

SECTION: 86020000  
PERMIT: 2024-L-491-00006  
COUNTY: Broward  
STATE RD: 5

**FLORIDA DEPARTMENT OF TRANSPORTATION  
LANDSCAPE MAINTENANCE MEMORANDUM OF AGREEMENT**

**THIS AGREEMENT**, made and entered into this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_, by and between the **DEPARTMENT OF TRANSPORTATION**, a component AGENCY of the State of Florida, hereinafter called the **DEPARTMENT** and the **CITY of FORT LAUDERDALE**, a municipal corporation, existing under the Laws of Florida, hereinafter called the **AGENCY**.

**WITNESSETH:**

**WHEREAS**, the DEPARTMENT has jurisdiction over **State Road 5 (Federal Highway / US1)** as part of the State Highway System; and

**WHEREAS**, as part of the continual updating of the State Highway System, the DEPARTMENT, for the purpose of safety, protection of the investment, and other reasons, has constructed and does maintain the highway facility as described in **Exhibit "A"**, within the corporate limits of the AGENCY **from (M.P. 5.307 to M.P.5.391)**; and

**WHEREAS**, the DEPARTMENT seeks to install and have maintained by the AGENCY certain landscape improvements within the right of way of **State Road 5 (Federal Highway / US1)** as described within **Exhibit "B"**; and

**WHEREAS**, the AGENCY is agreeable to maintaining those Landscape Improvements within the AGENCY'S limits including plant materials, irrigation system and/or hardscape to the medians and areas outside the traveled way to the right of way line and/or areas within the traveled way that may contain specialty surfacing (concrete pavers, color stamped concrete and color stamped asphalt [also known as patterned pavement]) including any other hardscape (if applicable), but excluding standard concrete sidewalk; and agrees such improvements shall be maintained by periodic mowing, fertilizing, weeding, litter pick-up, pruning, necessary replanting, irrigation repair and/or repair of the median concrete replacements associated with the specialty surfacing (if applicable) as needed; and

**WHEREAS**, the parties hereto mutually recognize the need for entering into an Agreement designating and setting forth the responsibilities of each party; and

**WHEREAS**, the AGENCY by Resolution No. \_\_\_\_\_ dated \_\_\_\_\_, 20\_\_, attached hereto as **Exhibit "D"** and by this reference made a part hereof, desires to enter into this Agreement and authorizes its officers to do so;

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

1. The recitals set forth above are true and correct and are deemed incorporated herein.
2. INSTALLATION OF FACILITIES

The AGENCY shall install and agrees to maintain the *landscape improvements* described herein as: plant materials, irrigation and/or hardscape on the highway facilities substantially as specified in plans and specifications hereinafter referred to as the Project(s) and incorporated herein as **Exhibit "B"**. *Hardscape* shall mean, but not be limited to, any site amenities such as landscape accent lighting, bike racks, fountains, tree grates, decorative free-standing walls, and/or sidewalk, median and/or roadway specialty surfacing such as concrete pavers, stamped colored concrete and/or stamped colored asphalt (also known as patterned pavement).

- a) All plant materials shall be installed and maintained in strict accordance with sound nursery practice prescribed by the International Society of Arboriculture (ISA). All plant materials installed shall be Florida #1 or better according to the most current edition of Florida Department of Agriculture, *Florida Grades and Standards for Nursery Stock*; and all trees shall meet Florida Power & Light, *Right Tree, Right Place, South Florida*.
- b) Trees and palms within the right of way shall be installed and pruned to prevent encroachment to roadways, lateral offsets, and sidewalks. Definition of these criteria is included in the most current editions of FDOT standards for design, construction, maintenance, and utility operations on the state highway system and **Exhibit "C"**, the Maintenance Plan.
- c) Tree and palm pruning shall be supervised by properly trained personnel trained in tree pruning techniques and shall meet the most current standards set forth by the International Society of Arboriculture (ISA) and the American National Standard Institute (ANSI), Part A-300.
- d) Irrigation installation and maintenance activities shall conform to the standards set forth by the Florida Irrigation Society (FIS) latest edition of FIS, *Standards and Specifications for Turf and Landscape Irrigation Systems*.
- e) The AGENCY shall provide the FDOT Local Operation Center accurate as-built plans of the irrigation system so if in the future there is a need for the DEPARTMENT to perform work in the area, the system can be accommodated as much as possible. (See paragraph (g) for contact information.)
- f) If it becomes necessary to provide utilities (water/electricity) to the median or side areas, it shall be the AGENCY'S responsibility to obtain a permit for such work through the local Operations Center (see paragraph (g) below) and the AGENCY shall be responsible for all associated fees for the installation and maintenance of these utilities.

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- g) The AGENCY shall provide the local FDOT Operation Center located at Broward Operations, 5548 NW 9<sup>th</sup> Avenue, Ft. Lauderdale, FL 33309 (954) 776-4300) a twenty-four (24) hour telephone number and the name of a responsible person that the DEPARTMENT may contact. The AGENCY shall notify the local maintenance office forty-eight (48) hours prior to the start of the landscape improvements.
- h) All specialty surfacing shall be installed and maintained in strict accordance with the most current edition of the *Florida Accessibility Code for Building Construction* and the *Interlocking Concrete Pavement Institute (ICPI)*.
- i) All activities, including landscape improvements installation and future maintenance operations performed on State highway right of way, must be in conformity with the most current edition of the *Manual on Uniform Traffic Control (MUTCD)* and *FDOT Standard Plans for Road Construction, 102-XXX series, Maintenance of Traffic*.
- j) The most current edition of *FDOT Design Manual, Section 212.11 and Exhibits 212.4 through 212.7 regarding clear sight triangles at intersections* must be adhered to.
- k) Clear Zone Lateral Offset and as specified in the *FDOT Design Manual, Chapter 215* must be adhered to.
- l) Landscape improvements shall not obstruct roadside signs or permitted outdoor advertising signs, (see Florida Administrative Code [F.A.C.] Rule Chapter 14-10.)
- m) If there is a need to restrict the normal flow of traffic, it shall be done on non-holiday, weekday, off-peak hours (9 AM to 3 PM), and the party performing such work shall give notice to the local law enforcement agency within whose jurisdiction such road is located prior to commencing work on the landscape improvements. The DEPARTMENT'S Public Information Officer (see telephone number in paragraph (g) for Operation Center) shall also be notified.
- n) The AGENCY shall be responsible for ensuring no impacts to utilities will occur within the landscape improvement limits before construction commences.
- o) The AGENCY shall follow the minimum level of maintenance guidelines as set forth in FDOT'S Rule Chapter 14-40 *Highway Beautification and Landscape Management*, in the *FDOT Guide to Roadside Mowing and Maintenance Management System*, and **Exhibit "C"**, the *Maintenance Plan* for maintenance activities for landscape improvements.

### 3. MAINTENANCE OF FACILITIES

- a) The AGENCY agrees to maintain the landscape improvements, as existing and those to be installed, within the physical limits described in **Exhibit "A"** and as further described in **Exhibit "B"**. The non-standard improvements within and outside the traveled way shall be maintained by the AGENCY regardless if the said improvement was made by the DEPARTMENT, the AGENCY, or others authorized pursuant to section 7, by periodic mowing, pruning, fertilizing, weeding, curb and sidewalk edging, litter pickup, necessary replanting, irrigation system repair and/ or repair of any median

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concrete replacement associated with specialty surfacing (if applicable) following the DEPARTMENT'S landscape safety and maintenance guidelines, **Exhibit "C"**, the Maintenance Plan. The AGENCY'S responsibility for maintenance shall include all landscaped, turfed and hardscape areas on the sidewalk or within the medians and areas outside the traveled way to the right-of-way and/or areas within the traveled way containing specialty surfacing. The AGENCY shall be responsible for all maintenance and repairs to FDOT sidewalks directly attributable to tree roots or other AGENCY maintained improvements. It shall be the responsibility of the AGENCY to restore an unacceptable ride condition of the roadway caused by the differential characteristics of non-standard traveled way surfacing and the associated header curb and concrete areas (if applicable) on DEPARTMENT right-of-way within the limits of this Agreement.

- b) Such maintenance to be provided by the AGENCY is specifically set out as follows: to maintain, which means to properly water and fertilize all plants; to keep them as free as practicable from disease and harmful insects; to properly mulch the planting beds; to keep the premises free of weeds; to mow the turf to the proper height; to properly prune all plants which at a minimum includes: (1) removing dead or diseased parts of plants, (2) pruning such parts thereof to provide clear visibility to signage, permitted outdoor advertising signs (per Florida Statute 479.106), and for those using the roadway and/or sidewalk; (3) preventing any other potential roadway hazards. *Plant materials* shall be those items which would be scientifically classified as plants including trees, palms, shrubs, groundcover and turf. To maintain also means to remove or replace dead or diseased plants in their entirety, or to remove or replace those that fall below original project standards. Palms shall be kept fruit free year-round. To maintain means to keep the header curbs that contain the specialty surfacing treatment in optimum condition. To maintain also means to keep the hardscape areas clean, free from weeds and to repair said hardscape as is necessary to prevent a safety hazard. To maintain also means to keep litter removed from the median and areas outside the travel way to the right of way line. All plants removed for whatever reason shall be replaced by plants of the same species type, size, and grade as specified in the original plans and specifications. Any changes to the original plans shall be submitted by permit application to the DEPARTMENT for review and approval.
- c) If it becomes necessary to provide utilities (water/electricity) to the medians or areas outside the traveled way to maintain these improvements, all costs associated with such utilities are the maintaining AGENCY's responsibility. Those costs include:
- i. Impact and connection fees
  - ii. The ongoing cost of utility usage for water and electricity
- d) The maintenance functions to be performed by the AGENCY may be subject to periodic inspections by the DEPARTMENT at the discretion of the DEPARTMENT. Such inspection findings will be shared with the AGENCY and shall be the basis of all decisions regarding, repayment, reworking or Agreement termination. The AGENCY shall not change or deviate from said plans without written approval of the DEPARTMENT.

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#### 4. 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.

#### 5. NOTICE OF MAINTENANCE DEFICIENCIES

If at any time after the AGENCY has undertaken the maintenance responsibilities for the landscape improvements, it shall come to the attention of the DEPARTMENT'S District Secretary that the limits, or a part thereof, are not properly maintained pursuant to the terms of this Agreement, said District Secretary may at his/her option, issue a written notice that a deficiency or deficiencies exist(s), by sending a certified letter to the AGENCY, placing said AGENCY on notice thereof. Thereafter the AGENCY shall have a period of thirty (30) calendar days within which to correct the cited deficiencies. If said deficiencies are not corrected within this time period, the DEPARTMENT may at its option, proceed as follows:

- a) Maintain the landscape improvements or any part thereof, with DEPARTMENT or Contractor's personnel and invoice the AGENCY for expenses incurred, and / or
- b) At the discretion of the DEPARTMENT, terminate the Agreement in accordance with Paragraph 9 of this Agreement and remove, by the DEPARTMENT or Contractor's personnel, all of the landscape improvements installed under this Agreement or any preceding Agreements, except as to trees and palms, and charge the AGENCY the reasonable cost of such removal.

#### 6. FUTURE DEPARTMENT IMPROVEMENTS

It is understood between the parties hereto that the landscape improvements covered by this Agreement may be removed, relocated, or adjusted at any time in the future, as determined to be necessary by the DEPARTMENT, in order that the adjacent state road be widened, altered, or otherwise changed to meet future criteria or planning needs of the DEPARTMENT.

The AGENCY shall be given sixty (60) calendar days' notice to remove said landscape improvements at the AGENCY'S expense after which time the DEPARTMENT may remove same. All permits (including tree permits), fees, and any mitigation associated with the

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removal, relocation or adjustments of these improvements are the AGENCY'S responsibility.

