

Town of Lake Park, Florida Tree Board Meetingg Agenda

Tuesday, April 11, 2023 at 6:00 PM

Town Hall Commission Chamber, 535 Park Avenue, Lake Park, FL 33403

Brady Drew — Chair

Lauren Paxton — Board Member Shana Phelan — Board Member Gillian Kennedy Wright — Board Member

PLEASE TAKE NOTICE AND BE ADVISED, that if any interested person desires to appeal any decision of the Tree Board, with respect to any matter considered at this meeting, such interested person will need a record of the proceedings, and for such purpose, may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based. Persons with disabilities requiring accommodations in order to participate in the meeting should contact the Town Clerk's office by calling 881-3311 at least 48 hours in advance to request accommodations.

CALL TO ORDER/ROLL CALL

PLEDGE OF ALLEGIANCE

SELECTION OF A CHAIR AND VICE-CHAIR:

1. Selection of a Chair and Vice-Chair

CONSENT AGENDA:

2. January 10, 2023 Tree Board Meeting Minutes

NEW BUSINESS:

3. Centennial Arbor Day Ceremony

PUBLIC COMMENT:

This time is provided for addressing items that do not appear on the Agenda. Please complete a comment card and provide it to the Agency Clerk so speakers may be announced. Please remember comments are limited to a TOTAL of three minutes.

COMMITTEE MEMBER COMMENTS:

STAFF MEMBER COMMENTS:

ADJOURNMENT:

FUTURE MEETING DATE: The next scheduled Tree Board Meeting will be conducted on May 9, 2023.



Town of Lake Park Library Board <u>Agenda Request Form</u>

Meeting Date: April	11, 2023 Agen	da Item No.
Agenda Title: Selec	tion of a Chair and Vice-C	<u>Chair</u>
[] BOARD APPOINTI [] PUBLIC HEARING [X] NEW BUSINESS	TATION/REPORTS [] MENT [] ORDINANCE ON	OLD BUSINESS READING
Approved by Town Mana	ager	Date:
<u>Vivian Mendez, MMC, S</u> Name/Title	Town Clerk	
Originating Departmen	t: Costs: \$ 0.00	Attachments:
Town Clerk	Funding Source: Acct. # [] Finance	1. Town Code
Advertised: Date: Paper: [X] Not Required	All parties that have an int in this agenda item must be notified of meeting date ar time. The following box must be filled out to be on agen	oe everyone nd Or nust Not applicable in this case <u>VM</u>
	kground: The Town's Code pard must select a Chair and \	states that on the first Board meeting vice Chair from its members.
The purpose of this item is to vote.	ask that the Board select a (Chair by vote and then a Vice Chair by
	I move to select	as Chair. as Vice Chair.

- (3) [Reserved.]
- (4) Keep records of all of the activities of the library board and make annual reports to the town manager and the town commission relative thereto or whenever requested to do so by the town commission.

(Ord. No. 5-1968, § IV, 4-15-1968; Code 1978, § 12-27; Ord. No. 05-2010, § 5, 6-2-2010)

- ARTICLE IV. BOARDS AND COMMITTEES [5] Modified
- DIVISION 1. GENERALLY
- Sec. 2-111. Election of board and committee officers. Modified
 - (a) Chair. Each board and committee of the town shall annually elect from its membership a chair, who shall preside at all meetings of such board or committee, and a vice-chair, who shall preside at all meetings of such board or committee in the absence or disability of the chair, at a regular meeting to be conducted in January, or if there is no meeting in January then at the first meeting of the board or committee in the new year.
 - (b) Administrative support. The town manager shall assign town employees to each board or committee, including a recording secretary who shall be responsible for recording the meetings and producing minutes of the board or committee meetings.

(Code 1978, § 2-56; Ord. No. 17-1991, § 1, 11-6-1991; Ord. No. 05-2015, § 2, 5-6-2015)

- Sec. 2-112. Membership on boards and committees terminated for missing meetings; filling of vacancies.
 - (a) *Definitions.* For the purposes of this section, the following words, terms and phrases shall have the meanings herein ascribed to them:

Board means board or committee, as appropriate.

Valid excuse means one of the following:

- (1)
 Illness of a member or other person for whom the member is a caregiver;
- (2) Death of a member's relative; or
- (3) Scheduled absence approved in advance by the town clerk.

- (b) Recording of attendance. The secretary of each board shall record the names of the board members who are present and absent at each board meeting, and shall include in the minutes of the meeting, the name of any member who has missed a meeting without a valid excuse, including regular and special meetings of said board.
- (c) *Termination of membership.* Membership on a town board shall be automatically terminated for any member who, without valid excuse, misses three board meetings both regular and special in any consecutive 365-day period (any one-year term of the member).
- (d) Review of minutes. The town clerk shall be responsible for reviewing the minutes of each board to determine when a vacancy has occurred, the town clerk shall confirm the unexcused absences of the member with the board secretary and once confirmed shall subsequently publish notice of the vacancy in a newspaper of general circulation of the town. The town commission shall fill the vacancy no sooner than two weeks after the publication of such notice. The term of a board member who is removed from office for lack of attendance shall end at the close of the third meeting in which the member failed to attend and which absence was not excused.
- (e) Notice of vacancies. The town clerk shall monitor the terms of office for board members. Not less than 60 days prior to the end of a board member's term, the clerk shall publish a notice of the impending vacancy.
- (f) Publication of notice. When publication of notice is required pursuant to this section, such publication shall be in the town newsletter and/or by other reasonable means of posting and publication. Copies of such notices shall be provided to the town commission at the next regular meeting following publication.
- (g) *Profile sheet.* Each person seeking an initial appointment to a board shall be required to complete a profile sheet. The form for such profile sheet shall be approved by the commission. Any current regular member or alternate member seeking appointment or reappointment shall also be required to complete a profile sheet if one has not been completed within the previous three years. A profile sheet shall be due no later than 48 hours prior to the regular town commission meeting at which the appointment is scheduled to occur.
- (h) Appointment of alternate members. The town commission shall appoint two alternates for each board. Alternate members of a board shall be appointed as first alternate and second alternate and shall serve in that order when necessary. Alternate members shall be permitted to participate in all board discussions. When an alternate member serves, the alternate member shall have all the powers and duties of a regular member including the right to vote on any matter before the board.

- (i) Nomination for action on vacancies. The clerk shall prepare a list of volunteers, including members who seek reappointment, along with the profile sheet for commission action on a vacancy. The list of volunteers shall include the name of each person seeking the appointment for which a profile sheet has been timely received. The commission may interview board and committee members appearing on the clerk's list who volunteer for reappointment or appointment. A nomination to fill a vacancy may be made by any member of the commission. For a nominee to be appointed there must be a second and majority vote of the commission. Thereafter, the clerk shall notify each volunteer applicant in writing of the commission's action.
- (j) Vacancies on a board or committee shall be automatically filled by an alternate member of that board or committee for the unexpired term. If two vacancies occur at the same time, the second vacancy shall be filled by the second alternate for the unexpired term. If a board or committee has more that two vacancies, the town commission may appoint temporary members, as necessary, who shall serve until the commission makes a regular appointment. The town clerk shall notify an alternate upon a change in status.
- (k) Residency requirement. All members of town boards shall be residents of the town. However, unless otherwise prohibited by law, the town commission may appoint no more than two (including alternate members) town business owners to the boards of the town, excepting the planning and zoning board, and all appointments to said boards shall be made by the town commission.

