

Capital Improvement Projects Update

Presented By:

Sean Lanier, PE, CFM

City Engineer / Director

Engineering and Water Resources Department



Heritage Nature Conservancy (HNC) Park Improvements



- ▶ **Completion Date:**
August 18, 2017
- ▶ **Project Cost:** \$141,850.70
- ▶ **Contractor:** C.W. Roberts Contracting, Inc.



SR 40 Flood Mitigation/Silver Springs Nutrient Reduction Project

- ▶ Start Date: September 2015
- ▶ End Date: March 2017
- ▶ Contractor: Pave-Rite, Inc.
- ▶ Total Cost: \$3,378,429
- ▶ FDEP: \$706,321
- ▶ FDOT: \$1,875,769
- ▶ City Cost: \$796,339



SR 40 Flood Mitigation/Silver Springs Nutrient Reduction Project

- ▶ Nutrient Reduction Monitoring in Progress
- ▶ Monitoring Completion: January 31, 2018

Tropical Storm Debby (2012)



SR 40 Flood Mitigation/Silver Springs Nutrient Reduction Project



Hurricane Irma (Sept. 11, 2017)



Osceola Multimodal Connection



- ▶ Total Cost: \$517,223.48
- ▶ Contractor: C.W. Roberts
- ▶ Construction Complete: October 2017



Osceola Multimodal Connection



Osceola Multimodal Connection



Water Main Replacement Project Phase VII

PROJECT LOCATION

- ▶ Start Date: April 24, 2017
- ▶ End Date: October 13, 2017
- ▶ Project Cost: \$770,567.35
- ▶ Contractor: Marion Rock, Inc.



Water Main Replacement Project Phase VII



NE 22nd Avenue Drainage Improvement Project



- ▶ Start Date: August 20, 2017
- ▶ End Date: October 17, 2017
- ▶ Project Cost: \$77,727.30
- ▶ Contractor: Marion Rock, Inc.



NE 22nd Avenue Drainage Improvement Project



69kV Transformer for Sharpes Ferry



- ▶ Start Date: October 1, 2016
- ▶ End Date: November 22, 2017
- ▶ Project Cost: \$442,059
- ▶ Contractor:
Virginia Transformer Corporation

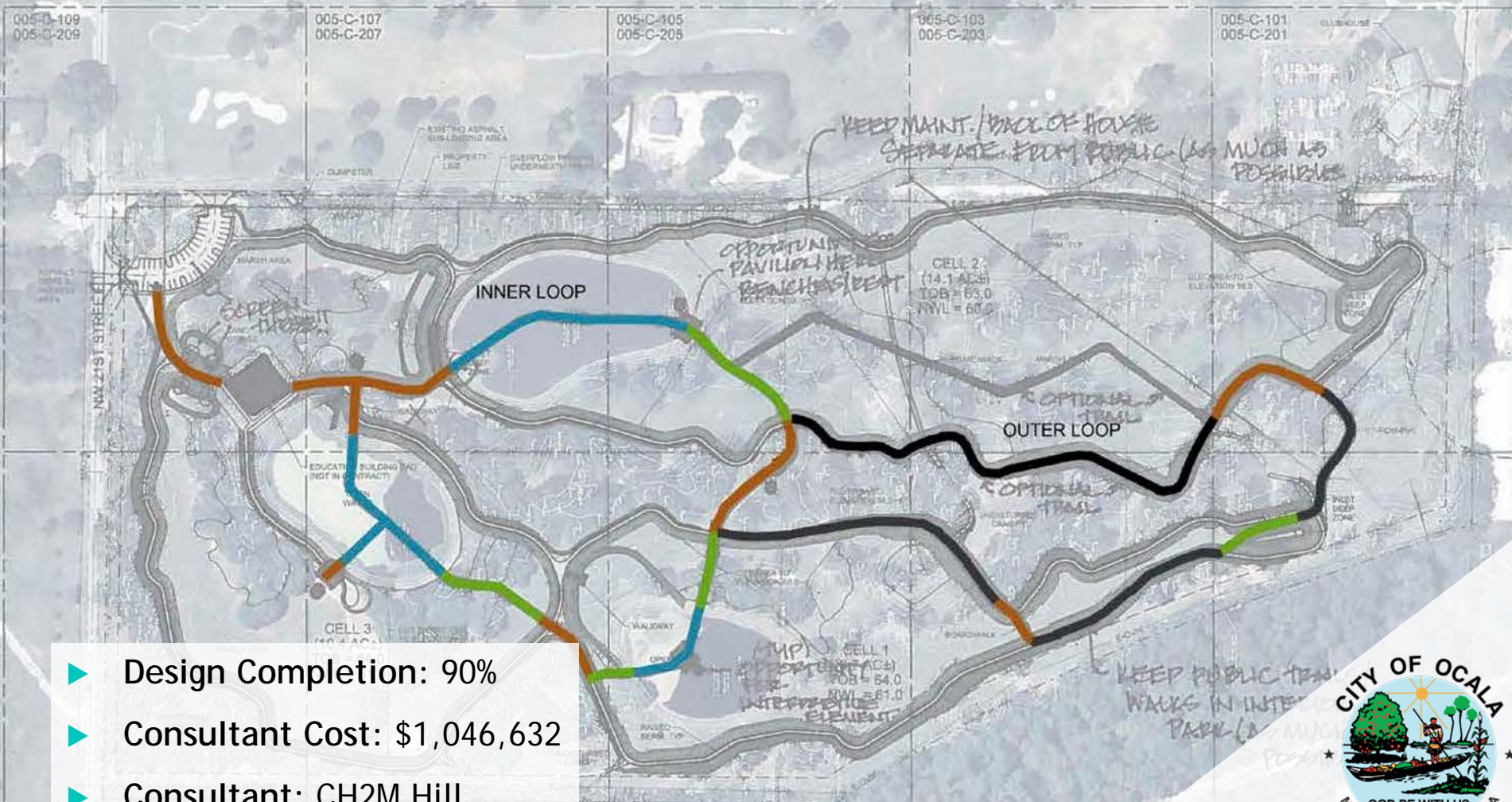
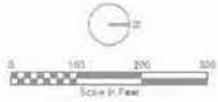
⚠ WARNING
Hazardous voltage inside.
KEEP OFF / KEEP OUT!
Authorized personnel only.
Can shock, burn or cause death.
Unauthorized entry is prohibited.
OCALA ELECTRIC UTILITY
352-351-6666