## 7. FUTURE AGENCY IMPROVEMENTS

The AGENCY may construct additional landscape improvements within the limits of this Agreement, identified in **Exhibit "A"**, subject to the following conditions:

- a) Plans for any new landscape improvements shall be subject to approval by the DEPARTMENT. The AGENCY shall not change or deviate from said plans without written approval by the DEPARTMENT.
- b) All landscape improvements shall be developed and implemented in accordance with appropriate state safety and roadway design standards.
- c) The AGENCY agrees to comply with the requirements of this Agreement with regard to any additional landscape improvements it chooses to have installed and there will be no cost to the DEPARTMENT.

## 8. ADJACENT PROPERTY OWNER IMPROVEMENTS

The DEPARTMENT may allow an adjacent property owner to construct additional landscape improvements within the limits of the rights of way identified in **Exhibit "A"** of this Agreement and the AGENCY shall be responsible for maintaining those improvements under this Agreement subject to the following conditions:

- a) Plans for any new landscape improvements shall be subject to approval by the DEPARTMENT and shall require a valid permit attached with a letter of consent to said plans by the AGENCY. The plans shall not be changed or deviated from without written approval by the DEPARTMENT and the AGENCY.
- b) All landscape improvements shall be developed and implemented in accordance with appropriate state safety and roadway design standards.
- c) The AGENCY agrees to comply with the requirements of this Agreement with regard to any additional landscape improvements installed by an adjacent owner.

## 9. AGREEMENT TERMINATION

In addition to those conditions otherwise contained herein, this Agreement may be terminated under any one (1) of the following conditions:

- a) By the DEPARTMENT, if the AGENCY fails to perform its duties under this Agreement, following ten (10) days written notice.
- b) By the DEPARTMENT, for refusal by the AGENCY to allow public access to all documents, papers, letters, or other material subject to the provisions of Chapter 119, Florida Statutes, and made or received by the AGENCY in conjunction with this Agreement.

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## 10. AGREEMENT TERM

The term of this Agreement commences upon execution by all parties and shall remain in effect so long as the improvements exist, or until this Agreement is terminated by either party in accordance with Paragraph 9.

## 11. LIABILITY AND INSURANCE REQUIREMENTS

- a) With respect to any of the AGENCY'S agents, consultants, sub-consultants, contractors, and/or sub-contractors, such party in any contract for the landscape improvements shall agree to indemnify, defend, save and hold harmless the DEPARTMENT from all claims, demands, liabilities, and suits of any nature arising out of, because of or due to any intentional and/or negligent act or occurrence, omission or commission of such agents, consultants, subconsultants, contractors and/or subcontractors. The AGENCY shall provide to the DEPARTMENT written evidence of the foregoing upon the request of the DEPARTMENT. It is specifically understood and agreed that this indemnification clause does not cover or indemnify the DEPARTMENT for its own negligence.
- b) In the event that the AGENCY contracts with a third party to provide the services set forth herein, any contract with such third party shall include the following provisions:
  - i. AGENCY'S contractor shall at all times during the term of this Agreement keep and maintain in full force and effect, at contractor's sole cost and expense, Comprehensive General Liability with minimum limits of \$1,000,000.00 per occurrence combined single limit for Bodily Injury Liability and Property Damage Liability and Worker's Compensation insurance with minimum limits of \$500,000.00 per Liability. Coverage must be afforded on a form no more restrictive than the latest edition of the Comprehensive General Liability and Worker's Compensation policy without restrictive endorsements, as filed by the Insurance Services Office. The AGENCY and DEPARTMENT shall be named as additional insured on such policies.
  - ii. AGENCY'S contractor shall furnish AGENCY with Certificates of Insurance of Endorsements evidencing the insurance coverage specified herein prior to the beginning performance of work under this Agreement.
  - iii. Coverage is not to cease and is to remain in full force and effect (subject to cancellation notice) until all performance required of AGENCY'S contractor is completed. All policies must be endorsed to provide the DEPARTMENT with at least thirty (30) day notice of cancellation and/or restriction. If any of the insurance coverage will expire prior to the completion of work, copies of renewal policies shall be furnished at least (30) days prior to the date of expiration.

## 12. E-VERIFY REQUIREMENTS

The AGENCY shall:

- a) Utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the AGENCY during the term of the

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contract; and

- b) Expressly require any subcontractors performing work or providing services pursuant to the state contract to likewise utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term.

### 13. FISCAL TERMS

The DEPARTMENT, during any fiscal year, shall not expend money, incur any liability, or enter into any contract which, by its terms, involves the expenditure of money in excess of the amounts budgeted as available for expenditure during such fiscal year. Any contract, verbal or written, made in violation of this subsection is null and void, and no money will/may be paid on such contract. The DEPARTMENT shall require a statement from the Comptroller of the DEPARTMENT that funds are available prior to entering into any such contract or other binding commitment of funds. Nothing herein contained shall prevent the making of contracts for periods exceeding one (1) year, but any contract so made shall be executory only for the value of the services to be rendered or agreed to be paid for in succeeding fiscal years; and this paragraph shall be incorporated verbatim in all contracts of the DEPARTMENT which are for an amount in excess of TWENTY-FIVE THOUSAND DOLLARS (\$25,000.00) and which have a term for a period of more than one year.

### 14. SUPERSEDED AGREEMENTS

This writing embodies the entire Agreement and understanding between the parties hereto and there are no other Agreements and understanding, oral or written, with reference to the subject matter hereof that are not merged herein and superseded hereby.

### 15. DISPUTES

The DEPARTMENT'S District Secretary shall decide all questions, difficulties and disputes of any nature whatsoever that may arise under or by reason of this Agreement, the prosecution or fulfillment of the service hereunder and the character, quality, amount and value thereof; and his decision upon all claims, questions and disputes shall be final and conclusive upon the parties hereto.

### 16. ASSIGNMENT

This Agreement may not be assigned or transferred by the AGENCY in whole or part without the consent of the DEPARTMENT.

### 17. LAWS GOVERNING

This Agreement shall be governed by and construed in accordance with the laws of the State of Florida. In the event of a conflict between any portion of the contract and Florida law, the laws of Florida shall prevail. The AGENCY agrees to waive forum and venue and that the DEPARTMENT shall determine the forum and venue in which any dispute under this agreement is decided.



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## 18. NOTICES

Any and all notices given or required under this Agreement shall be in writing and either personally delivered with receipt acknowledgement or sent by certified mail, return receipt requested. All notices shall be sent to the following addresses.

If to the DEPARTMENT:

Florida Dept. of Transportation  
3400 West Commercial Blvd.  
Ft. Lauderdale, FL 33309-3421  
Attn: Kaylee Kildare  
District IV Landscape Manager

If to the AGENCY:

City of Fort Lauderdale  
101 NE 3<sup>rd</sup> Avenue, Suite 21000  
Fort Lauderdale, FL 33301  
Attn: City Manager  
cc: Karen Warfel, Transportation  
Planning Manager

## 19. LIST OF EXHIBITS

Exhibit A: Landscape Maintenance Boundaries  
Exhibit B: Landscape Improvement Plans  
Exhibit C: Maintenance Plan for Landscape Improvement  
Exhibit D: Resolution

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IN WITNESS WHEREOF, the parties hereto have executed this Agreement effective the day and year first above written.

CITY OF FORT LAUDERDALE,  
through its CITY COMMISSIONERS

STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION

By: \_\_\_\_\_  
Dean J. Trantalis, Mayor

By: \_\_\_\_\_  
John Krane, P.E.  
Transportation Development Director

\_\_\_\_\_ day of \_\_\_\_\_, 2024

Date: \_\_\_\_\_

\_\_\_\_\_  
Susan Grant, Acting City Manager

Attest: \_\_\_\_\_  
Executive Secretary

Approved as to form by Office of City Attorney

Legal Review

\_\_\_\_\_  
City Attorney

\_\_\_\_\_  
Office of the General Counsel      \_\_\_\_\_  
Date

ATTEST:

\_\_\_\_\_  
David R. Soloman, City Clerk

(SEAL)

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**EXHIBIT A**

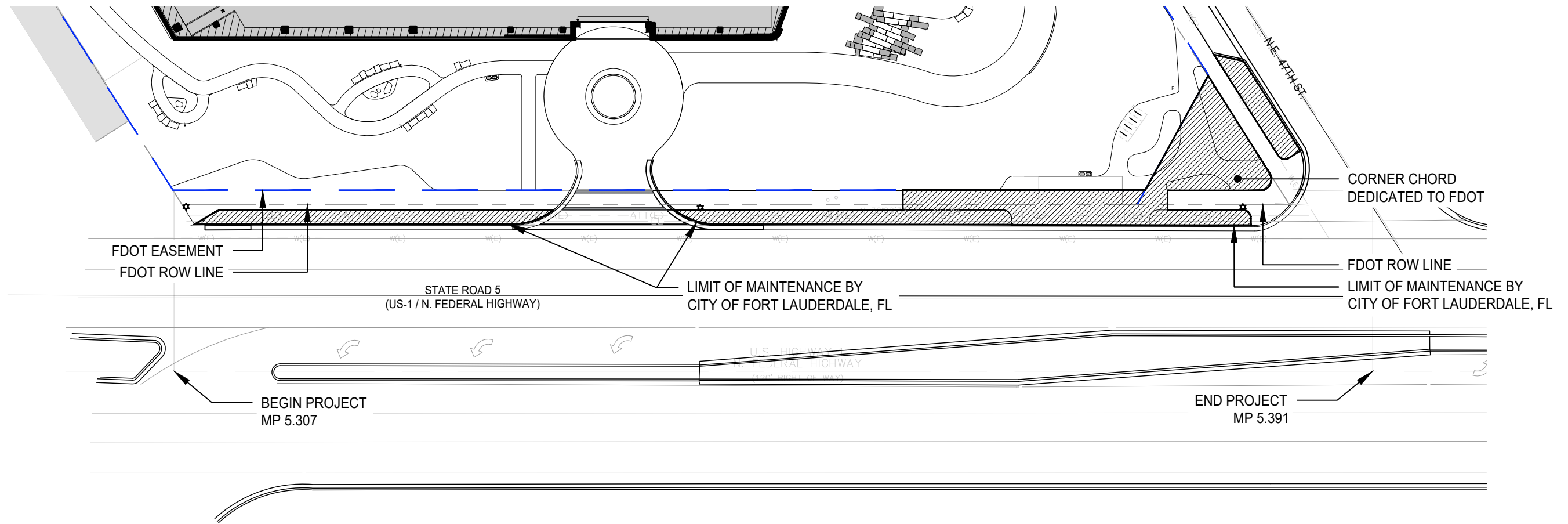
**LANDSCAPE MAINTENANCE BOUNDARIES**

**I. LIMITS OF MAINTENANCE FOR LANDSCAPE IMPROVEMENTS:**

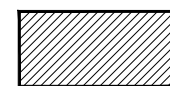
SR5 / US1 from **(M.P. 5.307 to 5.391)**

**II. LANDSCAPE IMPROVEMENTS MAINTENANCE BOUNDARY MAP:**

See Attached



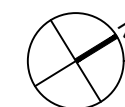
**LEGEND**

 LIMIT OF MAINTENANCE BY  
CITY OF FORT LAUDERDALE, FL

**LANDSCAPE IMPROVEMENTS MAINTENANCE BOUNDARY MAP - CITY OF FORT LAUDERDALE**  
**FDOT LANDSCAPE PERMIT NO. 2024-L-491-00006 (DATE: 12/03/2024)**

1

SCALE: 1" = 40'-0"



