Tree / Palm

U.O.N, All trees designated as single trunk shall have a single, relatively straight, dominant leader, proper structural branching and even branch distribution. Trunks on palms shall be uniform in thickness for the entire length of the palm and shall not taper off to disproportionate thinness towards the crown. Trees with bark inclusion, tipped branches, and co-dominant trunks will not be accepted. Trees with girdling, circling and/or

plunging roots will be rejected. 4. Use nursery grown plant materials that complies with all required inspection, grading standards, and plant regulations in accordance with the latest edition of Florida Department of Agriculture, "Grade & Standards for Nursery Plants".

All trees and palms shall be free of open wounds and unsightly visible scars. 6. All substitutions must be approved by the governing authority if it is required Canopy and by Landscape

Architect / Owner if supplementary accent material. 7. Contractor shall comply with Federal, State, and Local laws and regulations pertaining to the inspection for

plant disease and insect infestation. 8. Trees, palms, shrubs, ground covers: Plant species and sizes shall conform to those indicated on the drawings. All nursery stock shall be in

accordance with grades and standards for nursery plants parts 1 and 2, latest edition published by the Florida Department of Agriculture and Consumer Services, unless specified otherwise. All plants shall be Florida grade number 1 or better as determined by the Florida Division of Plant Industry and tightly knit plant, so trained or favored in its development that first appearance is unquestionable and it is outstandingly superior in form, number of branches, compactness and symmetry. All plants shall be freshly dug, sound, healthy, vigorous, well branched and free of disease and insect eggs and larvae and shall have adequate root systems. Trees and palms shall be uniform in size and shape. All materials shall be subject to approval by the Landscape architect. Plants shall be pruned prior to delivery only upon the approval of the Landscape

9. All container grown material shall be healthy, vigorous, well-rooted plants and established in the container in which they are sold. The plants shall have tops of good quality and be in a healthy growing condition. An established container grown plant shall be transplanted into a container and grown in that container sufficiently long enough for the new fibrous roots to have developed so that the root mass will retain its shape and hold together when removed from the container.

10. Field grown trees and palms previously root pruned shall obtain a root ball with sufficient roots for continued growth without resulting shock.

11. Root suckers on any tree are not acceptable and must be properly pruned. 12. Contractor shall coordinate with Landscape Architect and Owner to obtain prior approval for the selection of the specific specimens of all palms and any trees of more than six feet in height. Contractor to supply photograph of trees prior to purchase and installation.

PLANTING NOTES 1. At the discretion of the Landscape Architect, plants are subject to review for approval for size, variety, condition

2. All synthetic burlap, synthetic string or cords, or wire baskets shall be removed before any trees are planted. All synthetic tape (i.e. tagging tape, nursery tape) shall be removed from trunks, branches, etc. before inspection. The top 1/3 of any natural burlap shall be removed or tucked into the planting hole before the trees

3. All "groundcover" requires 75% coverage and 100% within 3 months of installation. Bring to the attention of Landscape Architect in writing before commencing if this is not achievable with the design.

5. All trees/palms shall be planted so the top of the root ball, root flair are slightly above final grade. Shrub material shall be planted such that the top of the plant ball is flush with the surrounding grade.

6. All trees and palms shall be braced / staked per accepted standards by the Florida Nursery, Growers & Landscape Association (FNGLA). Nailing into trees and palms for any reason is prohibited and the material will be rejected. Please refer to the planting details.

placing plants. Backfill around plants with planting mixture, compacted to eliminate voids and air pockets. Form grade slightly dished and bermed at edges of excavation. Apply 3" of mulch.

minimum of three sides by landscape shrubs. 12. Contractor shall not mark or scar trunks in any fashion.

13. When requested by Landscape Architect, demonstration of healthy root system if not previously approved, can include tree removal and re-installation for inspection at no additional cost to the owner.

14. Remove rejected Plant material from the Site immediately and replace with acceptable plants.

1. All Fertilization shall comply with state fertilization laws. Fertilization shall be Agriform "20-10-5 Plus minors" or similar approved slow-release tablets applied per manufacturer suggested application rate chart:

NEW Tree / Shrub Container Size 1 Gal 2 Gal 3 Gal 5 Gal 7 Gal 15 Gal 24" Box Installation: 1 1 to 2 2 to 3 2 to 3 3 to 5 7 to 10 15 to 24

• Place plant in the hole and backfill to halfway point. • Do not place tablets in the bottom of the planting hole. • Place Agriform Tablets in the hole about 1to 2 inches away from root tips. • Finish filling the hole around the plant to grade level. SCOTTS: 1-800-492-8255 or visit www.scottspro.com

1. All areas disturbed during construction shall be sodded with St. Augustine 'Seville' unless otherwise noted. These disturbed areas shall have proper irrigation established or re-established if they were disrupted or

Landscape Contractor to supply and install 2" soil layer 50/50 mix blanket for all new sod areas. 2. All open areas not covered by trees, palms, shrubs, vines, ground covers or existing sod in good condition to remain, shall receive Stenotaphrum Secundatum, St. Augustine 'Seville' sod, whether labeled on the plans or not, unless a different species is indicated on the planting plan. Sod shall be strongly rooted, free from weed, fungus, insects and disease. Contractor shall be paid by the total sodded area x the unit price submitted (field

3. Sod shall be machine stripped no more than 24 hours prior to laying. 4. Lay sod strips with tight joints, do not overlap, stagger strips to offset joints in adjacent courses. Work sifted soil

mix into minor cracks between pieces of sod and remove excess soil deposits from sodded areas. Sod on slopes greater than 3:1 shall be immediately staked after planting.

SUBMITTALS 1. Submit 1 gallon container of all planting media for landscape architect review. Samples to include specified

planting mix, topsoil, container planting mix (if applicable) and mulch. 2. Submit representative nursery photos of all Trees and Palms for review prior to delivery to the site. Include 3. Submit representative nursery photos of all shrub and groundcover material for review prior to delivery to the

INSPECTION & ACCEPTANCE

Notify the governing Agency if required and Landscape Architect of commencement. 2. Onsite plant deliveries shall occur on Monday through Friday only unless otherwise directed by the Landscape Architect / Owner. The contractor shall ensure that plant material is delivered undamaged from transportation or digging operations. The Landscape Architect may reject material that has been damaged or rendered unacceptable due to relocation or transportation from the point of origin. All plant material shall be available for inspection and approval by the Landscape Architect prior to final installation.

3. There shall be one final inspection for approval by each of the presiding governing agency, Landscape Architect and owner. Contractor shall ensure that the plans, details, specifications and notes have been adhered to and that the landscape and irrigation installation is compliant to all items as directed on the plans

prior to scheduling of the final inspection. 4. Upon completion of the work, the Landscape Contractor shall notify the Landscape Architect and request a final inspection. Any items that are judged incomplete or unacceptable by the Landscape Architect or owner shall be promptly corrected by the Landscape Contractor.

5. No substitution of plant material, type or sizes will be permitted without prior written authorization from the Landscape Architect and owner

6. To obtain final payment, Contractor must provide release of all mechanic's liens and material liens.

1. All planting beds shall be mulched to a depth of 3" with an organic mulch approved by Landscape Architect. No heavy metals, such as arsenic, etc. are to be contained in the mulch. The contractor shall provide certification if requested or proof that all mulch is free of heavy metals or similar environmental contaminants.

2. Shredded approved organic mulch to be used beyond trunk in all directions and throughout all hedges and

3. All trees in sodded areas shall have a clean cut 4' diameter mulch ring.

4. Preferred mulch is shredded melaleuca. Cypress, red, gold and green mulch is prohibited. 5. All mulch shall have a minimum 3" separation from the trunk of the tree/palm trunk to avoid rotting.

All plant material shall be watered in thoroughly at the time of planting. 2. It is the sole responsibility of the Landscape Contractor to ensure that all new plantings receive adequate water during the installation and until completion of contract. Deep watering of all new trees and palms and any supplemental watering that may be required to augment natural rainfall and site irrigation is mandatory to ensure proper plant establishment and development and shall be provided by Contractor as a part of this contract.

CLEAN UP

1. The Landscape Contractor is responsible for maintaining all landscape planting areas

until final acceptance of the owner. 2. The contractor is responsible for mowing the entire project during planting and establishment periods, based on mowing project once a month from October to April, and twice a month from April to October (During installation and plant establishment only and until final inspection and owner accepts and takes ownership).

Any excess soil, undesired stones or debris resulting from landscape operations shall

be removed promptly, keeping the site clean as work progresses. 4. The Landscape Contractor shall at all times keep the premises free from accumulation of waste material or debris caused by their crews during the performance of the work. Upon completion of the work, the contractor shall promptly remove all waste materials, debris, unused plant material, empty plant containers, and all equipment from the project site.

W. MAINTENANCE

1. Landscape Contractor to return to job site 12 months after tree bracing and remove all tree braces. Owner may choose to retain 5% of payment to ensure compliance. 2. The Landscape Contractor shall water, mulch, weed, prune, and otherwise maintain all plants, including sod,

until completion of contract or acceptance by landscape architect. Settled plants shall be reset to proper grade, planting saucers restored, and defective work corrected.

3. Trees and shrubs shall be maintained to keep clearance of stop signs and safety clearance for visibility at traffic intersection.

GUARANTEE & REPLACEMENT

1. By accepting the contract, the Contractor is thereby guaranteeing all plant materials and design for a period of not less than one (1) year from the time of final acceptance by the owner. Contractor shall replace any plants which die or wither within such period with healthy plants that meet specifications of the same species and size without additional cost to the owner unless such death or withering is due to Owner's failure to do ordinary maintenance on such plants after final acceptance in accordance with any maintenance instructions given by Landscape Architect for such plants. Such replacement shall include all plants and labor to plant the replacement plants. Any plant materials damaged by lightning, storms, freeze damage or other "acts of God" as well plants damaged by vehicles, vandalism or neglect are not included in this replacement agreement. If requested, the Landscape Architect may act as a mediator between owner and Landscape Contractor on a time material basis. "Plants" includes all trees, palms, shrubs, grass and other plants provided or planted by Contractor.

MISCELLANEOUS. All work to be done in a professional manner.

No change order shall be valid, due or paid unless it is approved by Owner in writing in advance.

3. These notes shall be an integral part of the contract of Contractor and shall be deemed incorporated therein by reference. In the event of a conflict among the terms among the plans and these notes, the terms of this document shall control.