NOTICE
NO TRESPASSING
KEEP OFF



Wetlands Recharge Park

- WOODED TRAILS
- OPEN WATER TRAILS (BOARDWALK)
- MARSH TRAILS (BOARDWALKS/WETLAND VEGETATION)
- UPLAND TRAILS



- ▶ Design Completion: 90%
- ▶ Consultant Cost: \$1,046,632
- ▶ Consultant: CH2M Hill



Wetlands Recharge Park



Secured Funding:

- ▶ St. Johns River Water Management District (SJRWMD):
\$2 Million
- ▶ 319 (h) Non-point Source Education:
\$319,208.16
- ▶ Florida Department of Environmental Protection (FDEP):
\$2 Million

Community Involvement:

- ▶ 14 Community Presentations
- ▶ 326 Total People in Attendance

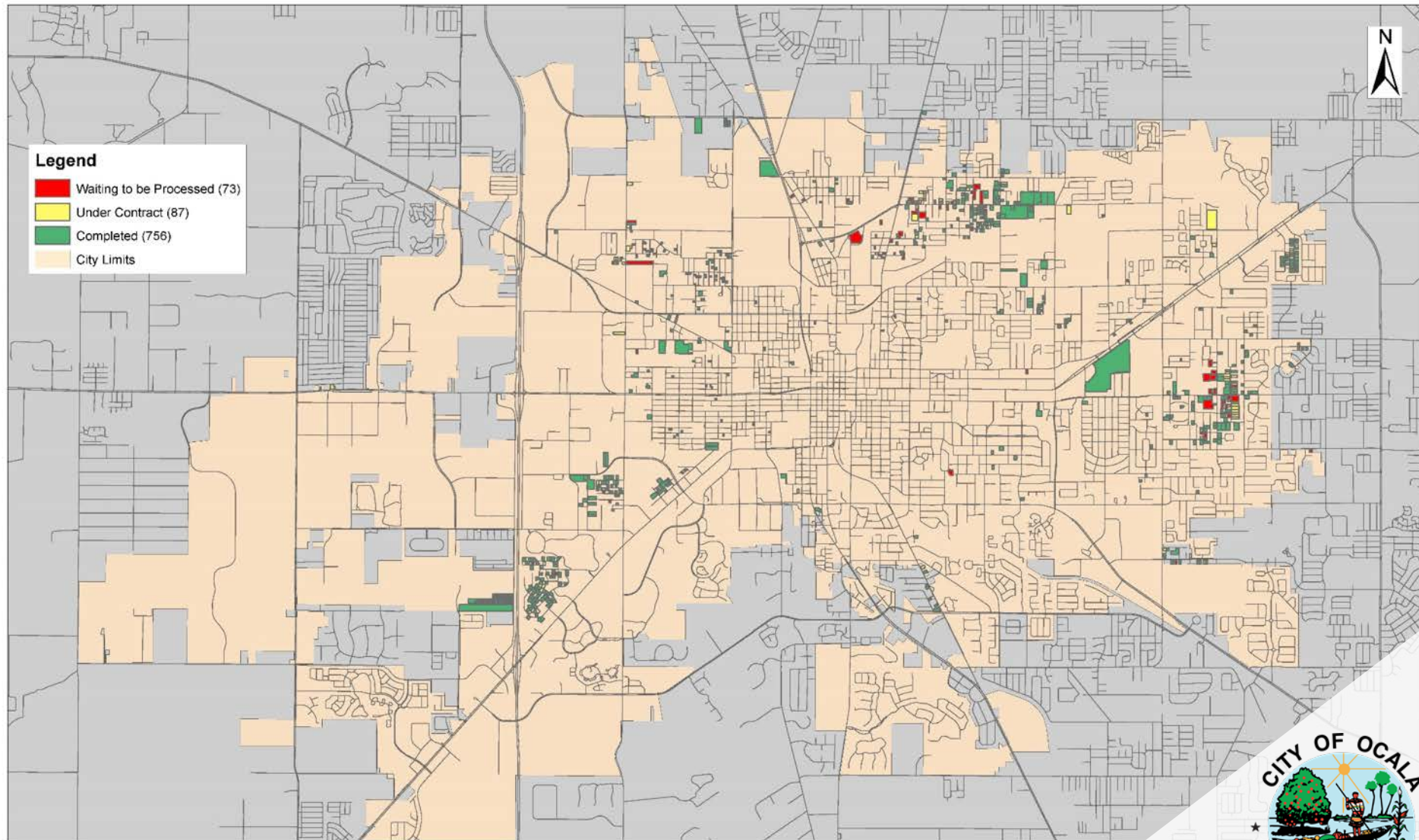


Septic Tank Abandonment Program

- ▶ Start Date: June 2015
- ▶ Original End Date: June 2017
- ▶ NEW End Date: June 2018
- ▶ Total Cost: \$10 Million
- ▶ SJRWMD: \$2.5 Million
- ▶ FDEP: \$2.5 Million
- ▶ City Cost: \$5 Million