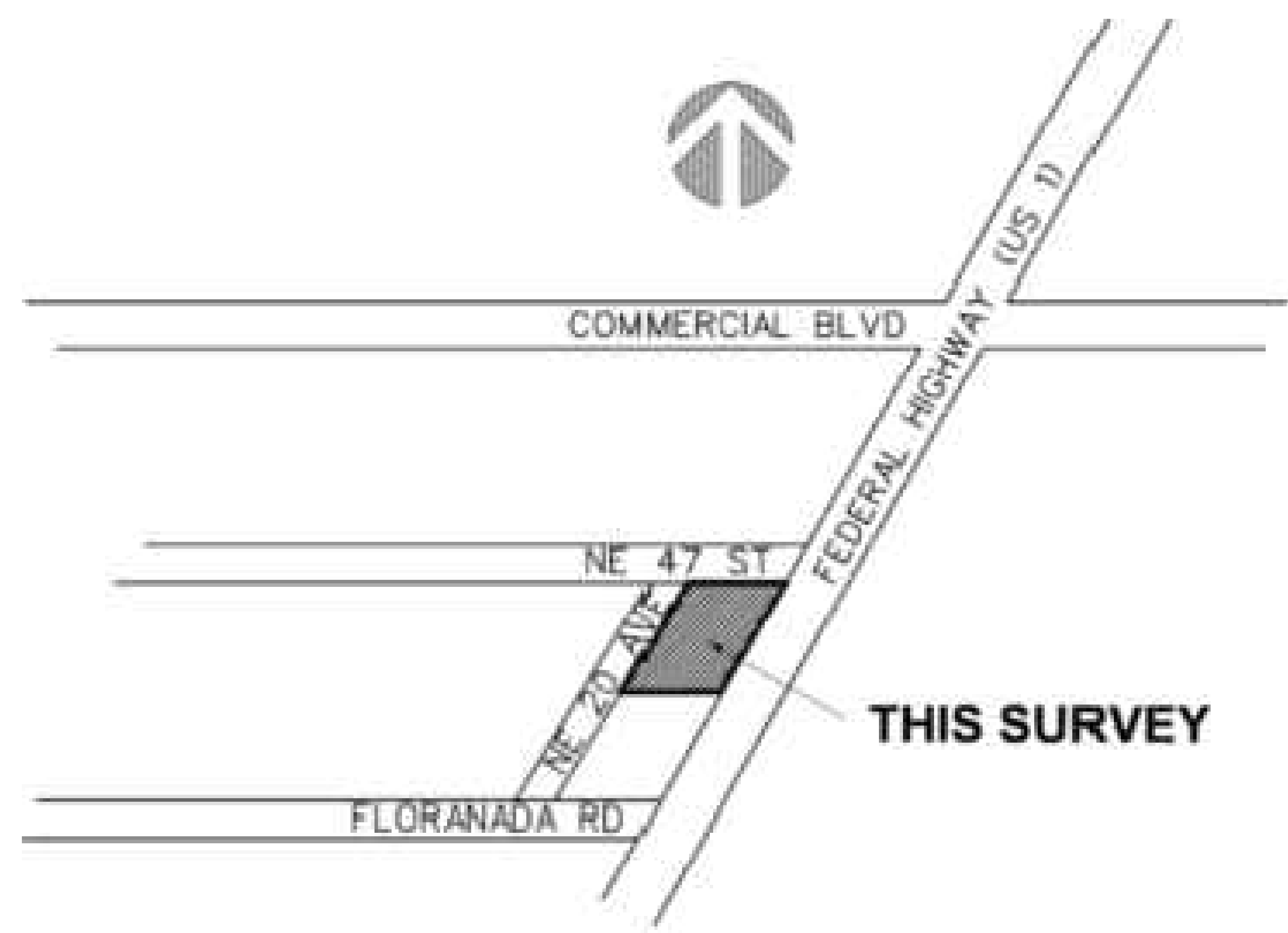
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**EXHIBIT B**  
**LANDSCAPE IMPROVEMENT PLANS**

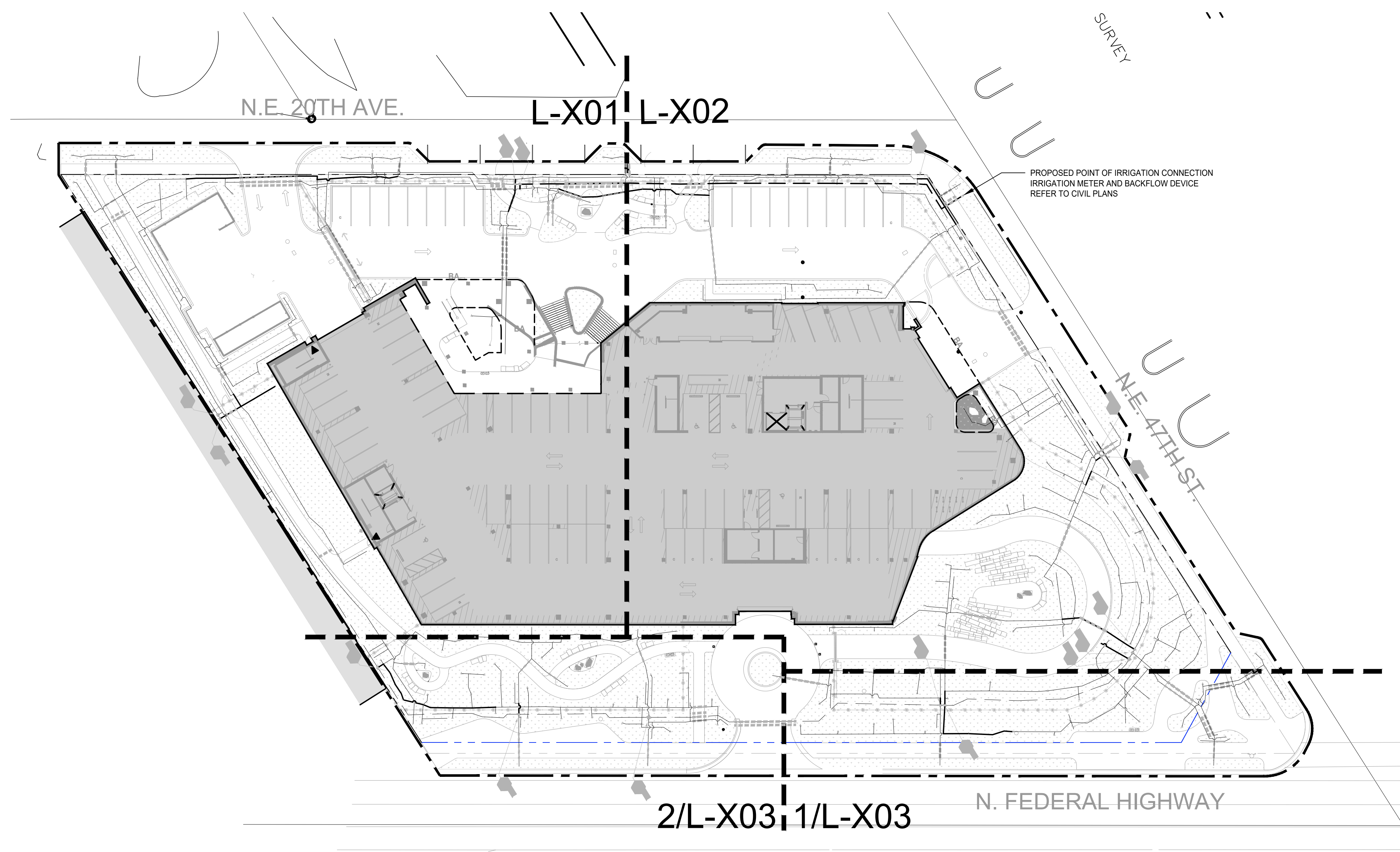
The DEPARTMENT agrees to install the landscape improvements in accordance with the plans and specifications attached hereto and incorporated herein.

Please see attached plans prepared by: **John Donnelly, RLA**  
**Stiles**

Date: 11/04/2024



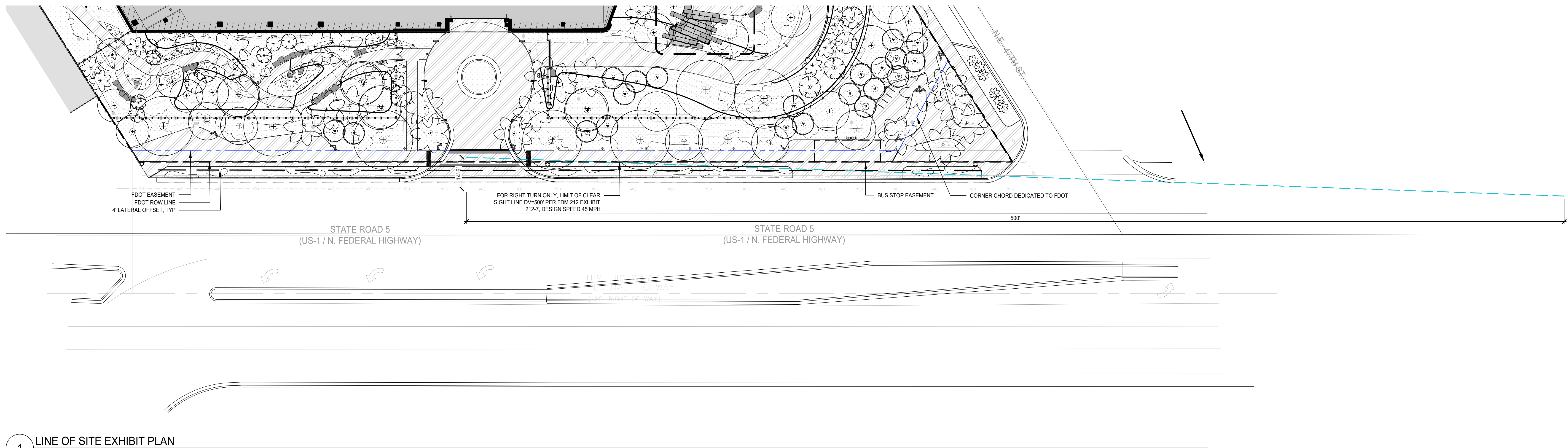
LOCATION MAP  
NOT TO SCALE



1 GROUND FLOOR KEY PLAN  
SCALE: 1"=30'-0"

**FDOT GENERAL NOTES**

1. GOVERNING STANDARD PLANS:  
Florida Department of Transportation, FY 2023-24 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs) are available at the following website:  
<https://www.flot.gov/design/standardsplans>
2. GOVERNING STANDARD SPECIFICATIONS:  
Florida Department of Transportation, FY 2023-24 Standard Specifications for Road and Bridge Construction at the following website:  
<https://www.flot.gov/programmanagement/implemented/specbooks>
3. Contractor shall repair all damage done to FDOT property during demolition, relocation &/or installation activities at his sole expense.
4. Any plant material substitution within or impacting the FDOT Right of Way whether requested by the Contractor, Owner, Landscape Architect or other will need to get approval from the FDOT District Landscape Architect.
5. Ownership of all suitable excavated materials, as determined by the Department, shall remain in the Department until a final acceptance of the permitted project is fulfilled. Excavated materials shall be hauled by the Permittee, at their cost & expense from the site to the FDOT Broward Operations Center or stockpiled in those areas as directed by the Department, including asphalt millings.