(Ord. No. 33-1974, §§ I—III, 11-20-1974; Ord. No. 10-1979, § 1, 8-1-1979; Ord. No. 8-1982, § 1, 3-3-1982; Ord. No. 16-1990, § 1, 9-5-1990; Ord. No. 4-1991, § 1, 2-6-1991; Ord. No. 11-1994, § I, 5-18-1994; Ord. No. 6-1995, § I, 3-1-1995; Ord. No. 12-2001, § 1, 8-15-2001; Code 1978, § 2-57; Ord. No. 22-2004, § 2, 11-17-2004; Ord. No. 31-2004, § 2, 1-19-2005; Ord. No. 12-2006, § 2, 11-1-2006; Ord. No. 10-2013, § 2, 8-21-2013)

• Sec. 2-113. - Scheduled board meetings; hours.

All meetings of the various town boards shall be conducted after 5:00 p.m.

(Ord. No. 8-1985, § 1, 5-1-1985; Code 1978, § 2-58)

• Secs. 2-114—2-150. - Reserved.



[]

Town of Lake Park Town Tree Board <u>Agenda Request Form</u>

Meeting Date: April 11, 2023 Agenda Item No.

Agenda Title: January 10, 2023 Tree Board Meeting Minutes.

SPECIAL PRESENTATION/REPORTS [X]

BOARD APPOINTMENT [] OLD BUSINESS PUBLIC HEARING ORDINANCE ON READING NEW BUSINESS OTHER:						
Originating Department: Town Clerk's Office	Costs: \$ 0.00 Funding Source: Acct. # [] Finance	Attachments: Meeting Minutes Exhibit "A"				
Advertised: Date: Paper: [X] Not Required	All parties that have an interest in this agenda item must be notified of meeting date and time. The following box must be filled out to be on agenda.	Yes I have notified everyone Or Not applicable in this case Please initial one.				

CONSENT AGENDA

Recommended Motion: I move to approve the January 10, 2023 Tree Board Meeting Minutes.



Town of Lake Park, Florida Tree Board Meeting Minutes

Tuesday, January 10, 2023 at 6:00 PM

Town Hall Commission Chamber, 535 Park Avenue, Lake Park, FL 33403

Brady Drew — Chair

Pamela Frazier — Vice-Chair

Shana Phelan — Board Member Gillian Kennedy Wright — Board Member

PLEASE TAKE NOTICE AND BE ADVISED, that if any interested person desires to appeal any decision of the Tree Board, with respect to any matter considered at this meeting, such interested person will need a record of the proceedings, and for such purpose, may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based. Persons with disabilities requiring accommodations in order to participate in the meeting should contact the Town Clerk's office by calling 881-3311 at least 48 hours in advance to request accommodations.

CALL TO ORDER/ROLL CALL

6:00 P.M.

PRESENT

Brady Drew

Shana Phelan

Gillian Kennedy Wright

ABSENT

Pamela Fraizer

PLEDGE OF ALLEGIANCE

Chair Drew

PRESENTATIONS:

None

CONSENT AGENDA:

Motion made to approve the Consent Agenda by Phelan, Seconded by Kennedy Wright.

Voting Yea: Drew

1. December 13, 2022 Tree Board Meeting Minutes.

NEW BUSINESS:

Progress Update on the 100% Design Specifications and Implementation Timeline for the 2nd Street Green Infrastructure (Roadside Bioswale) Project

Public Works Director Roberto Travieso introduced the team working on this project. Mr. Raul Mercado representing Water Resource Management Associates (WRMA); Michael Mercado representing WRMA; Nicole <u>Plunkit</u> representing Cotleur & Hearing. Mr. Raul Mercado and Michael Mercado presented to the Board (see Exhibit "A").

Chair Drew thanked everyone for the presentation. He asked questions regarding the shade trees quoted in the Mobility Plan on 2nd Street. He asked if shade trees would be installed anywhere else along 2nd Street. Public Works Director Travieso explained that there are no plans outside of the scope of the plan currently underway. He explained that they were currently looking for funding opportunities to expand the project along 2nd Street. Mr. Raul Mercado further explained why this area was chosen and the funding associated with this project.

Board Member Phelan asked questions regarding the project and notifying the residents impacted. Public Works Director Travieso explained that his staff was undergoing training on how to properly maintain the infrastructure. He stated that a mailer was sent to all residents in the Town and not just those that would be impacted. She asked questions regarding plantings that are placed above the storm chambers. Mr. Michael Mercado explained the locations of the storm chambers was not ideal for trees plantings.

PUBLIC COMMENT:

This time is provided for addressing items that do not appear on the Agenda. Please complete a comment card and provide it to the Agency Clerk so speakers may be announced. Please remember comments are limited to a TOTAL of three minutes.

None

9

COMMITTEE MEMBER COMMENTS:
Phelan had no comments.
Wright had no comments.
Drew had no comments.
STAFF MEMBER COMMENTS:
None
ADJOURNMENT:
6:48 P.M.
FUTURE MEETING DATE: The next scheduled Tree Board Meeting will be conducted on February
14, 2023.
Chair Brady Drew
Town Clerk, Vivian Mendez, MMC
Town Seal
Town Sear
Approved on this of

Final Design Progress Update on the 2nd Street Green Infrastructure Roadside Bioswale Project

Roberto Travieso

Director, Department of Public Works



Presentation Outline



- 1. Opening Comments
- 2. Project Background
- 3. Storm Water Master Plan (SWMP)
- 4. Why 2nd Street?
- 5. Design Approach
- 6. Implementation Timeline
- 7. Landscape Design & Renderings
- 8. Questions



Project Team



- John D'Agostino Town Manager
- Roberto Travieso Public Works Director
- Raul Mercado Principal Engineer, WRMA
- Michael Mercado Lead Design Engineer, WRMA
- Don Hearing -- Principal/Landscape Architect, Cotleur & Hearing
- John Wille Capital Projects Manager



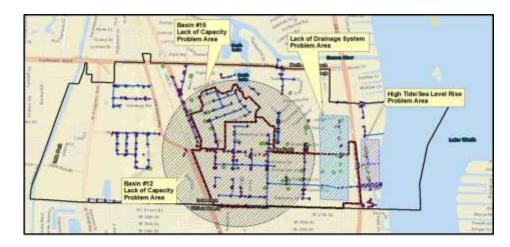
Project Background & Design Concept

MICHAEL MERCADO, PE

Stormwater Management Needs Assessment Water Quantity



- Study showed that of the 10.62 miles of storm sewers (Approx. 29%) needs to be immediately (1-5 years) rehabilitated (Repaired/Replaced) and the rest within 20 years.
- Identifies key major capacity surcharge flooding problems along Southern Outfall (446 acre watershed)
- Identifies many areas without stormsewers with nuisance flooding such as along 2nd Street
- Identifies long term climate change (Sea Level Rise) challenges along 0.8 miles of LWI waterfront





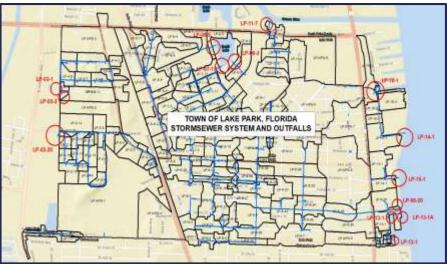


Stormwater Management Needs Assessment Water Quality





2/3 of the ToLP area Discharges untreated runoff to the impaired Lake Worth Lagoon