ABBREVIATIONS IN NOTES AND PLANS

U.N.O. = Unless Otherwise Noted L.A = Landscape Architect S.F.= Square Feet STD = Standard (single trunk) B&B = Balled and Burlapped BLDG DEP = Building Department RFI = Request for Information FPL= Florida Power & Light C.O. = Certificate of Occupancy

ISA CA or ISA Arborist = International Society of Arboriculture Certified Arborist

301 East Atlantic Boulevard Pompano Beach, Florida 33060-6643 (954) 788-3400

> Miami-Dade County 2160 NW 82 Avenue Doral, Forida 33122

Palm Beach County 120 N Federal Highway, Suite 208 Lake Worth, Florida 33460

> Orange County 2948 E Livingston Street Orlando, Florida 32803

State of Florida Certificate of Authorization Number - 7928

BID / CONTRACT NO. REVISIONS NO. DESCRIPTION DATE

> PRELIMINARY PLAN NOT FOR CONSTRUCTION THESE PLANS ARE NOT FULLY PERMITTED

AND ARE SUBJECT TO REVISIONS MADE DURING THE PERMITTING PROCESS. RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

LEDER 4161 HILLSBORO **STORAGE**

SCALE: AS NOTED DATE ISSUED: 07/06/2023 DRAWN BY: KG DESIGNED BY: MP CHECKED BY: MP, KS Γhis item has beer digitally signed and sealed by Michael J. Phillips. on the date ANDSCAPE below using a Digital Signature. LA 0001540 - -STATE of this document

> MICHAEL J. PHILLIPS, R.L.A FLORIDA REG. NO. LA0001540 (FOR THE FIRM)

OF

FLORIDA

SHEET TITLE

are not considered

signed and sealed

and the signature

electronic copies.

must be verified on any

LANDSCAPE **NOTES**

SHEET NUMBER

LP-001

PROJECT NO. 09675.01

5. Existing trees to remain shall be trimmed per Ansi-A300 standards. Supervision of the trimming shall be performed by an ISA Certified Arborist to ensure quality work.

walkways and a 14' minimum clearance for roadways, driveways and all vehicular use areas. 7. Selective canopy and root pruning of existing trees can be conducted (only as necessary and in no event

8. If plans call for relocation of trees, palms or plants. High level of care should be exercised to assure that they are not damaged in the process and that they are promptly replanted upon being dug up.

9. All underground utilities and drain or irrigation lines shall be routed outside the tree protection zone. If lines must traverse the protection area, they shall be tunneled or bored under the tree. 10. Erosion control devices such as silt fencing, debris basins, and water diversion structures shall be installed to

prevent siltation and/or erosion within the tree protection zone. 11. Roots shall be cut manually by digging a trench and cutting exposed roots with a saw, vibrating knife, rock saw, narrow trencher with sharp blades, or other approved root pruning equipment.

Flag all trees and palms to be transplanted with differentiating color than those to be saved or removed.

Root prune a minimum of six weeks before relocation. Prune away all dead or damaged limbs or fronds. For

be deemed necessary by Arborist on staff to balance for intense root ball loss, canopy shall be trimmed only as

With hand tools, dig a 2'-0" wide by 3'-0" deep trench at a minimum distance as determined by the consulting

arborist to expose roots. Cut all roots 1.5" and larger in diameter with a clean, sharp pruning saw. Treat all

cuts with a fungicidal barrier. Backfill the trench, within 4 hours of digging, with a 1:1 mixture of site soil and

11. At the end of six weeks, prepare the planting pit at the new location. Overdig the hole diameter a minimum of

12. With the consulting arborist present, undercut the entire root ball of the plants to be transplanted at a depth

13. At the direction of a professional rigger, assemble slings, padding, guiding ropes and cables for attachment to

14. Install trees within 24 hours of removal from their original location to locations provided by Landscape

15. Experienced Tree Spade operator shall move tree or experienced tree mover shall choose best means and

16. Maintain trees in a healthy and vigorous condition during installation and throughout the plant establishment

18. When the plant is placed in the new location, backfill the planting pit with topsoil and water thoroughly to

21. Post transplant watering to provide moisture and reduce any excessive stress due to root desiccation.

22. The diameter of the root--pruning or transplanting circle shall be at a distance away from the trunk equal to 12

23. For all palms except Sabal palmetto, the lower fronds shall be pruned leaving 9-11 fronds that can be tied

24. Transplanting must occur within 24 hours after being dug for relocation. Trees/palms should be kept in shade

25. Digging and preparation of the new hole for the transplant shall be done prior to removing the tree from the

28. A 6" saucer shall be created around the edge of the plant pit to help hold water, see planting detail for

29. Over the guarantee period the Landscape contractor shall be responsible for resetting any trees or palms that

30. After transplanting trees and palms, the landscape contractor shall be responsible for obtaining water and

31. For trees over 4" in caliper at the time of planting, the schedule should be: First six weeks, daily, one and a half

1. Landscape contractor shall loosen and till compacted soils that are overly compacted in all planting areas of

2. Planted areas shall be cleared of underground rocks, construction debris and other materials detrimental to the

amended or replaced with native soil having a ph range of 6.5 - 7.5, as approved by Landscape Architect.

3. All planting areas and planting pits shall be tested for sufficient percolation prior to final planting and irrigation

4. Landscape Contractor shall treat plant areas with pre-emergence herbicide after weeds and grass have been

removed. Landscape Contractor shall wait (7) seven days after pre-emergence treatment prior to planting.

5. Site preparation shall include the eradication and removal of any weeds, clean-up of any dead material, debris,

6. General site and berm grading to +/- 1 inch (1") shall be provided by the general contractor. All finished site

grading shall be provided by the Landscape Contractor. All planting beds shall be free of all rocks 1/2" or

larger, sticks, and objectionable material including weeds and weed seeds. All lime rock shall be

The Landscape contractor shall ensure the planting areas are at finish grade prior to installing plant materials.

barriers such as "Tenax" orange safety fencing or similar, to be installed before the beginning of the project.

Barriers shall be located to include the drip line of the trees, palms and plant material. The contractor shall

8. All trees and plant material to remain shall be protected during construction. Contractor shall install protective

9. Final grade within planting areas to be 4" below adjacent paved areas or top of curb. Sod areas to be 2" below.

10. All planting beds shall be shaped and sloped to provide proper drainage away from building and structures and

Any Irrigation Notes and specifications included in Irrigation Sheets govern over the following Irrigation Notes.

3. Irrigation / Landscape contractor to guarantee 100% coverage and 50% overlap (head to head coverage) to all

4. Irrigation Contractor to adapt design to onsite conditions adjusting heads and changing nozzles as required to

5. The contractor shall ensure that the irrigation system is operational and free of leaks prior to any planting being

finalized. Plant material that is installed prior to the irrigation system being operational shall be watered by the

The Landscape Contractor shall coordinate with the irrigation contractor if not the same and leave provisions

health of the plants. Lime rock base material shall be removed within planting pits and adjacent to pavement.

The planting areas should be clean to a depth equal to the root ball of the trees/palms proposed for the area.

Planting area soils shall be tested for ph before planting. Soils showing high (alkaline) ph (over 7.5) shall be

installation to ensure proper drainage. Plant beds in parking lots and in areas compacted by heavy equipment

watering to maintain soil moisture during the guarantee period at a minimum of: First month-daily, Second

month - three times per week, Third and Fourth months - two times per week, Last eight months - one time per

Watering to be adjusted according to conditions and at the supervision and direction of the ISA certified

without an extensive amount of weight that may damage the heart of the palm. The Sabal palmetto shall have

eliminate air pockets and compact the soil. Set the tree no deeper than its original condition.

period. Replace trees that do not meet this requirement with the same species, size, and quality or per

2' beyond the root ball, with the recipient hole to be at least 1/3 larger than the area that was trenched for

specified by the arborist. The undercutting method may be a choker cable drawn through the root ball with

the crane or backhoe. The professional rigger shall determine the size of machinery necessary to execute the

Root prune with proper clean equipment to sever roots. Ensure roots are not torn or pulled apart.

8. Form a rootball size in compliance with Florida grades and Florida standards number 1 or better.

TREE RELOCATION (These notes for relocation trees only and if applicable)

sawdust or other fine organic material. Do not compact.

10. Allow the plant to regenerate roots over a period of six weeks.

Maintain the soil moisture at field capacity throughout the six weeks.

Architect or Developer with approval of municipal / Landscape Inspector.

mitigation requirements specific to the governing authority with jurisdiction.

20. Provide fungicide and fertility applications at the direction of the consulting arborist.

26. The landscape Contractor is to verify that all new holes have appropriate percolation.

months to six months - three times per week, last six months - one time per week.

the project to provide for proper soil aeration for plant establishment.

take extra caution to prevent any damage to the trunk, root zones and grade.

shall be de-compacted so that drainage is not impeded.

for all individual trees in turf areas and all planting beds.

landscaped areas and furnish and install a rain sensor.

avoid overspray onto buildings or paved areas

district with jurisdiction shall be strictly adhered to.

removed/cleaned down to the native soils.

27. Padding the sling may be necessary so that the trunk or "boots" are not damaged.

17. Fertilize the plant as directed by the consulting arborist.

19. Cover the root ball area with 3" depth of organic mulch.

times each inch of trunk diameter at breast height.

are not vertical when caused by winds less than 74 mph.

all fronds cut without damaging the bud.

and the canopy kept moist.

existing location.

additional information.

SITE PREPARATION & GRADING

methods to strap and rig tree for transporting safely without damage to new location.

Tree Relocation process must be performed or supervised by ISA Certified Arborist. 3. Water the root zones to field capacity for 5 continuous days before root pruning. At a minimum soak the soil to a 4'-0" depth within a 6' radius.

necessary to increase survival.

heavy equipment.

lifting and moving operation.

1. Contractor to have liability insurance including Owner and Landscaper as insured's in excess of \$10,000 as trees, prune out 1/3 of the existing canopy by selectively trimming small internal branches. For palms, gather fronds above the bud and tie them loosely with jute twine to avoid damage. 2. Contractors and Subs must ensure they are doing take offs from Bldg Dep. Revised sets and / or Bid Set 4. Brace root pruned trees awaiting relocation.

5. Root prune $\frac{1}{3}$ rd of the root system, irrigate daily for 2 weeks then root prune another Read ALL notes and typical planting details sheets prior to submitting RFIs and prior to bidding. $\frac{1}{3}$ rd, irrigate daily and prune last $\frac{1}{3}$ rd on actual relocation date, no less than two weeks (six weeks total When submitting an RFI reference sheet number, detail number and/or note category and number. minimum root pruning by stages). ISA Arborist on staff shall observe for intense shock. Canopy pruning may 5. Landscape contractor shall verify all estimated quantities of material shown on the drawings prior to submitting

their bid. Plant list pricing (if shown) is for permitting / mitigation comparison purposes only, any prices shown are to be disregarded by Landscape Contractor. 6. All Plant Material shall meet or exceed height and spread requirement. Heights are local code requirement and / or design intent related and always governs over container size. Container size given for reference only and

documents. Verify with this Office that you are bidding from latest available plans.

1. The location of plants, as shown on the plans, is approximate. The final locations may be adjusted slightly to

2. Contractor understands that an important element of the design of this project is meeting landscape

doubt as to how to execute the plans, Contractor shall immediately consult with Architect and/or Owner.

3. Landscape Contractor shall fine grade, prepare site as outlined in the following notes and per plans; furnish

provided. Furnish and install soil, gravel, boulders, sod and mulch as specified in plans and notes below.

4. Landscape contractor shall furnish and install all trees, palms, shrubs, groundcover, sod, planting soil, fertilizer,

accommodate unforeseen field conditions, to comply with safety setback criteria, to avoid creating unsafe sight

conditions, or as otherwise directed or approved by the Landscape Architect / owner in writing. All other

location adjustments to the layout are to be approved in advance in writing by the Landscape Architect and

ordinances with a design flare that includes symmetry, alignment, focal points and / or smooth curvilinear

forms where applied and contractor shall follow and instruct the working crews accordingly. In the event of any

and install all plants, shrubs, trees and / or palms meeting minimum requirements and brace them per details

must be sized-up to meet height requirements of plant list. Plant material available with excessive height beyond specifications must be consulted with Landscape Architect for design intent. 7. All landscape material was confirmed to be available at time of design. Landscape contractor understands that some material may not be available locally, however is available in Tri-County Region. Plant material supply is the responsibility of the Landscape Contractor that is awarded the contract and he/she shall take steps to ensure availability at the time of installation. Bring to the attention of Landscape Architect if specific material is no longer available at the time of bidding and / or prior to actual construction. Substitutions must be approved

prior to construction.

sod which may be damaged during construction.

herbicide, pre-emergence herbicide, seed, and mulch.