Septic Tank Abandonment Program

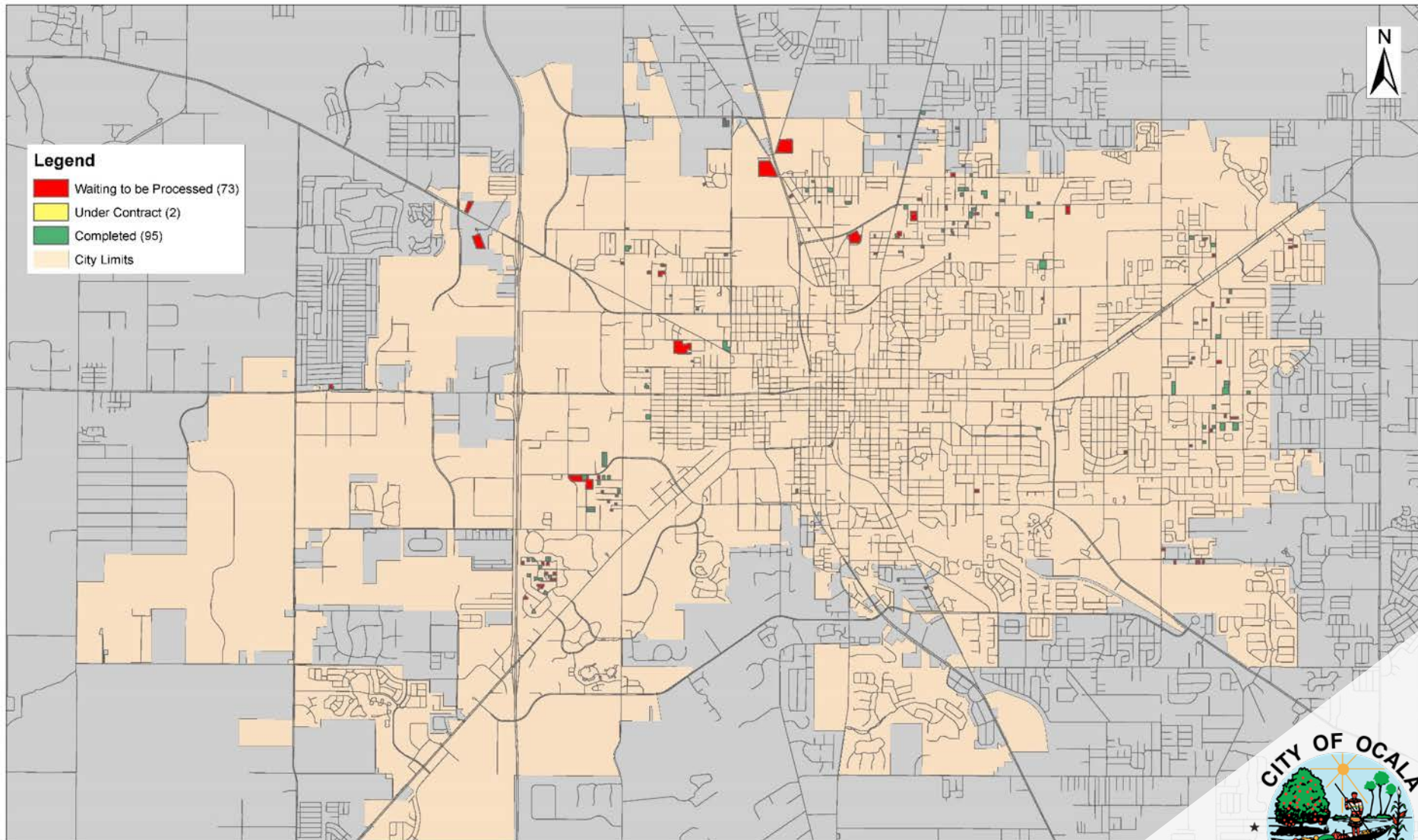


Septic Tank Abandonment Status

As of 11/02/2017



Septic Tank Abandonment Program



Well Elimination Status

As of 11/02/2017



Historic Fort King Reconstruction