Permit requires
the ToLP to
monitor runoff
discharges from
14 outfalls



Receiving	Table 4					
Waterbody	Pollutant Loading Reductions (Lbs/year) for 5% Roadside Bioswales					
	BOD₅	TSS	TP	CU	ZN	N
LWL (Current BMPs)	22,418	98,253	883	53.7	261.5	10,630
LWL (Proposed Bioswales)	20,081	76,444	796	50.8	238.6	10,366
Reduction %	10.4	22.2	9.8	5.4	8.8	2.5

Bioswales along 5% of the ToLP ROW's will reduce sediment pollutants loadings to the LWL by as much as 22% (TSS)

Stormwater Master Plan (SWMP)

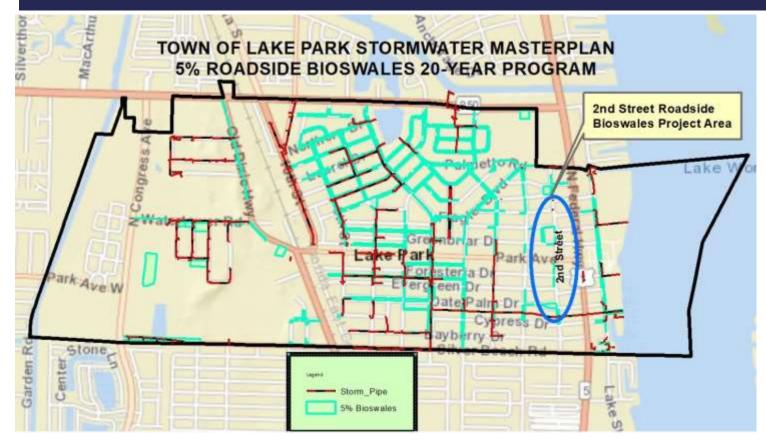


- Updated in 2019-2020
- Adopted by Town Commission in 2021
- Provided the incremental conversion of 5% roadside swales to green infrastructure (bioswales/biodentention areas)
- Recommends the use of Stormwater fees exclusively to cover O&M costs (no Capital Improvements)
- Recommends the use of federal grants for project
 Capital Improvements



Stormwater Master Plan Approach Green Infrastructure For Climate Change





Higher Intensity Rainfall is Causing More Frequent Nuisance Flooding Along 2nd Street Intersections

5% ROADSIDE BIOSWALES 20-YEAR PROGRAM

FIRST PROJECT - BIOSWALES ALONG 2ND STREET ROW

Why 2ND Street?



- Extra pavement was added to the ROW in the past without grading
- Additional impervious area runoff creates ponding and nuisance flooding at intersections
- Opportunity for design of a GI-Based Bioswale to address nuisance flooding and water quality NPDES requirements





FORESTERIA DRIVE

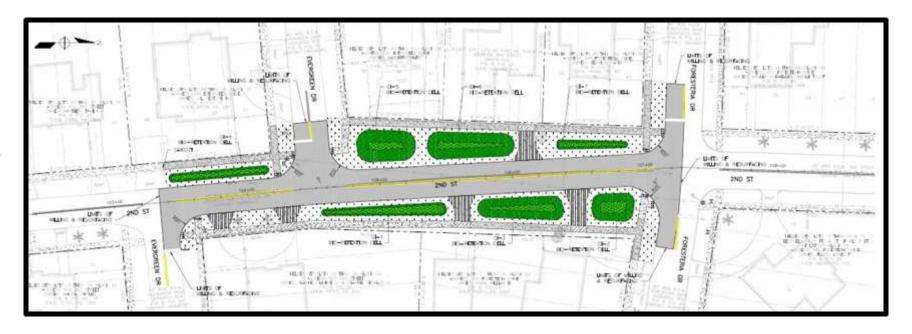


EVERGREEN DRIVE

Prototype Bioswale Design Solution Surface Component



Surface (planted)
 bioswales captures
 first flush of runoff
 for infiltration and
 evapotranspiration

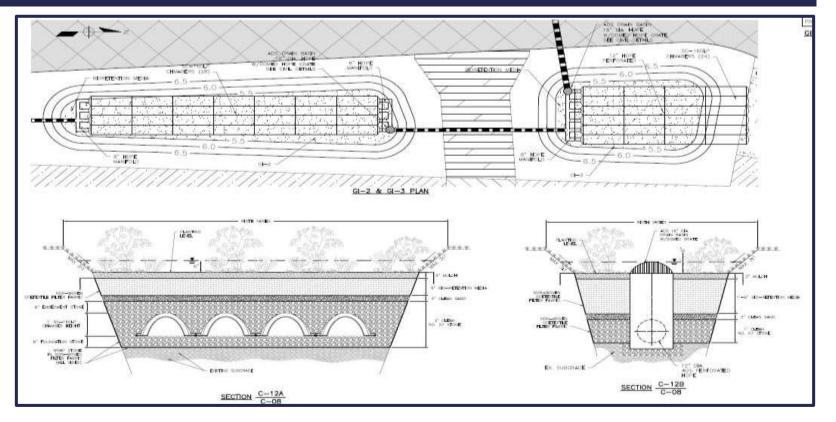


- ☐ Bioswales green-planted areas beautify the right-of-way
- ☐ Bioswales soils layers provide mulch for additional water quality treatment of runoff

Prototype Bioswale Design Solution Underground Component



Underground
 Storage Filtration
 Chambers provide
 additional runoff
 volume treatment
 capacity



- ☐ Interconnected chambers for maximum utilization of underground space
- ☐ Chambers can be accessed for maintenance to clear debris



Project Landscape Design

NICOLE PLUNKETT, ASLA, PLA, AICP

Landscape Design Approach



 Observe street design standards published by FDOT

Clear Zone: The unobstructed, traversable area beyond the edge of the traveled way for the recovery of errant vehicles. Source: Florida Green Book

- Clear Zone Design Guideline from edge of traveled lane:
 - 6' <400 Average Daily Traffic (ADT)
- Standards also applicable to landscape design





Landscape Design Approach

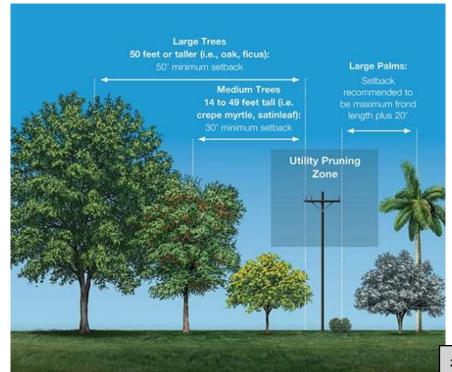


Observe applicable Regulations for utility operators in the Town:





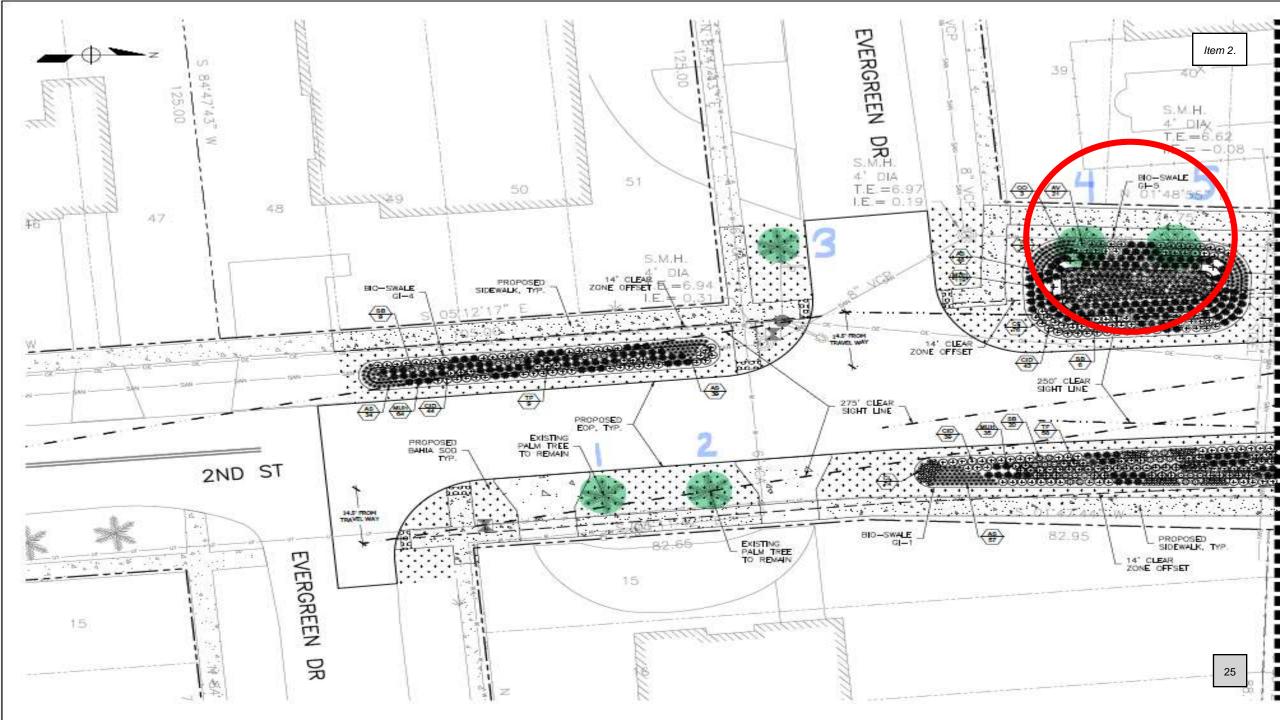
- Small/Medium Trees & Palm Trees: No closer than 10 feet to utility structure
- Large Trees: No closer than 15 feet to utility structure

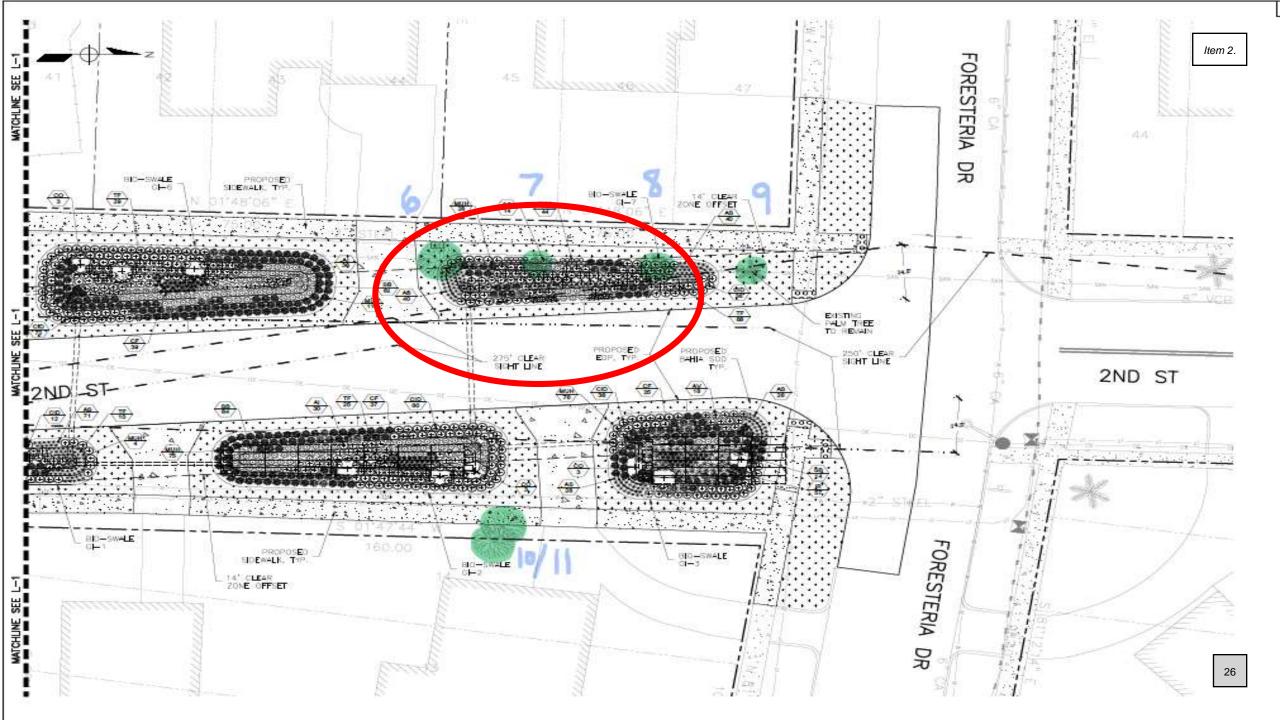


Existing Canopy Tree/Palm Tree Conflicts



- Canopy Trees in project area: 5 | Palm Trees in project area: 6
- All (11) trees/palm trees in project area are currently unpermitted
- Some trees/palm trees are within the FDOT-mandated Clear Zone
- Proposed project improvements and grading necessitates the removal/relocation of (5) canopy and palm trees (No.'s 4,5,6,7, and 8)
- Planned coordination with public property owners to relocate trees onto private property, where desired and possible, during project implementation
- New street trees may be included in Bioswale design for other locations, depending on compliance with Clear Zone, Seacoast Utilities', and FPL setback criteria