8. Pre-inspections of site required prior to bidding.

9. The plant list is intended only as an aid to bidding. Any discrepancies found between the quantities on the plan and the quantities on the plant list shall be brought to the attention of the Landscape Archtiect for clarification. 10. All labor and material for soil amendments and fertilizer that is required to ensure the successful establishment and survival of the proposed vegetation, as well as all the cost for the removal of unsuitable or excess backfill material from plant beds, in addition to fine grading and mulching all plantbeds and individual trees shall be

included in the contractor's bid to perform the work represented in this plan set. 11. Bid shall be itemized for possible value engineering. 12. Sod and Rocks (if specified) shall be estimated by scaling plans. Include price per square foot for sod. Rocks

(include price per ton). Small rocks and gravel beds shall have landscape fabric material and minimum 4" depth. Boulders to be bid by unit. 13. All S.F. if noted is approximate and shall not be considered all inclusive; it is the contractor's responsibility to do his or her take off, submit price per S.F. and in the end, sod all areas that are not covered either by plants, mulch and/or rocks. It shall be the responsibility of the contractor to include in the bid, the repair of any existing

14. Final payment to the Contractor shall be for actual plants installed on the project. 15. Contractor shall be responsible for obtaining and paying for costs of all permits described in bid whether permit costs are reimbursable by owner or included in bid. Research permit status and research all permits and additional documentation and certifications required such as separate tree removal permit for example, and

16. General / Landscape Contractor shall leave a 5% unforeseen conditions allowance such as for additional root barriers determined to be needed on site and as job progresses. 17. Refer to Section T, Watering, for supplemental watering requirement. 18. Landscape contractor is responsible for verifying all plant quantities prior to bidding and within 7 calendar days of receipt of these plans shall notify the landscape architect in writing of any and all discrepancies. In case of

discrepancies, planting plans shall take precedence over plant list. No substitutions are to be made without

prior consent of the Landscape Architect.

consider prior to bidding.

GENERAL LANDSCAPE NOTES 1. Plants grown in containers prior to installation shall be removed from their containers before they are planted in the ground and have circling roots removed. 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 spacing as necessary and/or provide additional plants to provide an adequate screen as required by code. Leave access to utility or clearance as

2. All landscaping shall be installed according to sound nursery practices. Contractor shall comply with federal, state and local laws and regulations pertaining to the inspection for plant disease and insect infestation.

3. All ideas, designs and plans indicated or represented by this drawing are owned by and are the exclusive property of Keith and Associates and may not be duplicated without authorization or used for other projects than the intended. 4. The Landscape Contractor shall exercise caution to protect any existing sod, electrical and irrigation. Any

damage to the sod, electrical or irrigation shall be replaced or repaired to the original state by the Landscape Contractor at no additional cost to the owner. 5. Tree, palm, accent shrubs and bed lines are to be located in the field and approved by the Landscape Architect / owner prior to planting. Landscape Contractor acknowledges that material planted without approval of location may be subject to relocation by Landscape Architect to maintain design intent if not followed

6. All trees must be pruned as per Landscape Architect's direction. 7. In areas where asphalt is removed in order to receive landscape material, the lime rock sub-base material must also be removed and replaced with approved planting soil mix.

8. Landscape contractor is responsible for sending photographs to the landscape architect to pre-approve all trees, palms, and shrubs prior to delivery to project site. 9. Landscape contractor shall coordinate his or her work with that of the irrigation, landscape lighting, and hardscape contractor if different.

10. The landscape contractor shall treat plant areas with pre-emergence herbicide after weeds and grass have

been removed. Landscape contractor shall wait 7 days after pre-emergence treatment prior to planting.

PERMITS & REGULATIONS 1. Contractor(s) must obtain separate landscape, irrigation and tree relocation/removal permits from the governing authority prior to the issuance of the first building permit for the project.

2. Landscape contractor to call the local Landscape Inspector to schedule a pre-construction meeting prior to installation if required. 3. All mandatory requirements by local Landscape Departments and their inspectors shall govern and landscape

contractor commits by accepting contract to comply promptly for builder/owner to obtain C.O.

Category 1 by Florida Exotic Pest Plant Council. Confirm with Local Municipality.

unwanted trees, palms, shrubs, ground covers, sod and weeds within landscape areas.

E. TREE REMOVAL 1. Removal of any trees or palms will require a written "tree removal permit" from the local governing agency prior to removal. Non-native trees classified as "prohibited" trees may be exempt from the permit if listed as

2. Landscape Contractor is responsible to remove ALL invasive nuisance trees such as Brazilian Pepper, Melaleuca, Australian Pine and all invasive trees as categorized by the governing agencies, whether listed on 3. The Landscape Contractor is responsible for coordinating tree and palm removals and transplants shown on the tree/palm Disposition Plan. The Landscape Contractor is to remove and discard from site existing

1. Existing trees designated to remain shall be protected during all construction phases. Any trees or shrubs designated to remain that are scarred or destroyed will be replaced at the contractor's expense, per the

appraised value 2. Existing plant material not shown on the plan and in conflict with new planting shall be evaluated at the time of new planting installation by the Landscape Architect. Trees and plant material indicated to be relocated with no new location provided in plans shall be moved to a location on site designated as a nursery holding area

with the root ball protected from direct sunlight, maintained and irrigated until new location is determined. 3. Prune trees to remove damaged branches and improve natural shape and thin out structure. Do not remove more than 15% of branches. Do not prune back terminal leader. 4. Prune existing shrubs to remove damaged branches and improve natural shape.

All existing trees shall be "lifted and thinned" to provide an 8' minimum clearance for sidewalks and pedestrian

contractor at his or her expense. Water for plant establishment should be included in the cost of the plant. 6. All guidelines as outlined by the South Florida Water Management District (SFWMD) or water management

to swales, if applicable.

HARDSCAPE & OTHER MATERIALS 1. Face of trees and palms to be located a minimum of 2' setback from all fences, walkways, walls, and paved surfaces, unless otherwise indicated on the plans. Refer to details.

K. UTILITIES / CLEARANCES

1. The contractor shall be responsible for determining the location of and avoid and protect utility lines, buried

7. Any existing irrigation system shall be retrofitted to comply with the specifications as outlined above.

and appropriateness to the design intent

4. Set tree no deeper than it was in its original growing condition with the top of the root ball even with, or slightly higher (+/- 1") than the finished grade.

Layout shrubs to create a continuous smooth front line and fill in behind with triangular spacing. Excavate pit or trench to 1-1/2 times the diameter of the balls or containers or 1' wider than the spread of roots and 3" deeper than required for positioning at proper height. Compact a layer of topsoil in bottom before

10. Groundcover and shrubs to be spaced in a uniform and consistent pattern per planting details. 11. All mechanical equipment, irrigation pumps, FPL transformers, pool pumps, etc. shall be screened on a

Agriform® 21-gm Tablets (SKU# 90026*; 500 tablets/case)

All trees, new or relocated, to be staked and guyed as detailed.

DESIGN SPEED = 45 MPH

FDOT LANDSCAPE PERMIT NO. 2023-L-491-00007

City of Coconut Creek - Land	T .	
Zoning		CD
Net Site Area	126,976 SF	2.91 AC
Total Pervious Area	37,207 SF	
Minimum Landscape I		22014252
	REQUIRED	PROVIDED
1 Tree per 1000 SF (Min.) 37,207/1000 =	37 TREES	37 TREES
5 shrubs per 1000 SF (Min.)	186 SHRUBS	186 SHRUBS
* Includes Existing Trees		
Buffer/Perimet		
	REQUIRED	PROVIDED
West (583') 1 tree per 40 LF	N/A	N/A
East (583') 1 tree per 40 LF	15	15 TREES
Roadway Buffer Re		
1 tree per 2000 SF of total land area	REQUIRED	PROVIDED
40 shrubs per 2000 SF plus continuous hedge (3 tiers)		
North (NW 71st St) - 3,270 SF/2000 SF =	2 TREES	4 TREES
	65 SHRUBS	108 SHRUBS
South (Hillsboro Blvd) - 5,450/2000 SF =	3 TREES	3 TREES
	109 SHRUBS	978 SHRUBS
Street Tre	es	
North (218') 1 tree per 40 LF	6 TREES	6 TREES
South (218') 1 tree per 30 LF (overhead wires)	8 TREES	8 TREES
VUA Require	ment	
VUA Impervious Area	41,379 SF	
	REQUIRED	PROVIDED
1 SF of Landscape area required per 100 SF of paved area	414 SF	26,981 SF
Parking Islands - 1 tree per island	9 TREES	9 TREES
Building Foundation (so	ec. 13-443 (7) €	
BUILDING A		
1 tree, 20 shrubs, 30 gc per 40 LF (tiered)	REQUIRED	PROVIDED
North side (26 LF)	1 tree	4 palms,
North State (20 El)	13 shrubs, 20 Gc	50 Shrubs, 0 GC
South side (109 LF)	3 trees	4 trees,
	55 shrubs, 82 Gc 5 trees	76 Shrubs, 74 GC 3 trees,
East side (206 LF)	103 shrubs, 154 Gc	245 Shrubs, 313 GC
Mast side (290 IE)	10 trees	12 trees,
West side (380 LF)	190 shrubs, 285 Gc	332 Shrubs, 200 GC
TOTAL TREES RE	QUIRED	
Includes buffer trees, street trees, parking island trees, bldg foundation and min tree code required	97	117*
Native Require	ement	
	REQUIRED	PROVIDED
Trees - 50% of required trees	49 TREES	85
Shrubs - 50% of required shrubs	343 SHRUBS	2,977 SHRUBS
Tree Require	ment	
	REQUIRED	PROVIDED
Canopy Trees - minimum 40% of required trees	39	68*
Intermediate Trees - minimum 30% of required trees	29	14
Small Trees - minimum 10% of required trees	10	8
Palms - 3:1= canopy tree; 50% of required max		36 (12 TREES)
		· · · · · · · · · · · · · · · · · · ·