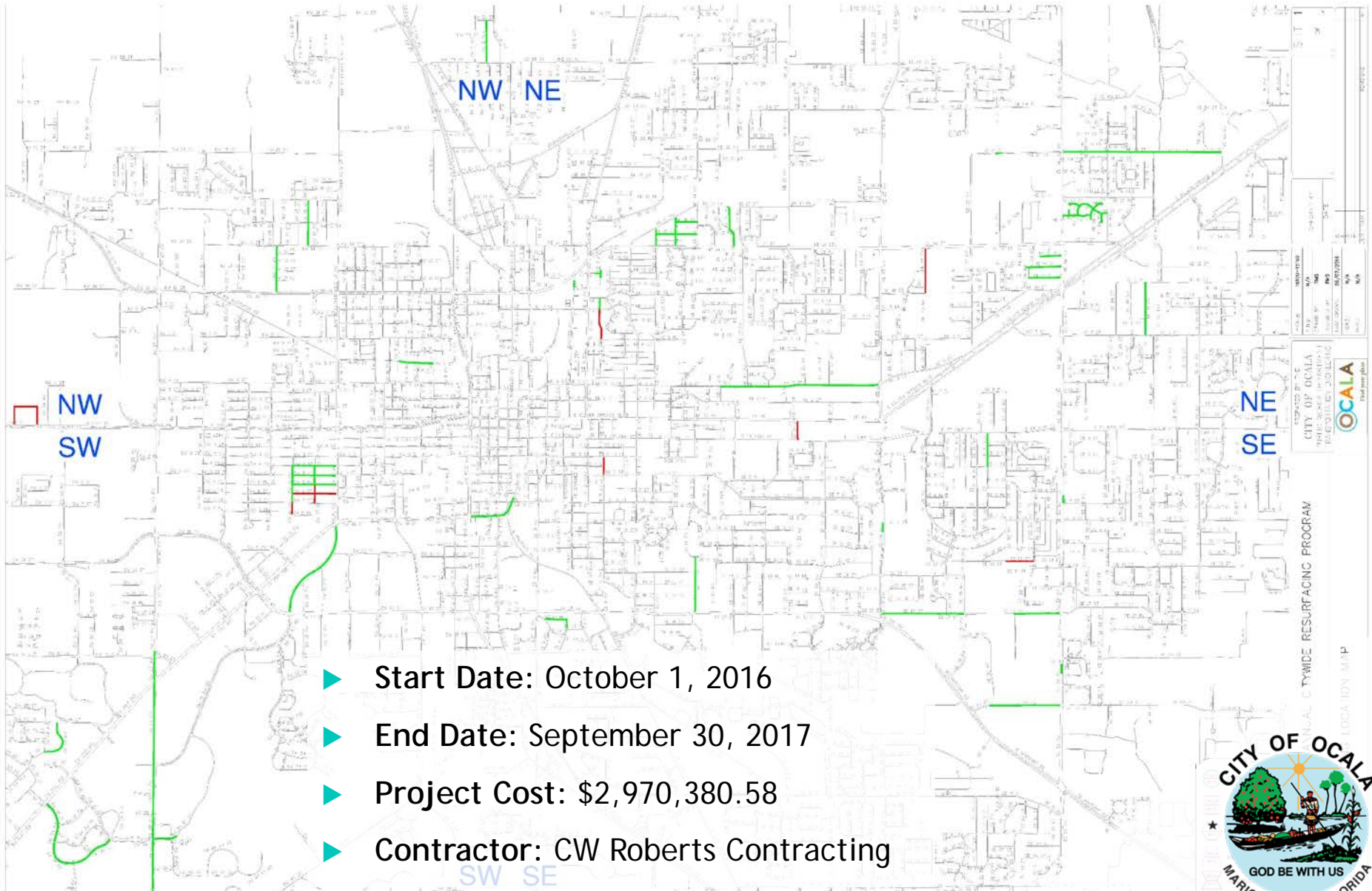
- ▶ **Construction Start Date:**
July 10, 2017
- ▶ **Construction End Date:**
November 17, 2017
- ▶ **Project Cost:** \$800,074
- ▶ **Contractor:** Tillman & Associates Engineering, LLC.