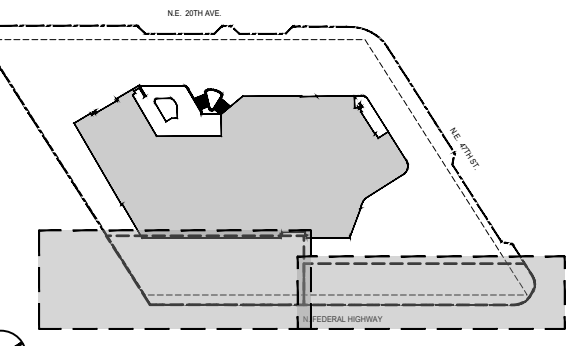


**1** LINE OF SITE EXHIBIT PLAN  
SCALE: 1" = 20'-0"



REVISION INFORMATION

SITE LEGEND



SCALE 1" = 20'  
PROJECT # 2218  
ISSUE DATE 2023.04.21

LINE OF SITE EXHIBIT PLAN

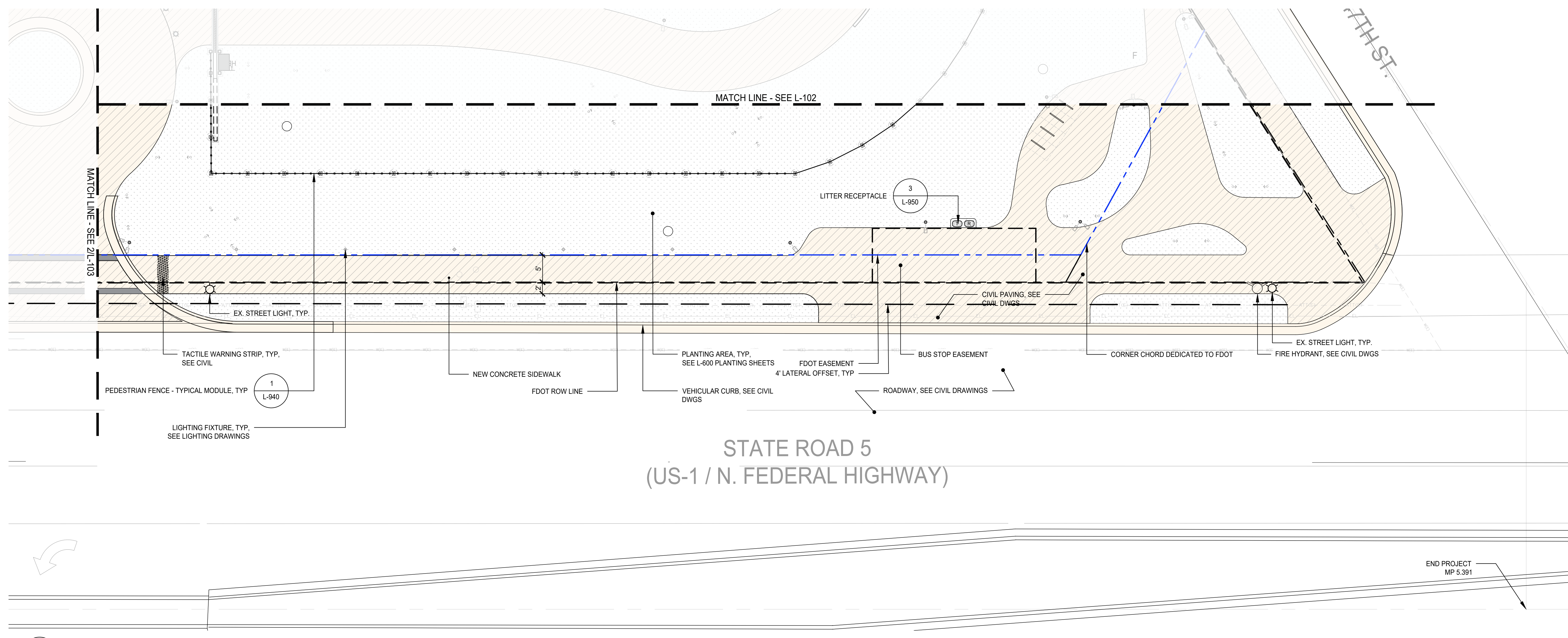
**NOTES:**  
SEE L-003 FOR MATERIAL NOTES

**GROUND FLOOR MATERIALS LEGEND**

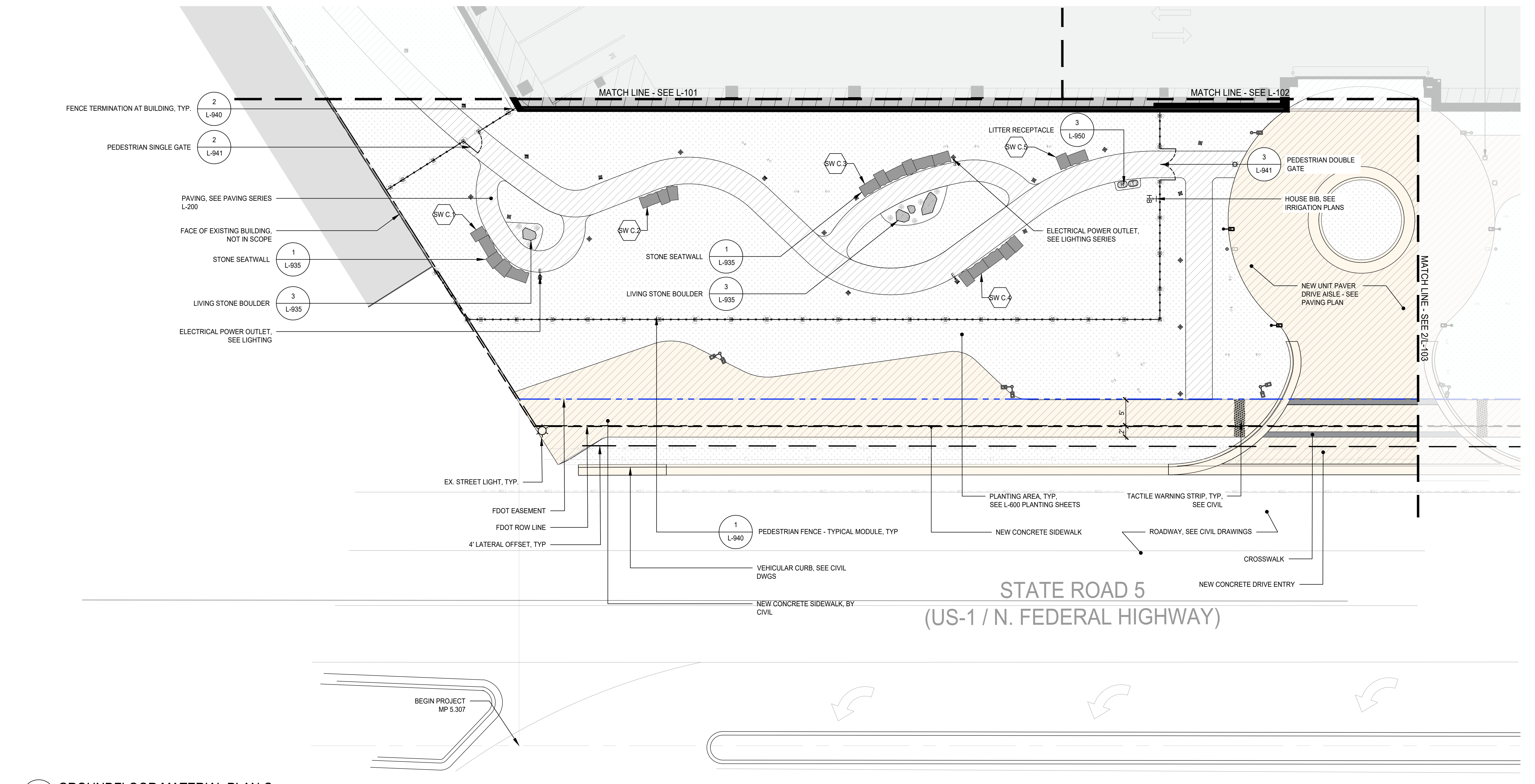
- LIMIT OF WORK
- PROPERTY / R.O.W. LINE
- BUILDING ENTRY, SEE ARCH DWGS
- BUILDING ABOVE, SEE ARCH DWGS
- FACE OF BUILDING/GARAGE EXTENT, SEE ARCH DWGS
- EDGE OF GARAGE PAVEMENT, SEE ARCH DWGS
- ROOT BARRIER
- 1 L-840 PEDESTRIAN FENCE
- 2 L-841 PEDESTRIAN SINGLE GATE
- 1 L-844 ROLLING VEHICULAR GATE
- TRASH ENCLOSURE, SEE ARCHITECTURE
- PAVING AREA, SEE L-200 SERIES
- PLANTING AREA, SEE L-600 PLANTING SERIES
- CIVIL SCOPE
- TACTILE WARNING STRIP, SEE CIVIL
- 2 L-950 BICYCLE RACK
- 3 L-950 LITTER RECEPTACLE
- 1 L-935 STONE SEATWALL
- 3 L-935 LIVING STONE BOULDER
- 2 L-935 STONE BOULDER
- 1.2 L-936 STONE FEATURE - ENLARGEMENT PLAN
- 1 L-950 FLAGPOLE
- LIGHT FIXTURE, SEE L-300 LIGHTING SERIES
- ELECTRICAL POWER OUTLET, SEE LIGHTING
- HOSE BIB
- 5 L-970 TRENCH DRAIN
- BOLLARD
- FIRE HYDRANT, SEE CIVIL DWGS

**FDOT GENERAL NOTES**

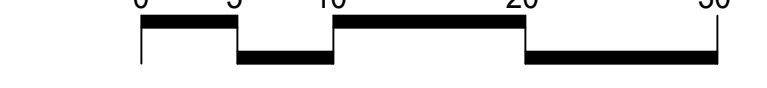
- 1 GOVERNING STANDARD PLANS:  
Florida Department of Transportation, FY 2023-24 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs) are available at the following website:  
<https://www.flot.gov/designstandards/plans>
- 2 GOVERNING STANDARD SPECIFICATIONS:  
Florida Department of Transportation, FY 2023-24 Standard Specifications for Road and Bridge Construction at the following website:  
<https://www.flot.gov/programmanagement/implemented/specbooks>
- 3 Contractor shall repair all damage done to FDOT property during demolition, relocation &/or installation activities at his sole expense.
- 4 Any plant material substitution within or impacting the FDOT Right of Way whether requested by the Contractor, Owner, Landscape Architect or other will need to get approval from the FDOT District Landscape Architect.
- 5 Ownership of all suitable excavated materials, as determined by the Department, shall remain in the Department until a final acceptance of the permitted project is fulfilled. Excavated materials shall be hauled by the Permittee, at their cost & expense from the site to the FDOT Broward Operations Center or stockpiled in those areas as directed by the Department, including asphalt millings.