***Trees/Shrubs added to adjacent buffer

PLANT LIST

SHRUBS & GROUNDCOVERS

QTY	** N	KEY	PLANT NAME	SIZE / REMARKS	SPECIE %
375	**	ARA	Arachis glabrata PERENNIAL PEANUT	6" HT; 12" SPRD; 12" O.C.	8.5%
178	**	CLU	Clusia guttifera SMALL LEAF CLUSIA	36" HT; 30" SPRD; FULL TO BASE; 30" O.C.	4%
90	**N	СНН	Chrysobalanus icaco 'Horizontal' HORIZONTAL COCOPLUM	18" HT; 20" SPRD; 24" O.C.	2%
285	**N	CHR	Chrysobalanus icaco COCOPLUM	24" HT; 24" SPRD; 24" O.C.	7%
74	**N	CRN	Clusia rosea 'Nana' DWARF CLUSIA	12" HT; 16" SPRD; 18" O.C.	2%
648	**N	ERN	Ernodia littoralis GOLDEN CREEPER	12" HT; 14" SPRD; 16" O.C.	15%
35	*	GAL	Galphimia gracilis THRYALLIS	24" HT; 24" SPRD; 24" O.C.	1%
11	**N	HAM	Hamelia patens FIREBUSH	5' HT; 36" SPRD; FULL; TREE FORM	.02%
219	**	HPD	Hamelia nodosa DWARF FIREBUSH	24" HT; 24" SPRD; 24" O.C.; FULL TO BASE	5%
95	**	JUN	Juniperus conferta 'Parsonii' PARSON'S JUNIPER	12" HT; 16" SPRD; 18" O.C.	2.5%
105	**	LAM	Lantana montividensis Trailing Lantana	12" HT; 14" SPRD; 18" O.C.	2.5%
213	**N	MUH	Muhlenbergia capillaris GULF MUHLY GRASS	24" HT; 24" SPRD; 30" O.C.	5%
305	**N	NEP	Nephrolepsis exaltata SWORD FERN	12" HT; 14" SPRD; 24" O.C. CERTIFIED NATIVE ONLY	9%
7	*	PAS	Passiflora incarnata PURPLE PASSION VINE	6' HT; FULL VINE; ATTACH TO WALL GRID	.01%
315	*N	PSY	Psychotria nervosa WILD COFFEE	20" HT; 24" SPRD; 24" O.C.	10%
50	*	RON	Rondeletia splendens PANAMA ROSE	24" HT; 24" SPRD; 24" O.C.	1%
35	**N	SER	Serenoa repens SAW PALMETTO	18" HT; 18" SPRD; 36" O.C.	1%
75	**N	STJ	Stachytarpheta jamaicensis NATIVE PORTERWEED	12" HT; 16" SPRD; 24" O.C.	2%
28	*	TFP	Tabernaemontana 'Flore Pleno' CRAPE JASMINE	36" HT; 36" SPRD; FULL CANOPY; TREE STANDARD	1%
265	**N	TRD	Trachelospermum floridanum DWF FAKAHATCHEE GRASS	24" HT; 24" SPRD; 30" O.C.	4%
1800	**N	WET	Sagittaria, Pontederia, Juncus WETLAND MIX	12" HT; BARE ROOT; 24" O.C.; 40%, 20%, 40% QTY.	29%
175	**N	ZAM	Zamia pumila (Zamia floridana) COONTIE	20" HT; 20" SPRD; 24" O.C.	4%
		SOD	ST. AUGUSTINE 'FLORATUM'	SOLID SOD	

PLANT LIST

CE

ED

MF

QV

QV"

TD2

PE3

PLANT NAME

Acer rubrum

RED MAPLE

Conocarpus erectus

Bursera Simaruba

DAHOON HOLLY

Eleocarpus decipiens

Lagerstroemia indica

Myrcianthes fragrans

SIMPSON STOPPER

Quercus virginiana

Quercus virginiana

Taxodium distichum

Taxodium distichum

Tabebuia heterophylla

Ptychosperma elegans

Ptychosperma elegans SOLITAIRE PALM

BALD CYPRESS

BALD CYPRESS

PINK TRUMPET

SOLITAIRE PALM

Sabal palmetto

CRAPE MYRTLE

Pinus elliottii

SLASH PINE

LIVE OAK

LIVE OAK

JAPANESE BLUEBERRY

GUMBO LIMBO

llex cassine

GREEN BUTTONWOOD

TREES

QTY ** N KEY

*N

**N

**N

*N

**N

**N

**N

**N

**N

12

13

10

12

DENOTES NATIVE SPECIES

Corporate Office 301 East Atlantic Boulevard Pompano Beach, Florida 33060-6643 (954) 788-3400

Miami-Dade County 2160 NW 82 Avenue Doral, Forida 33122

Palm Beach County 120 N Federal Highway, Suite 208 Lake Worth, Florida 33460

> Orange County 2948 E Livingston Street Orlando, Florida 32803

State of Florida Certificate of Authorization Number - 7928

BID / CONTRACT NO. :

REVIS	SIONS	
NO.	DESCRIPTION	DATE

PRELIMINARY PLAN NOT FOR CONSTRUCTION

THESE PLANS ARE NOT FULLY PERMITTED AND ARE SUBJECT TO REVISIONS MADE DURING THE PERMITTING PROCESS.
RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

LEDER 4161 HILLSBORO STORAGE

00415		
SCALE:	AS NOTED	
DATE ISSUED:	07/06/2023	
DRAWN BY:	KG	
DESIGNED BY:	MP	
CHECKED BY:	MP, KS	
Printed copies of this document are not considered signed and sealed	ANDSCAPA A 0001540 STATE OF FLORIDA COCOOCIO	
MICHAEL J. PHILLIPS, R.L.A FLORIDA REG. NO. LA0001540 (FOR THE FIRM)		

EFT TITI F

SHEET TITLE

LANDSCAPE SCHEDULE & DATA TABLE

SHEET NUMBER

LP-002

PROJECT NO. 09675.01

DESIGN SPEED = 45 MPH TROSECTION USE 1 TO 1

SPECIE REPL

CAT

%

3%

9%

9%

2%

3%

2%

6%

4%

9%

2%

4%

7%

3%

6%

1%

20%

3

2

SIZE / REMARKS

CANOPY

CANOPY

CANOPY

CANOPY

CANOPY

15' HT; 7' SPRD; FULL

12' HT; 6' SPRD; FULL

12' HT; 6' SPRD; FULL

10' HT; 4' SPRD; FULL

12' HT; 5' SPRD; FULL

MULTI-STEM; FULL CANOPY

MULTI-STEM; FULL CANOPY
12-15' STAGGERED HTS;

6'-7' SPRD; FULL CANOPY

15' HT; 7' SPRD; FULL

18' HT; 8' SPRD; FULL

15' HT; 6' SPRD; FULL

10' HT; 4' SPRD; FULL

12' HT; 6' SPRD; FULL

8' & 12' CT; STAGGERED

8' - 12' CT; STAGGERED

14 - 28' STAGGERED CT

10' HT; 5' SPRD;

8' HT; 5' SPRD;

CANOPY

CANOPY

CANOPY

CANOPY

CANOPY

HTS; SINGLE

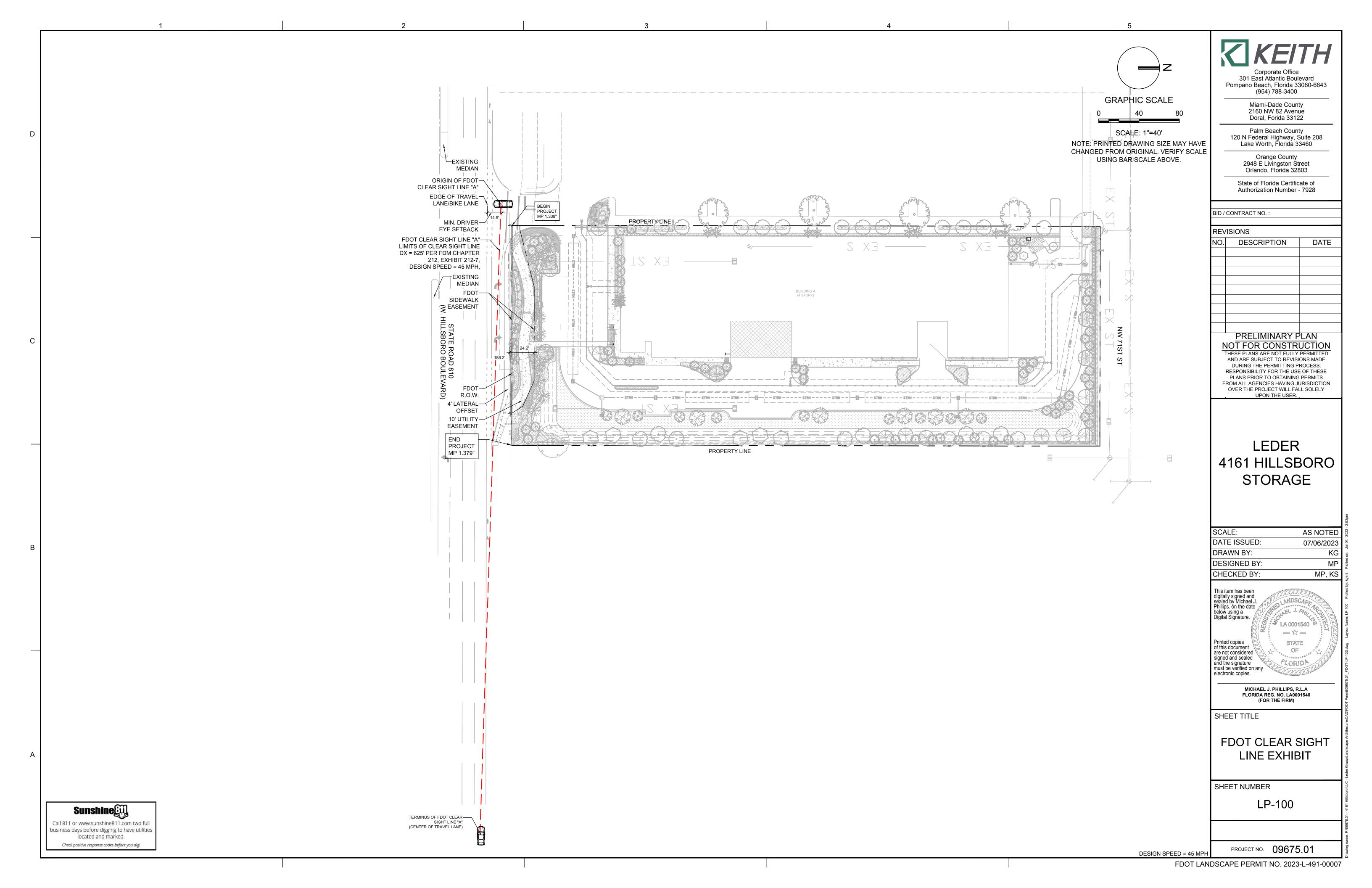
HTS; TRIPLE

CABBAGE PALM / SABAL PALM | HTS; SLICK; SEE PLAN

FDOT LANDSCAPE PERMIT NO. 2023-L-491-00007

^{*} DENOTES HIGH DROUGHT TOLERANT SPECIES

DENOTES MODERATE DROUGHT TOLERANT SPECIES



FDOT GENERAL NOTES:

GOVERNING STANDARD PLANS FLORIDA DEPARTMENT OF TRANSPORTATION, FY 2022-23 STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION AND APPLICABLE INTERIM REVISIONS (IRS) ARE AVAILABLE AT THE FOLLOWING WEBSITE: https://www.fdot.gov/design/standardplans

2. GOVERNING STANDARD SPECIFICATIONS:

FLORIDA DEPARTMENT OF TRANSPORTATION, JULY 2022 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AT THE FOLLOWING WEBSITE: https://www.fdot.gov/programmanagement/implemented/specbooks

CONTRACTOR SHALL REPAIR ALL DAMAGE DONE TO FDOT PROPERTY DURING DEMOLITION, RELOCATION &/OR INSTALLATION ACTIVITIES AT HIS 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.