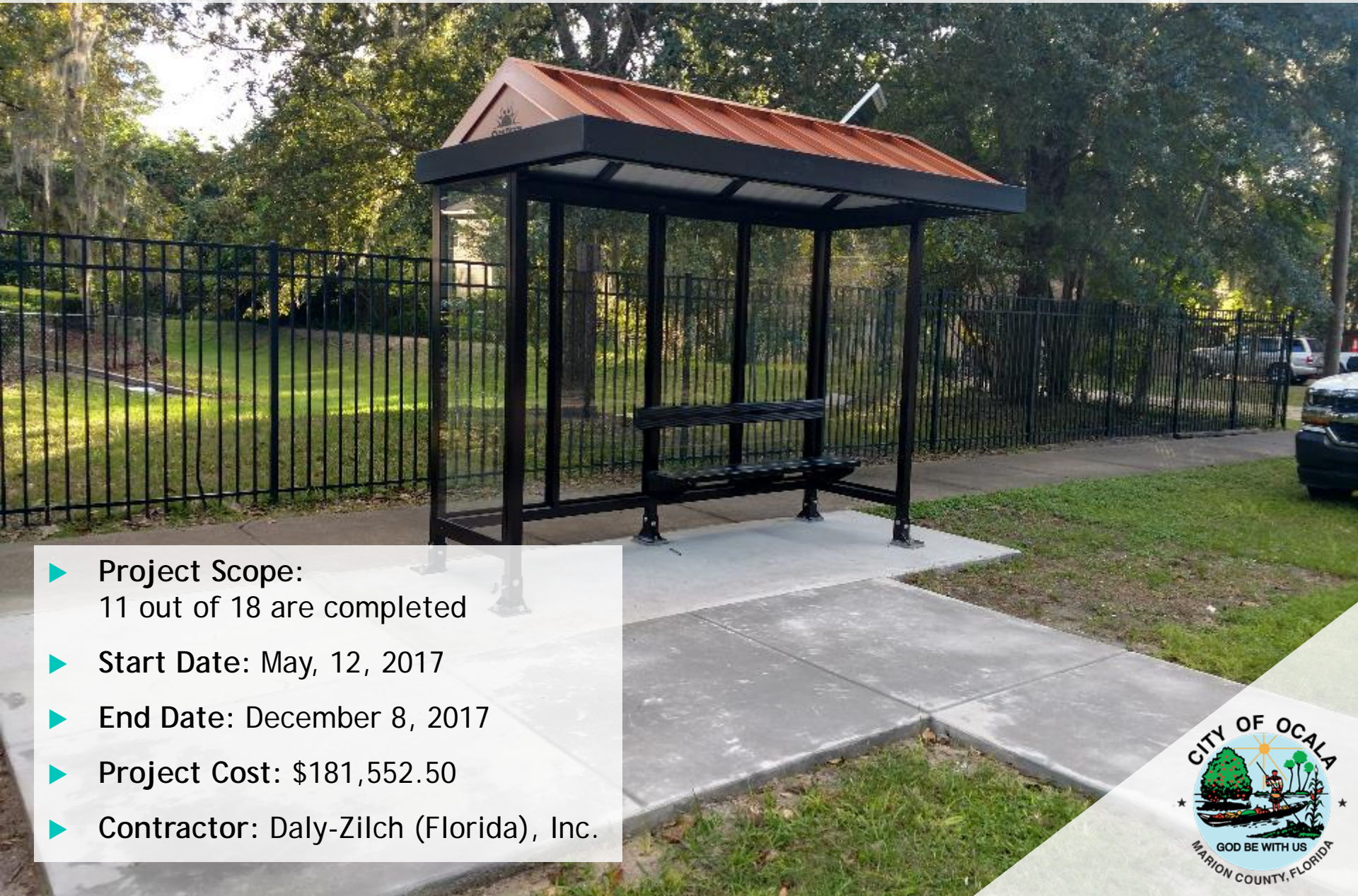
Historic Fort King Reconstruction



2017 Resurfacing Project



Bus Shelters



- ▶ **Project Scope:**
11 out of 18 are completed
- ▶ **Start Date:** May, 12, 2017
- ▶ **End Date:** December 8, 2017
- ▶ **Project Cost:** \$181,552.50
- ▶ **Contractor:** Daly-Zilch (Florida), Inc.



Water Reclamation Facility #1 Decommission: Digester Cleaning



- ▶ Start Date: October 16, 2017
- ▶ End Date: November 30, 2017
- ▶ Project Cost: \$126,800
- ▶ Contractor: American Pipe & Tank