Project Landscape Renderings

NICOLE PLUNKETT, ASLA, PLA, AICP









PLANT PALETTE |



DWARF COCOPLUM



WIREGRASS

SAND CORDGRASS

CROSS SECTION - LOCATION 105+00.00











SWAMP MILKWEED

CANNA LILY

CHALKY BROOMSEDGE BLUESTEM

BLUE FLAG IRIS

LEAVENWORTH'S TICKSEED

MUHLY GRASS

DWARF FAKAHATCHEE GRASS

BIOSWALE / RAIN GARDEN































Implementation Timeline & Next Steps

ROBERTO TRAVIESO

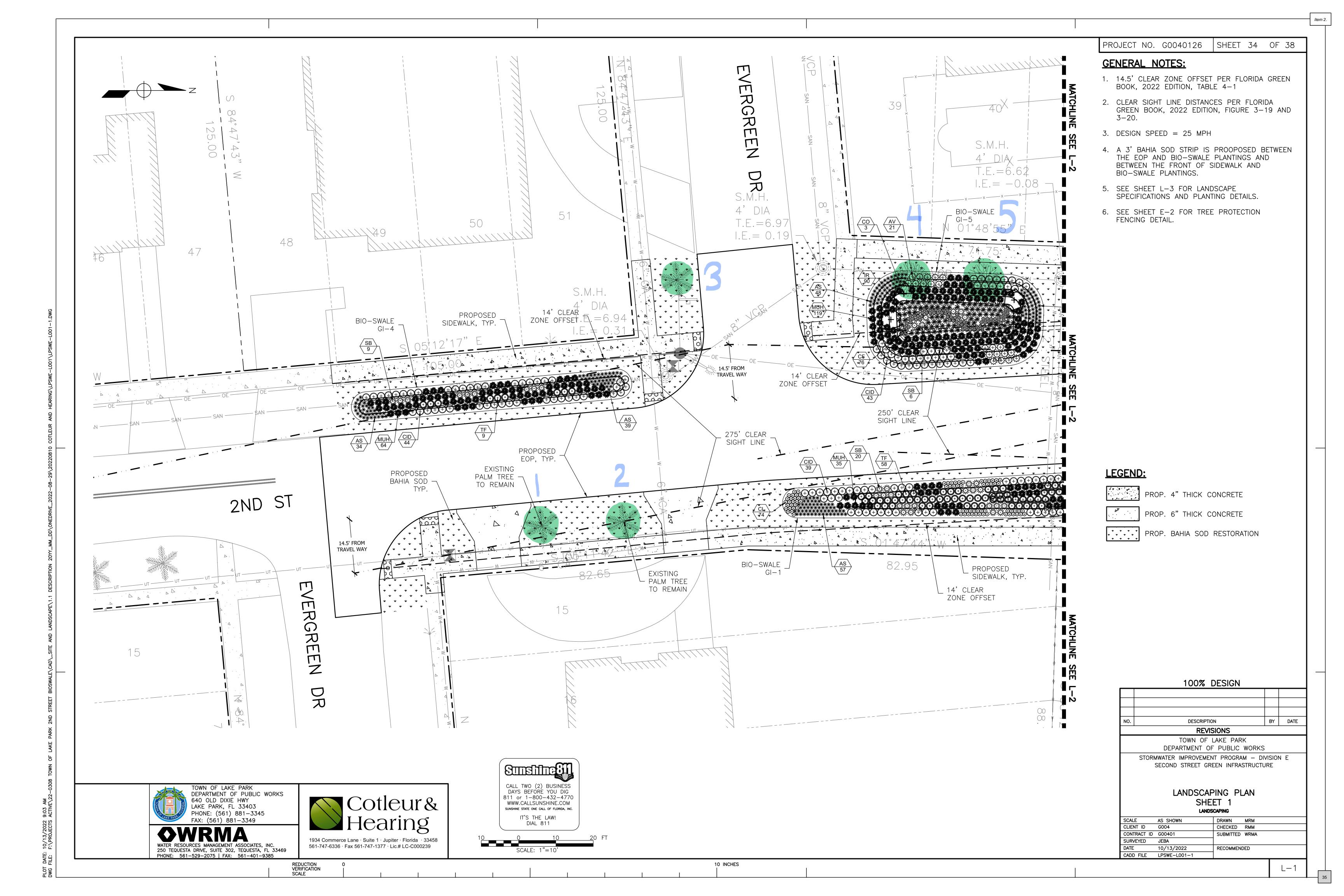
Project Implementation Timeline

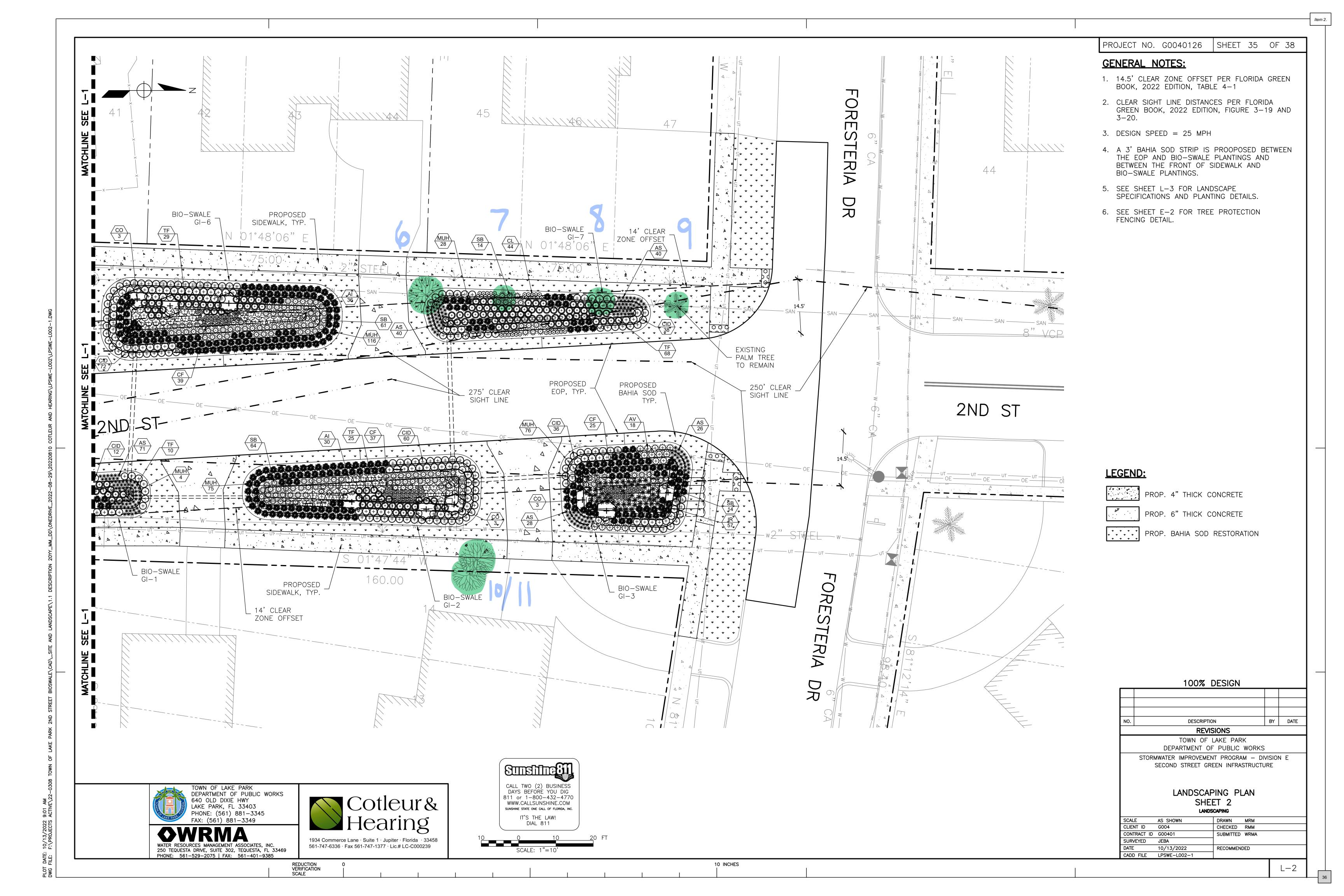


- Design & Bidding (Design partially funded by FDEP Coastal Partnership Initiative Grant)
 - 100% Design Plans & Specifications: November 2022
 - Final Regulatory Permits: December 2022
 - Bidding Advertisement: February 2023
 - Contractor Selection: March April 2023
 - Contract Negotiations: May June 2023
- Construction (Funded by Resilient Florida Grant)
 - Mobilization/Start Up: July 2023
 - Completion/Close Out: July 2024



Questions





Item 2.