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: <u>ssm5800000wd-722-i17992.pdf (windows.net)</u>
- 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/2022/idx/580-001.pdf
- 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 SECTION 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 R.O.W. REQUIREMENTS:

—EXISTING

MEDIAN

PROJECT

MP 1.379'

DESIGN SPEED = 45 MPH

Sunshine

Call 811 or www.sunshine811.com two ful

business days before digging to have utilities

located and marked. Check positive response codes before you dig!

 VERTICAL CLEARANCE: MIN. PLANTING VERTICAL CLEARANCE PER FDOT MAINTENANCE RATING PROGRAM: SIDEWALK = 8.5' VERTICAL CLEARANCE ROADWAY = 14.5' VERTICAL CLEARANCE

CITY 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
- 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.
- 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
- 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
- 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.
- Refer to Coconut Creek Fire Equipment Clear Zone diagram to maintain a safe zone fronting fire

Do not plant trees, shrubs or groundcover within Electric Meter Clear Zone. Provide a safe zone as described by the Electrical Inspector. 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 req`uired prior to the backfilling of trees/palms in all parking medians and islands.

NOTES

SOD TO BE ST. AUGUSTINE 'FLORATAM', CONTRACTOR TO DETERMINE QUANTITY.

ALL PLANTS TO BE FLORIDA NO. 1 OR BETTER PER FLORIDA GRADES AND STANDARDS FOR NURSERY PLANTS.

ALL SOD AND LANDSCAPE TO RECEIVE 100% COVERAGE WITH 100% OVERLAP FROM AN AUTOMATIC IRRIGATION SYSTEM USING AN APPROVED WATER SOURCE.

BUBBLERS TO BE PROVIDED FOR NEW AND RELOCATED TREES AND PALMS.

CONTRACTOR IS RESPONSIBLE FOR ALL CONDITIONS AND LANDSCAPE SPECIFICATION ATTACHED TO THIS PLAN AND PLANT LIST. PLAN AND SPECIFICATIONS SHALL BE CONSIDERED CONTRACT DOCUMENTS.

PRE-CONSTRUCTION MEETING IS REQUIRED BEFORE ANY PLANT MATERIAL IS INSTALLED ON SITE.

ALL ROAD ROCK, CONCRETE, ASPHALT AND OTHER NON-NATURAL MATERIAL BE REMOVED AND BE REPLACED WITH PLANTING SOIL PRIOR TO LANDSCAPE INSTALLATION.

NO TRENCHING ALLOWED WITHIN ROOT ZONES OF EXISTING TREES.

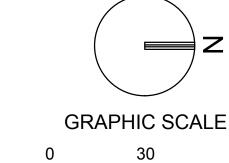
PLANT LIST

	SHRUBS & GROUNDCOVERS				
QTY	** N	KEY	PLANT NAME		
375	**	ARA	Arachis glabrata PERENNIAL PEANUT		
178	**	CLU	Clusia guttifera SMALL LEAF CLUSIA		
90	**N	СНН	Chrysobalanus icaco 'Horizontal' HORIZONTAL COCOPLUM		
285	**N	CHR	Chrysobalanus icaco COCOPLUM		
74	**N	CRN	Clusia rosea 'Nana' DWARF CLUSIA		
648	**N	ERN	Ernodia littoralis GOLDEN CREEPER		
35	*	GAL	Galphimia gracilis THRYALLIS		
11	**N	HAM	Hamelia patens FIREBUSH		
219	**	HPD	Hamelia nodosa DWARF FIREBUSH		
95	**	JUN	Juniperus conferta 'Parsonii' PARSON'S JUNIPER		
105	**	LAM	Lantana montividensis Trailing Lantana		
213	**N	MUH	Muhlenbergia capillaris GULF MUHLY GRASS		
305	**N	NEP	Nephrolepsis exaltata SWORD FERN		
7	*	PAS	Passiflora incarnata PURPLE PASSION VINE		
315	*N	PSY	Psychotria nervosa WILD COFFEE		
50	*	RON	Rondeletia splendens PANAMA ROSE		
35	**N	SER	Serenoa repens SAW PALMETTO		
75	**N	STJ	Stachytarpheta jamaicensis NATIVE PORTERWEED		
28	*	TFP	Tabernaemontana 'Flore Pleno' CRAPE JASMINE		
265	**N	TRD	Trachelospermum floridanum DWF FAKAHATCHEE GRASS		
1800	**N	WET	Sagittaria, Pontederia, Juncus WETLAND MIX		
175	**N	ZAM	Zamia pumila (Zamia floridana) COONTIE		
		SOD	ST. AUGUSTINE 'FLORATUM'		
N	DENO	TES NATIV	E SPECIES		

- **DENOTES HIGH DROUGHT TOLERANT SPECIES**

PLANT LIST

	TREES		
QTY	** N	KEY	PLANT NAME
5	*N	AR	Acer rubrum RED MAPLE
12	**N	CE	Conocarpus erectus GREEN BUTTONWOOD
13	**N	BS	Bursera Simaruba GUMBO LIMBO
3	*N	IC	llex cassine DAHOON HOLLY
3	**	ED	Eleocarpus decipiens JAPANESE BLUEBERRY
3	**	LI	Lagerstroemia indica CRAPE MYRTLE
8	**N	MF	Myrcianthes fragrans SIMPSON STOPPER
10	**N	PI	Pinus elliottii SLASH PINE
12	**N	QV	Quercus virginiana LIVE OAK
3	**N	QV"	Quercus virginiana LIVE OAK
6	**N	TD	Taxodium distichum BALD CYPRESS
9	**N	TD2	Taxodium distichum BALD CYPRESS
-	**	TH	Tabebuia heterophylla PINK TRUMPET
8	**	PE	Ptychosperma elegans SOLITAIRE PALM
1	**	PE3	Ptychosperma elegans SOLITAIRE PALM
51	**N	SP	Sabal palmetto CABBAGE PALM / SABAL PA



SCALE: 1"=30'

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE

301 East Atlantic Boulevard Pompano Beach, Florida 33060-6643

(954) 788-3400 Miami-Dade County 2160 NW 82 Avenue

Palm Beach County 120 N Federal Highway, Suite 208 Lake Worth, Florida 33460

Doral, Forida 33122

Orange County 2948 E Livingston Street Orlando, Florida 32803

State of Florida Certificate of Authorization Number - 7928

BID / CONTRACT NO. REVISIONS DESCRIPTION DATE

PRELIMINARY PLAN NOT FOR CONSTRUCTION THESE PLANS ARE NOT FULLY PERMITTED

AND ARE SUBJECT TO REVISIONS MADE DURING THE PERMITTING PROCESS. RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

LEDER 4161 HILLSBORO

SCALE: **AS NOTED** DATE ISSUED: 07/06/2023 DRAWN BY: DESIGNED BY: MP CHECKED BY: MP, KS digitally signed and sealed by Michael J. Phillips. on the date below using a Digital Signature. LA 0001540 - \updownarrow -STATE of this document OF are not considered signed and sealed and the signature must be verified on any electronic copies. MICHAEL J. PHILLIPS, R.L.A FLORIDA REG. NO. LA0001540

SHEET TITLE

LANDSCAPE PLAN

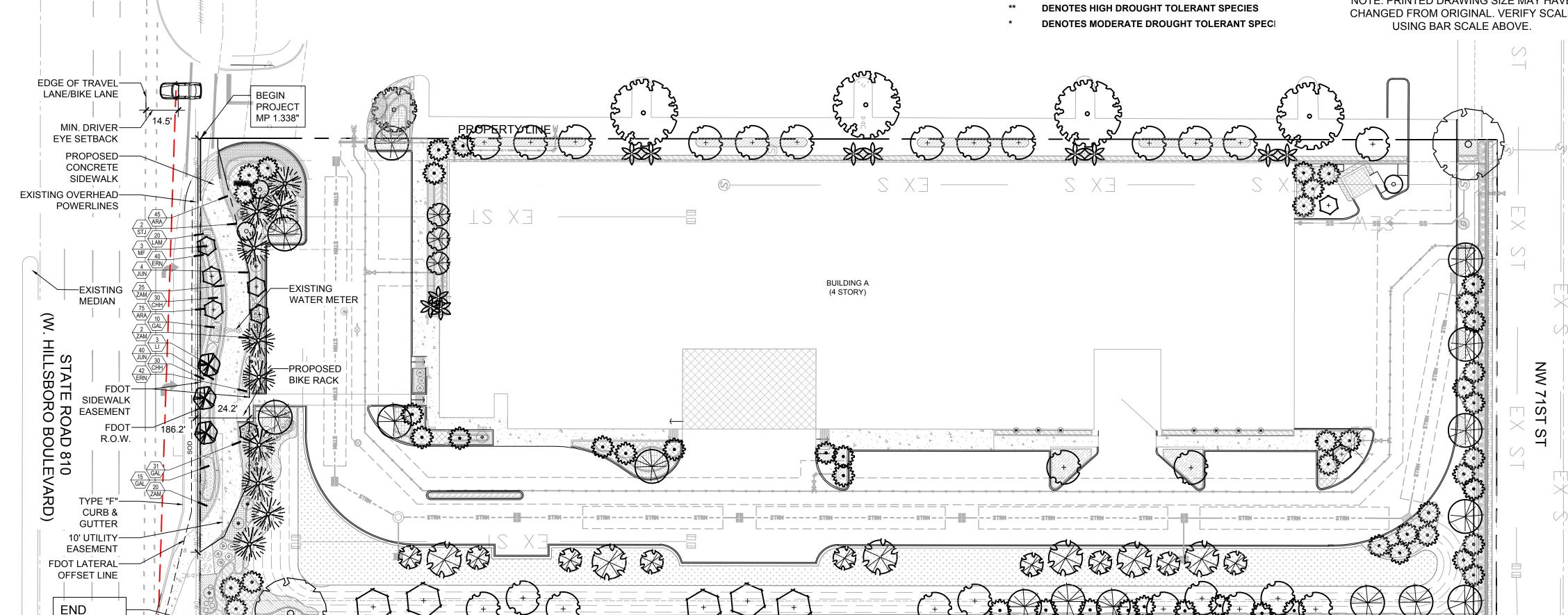
SHEET NUMBER

DESIGN SPEED = 45 MPH

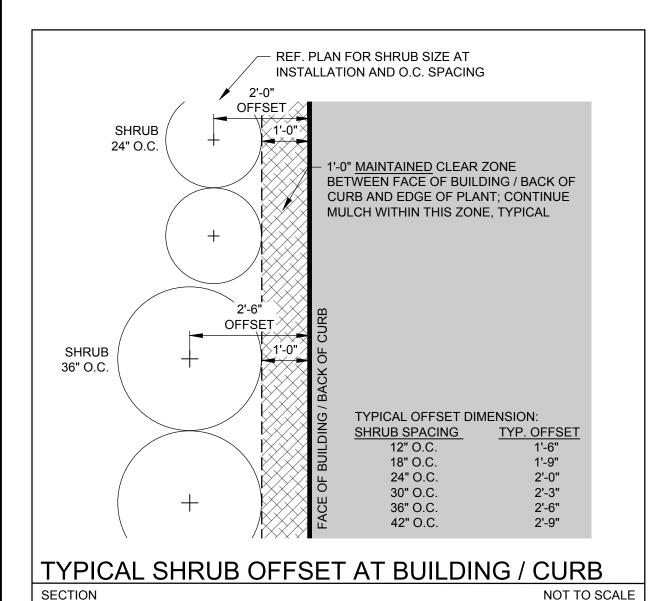
LP-101

FDOT LANDSCAPE PERMIT NO. 2023-L-491-00007

PROJECT NO. 09675.01



PROPERTY LINE



TOP OF ROOTBALL EVEN OR

1" ABOVE FINISHED GRADE

- EXCAVATE TO:

BETWEEN

SPECIES

• PLANT MATERIAL SHALL NOT BE PRUNED PRIOR TO INSTALLATION.