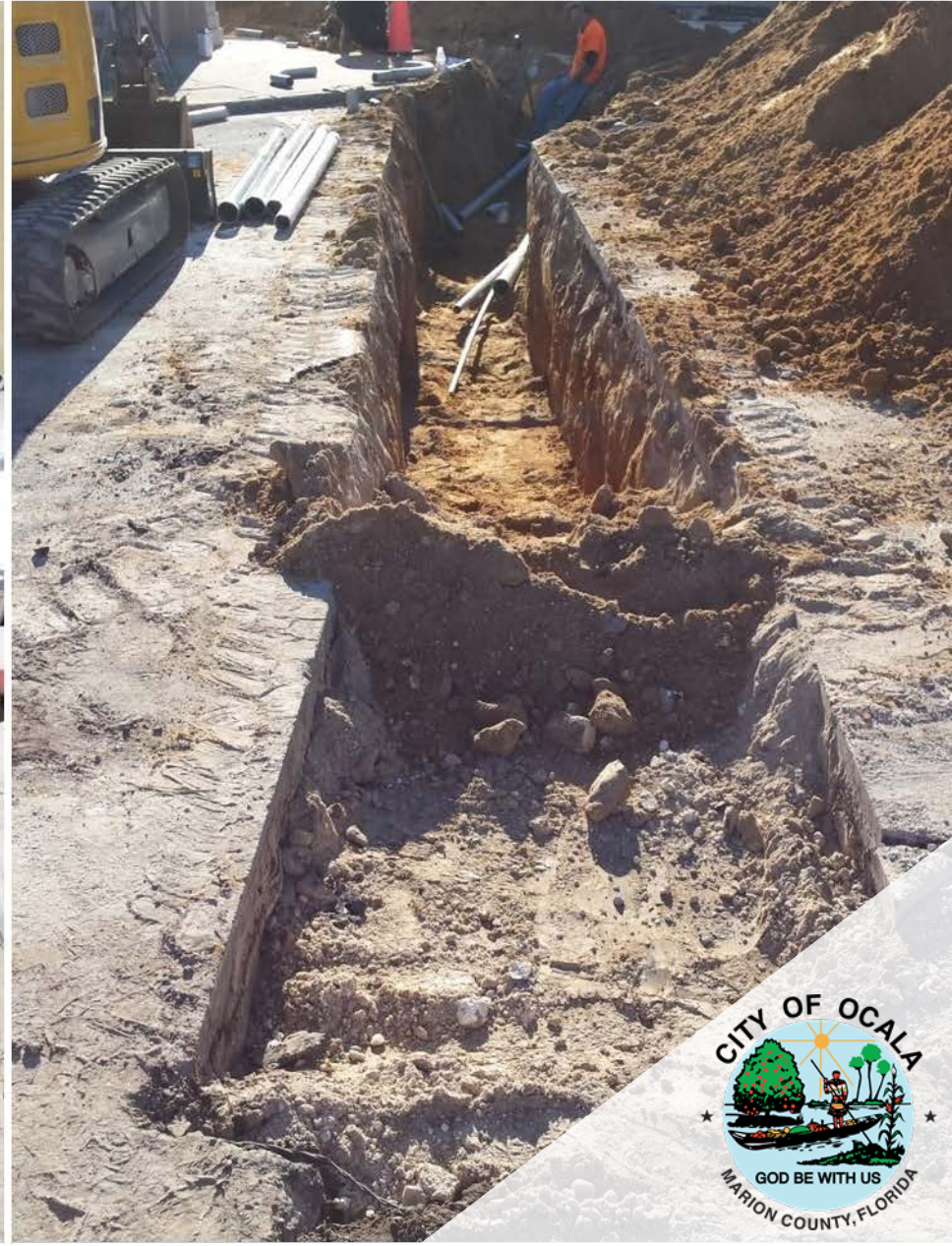
Osceola Trak Electric



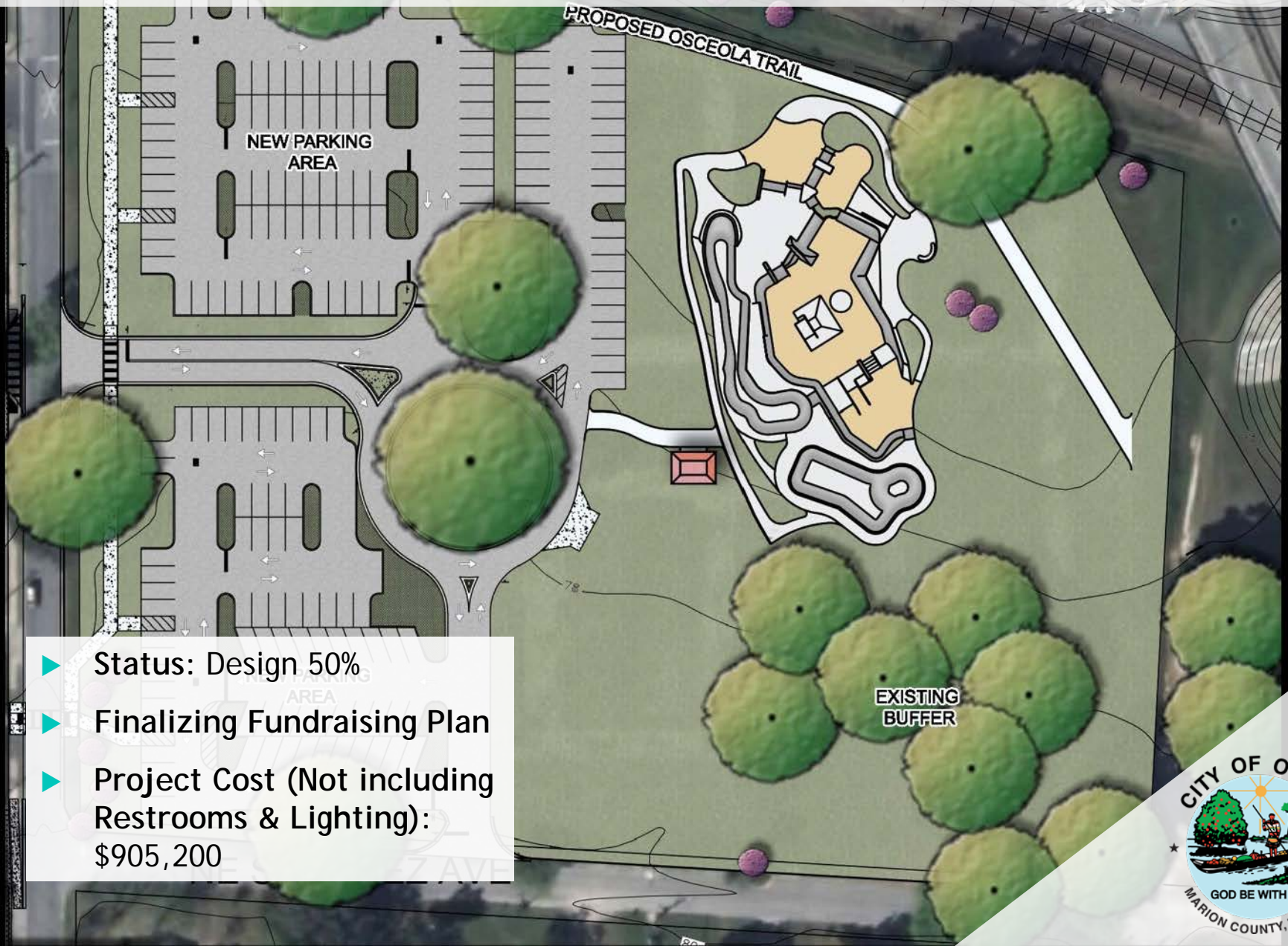
- ▶ Start Date: October 2, 2017
- ▶ End Date: June 1, 2018
- ▶ Project Cost: \$1,600,000
- ▶ Contractor:
Elite Construction of Ocala, Inc.