PROJECT LOCATION: 2nd Street (Foresteria Drive to Evergreen Drive), map of project location attached.

PROJECT BACKGROUND: The interconnected channel and pond routing (ICPR4) H&H model developed for the Town's SWMP was used to perform hydrodynamic modeling of the rainfall/runoff process occurring throughout the watersheds. Hydrologic simulations were performed for three-year/24-hour, 10-year/24-hour, 25-year/three-day, 50-year/three-day and 100-year/three-day storm events. Results illustrate that the interconnected system of reinforced concrete pipes (RCP), corrugated metal pipes (CMP)

and high-density polyethylene (HDPE) pipes do not have the capacity to convey runoff from mostly

impervious dense urban areas for storm events of significance (greater than three-year frequency).

Furthermore, there is localized flooding in areas (such as along 2nd Street) that do not possess a dedicated

storm sewer system. This modeling aligns with real-world detrimental impacts that the Town is already

experiencing.

The need is further demonstrated by the implications set forth as the result of projected climate change-based sea-level rise (SLR) by the United States Army Corps of Engineers (USACE). The change in SLR between 2019 and 2060 is estimated by USACE to be 36 inches. This corresponds to a 2060 average high tide of 2.7 feet NAVD. Once this occurs, preliminary ICPR4 H&H modeling (coded to reflect SLR of 2.7 feet) indicates that the problems being experienced today will grow in severity along the 60-inch trunk storm sewer and the 2nd Street vicinity, meaning that any drainage occurring along 2nd Street will not be able to enter the Southern Outfall by sheet flow or by pipe.

The roadside bioswales will serve two functions:

1. They will act to significantly mitigate pollutant-laden storm water runoff that otherwise would flow

into the LWL and act as a natural filtration system to reduce total suspended solids.

2. They will reduce the centrality of the Southern Outfall 60-inch trunk-line pipe by diverting upstream storm water runoff sheet flow away from the main storm sewer trunk and to the

underground water table aquifer, which will also introduce more resiliency into the storm water

infrastructure system.

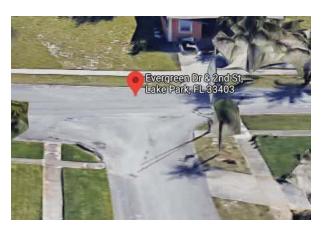
The 2nd Street project is a component of the 20-year long-term 5% Roadside Bioswale Plan that will ensure adequate resiliency and sustainability for a minimum of approximately 75% of its total land area.

Attachment 3, DEP Agreement #: CZ419

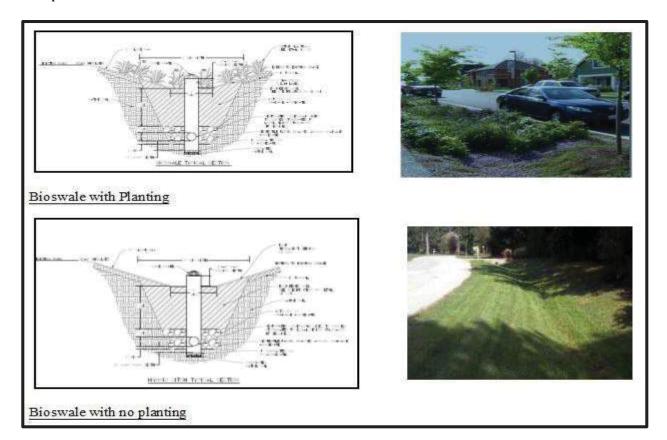
Rev. 4/30/2018

PROJECT DESCRIPTION: The proposed project entails the strategic placement of roadside bioswales at two locations on 2nd Street where flooding has been documented, including 2nd Street and Foresteria Drive, and 2nd Street and Evergreen Drive. The overall goal of the project is to intercept and collect sheetflow at its source along the 2nd Street right-of-way in the vicinity of the road and prevent runoff from entering the Southern Outfall trunk (via sheet flow to inlets). Instead, the bioswales will function to intercept runoff for filtration to the water table aquifer and reduce runoff volumes through evaporation and transpiration.





Example Roaside Bio-Swales



Item 2.

The proposed project has two primary objectives:

1. Access the physical conditions of the topography and the soil's infiltration rates at the two affected

sites (see aforementioned site locations) and the feasibility of two types of bioswale designs to

direct runoff production to the groundwater table via infiltration and deep percolation and deliver

untreated runoff flows that otherwise would enter the Southern Outfall via sheet flow and be

transferred to the Lake Worth Lagoon. The proposed roadside GI-based bioswales will also address

the increasing adverse impact of higher climate change-based rainfall intensity volumes.

2. Mitigate pollutant-laden runoff load discharge to the Lake Worth Lagoon by providing water

quality treatment and infiltration of runoff to the underground aquifer.

In order to achieve these objectives, this project will focus on data collection and management and the

engineering design and specifications for the bio-swales, culminating in construction documents and bid

package for implementation.

TASKS and DELIVERABLES:

Task #1: Data Collection and Management

Task Description: The Grantee will work with Water Resources Management Associations, Inc.

(WRMA), which is currently under a five-year contract with the Town. WRMA will perform topographic

surveys at the two proposed sites. WRMA will also secure the services of a geotechnical engineering firm

for the acquisition of the soil's physical properties data via shallow augers and/or shallow piezometer wells.

This data is necessary to perform drainage infiltration analysis and determine the size of the required

bioswale media for treatment of local runoff. The picture below shows the location of proposed field

testing. The testing scope of work includes:

Attachment 3, DEP Agreement #: CZ419



- Two (2) borehole permeability/percolation tests, usual open hole, constant head test to be performed on grassed swale areas along 2nd Street. One will be located at the southeast corner of 2nd Street and Foresteria Drive, and a second at the southwest corner of 2nd Street and Evergreen Drive.
- Two (2) 10ft deep Standard Penetration Test (SPT) borings will be performed in grassed swale areas adjacent to the previous permeability tests for minimal disruption.
- Two (2) 10ft Standard Penetration Test (SPT) borings with pavement coring reporting format. These will be performed at the intersections of 2nd Street and Foresteria Drive, and 2nd Street and Evergreen Drive.

None of these field tests will be performed in environmental sensitive areas and will not require the use of any chemical pollutants.

Deliverables: Data Collection and Management Technical Report

Item 2.

Task #2: Preliminary Engineering Design and Planning (30% Plans)

Task Description: The Grantee will work with a professional engineer and certified floodplain

management professional from WRMA that will apply the topographic and soils project data, combined

with H&H design tools, to perform design plans and specifications for the two sites. WRMA will review

the collected data and create 30% plans for the addition of GI-based bioswales at the two sites. This level

of design entails the development of preliminary conceptual design options that could be implemented at

the site depending upon major site constraints.

Deliverables: 30% Design Plans

Task #3: Engineering Design and Site Layout (60%)

Task Description: The Grantee will build upon the previous task to include the selection of the final

bioswale placement at the two locations, include the type of, bioswales selected (bioswale with or without

plantings), and any required adjustments to the road (edge of pavement, driveways, etc.).