AFTER PLANTS HAVE BEEN INSTALLED, EACH PLANT SHALL BE

CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING BEDS

SHRUB AND GROUNDCOVER PLANTING

PRUNED FOR UNIFORMITY OR AT THE DIRECTION OF THE

MAINTAINED

CLEAR ZONE

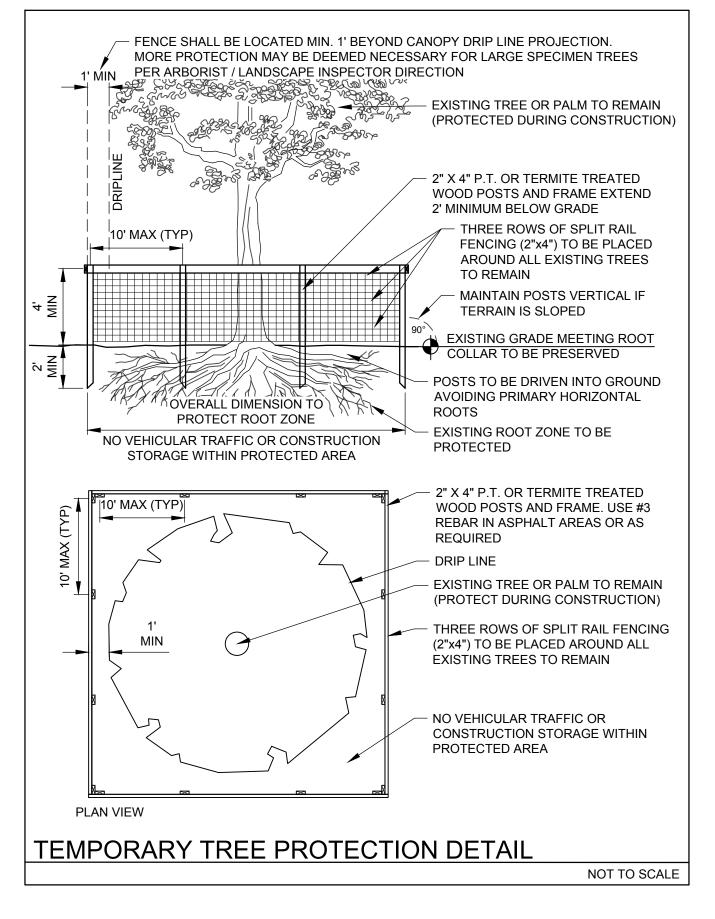
SLOPE TOWARDS SHRUB BED;

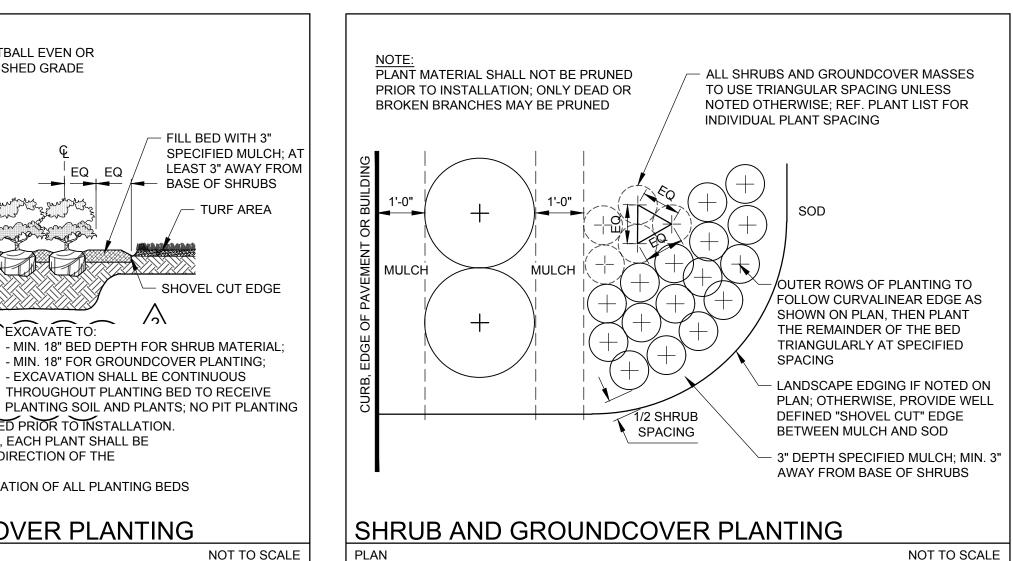
LANDSCAPE ARCHITECT.

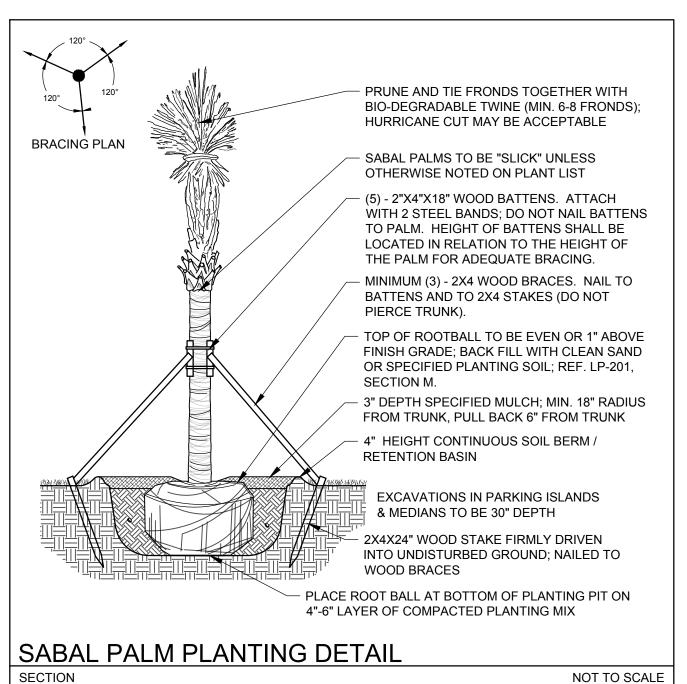
PRIOR TO INSTALLATION.