Osceola Trak Electric



Skate Park



- ▶ Status: Design 50%
- ▶ Finalizing Fundraising Plan
- ▶ Project Cost (Not including Restrooms & Lighting): \$905,200



Tusawilla First Responder Campus

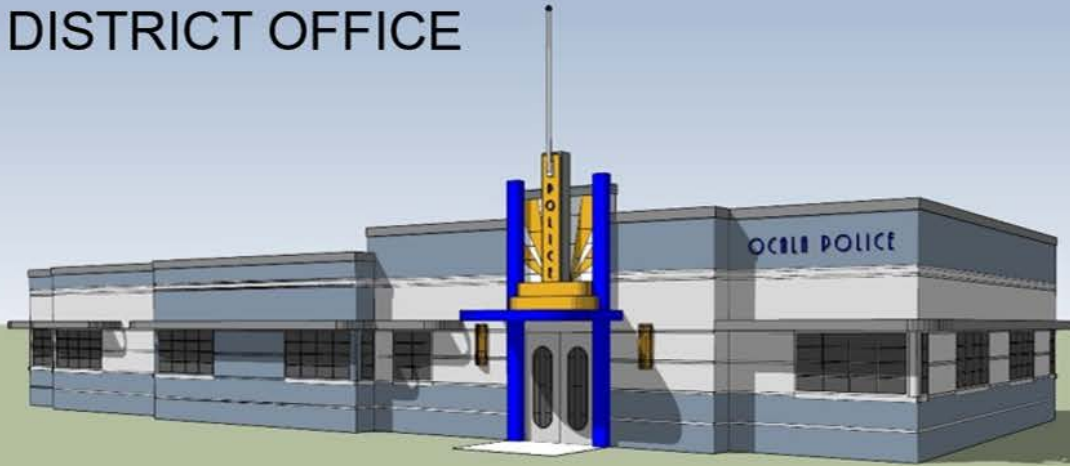
Fire Station No. 1/
OPD District Office
Location

- ▶ Start Date: December 1, 2017
- ▶ End Date: October 31, 2018
- ▶ Project Cost: \$2,735,470.21
- ▶ Contractor: Dinkins Construction LLC.



Tuscowilla First Responder Campus

OPD DISTRICT OFFICE



FIRE STATION #1



Fire Station No. 7

SE 29TH ST

SE 31ST ST

Fire Station
No. 7 Location

- ▶ Start Date: December 1, 2017
- ▶ End Date: October 31, 2018
- ▶ Project Cost: \$2,290,320.62
- ▶ Contractor: Dinkins Construction LLC.
- ▶ Started Preliminary Mobilization through eplans



Fire Station No. 7



Downtown Hotel Project

- ▶ Conceptual Design Package Accepted: June 15, 2017
- ▶ Construction Start Date: Coming Months



Downtown Hotel Project



2018 Upcoming Projects



Watula Avenue Roadway Improvements

Project Location

- ▶ **Project Scope:** Drainage Improvements, Water Updates, Repaving, and Sidewalk Repairs
- ▶ **Start Date:** January 15, 2018
- ▶ **End Date:** September 30, 2018
- ▶ **Purchase Order:** Marion Rock, Inc.
- ▶ **Phase I Cost:** \$490,226.10
- ▶ **Phase II Cost:** \$366,951.09
- ▶ **Jack and Bore Cost Estimate:** \$250,000



Water Reclamation Facility #3

Air Upgrades

DESIGN-BUILD WRF#3 AIR UPGRADES
CITY OF OCALA
OCALA, FL

PREPARED FOR

CITY OF OCALA

AREA REPRESENTATIVE

TSC-Jacobs, North
John Verscharen
johntscjn@verizon.net

NOTE

Addendum No 1 has been received and is in compliance.