2 GROUND FLOOR MATERIAL PLAN D

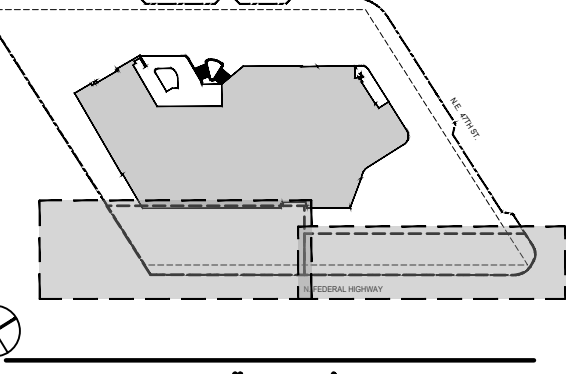


1 GROUND FLOOR MATERIAL PLAN C



**REVISION INFORMATION**

NO.	DATE	DESCRIPTION



SCALE 1" = 10'  
PROJECT # 2218  
ISSUE DATE 2023.04.21

MATERIALS PLAN - GROUND FLOOR  
C + D



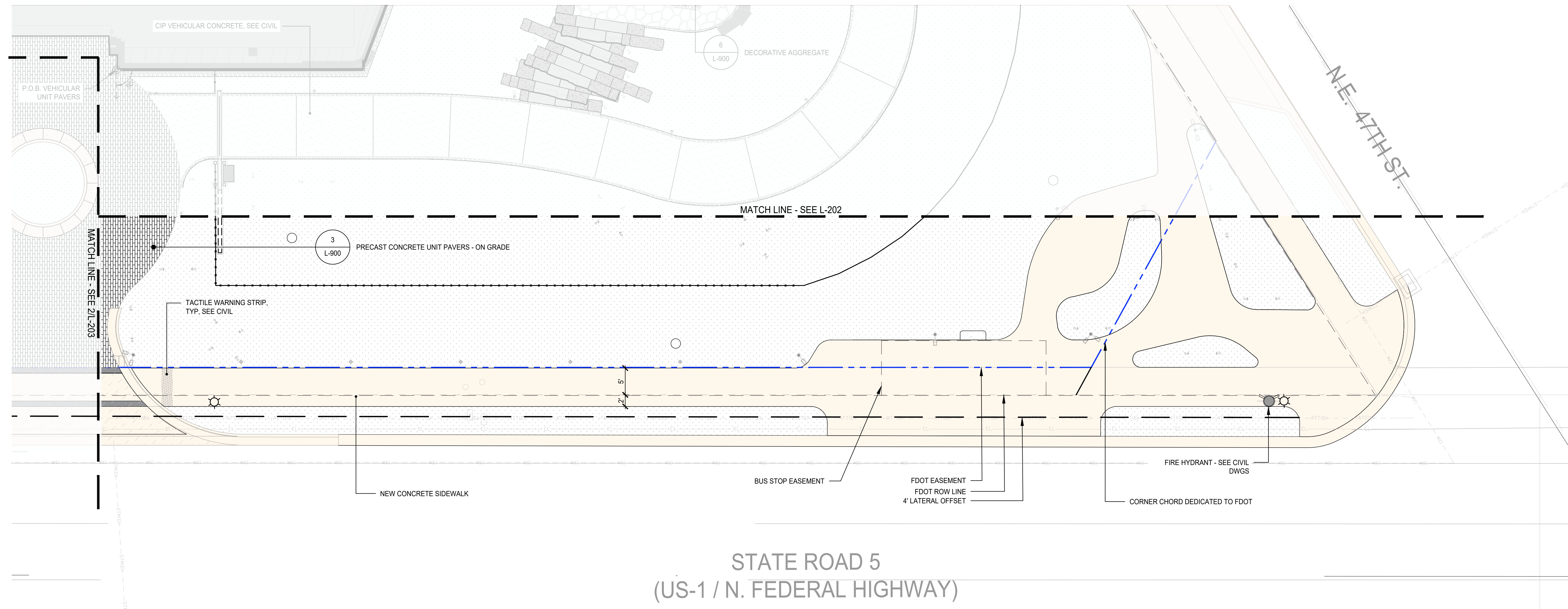
**FOOT GENERAL NOTES**

1. GOVERNING STANDARD PLANS:  
Florida Department of Transportation, FY 2023-24 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs) are available at the following website:  
<https://www.fdot.gov/design/standardsplans>
2. GOVERNING STANDARD SPECIFICATIONS:  
Florida Department of Transportation, FY 2023-24 Standard Specifications for Road and Bridge Construction at the following website:  
<https://www.fdot.gov/programmanagement/implemented/specbooks>
3. Contractor shall repair all damage done to FDOT property during demolition, relocation &/or installation activities at his sole expense.
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5. Ownership of all suitable excavated materials, as determined by the Department, shall remain in the Department until a final acceptance of the permitted project is fulfilled. Excavated materials shall be hauled by the Permittee, at their cost & expense from the site to the FDOT Broward Operations Center or stockpiled in those areas as directed by the Department, including asphalt millings.

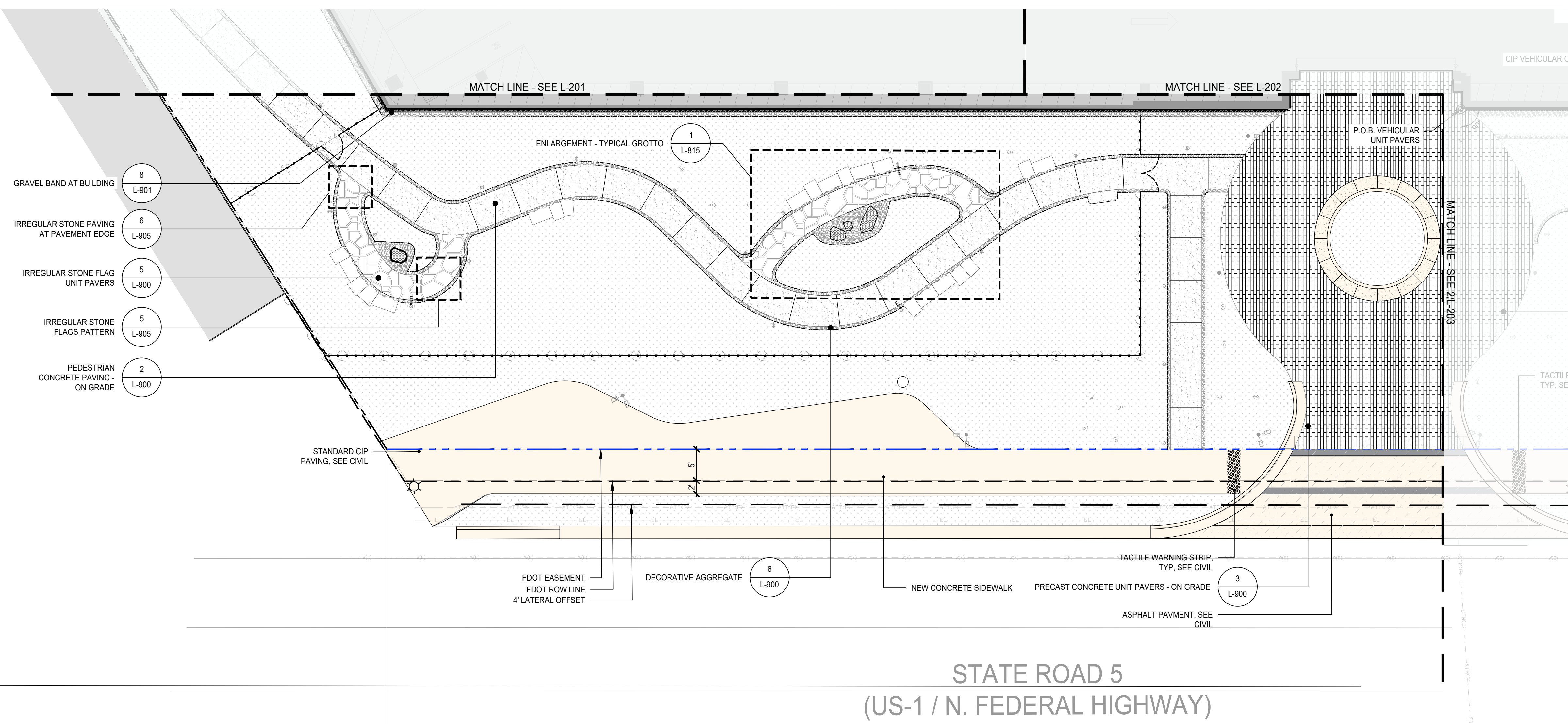
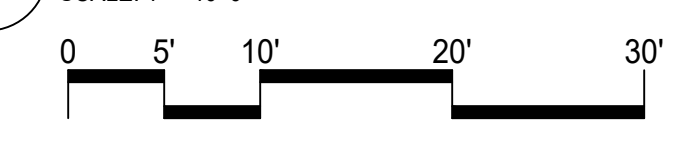
**NOTES:**  
SEE L-200 FOR PAVING NOTES

**GROUND FLOOR PAVING LEGEND**

- LIMIT OF WORK
- PROPERTY LINE
- BUILDING ENTRY, SEE ARCH DWGS
- BUILDING ABOVE, SEE ARCH DWGS
- FACE OF BUILDING/GARAGE EXTENT, SEE ARCH DWGS
- EDGE OF GARAGE PAVEMENT, SEE ARCH DWGS
- PEDESTRIAN FENCE
- DRIP DROP GATE - PEDESTRIAN SINGLE
- ROLLING VEHICULAR GATE
- PLANT PROTECTION FENCE
- TRANSFORMER / TRASH ENCLOSURE, SEE ARCHITECTURE
- CIVIL SCOPE
- CAST-IN-PLACE CONCRETE SIDEWALK, SEE CIVIL
- PEDESTRIAN CIP CONCRETE PAVING - ON GRADE
- VEHICULAR CIP CONCRETE PAVING - ON GRADE
- PRECAST CONCRETE UNIT PAVERS - ON GRADE
- IRREGULAR STONE FLAG UNIT PAVER
- ASPHALT (VEHICULAR DRIVE), SEE CIVIL DWGS
- GRAVEL BAND AT PLANTING
- DECORATIVE AGGREGATE
- PLANTING AREA
- LIGHT FIXTURES, SEE LIGHTING
- BOLLARD, SEE L-102
- FIRE HYDRANT - SEE CIVIL
- PLANTING AREA



**2 GROUND FLOOR PAVING PLAN D**  
SCALE: 1" = 10'-0"



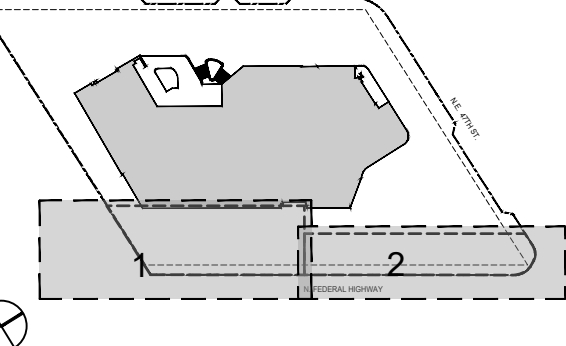
**1 GROUND FLOOR PAVING PLAN C**  
SCALE: 1" = 10'-0"



**REVISION INFORMATION**

NO.	DATE	DESCRIPTION

**SITE LEGEND**



SCALE 1" = 10'-0"  
PROJECT # 2218  
ISSUE DATE 2023.04.21

PAVING PLAN - GROUND FLOOR C + D

### FDOT GENERAL NOTES

- GOVERNING STANDARD PLANS: Florida Department of Transportation, FY 2023-24 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs) are available at the following website: <https://www.fdot.gov/design/standardsplans>
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- Ownership of all suitable excavated materials, as determined by the Department, shall remain in the Department until a final acceptance of the permitted project is fulfilled. Excavated materials shall be hauled by the Permittee, at their cost & expense from the site to the FDOT Broward Operations Center or stockpiled in those areas as directed by the Department, including asphalt millings.

### FDOT PLANTING NOTES

- 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: <https://www.fdot.gov/design/standardsplans/2023/idx/580-001.pdf>
- For the portion of landscape plant material that will be installed within the FDOT Right of Way refer to the FDOT Standard Plans Index 580-001 Landscape Installation. Online Reference: <https://www.fdot.gov/design/standardsplans/2023/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 and Landscaping Inspector upon inspection.
- Sodded areas will be in accordance with Standard Plans Index 570-010 and Standard Specifications Sections 162, 570, 981, 982, 983, 987 of the Department's latest edition of Governing Design Standards and Standard Specifications. All disturbed areas will be sodded within one (1) week of installation of said permitted work.

NOTE: SEE L-600.1 FOR PLANTING SCHEDULE

### GROUND FLOOR MATERIALS LEGEND

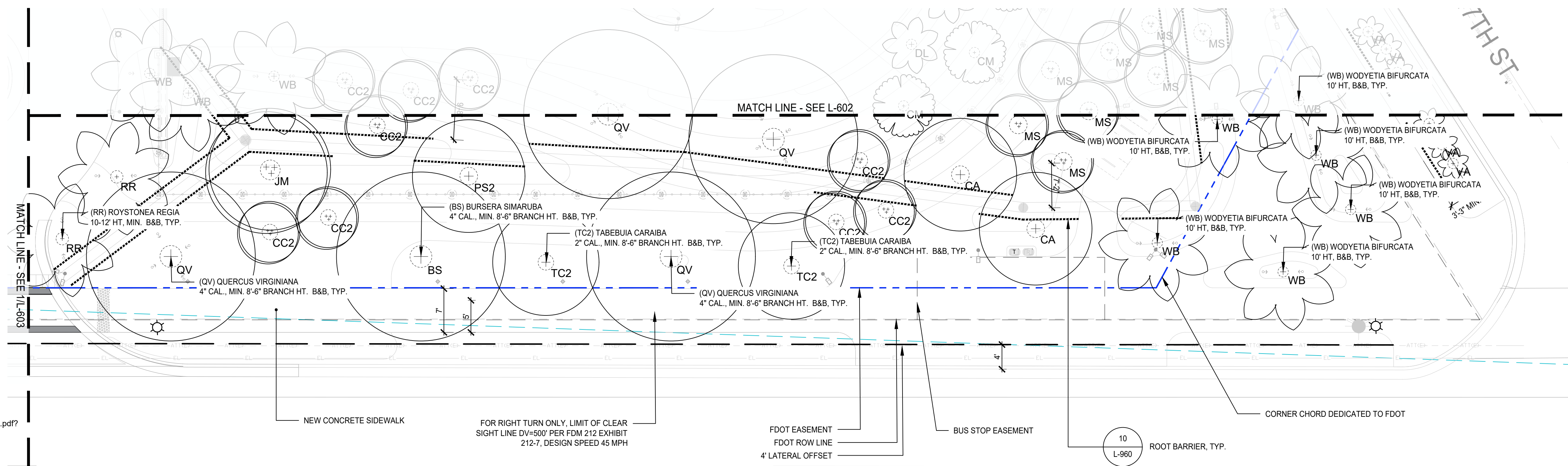
- PROPERTY / R.O.W. LINE
- ROOT BARRIER
- BUILDING ENTRY, SEE ARCH DWGS
- BUILDING ABOVE, SEE ARCH DWGS
- PEDESTRIAN FENCE
- PEDESTRIAN SINGLE GATE
- ROLLING VEHICULAR GATE
- TRASH ENCLOSURE, SEE ARCHITECTURE