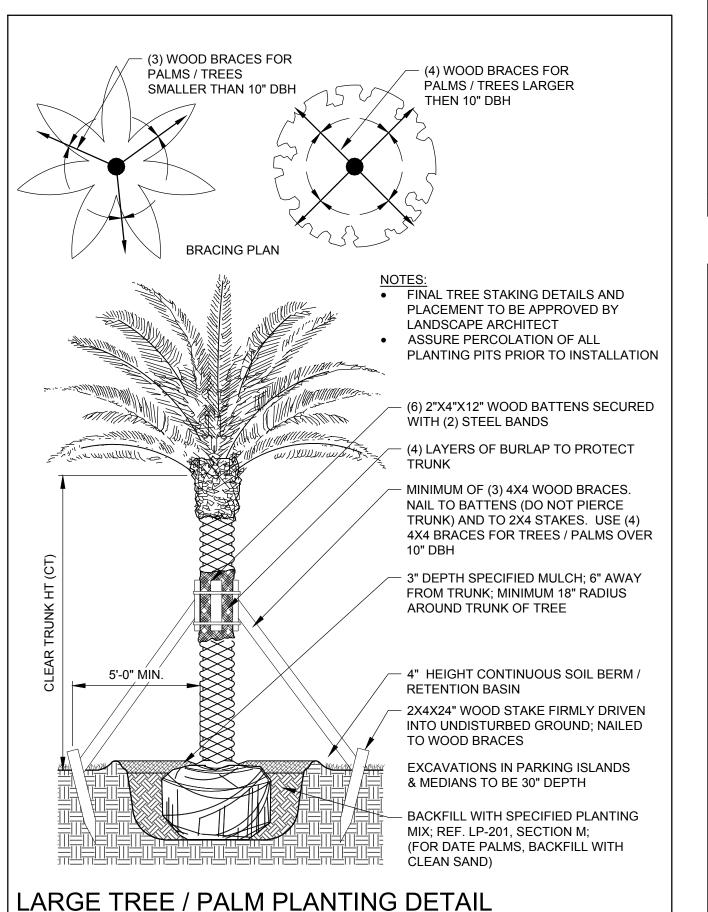
SECTION

MULCH FLUSH WITH PAVEMENT



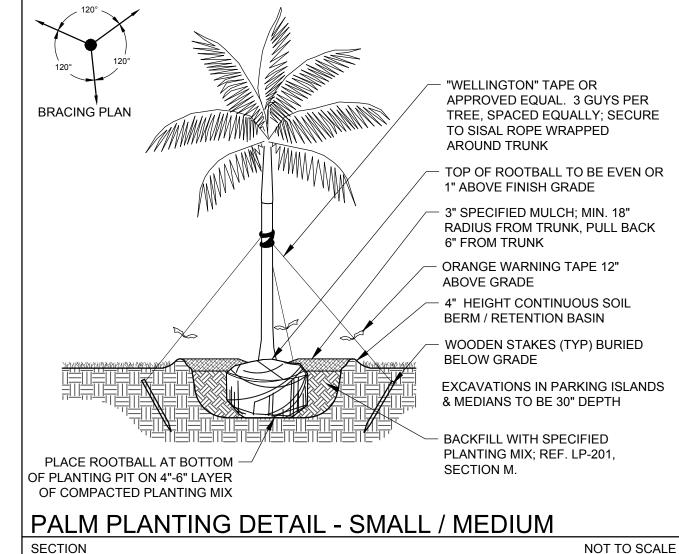


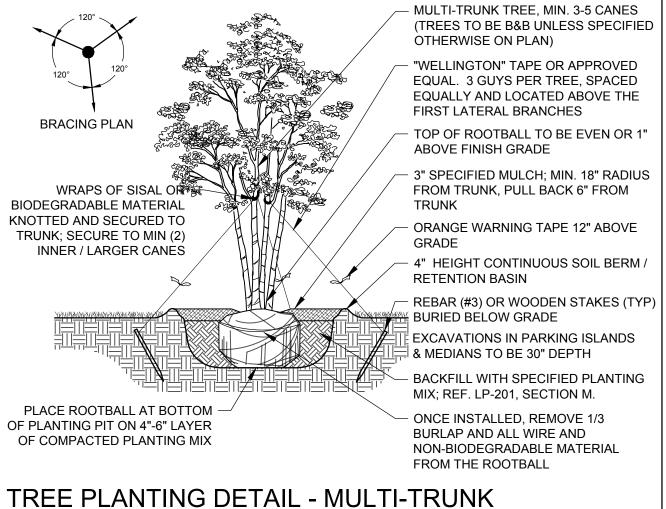


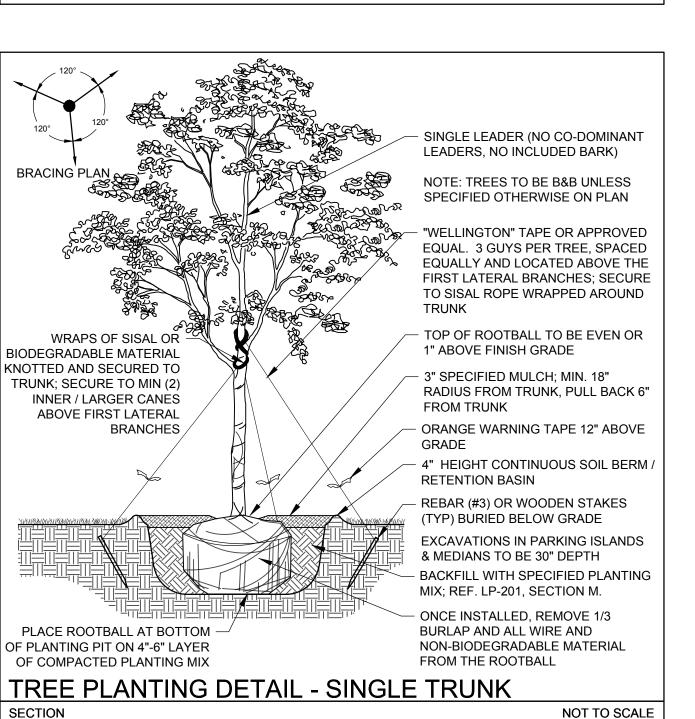


SECTION

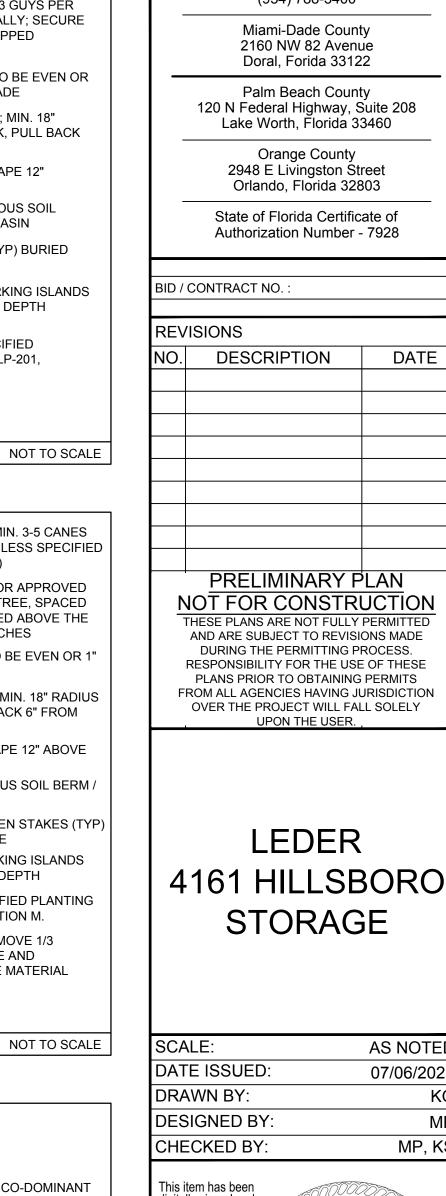
NOT TO SCALE

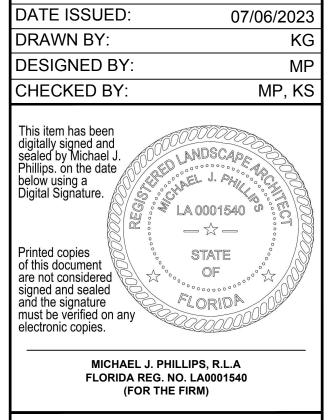






301 East Atlantic Boulevard Pompano Beach, Florida 33060-6643 (954) 788-3400 Miami-Dade County 2160 NW 82 Avenue Doral. Forida 33122 Palm Beach County 120 N Federal Highway, Suite 208 Lake Worth, Florida 33460 Orange County 2948 E Livingston Street Orlando, Florida 32803 State of Florida Certificate of Authorization Number - 7928





AS NOTED

SHEET TITLE

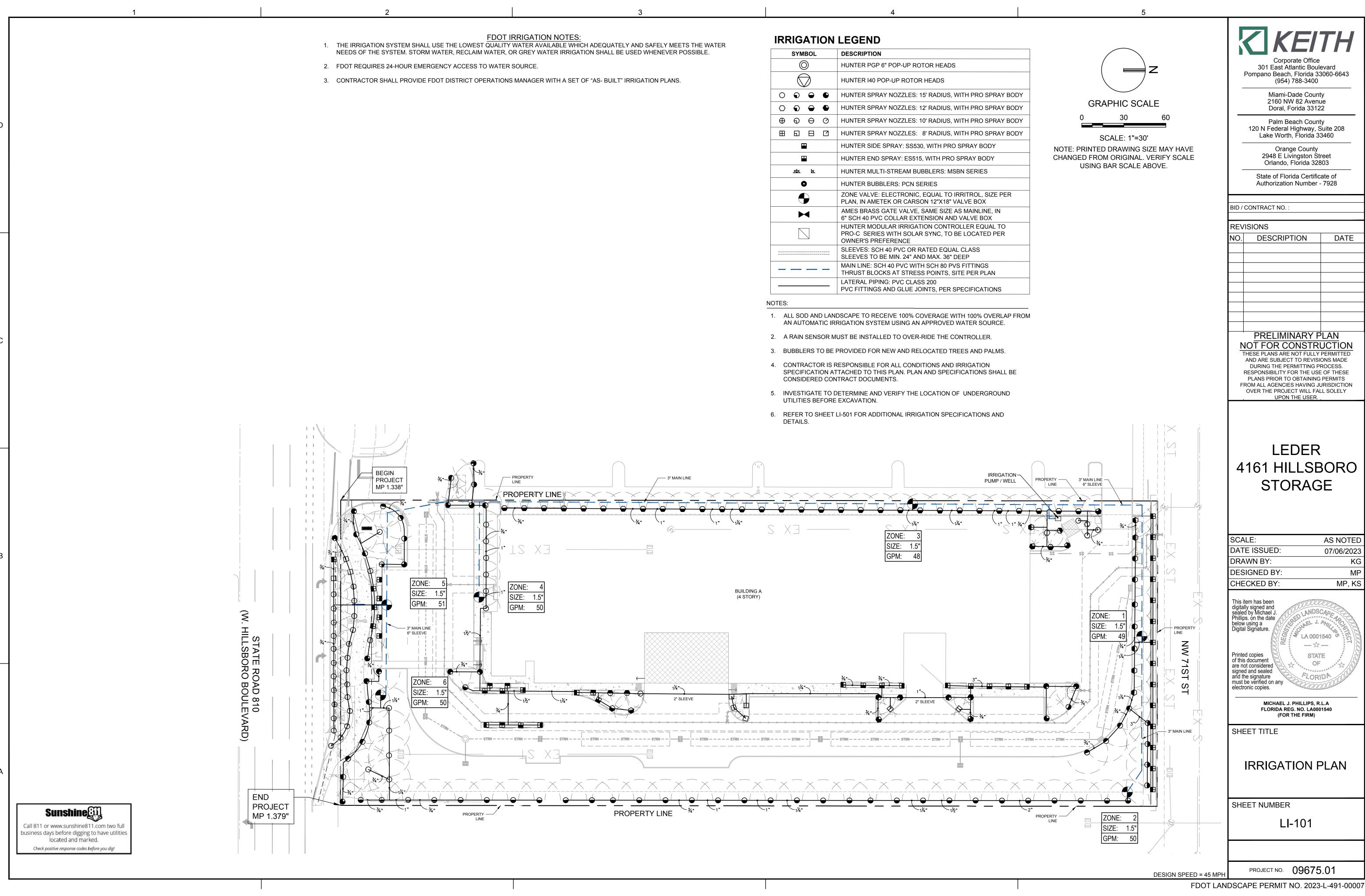
LANDSCAPE **DETAILS**

SHEET NUMBER

LP-501

PROJECT NO. 09675.01

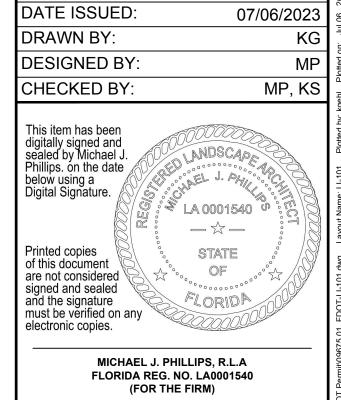
DESIGN SPEED = 45 MPH FDOT LANDSCAPE PERMIT NO. 2023-L-491-00007