Deliverables: 60% Design Plans and Quantity Takeoff Cost Estimate

Task #4: Detailed Engineering Design (90%)

Task Description: The Grantee will build upon the previous two tasks to include the preparation of design

specifications and preliminary construction-ready plans. The design will also include the preparation of the

project technical manual and a detailed engineer's opinion of probable cost.

Deliverables: 90% Design Plans and Engineer's Opinion of Probable Cost

Task #5: Final Plans and Specifications (100%)

Task Description: The Grantee will complete the design plans in preparation of the final design plans

(ready for bidding/construction). Grantee will summarize project with a final report utilizing Exhibit F

format.

Rev. 4/30/2018

Deliverables: 100% Final Ready For Construction Design Plans and Specifications, and Final Engineer's

Opinion of Probable Cost. Final Report of project.

Performance Standard: The Department's Grant Manager will review the deliverables to verify that they meet the specifications in the Grant Work Plan and the task description. Upon review and written acceptance by the Department's Grant Manager of all deliverables under this task, the Grantee may proceed with payment request submittal.

Payment Request Schedule: Grantee may submit a payment request for cost reimbursement upon completion of each task and Department approval of all associated task deliverables.

PROJECT TIMELINE: The tasks must be completed by the corresponding task end date and all deliverables must be received by the designated due date.

Task No.	Task or Deliverable Title	Deliverable Due Date
1	Data Collection and Management	10/31/2021
2	Pre-Liminary Engineering and Planning (30% Plans)	01/31/2022
3	Engineering Design and Site Layout (60% Plans)	04/30/2022
4	Detailed Engineering Design (90% Plans)	07/31/2022
5	Final Plans and Specifications (100% Plans)	08/31/2022

BUDGET DETAIL BY TASK:

Categories	Task 1	Task 2	Task 3	Task 4	Task 5	Totals
Contractual Services	\$10,000	\$4,000	\$10,000	\$2,000	\$4,000	\$30,000
Match Total	\$10,000	\$4,000	\$10,000	\$2,000	\$4,000	\$30,000
Total	\$20,000	\$8,000	\$20,000	\$4,000	\$8,000	\$60,000

PROJECT BUDGET SUMMARY: Cost reimbursable grant funding must not exceed the category totals for the project as indicated below. Match funding shall be provided in the categories indicated below.

Category Totals	Grant Funding Not to Exceed	Match Funding	Total Project Funding	
Contractual Services Total	\$30,000	\$30,000	\$60,000	
Total:	\$30,000	\$30,000	\$60,000	

PROJECT NO. G0040126 SHEET 01 OF 36

PROJECT LOCATION TAMPA DEARTOL TAMPA DEARTOL REPARCE LAKE PARK MAPLES KEY WEST

TOWN OF LAKE PARK DEPARTMENT OF PUBLIC WORKS

MAYOR MICHAEL O'ROURKE
VICE- MAYOR KIMBERLY GLAS-CASTRO
COMMISSIONER ERIN FLAHERTY
COMMISSIONER JOHN LINDEN
COMMISSIONER ROGER MICHAUD