### GROUND FLOOR PLANTING LEGEND

- TREES
- PALM TREES
- SHRUBS
- PERENNIALS
- BROAD LEAF TROPICALS

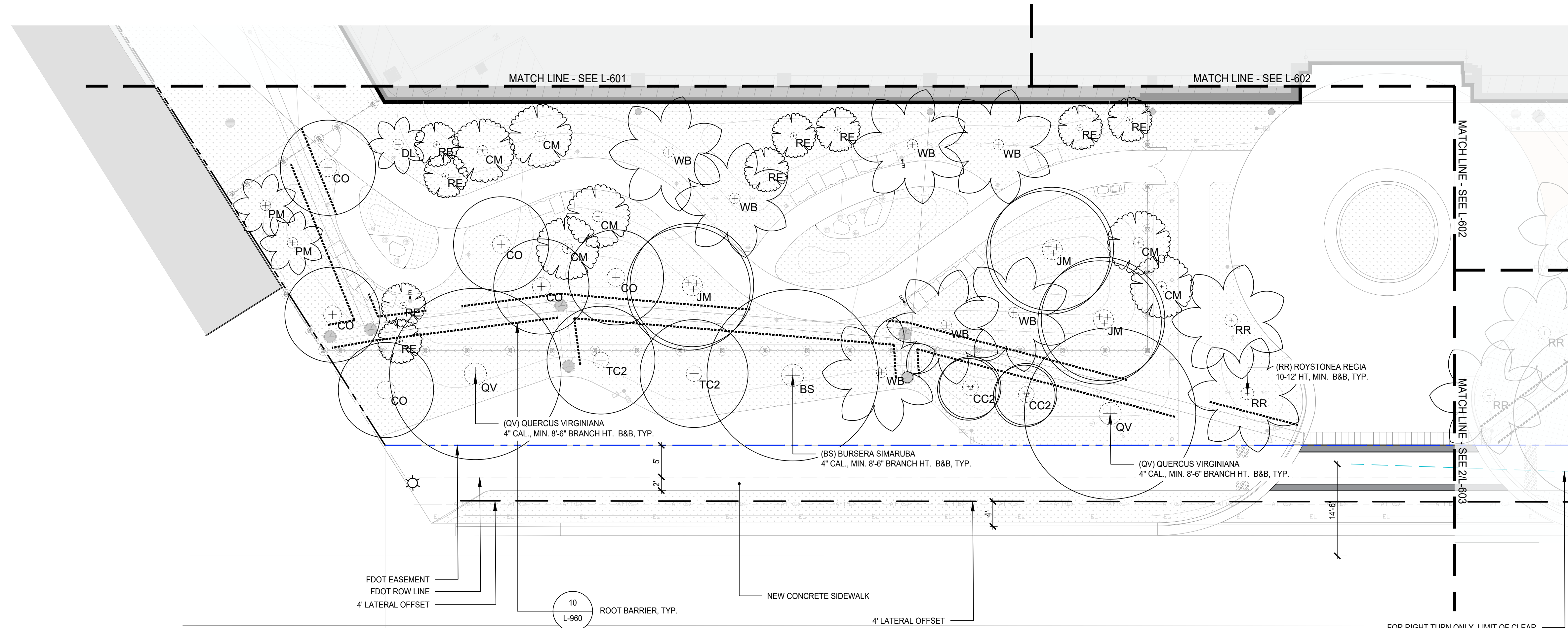
### PLANT SCHEDULE

TREES	CODE	BOTANICAL NAME	COMMON NAME
•	BB	BALHINA X BLAKEANA	HONG KONG ORCHID TREE
•	BS	BURSERIA SIMARUBA	GUMBO LIMBO
•	CC2	CANESALPINA PLUCHERRIMA	SHAWEE PONCIANA TREE
•	CO	CANAWA GEORATA	YLANG-YLANG
•	CS2	CHARENREKULUM SPANGLUM	FLORIDA FIDDLEWOOD
•	CA	GLUSA ROSEA	AUTOGRAFF TREE
•	CB	CONOCARPUS ERECTUS	BUTTONWOOD
•	CB	CONOCARPUS ERECTUS BERCEUS	SILVER BUTTONWOOD
•	JM	JACARANDA MIMOSIFOLIA	JACARANDA MULTI TRUNK
•	MS	MANGOLIA VIRGINIANA	SWEETBAY MANGOLIA
•	PL2	FLUMERIA OBTUSA	SINGAPORE WHITE FLUMERIA
•	QV	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK
•	TC2	TABERUIA CARAIBA	SILVER TRUMPET
PALM TREES	CODE	BOTANICAL NAME	COMMON NAME
☉	AA	ARCHONTOPHOENIX ALEXANDRAE	ALEXANDRA PALM
☉	CV	CARYOTA MITIS	CLUMPING FISHTAIL PALM
☉	CF	COCCOPTHINAX ARGENTATA	FLORIDA SILVER PALM
☉	DL	DYPSIS LUTESCENS	ARECA PALM
☉	PM	PYCHOSPERMA MACARTHURI	MACARTHUR PALM
☉	RE	RHAPS EXCELSA	LADY PALM
☉	RR	ROYSTONEA REGIA	ROYAL PALM
☉	SS2	SABAL PALMETTO	CABBAGE PALMETTO
☉	TV	VEITCHIA ARBorea	MONTEGOMERY PALM
☉	WB	WODYETIA BIFURCATA	FOXTAIL PALM



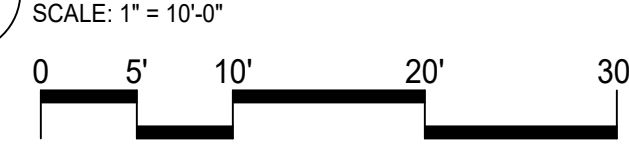
## STATE ROAD 5 (US-1 / N. FEDERAL HIGHWAY)

2 GROUND FLOOR CANOPY PLAN D  
SCALE: 1" = 10'-0"



## STATE ROAD 5 (US-1 / N. FEDERAL HIGHWAY)

1 GROUND FLOOR CANOPY PLAN C  
SCALE: 1" = 10'-0"



### REVISION INFORMATION

NO.	DATE	DESCRIPTION



SCALE AS SHOWN  
PROJECT # 2218  
ISSUE DATE 2023.04.21

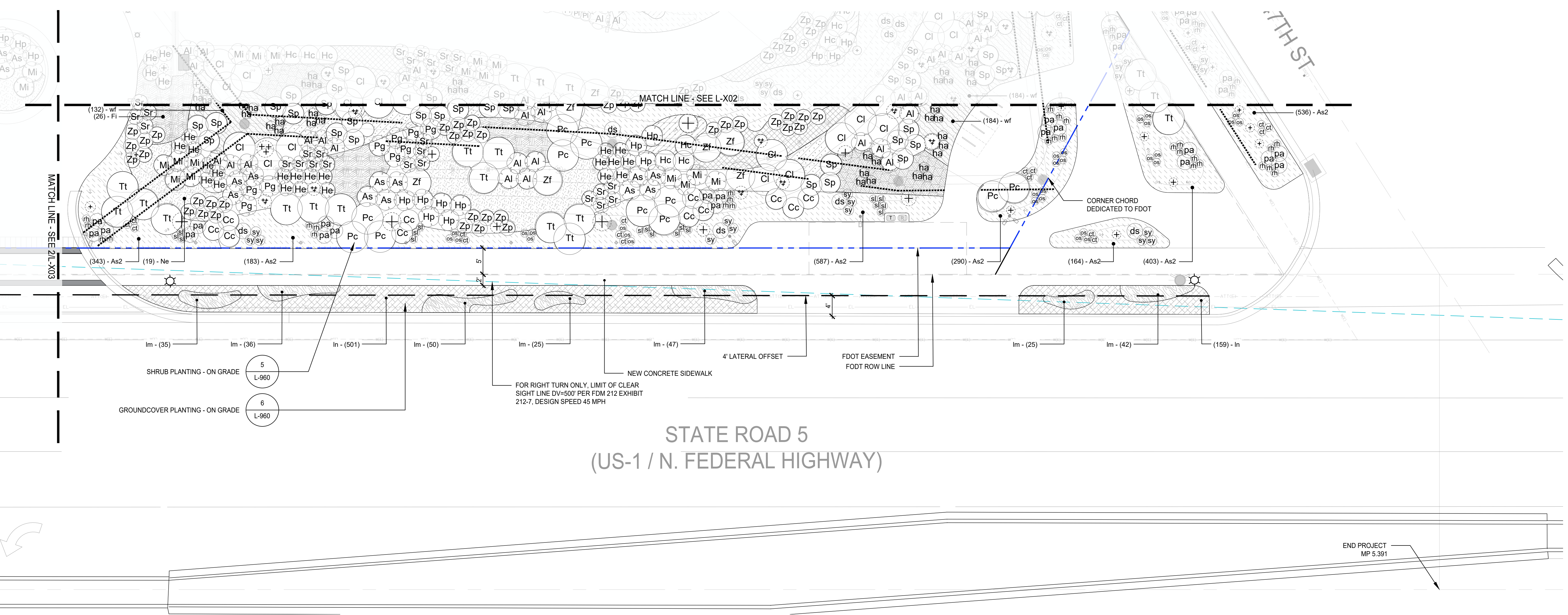
SR 5 DESIGN SPEED = 45 MPH  
FDOT LANDSCAPE PERMIT NUMBER: 2024-L-491-00006



NOTE: SEE L-600 FOR COMPLETE PLANTING SCHEDULE

- GROUND FLOOR MATERIALS LEGEND**
- PROPERTY / R.O.W. LINE
  - ROOT BARRIER
  - ▲ BUILDING ENTRY, SEE ARCH DWGS
  - BA BUILDING ABOVE, SEE ARCH DWGS
  - PEDESTRIAN FENCE
  - PEDESTRIAN SINGLE GATE
  - ROLLING VEHICULAR GATE
  - TRASH ENCLOSURE, SEE ARCHITECTURE
  - PAVING AREA, SEE L-200 SERIES
- GROUND FLOOR PLANTING LEGEND**
- TREES
  - PALM TREES
  - SHRUBS
  - PERENNIALS
  - BROAD LEAF TROPICALS