Xref ..\.\Engineering\Cadd\XREF\Titleblock\09675.01-G-TBLK 22X34.dwg

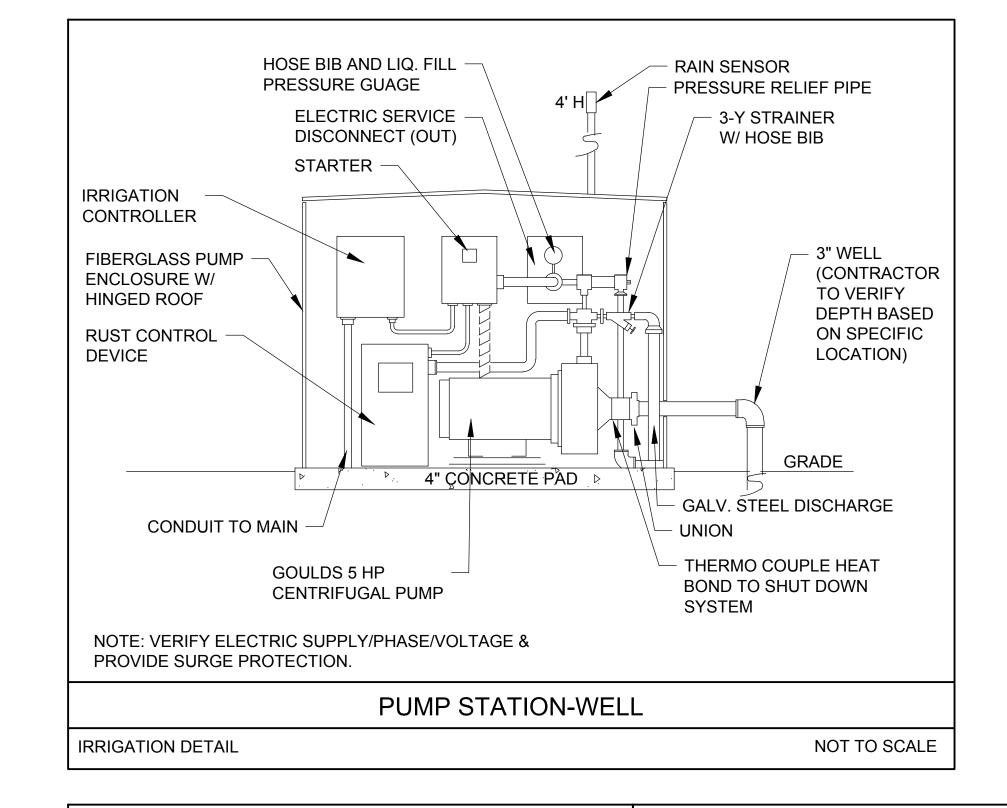
DATE

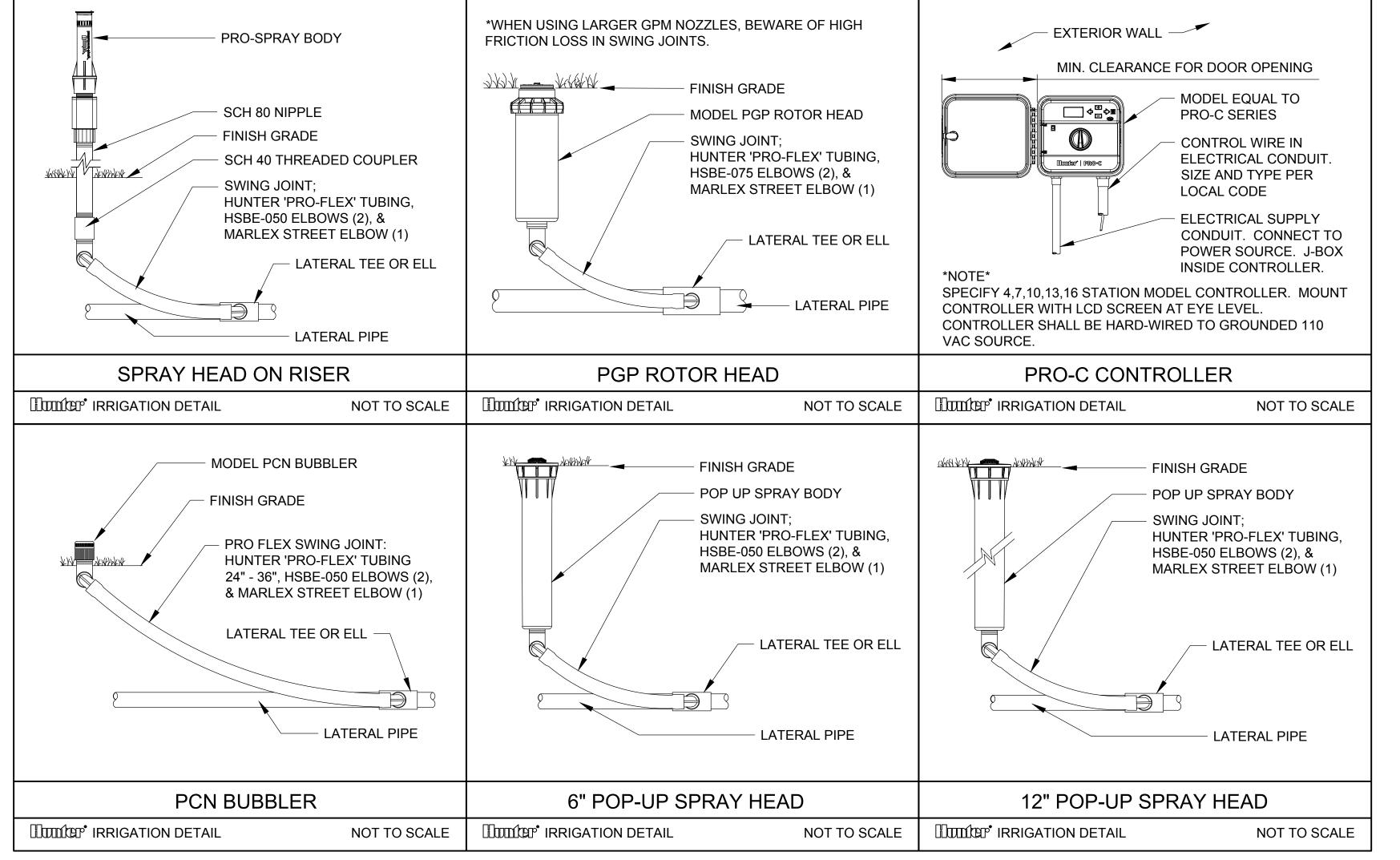
THESE PLANS ARE NOT FULLY PERMITTED FROM ALL AGENCIES HAVING JURISDICTION



IRRIGATION NOTES

- THE CONTRACTOR IS RESPONSIBLE FOR ALL MATERIAL REQUIRED TO MAKE THE SYSTEM FUNCTION PROPERLY. ALL IRRIGATION SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND ALSO STATE AND/OR LOCAL CODES.
- 2. IRRIGATION PLANS ARE SCHEMATIC AND DRAWN FOR GRAPHIC CLARITY. ALL PIPING BELOW PAVEMENT SHALL BE SLEEVED. LAYOUT OF IRRIGATION SYSTEM SHALL BE COORDINATED WITH CORRESPONDING LANDSCAPE PLAN.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING LOCAL UNDERGROUND UTILITY PROVIDERS TO VERIFY LOCATIONS. THE CONTRACTOR IS ENCOURAGED TO VISIT THE SITE PRIOR TO INSTALLATION AND BECOME FAMILIAR WITH EXISTING CONDITIONS.
- 4. VALVE LOCATIONS ARE SCHEMATIC ONLY AND WILL BE ADJUSTED FOR SITE CONDITIONS. EACH VALVE SHALL BE INSTALLED IN A AMETEK OR CARSON VALVE BOX. THE FLOW ADJUSTMENT FEATURE WILL BE USED TO BALANCE PRESSURE THROUGHOUT THE SYSTEM.
- 5. PIPING SHALL BE SIZED TO MINIMIZE FRICTION LOSS AND MAINTAIN FLOW VELOCITY BELOW 5 FPS.
- 6. THE IRRIGATION CONTROLLER SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODES AND MANUFACTURER'S RECOMMENDATIONS. PROPER GROUNDING EQUIPMENT AND SURGE PROTECTION SHALL BE PROVIDED. A RAIN SENSOR SHALL BE INSTALLED TO OVER-RIDE THE CONTROLLER.
- 7. ALL HEADS ON RISERS SHALL BE SET AT THE HEIGHT OF ADJACENT PLANT MATERIAL.
- 8. SPRINKLER LOCATIONS ADJACENT TO PAVEMENT, STRUCTURES, FENCES, ETC. SHALL BE OFFSET AS FOLLOWS: 12" MIN FOR POP-UP MIST HEADS, 18" FOR SHRUB RISERS, 18" FOR ROTOR HEADS, AND TYPICALLY 5 FEET FOR ROTORS ALONG UNCURBED ROADWAYS.
- 9. ALL SLEEVING SHALL BE SCH 40 PVC TO SIZE INDICATED ON PLAN, OR IF NOT INDICATED, A MIN. OF 2 PIPE SIZES LARGER THAN SUPPLY LINE CONTAINED. ALL SLEEVES SHALL BE INSTALLED A MIN. OF 24" BELOW FINISH GRADE.
- 10. CONTROL WIRES SHALL BE UL APPROVED PE IRRIGATION CONTROL WIRE. USE 14 GAGE CONTROL WIRE AND 12 GAGE GROUND WIRE. WIRE SHALL BE BUNDLED AND ATTACHED TO THE MAIN LINE IN TRENCH OR THROUGH WIRE SLEEVES AT PAVEMENT CROSSINGS 24" BELOW FIN. GRADE. ALL SPLICES SHALL BE MADE WITH WATERPROOF DIRECT-BURIAL SPLICE KITS AND CONTAINED IN VALVE BOXES. TWO EXTRA CONTROL WIRES SHALL BE INSTALLED TO THE FURTHEST VALVES IN EACH DIRECTION FROM THE CONTROLLER.
- 11. PIPING IN NARROW PLANTING AREAS, PARKING ISLANDS AND PLANTERS SHALL BE SET TO ONE SIDE TO ALLOW ROOM FOR ROOT BALLS. PIPE AS INDICATED ON PLAN IS SCHEMATIC AND SHOULD BE ADJUSTED FOR FIELD CONDITIONS.
- 12. ALL GLUE JOINTS SHALL BE CLEANED, SANDED, AND TREATED WITH A COLORED HIGH ETCH PRIMER AND JOINED USING A SOLVENT CONFORMING WITH ASTM D2564.
- 13. SYSTEM PIPE SIZE 3/4" SHALL BE CLASS 200 PVC; SYSTEM PIPE SIZE 1" OR GREATER SHALL BE CLASS 160 PVC. SYSTEM MAIN WILL BE SCH. 40 PVC TO SIZE INDICATED ON PLAN. ALL FITTINGS WILL BE SOLVENT WELD SCH 40 PVC. MAIN LINE SHALL HAVE 24" MINIMUM COVER; ALL OTHER PIPING WILL HAVE 12" MIN. COVER. ALL BACKFILL FOR PIPE TRENCHES SHALL BE CLEAN AND FREE OF FOREIGN DEBRIS AND SHARP OBJECTS; BACKFILLED TRENCHES SHALL BE PROPERLY COMPACTED. ALL MAIN LINES WILL BE INSTALLED A MIN. OF 3' FROM ANY TREE OR PALM.
- 14. WATERING TIME PER STATION WILL BE DETERMINED IN THE FIELD AND PER LOCAL REQUIREMENTS. REFER TO MANUFACTURER'S INSTRUCTIONS FOR PRECIPITATION RATES OF SPRINKLERS SPECIFIED.
- 15. IRRIGATION SYSTEM TO PROVIDE 100% COVERAGE WITH 100% OVERLAP MIN. PROVIDE BUBBLERS FOR ALL NEW AND RELOCATED TREES AND PALMS.
- 16. RUST CONTROL SYSTEM TO BE INSTALLED WITH PUMP STATION (IF FROM WELL).
- 17. THE IRRIGATION SYSTEM IN THE RIGHT-OF-WAY IS TO INCORPORATE LOW TRAJECTORY SPRAY HEADS TO MINIMIZE OVERSPRAY.
- 18. AS-BUILT DRAWINGS SHALL BE PREPARED BY THE CONTRACTOR AND GIVEN TO THE OWNER PRIOR TO FINAL ACCEPTANCE.







301 East Atlantic Boulevard
Pompano Beach, Florida 33060-6643
(954) 788-3400

Miami-Dade County

Palm Beach County 120 N Federal Highway, Suite 208

2160 NW 82 Avenue

Doral, Forida 33122

Orange County 2948 E Livingston Street Orlando, Florida 32803

Lake Worth, Florida 33460

State of Florida Certificate of Authorization Number - 7928

REVISIONS

NO. DESCRIPTION DATE

PRELIMINARY PLAN
NOT FOR CONSTRUCTION

THESE PLANS ARE NOT FULLY PERMITTED
AND ARE SUBJECT TO REVISIONS MADE
DURING THE PERMITTING PROCESS.
RESPONSIBILITY FOR THE USE OF THESE
PLANS PRIOR TO OBTAINING PERMITS
FROM ALL AGENCIES HAVING JURISDICTION
OVER THE PROJECT WILL FALL SOLELY
UPON THE USER.

LEDER 4161 HILLSBORO STORAGE

SCALE:	AS NOTE	
DATE ISSUED:	07/06/202	
DRAWN BY:	K	
DESIGNED BY:	MI	
CHECKED BY:	MP, K	
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.	STATE OF CORIDA	
MICHAEL J. PHILLIPS, R.L.A FLORIDA REG. NO. LA0001540 (FOR THE FIRM)		

IRRIGATION

NOTES / DETAILS

LI-501

PROJECT NO. 09675.01

DESIGN SPEED = 45 MPH

SHEET NUMBER

STATE RD: 810

PERMIT: 2023-L-491-00007

EXHIBIT C

RESOLUTION

This Exhibit forms an integral part of the LANDSCAPE MAINTENANCE MEMORANDUM OF AGREEMENT between the DEPARTMENT and the AGENCY.

Please see attached

(To be provided by the Agency)