CONTRACT DRAWINGS FOR



DIVISION E SECOND STREET GREEN INFRASTRUCTURE

AUGUST 2022 100% DESIGN



SITE LOCATION MAP

CYPRESS DR



NO. DESIGN

NO. DESCRIPTION BY DATE

REVISIONS

TOWN OF LAKE PARK

DEPARTMENT OF PUBLIC WORKS

STORMMET PROGRAM — DUSION E

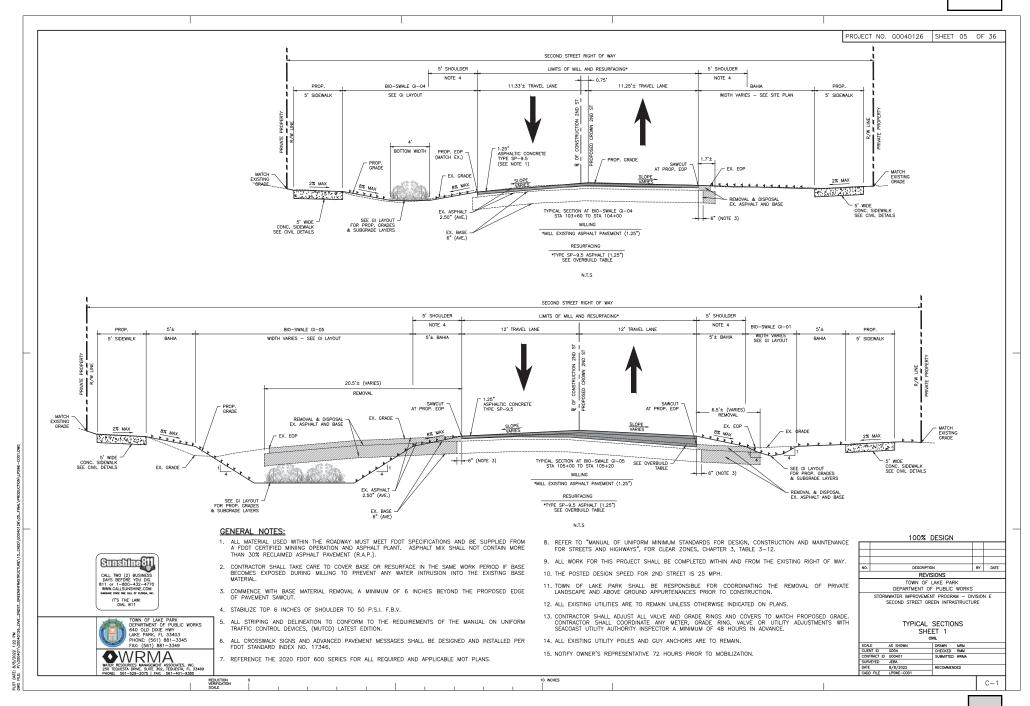
SECOND STREET GREEN INFRASTRUCTURE

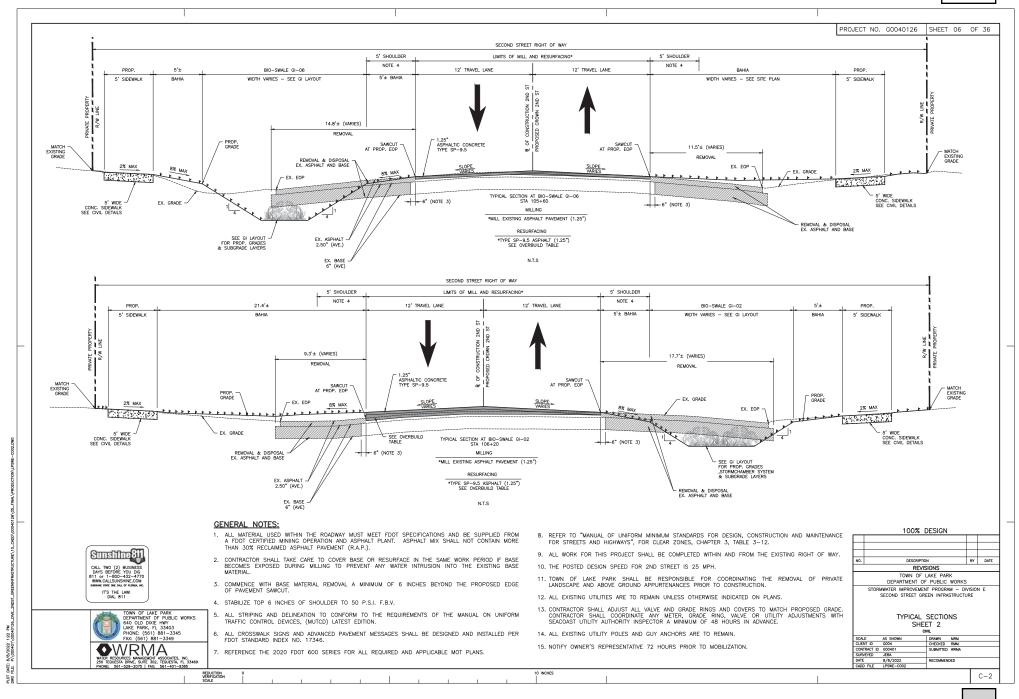
COVER SHEET

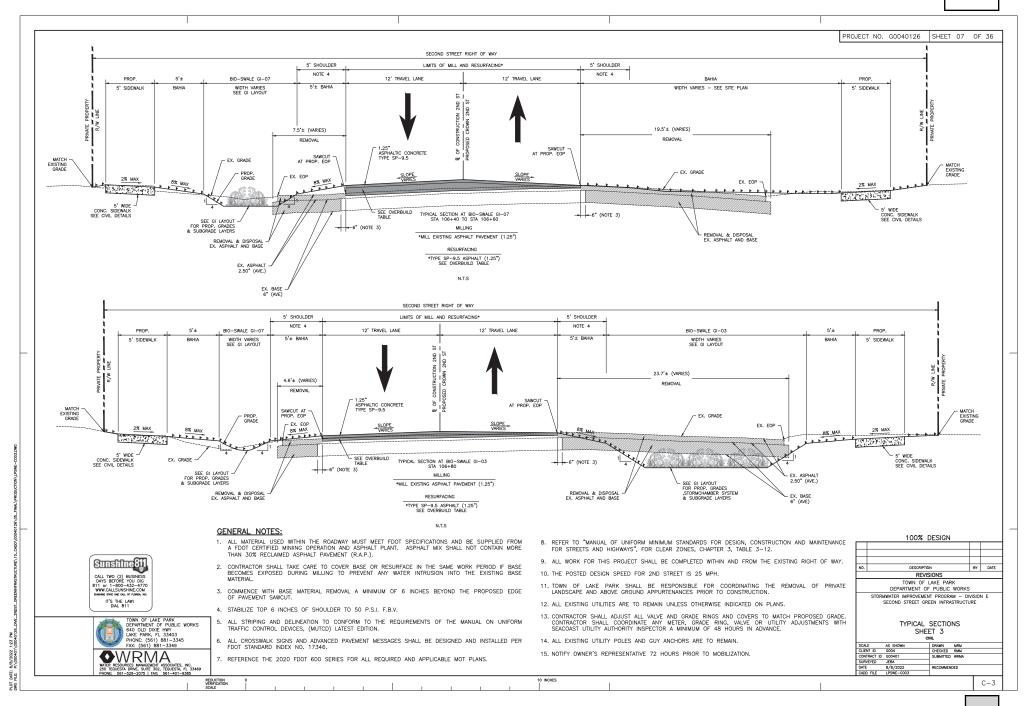
GENERAL
AS SHOWN DRAWN MRM
GDD4 CHECKED RMM

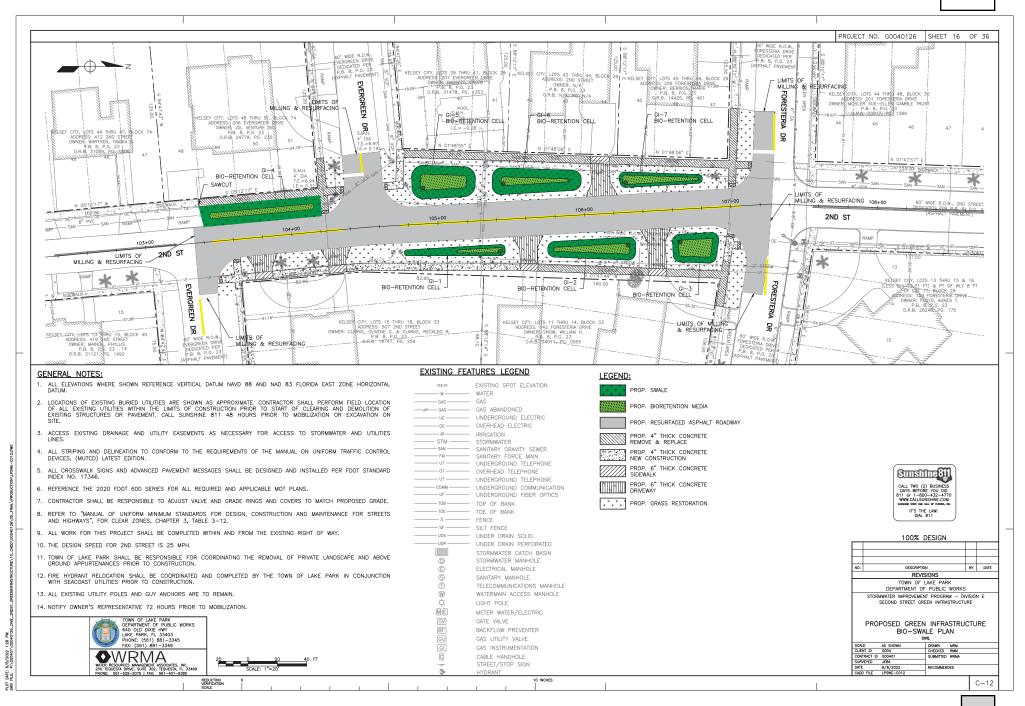
N 0 ON | 0 INCHES

G-1

















CROSS SECTION - LOCATION 104+00.00













PLANT PALETTE |

BUTTONBUSH DWARF COCOPLUM

WIREGRASS SAND CORDGRASS

MUHLY GRASS

DWARF FAKAHATCHEE GRASS

CANNA LILY

BLUE FLAG IRIS

LEAVENWORTH'S TICKSEED









CROSS SECTION - LOCATION 105+00.00



SWAMP MILKWEED



CANNA LILY



CHALKY BROOMSEDGE **BLUESTEM**



BLUE FLAG IRIS



LEAVENWORTH'S TICKSEED



BUTTONBUSH

PLANT PALETTE |



WIREGRASS



MUHLY GRASS



DWARF COCOPLUM



SAND CORDGRASS



DWARF FAKAHATCHEE GRASS



















Town of Lake Park Library Board

Agenda Request Form

Meeting Date:	April 11, 2023			
Originating Department:		Special Events		
Agenda Title:		Centennial Arbor Day Ceremony		
Approved by Town M	Ianag	er: Date:		
Cost of Item: Account Number:	\$0.00	Funding Source: Finance Signature:		
Advertised: Date:		Newspaper:		
Attachments:		ennial Arbor Day Ceremony Flyer, Buttonwood Tree Photo, Christmas Tree Photo		
Please initial one:	Yes I	have notified everyone		
		pplicable in this case		
Summary Explanation The Town of Lake Park am in honor of National	/Back will h Arbo			
Recommended Motion Arbor Day and the Town		ve to have a planted in Kelsey Park in honor of National ake Park's Centennial.		