PLANT SCHEDULE	CODE	BOTANICAL NAME	COMMON NAME
SHRUBS	Ac	ALLAMANDA CATHARTICA 'COMPACTA'	DWARF ALLAMANDA
	Ci	CHEYSBOLANUS KAZO YED TIP	RED TIP COCO PLUM
	Cj	CLETHRA ALNFOLIA	SUMMERSWEET
	Cc	CLUSIA FLAVA	CLUSIA
	Ca3	CODAEUM VAREGATUM 'HER HIGHNESS'	HER HIGHNESS CROTON
	Ck	CODAEUM VAREGATUM 'KING OF SIAM'	KING OF SIAM CROTON
	Cm3	CODAEUM VAREGATUM 'MAGNIFICENT'	MAGNIFICENT CROTON
	Rs	CORYDINE FLURIGOSA 'RED SISTER'	RED SISTER TI PLANT
	Hc	HAMELIA PATENS 'COMPACTA'	DWARF FIREBUSH
	Mc	MALPIGHIA CODICIFERA	SINGAPORE HOLLY
	Pi	PACHYSTACHYS LUTEA	LOLLIPOP PLANT
	Pl	PLUMBAGO AURICULATA	PLUMBAGO
	Sh	SANOECHIA SPECIOSA	SHRUBBY WHITEVEIN
	Sp	SERENIA REPENS	SAW PALMETTO
	Sc	SPATHIPHYLLUM SP.	PEACE LILY
	Th	THRYALLIS GLAUCA	THRYALLIS
	Ti	TIBOUCHINA LEPTOTA	DWARF TROCHODENDRON
	Zi	ZAMIA FURFURACEA	CARDBOARD PALM
	Zp	ZAMIA PUMILA	COONIE CYCAD
ACCENT GRASSES AND PERENNIALS			
	Ct	CORDEPSIS FLORIDANA	COASTAL PLAINS TICKSEED
	Ds	DANIELLA TASHMANICA 'BLUEBERRY'	BLUEBERRY FLAXLILY
	ds	HELIANTHUS DEBIUS	DUKE SUNFLOWER
	ss	DIANTHEM SIMULANS	SOUTHERN BEERLOSSOM
	rh	RHOECHRA HIRTA	BLACK-EYED SUSAN
	st	STOKESIA LAEVIS	STOKES' ASTER
	sy	SYMPHYOTEROSUM ELIOTTI	ELLIOTT'S ASTER
BROAD LEAF TROPICALS			
	Af	ALOCASIA PRYORAE	ALOCASIA
	As	ALOCASIA SAUBIAN	ALOCASIA
	Al	ALOCASIA SP.	ALOCASIA
	Fa	FARFUGIUM JAPONICUM	LEOPARD PLANT
	Hs	HEDEYUNUM CORDONARUM	WHITE GINGER
	Hr	HELIODONIA ROTATA	LOBSTER CLAW
	Mi	MONSTERA DELICIOSA	MONSTERA
	Pg	PHILODENDRON 'CONGO GREY'	CONGO GREEN PHLODENDRON
	Pr	PHILODENDRON 'CONGO RED'	CONGO RED PHLODENDRON
	Sa	STRELITZIA NICOLAI	GIANT BIRD OF PARADISE
	Sr	STRELITZIA REGINAE	BIRD OF PARADISE
BULBS			
	ha	HABRANTHUS ANDERSONI	RAIN LILY
	lr	HYMENOCALLIS CAROLINA	WHITE SPIDER LILY
GRASSES			
	pa	PENNISETUM SETACEUM 'ALBA'	WHITE FOUNTAIN GRASS



2 GROUND FLOOR CANOPY PLAN D  
SCALE: 1" = 10'-0"  
0 5' 10' 20' 30'

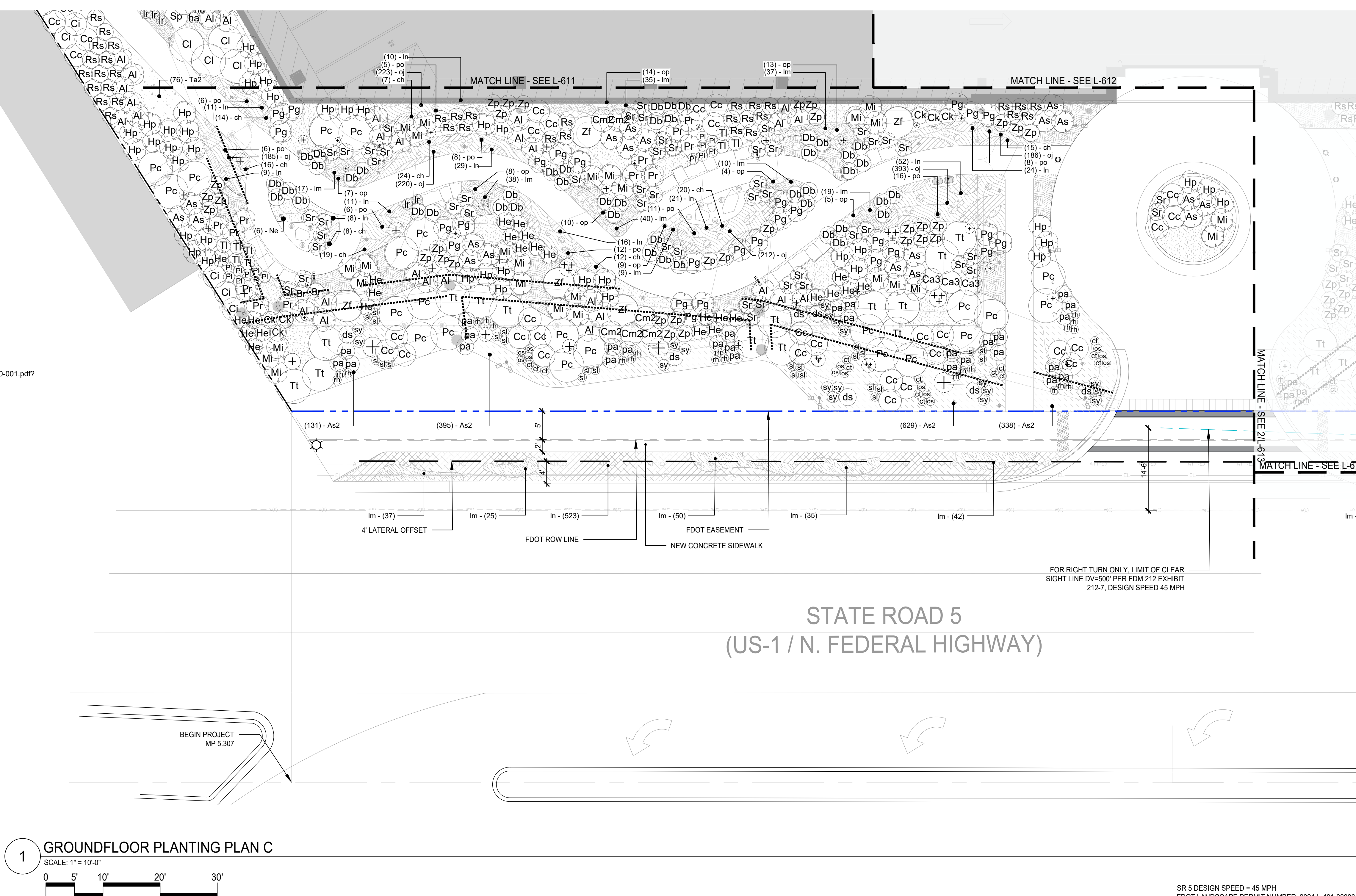
**FDOT GENERAL NOTES**

1. GOVERNING STANDARD PLANS: Florida Department of Transportation, FY 2023-24 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs) are available at the following website: <https://www.fdot.gov/design/standardplans>
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3. Contractor shall repair all damage done to FDOT property during demolition, relocation &/or installation activities at his sole expense.
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**FDOT PLANTING NOTES**

1. For the portion of landscape plant material that will be installed within the FDOT Right of Way, landscape installation shall comply with current applicable FDOT Maintenance Specification 580. Online Reference: <https://fdotwww.blob.core.windows.net/sefinty/docs/default-source/design/standardplans/2023/idx/580-001.pdf?sfvrsn=5800000d-722-117992.pdf>
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3. Cypress Mulch is not permitted on FDOT right of way. Mulch permitted to be used are Hardwood Mulch (containing no Cypress products), Recycled Mulch or approved equal, certified by the Mulch and Soil Council (MSC). Submit proof of certification to the FDOT District Operations Permit Landscape Inspector upon inspection.
4. Sodded areas will be in accordance with Standard Plans Index 570-010 and Standard Specifications Sections 162, 570, 981, 982, 983, 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.

SHRUB AREAS	CODE	BOTANICAL NAME	COMMON NAME
	B	ERINODEA LITTORALIS	GOLDEN CREEPER
	F	FICUS MICROCARPA 'GREEN ISLAND'	GREEN ISLAND INDIAN LAUREL FIG
BROAD LEAF TROPICALS			
	Aa	ALPHESTRA ELATOR	CAST IRON PLANT
	Pv	PHILODENDRON X 'NANANU'	XANANU PHLODENDRON
PERENNIALS			
	N	NEPHROLEPIS EXALATA	BOSTON FERN
GROUND COVERS			
	Ac	ACALYPHA PENDELA	TRAILING CHENILLE
	Ar	ARACHIS GLABRATA	PERENNIAL PEANUT
	Bg	BEGONIA X 'DRAGON WING RED'	DRAGON WING RED BEGONIA
	Lr	LIRIOPE MUSCARI	LILYPURP
	Ar	ARACHIS GLABRATA	PERENNIAL PEANUT
	Gr	GYPHOSPERM JAPONICUS	MORNING GRASS
	Pp	PEPEROMIA GRUBIFOLIA	BABY RUBBER PLANT
	Ta2	TRACHELOSPERMUM ASIATICUM	ASIATIC JASMINE
	Op	ORCHIDANTHA SPATHACEA 'DWARF'	DWARF ORCHID PLANT
ACCENT PERENNIALS			
	Or	ORCHIDANTHA SPATHACEA 'DWARF'	DWARF ORCHID PLANT
PERENNIALS			
	Or	ORCHIDANTHA SPATHACEA 'DWARF'	DWARF ORCHID PLANT
GRASSES			
	Ar	ARISTIDA STRICTA	PINELAND THREEAWN
	Tf	TRIPSACIUM FLORIDANUM	FLORIDA GAMAGRASS



1 GROUND FLOOR PLANTING PLAN C  
SCALE: 1" = 10'-0"  
0 5' 10' 20' 30'

**SECTION: 86020000**  
**PERMIT: 2024-L-491-00006**  
**COUNTY: Broward**  
**STATE RD: 5**

**EXHIBIT C**

**MAINTENANCE PLAN FOR LANDSCAPE IMPROVEMENTS**

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

*Please see attached*

# MAINTENANCE PLAN

## Landscape Improvements

**Project State Road No(s):** State Road 5 (N Federal Hwy) from (M.P. 5.307) to 47<sup>th</sup> St (M.P. 5.391)  
**Permit or FM No(s):** 2024-L-491-00006  
**RLA of Record:** SCAPE  
**Maintaining Agency:** City of Fort Lauderdale  
**Date:** November 12<sup>th</sup>, 2024

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*The purpose of a plan for the Landscape Improvements maintenance practices is to allow the plant material on the project to thrive in a safe and vigorous manner while fulfilling their intended purpose and conserving natural resources. Plantings and all other landscape improvements within FDOT right of way shall be maintained to avoid potential roadway hazards and provide clear visibility, accessibility, clearance, and setbacks as set forth and required in the following Florida Department of Transportation (FDOT) governing standards and specifications: FDOT Standard Plans, FDOT Plans Design Manual and FDOT Standard Specifications for Road and Bridge Construction, as amended by contract documents, and all other requirements set forth by the District 4 Operations Maintenance Engineer.*

*Part I of the Maintenance Plan describes general maintenance requirements and recommendations that are standard for all projects. Part II provides recommendations prepared by the Registered Landscape Architect of Record specific to the attached approved plans.*

### **PART I. GENERAL MAINTENANCE REQUIREMENTS AND RECOMMENDATIONS:**

#### **WATERING REQUIREMENTS**

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

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

#### **IRRIGATION SYSTEM**

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

#### **MULCHING**

Mulch planting beds to prevent weed growth, retain moisture to the plants, protect against soil erosion and nutrient loss, maintain a more uniform soil temperature, and improve the appearance of the planting beds. Do not mound mulch against the trunks of trees, palms, and the base of shrubs to allow air movement which aids in lowering disease susceptibility. Cypress mulch is prohibited on state right of way.

#### **INTEGRATED PLANT MANAGEMENT**

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

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

#### **PRUNING**

All pruning, and the associated safety criteria, shall be performed according to American National Standard Institute (ANSI) A300 standards and shall be supervised by an International Society of Arboriculture (ISA) Certified Arborist. Pruning shall be carried out with the health and natural growth of plant materials in mind, to achieve the FDOT requirements for maintaining clear visibility for motorists, and provide vertical clearance for pedestrian, bicyclist, and truck traffic where applicable. Visibility windows must be maintained free of view obstructions, and all trees and palms must be maintained to prevent potential roadway and pedestrian hazards. All palms are to be kept fruit free. The understory plant materials selected for use within the restricted planting areas (Limits of Clear Sight) are to be mature height in compliance with the *FDM Window Detail*. Vertical clear zones for vegetation heights over roadways and sidewalks must meet the requirements of the *FDOT Maintenance Rating Program (MRP)* standards. See Reference pages. The R.L.A. of Record will provide the specific pruning heights for mature or maintained height and spread of all plant material to achieve the design intent shall be noted in Part II., Specific Project Site Maintenance Requirements and Recommendations.

### **STAKING AND GUYING**

All staking materials are to be removed after one year or as directed by the RLA of Record.). Any subsequent staking and guying activities by the Agency must adhere to *FDOT Standard Plans* guidelines (See Index 580-001). The Agency shall closely monitor staking and guying attachment materials so that they are securely fastened to avoid potential roadway hazards.

### **TURF MOWING**

All grassed areas are to be mowed and trimmed with sufficient frequency to maintain a deep, healthy root system while providing a neat and clean appearance to the urban landscape. All turf efforts, mowing, curb/sidewalk edging and turf condition, must at a minimum, meet *FDOT Maintenance Rating Program (MRP)*.

### **LITTER CONTROL**

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

### **WEEDING/HERBICIDE**

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

### **PLANT REPLACEMENT**

Plant replacement shall be the same species and specification as the approved plan. Move and replace all plant materials that may conflict with utility relocations and service. Only plants graded Florida #1 or better, per the *Florida Department of Agriculture and Consumer Services, Grades and Standards for Nursery Plants* are permitted on FDOT roadways. Should it become necessary to change the species, a permit is required from FDOT for approval by the FDOT District Landscape Architect.

### **TREE CELL STRUCTURES**

Underground tree cells shall be maintained in such a manner as to prolong the life of the structure and prevent potential safety hazards. If the structures fail or become damaged, they shall be replaced with the same type and specification as the approved plan.

### **LANDSCAPE ACCENT LIGHTING**

Landscape accent lighting shall be maintained in such a manner as to prolong the life of the lighting fixture and prevent potential safety hazards. If the lighting fixtures and their system become damaged, they shall be replaced

with the same type and specification as the approved plan. Landscape lighting shall meet requirements for the sea turtle nesting and hatching.

#### **HARDSCAPE (SPECIALTY SURFACING)**

All tree grates and specialty surfacing (if applicable) shall be maintained in such a manner as to prevent any potential tripping hazards and protect damage to the surfacing and tree grates. Final surface tolerance from grade elevations shall, at a minimum, meet the most current FDOT Maintenance Rating Program Handbook for a sidewalk; ADA accessible sidewalk; and FDOT Design Standards for Design, Construction, Maintenance and Utility Operations on The State Highway System. If the specialty surfacing or tree grates become damaged, they shall be replaced with the same type and specification as the approved plan.

#### **HARDSCAPE (CONCRETE PAVERS)**

All concrete pavers (if applicable) shall be maintained in such a manner as to prevent any potential tripping hazards and protect damage to the pavers. Final surface tolerance from grade elevations shall, at a minimum, meet the most current *Interlocking Concrete Pavement Institute (ICPI), Guide Specifications for Pavers on an Aggregate Base, Section 23 14 13 Interlocking Concrete Pavers, Part 3.05*. If the concrete pavers become damaged, they shall be replaced with the same type and specification as the approved plan.

It shall be the responsibility of the AGENCY to maintain all signs located within a non-standard surfacing area. Such maintenance to be provided by the AGENCY shall include repair and replacement of the sign panel, post, and base.

#### **HARDSCAPE (NON-STANDARD TRAVELWAY SURFACING)**

It shall be the responsibility of the AGENCY to restore an unacceptable ride condition of the roadway, including asphalt pavement (if applicable), caused, or contributed by the installation or failure of non-standard surfacing, and/or the header curb, on the Department of Transportation right of way within the limits of this Agreement. Pavement restoration areas or "patches" will have a minimum length of 10-ft, measured from the edge of the header curb, and a width to cover full lanes for each lane affected by the restoration.

Pavement restoration will be performed in accordance with the most current edition of the *FDOT Standard Specifications for Road and Bridge Construction*, and the *FDOT Design Standards for Design, Construction, Maintenance and Utility Operations on the State Highway System*.

#### **SITE FURNISHINGS**

Site furnishing such as Trash Receptacles, Benches, Bollards and Bicycle Racks shall be maintained in such a manner as to prolong the life of the fixture and prevent potential safety hazards. If the fixtures and their overall function and mounting systems become damaged, they shall be replaced with the same type and specification as the approved plan.

#### **MAINTENANCE OF TRAFFIC CONTROL**

Reference the FDOT website regarding the selection of the proper traffic control requirements to be provided during routine maintenance and / or new installations of this DOT roadway.

#### **VEGETATION MANAGEMENT AT OUTDOOR ADVERTISING (ODA) (IF APPLICABLE)**

To avoid conflicts with permitted outdoor advertising, please reference the State of Florida website regarding the vegetation management of outdoor advertising. This website provides a portal to search the FDOT Outdoor Advertising Inventory Management System Database. The database contains an inventory of outdoor advertising structures, permits and other related information maintained by the Department.

Also, reference the *Florida Highway Beautification Program* website link for *Vegetation Management at ODA signs* Florida Statutes and Florida Administrative Code related to vegetation management at outdoor advertising sign, permit applications for vegetation management and determining mitigation value of roadside vegetation.

**PART II.**  
**SPECIFIC PROJECT SITE MAINTENANCE REQUIREMENTS AND RECOMMENDATIONS**

1. R.L.A. to provide brief description of design intent: Within the FDOT Right of Way, the intent is to plant a dense understory of Florida-appropriate groundcovers made up of creeping jenny and liriopse. Within the corner chord, a dense understory is introduced, carried over from the primary site landscape. This understory is comprised of woody and herbaceous shrubs, herbaceous perennials, and grasses.
2. Remove suckering growth from base and clear trunk areas for single and multi-trunked trees on a quarterly basis.
3. To maintain the intended appearance of all palms, apply the latest palm fertilizer recommended by the University of Florida IFAS Extension per the manufacturer's specifications, and at a rate of application and ratio to meet the needs outlined in soil testing.
4. To maintain the intended appearance of all shrubs, apply the latest fertilizer recommended by the University of Florida IFAS Extension per the manufacturer's specifications, and at a rate of application and ratio to meet the needs outlined in soil testing.
5. Do not remove fronds from self-cleaning palms, unless damaged. Palms with persistent fronds shall only have dead fronds removed, do not remove any green fronds. If it is deemed necessary to prune a palm's fronds, no fronds shall be trimmed above 3 o'clock and 9 o'clock on the horizontal plain.
6. Groundcover and shrub horizontal growth shall be maintained to prevent foliage from growing beyond the limits of the planting areas shown on the plan. Maintain groundcover foliage flush to the edge of curb, pavement, sidewalk and/or other hardscape improvements. Maintain shrub and perennial foliage to within 6" setback of curb, pavement, sidewalk and/or other hardscape improvements.
7. **(Provide a list of groundcovers and shrubs individually or in groups)**  
Maintain the vertical height of:  
Veitchia arecina (Va) up to mature height, typically 35'  
Wodyetia bifurcata (Wb) up to mature height, typically 25'  
  
Liriopse muscari (Im) between 6" and 12", full to ground  
Lysimachia nummularia (In) between 3" and 6", full to ground  
Oenothera simulans (os) between 30" and 48", full to ground  
Rudbeckia hirta (rh) between 12" and 36", full to ground  
Thyallis glauca (Tt) between 36" and 60", full to ground  
  
Aristida stricta (As2) mature height between 36" and 48"; cut back dead or damaged foliage as needed to promote new growth.  
Pennisetum setaceum 'Alba' (pa) mature height between 36" and 60"; cut back late winter or early spring to 6" to 8" height.
8. Inspect groundcovers and shrubs on a monthly basis for maintaining full ground coverage.
9. Evaluate plant material on a monthly basis for pests, diseases, drought stress or general decline. If required, follow the integrated pest management program established by the Agency to ensure healthy plants.
10. Inspect the irrigation system performance on a monthly basis to ensure the system is providing 100% coverage, does not have sections of low pressure, heads and valves are clean and clear of debris and any damaged irrigation components (i.e., spray nozzles, spray heads, valve boxes, etc.) are repaired or replaced.



## **REFERENCES (Sept. 2024)**

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

### **Accessible Sidewalk (ADA)**

- *Accessible Sidewalks and Street Crossings* <https://fdotwww.blob.core.windows.net>
- *Sidewalks and Trails* <https://www.fdot.gov/roadway/ada/sidewalksandtrails.shtm>
- *ADA Standards for Accessible Design* <https://www.ada.gov/law-and-regs/design-standards/>

**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/> / <https://tcimag.tcia.org/training/introducing-the-newly-designed-ansi-a300-tree-care-standards/>

**Building Codes & Standards**, Florida Department of Community Affairs (DCA),  
*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\\_11\\_w\\_fl\\_a\\_specifics.htm](http://www.floridabuilding.org/fbc/workgroups/Accessibility_Code_Workgroup/Documentation/CHAPTER_11_w_fl_a_specifics.htm)

**Florida Dept. of Agriculture and Consumer Services, Division of Plant Industry**, *Florida Grades and Standards for Nursery Plants 2022* <https://sfyl.ifas.ufl.edu/media/sfylifasufledu/hillsborough/docs/pdf/environmentalhort/grades-and-standards-for-nursery-plants-2022.pdf>

**FDOT Maintenance Specifications Workbook** <https://www.fdot.gov/programmanagement/maintenance>

- *Section 580 Landscape Installation* [https://fdotwww.blob.core.windows.net/sitefinity/docs/default-source/programmanagement/maintenance/fy-2024-25/spm5800000-724-i19425.pdf?sfvrsn=15564aa7\\_1](https://fdotwww.blob.core.windows.net/sitefinity/docs/default-source/programmanagement/maintenance/fy-2024-25/spm5800000-724-i19425.pdf?sfvrsn=15564aa7_1)

**FDOT Standard Plans for Design, Construction, Maintenance and Utility Operations on the State Highway System, Standard Plans - FY 2024-25** <https://www.fdot.gov/design/standardplans/current>

- *Index Series 102-600 Traffic Control through Work Zones*
- *Index 580-001 Landscape Installation*
- *Index 591-001 Landscape Irrigation Sleeves*

**FDOT Design Manual for Design, Construction, Maintenance and Utility Operations on the State Highway System**, <https://www.fdot.gov/roadway/fdm/default.shtm>

- *Chapter 212.11 Clear Sight Triangles*
- *Chapter 215.2.3 Clear Zone Criteria and 215.2.4 Lateral Offset, Table 215.2.1 Clear Zone Width, Table 215.2.2 Lateral Offset Criteria (for Trees)*

### **FDOT Landscape Architecture Website**

<https://www.fdot.gov/roadway/landscape-architecture/landscape-architecture-programs>

**FDOT Maintenance Rating Program Handbook** <https://www.fdot.gov/maintenance/mainratingprogram.shtm>

**FDOT Outdoor Advertising Database** <https://www.fdot.gov/rightofway/OutdoorAdvertising.shtm/new-outdoor-advertising-site>

### **Florida Exotic Pest Plant Council Invasive Plant Lists**

<https://www.floridainvasives.org/plant-list/2023-invasive-plant-species/>

**Florida Irrigation Society** <http://www.fisstate.org>

**Florida Power and Light (FPL) - Right Tree, Right Place** [http://www.fpl.com/residential/trees/right\\_tree\\_right\\_place.shtml](http://www.fpl.com/residential/trees/right_tree_right_place.shtml)

**SECTION: 86020000**  
**PERMIT: 2024-L-491-00006**  
**COUNTY: Broward**  
**STATE RD: 5**

**EXHIBIT D**  
**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)*