PREPARED BY

Mark Williams
Phone (801) 931-3000
Fax (801) 931-3090
mark.williams@ovivowater.com

Ovivo USA, LLC
4246 Riverboat Road – Suite 300
Salt Lake City, Utah 84123-2583



- ▶ **Project Scope:** Upgrade aeration components to meet advanced wastewater treatment of 4 million gallons per day (mgd)
- ▶ **Start Date:** May 7, 2017
- ▶ **End Date:** March 2018
- ▶ **Project Cost:** \$1,191,000
- ▶ **Contractor:** Ovivo USA, LLC

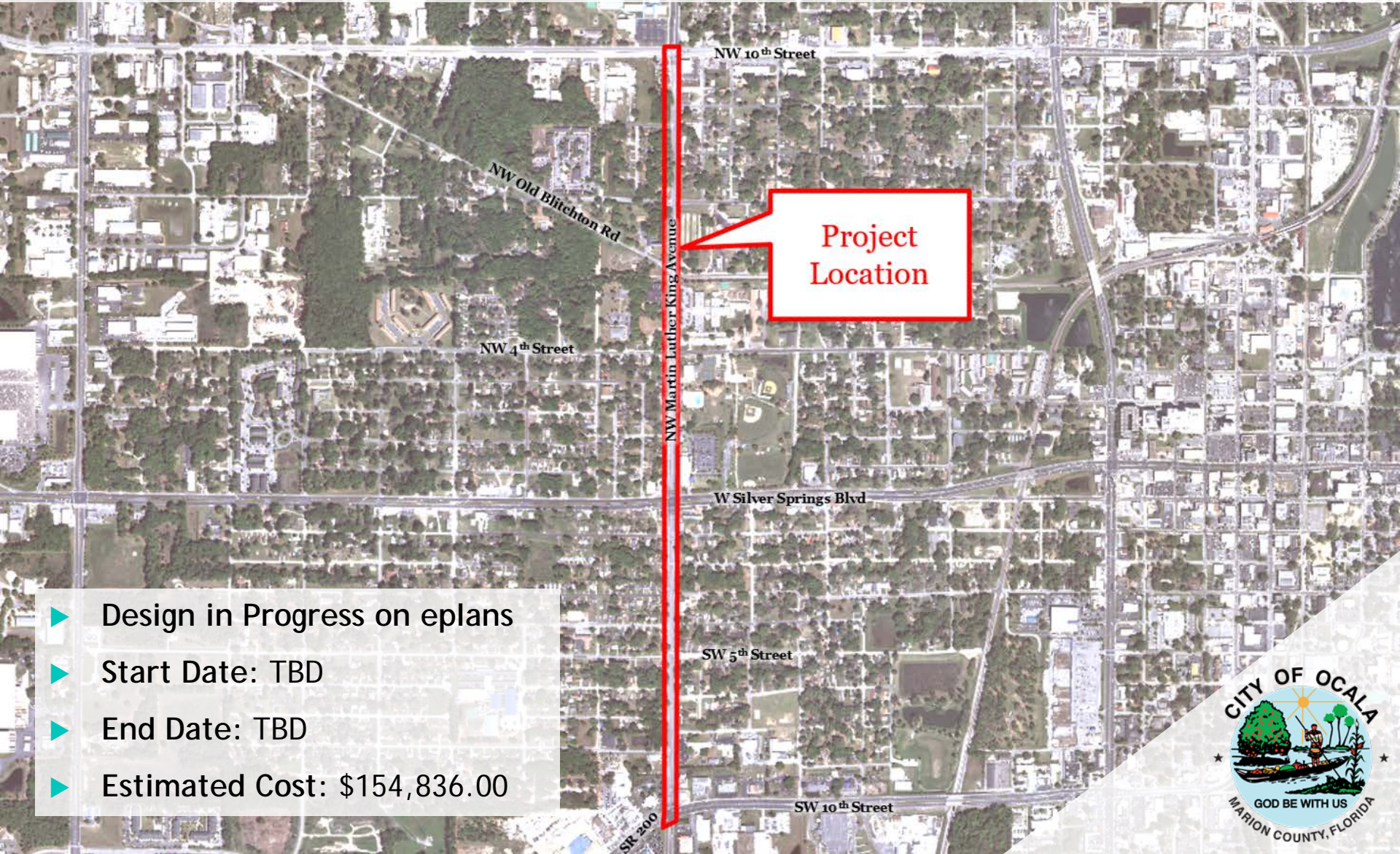


Water Reclamation Facility #3

Air Upgrades



Martin Luther King Ave (MLK) Water Service Renewal & Resurfacing Project



Project
Location

- ▶ Design in Progress on eplans
- ▶ Start Date: TBD
- ▶ End Date: TBD
- ▶ Estimated Cost: \$154,836.00



State Road 40 and MLK Intersection Improvement Project



NE 8th Avenue Restriping



Project Location:
NE 8th Ave from
SR 40 to NE 14th St

- ▶ **Project Scope:** Micro-surfacing and Restriping to add Bike Lanes and Parking
- ▶ **Projected Start Date:** June 2018
- ▶ **Projected End Date:** September 2018
- ▶ **Project Cost:** \$263,000



Pump Station #201 (1600 Block NE 16th Ave)



Pump Station
#201

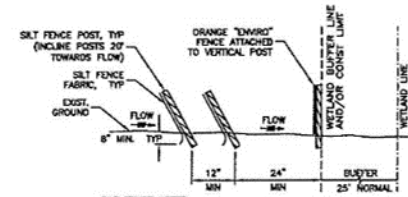
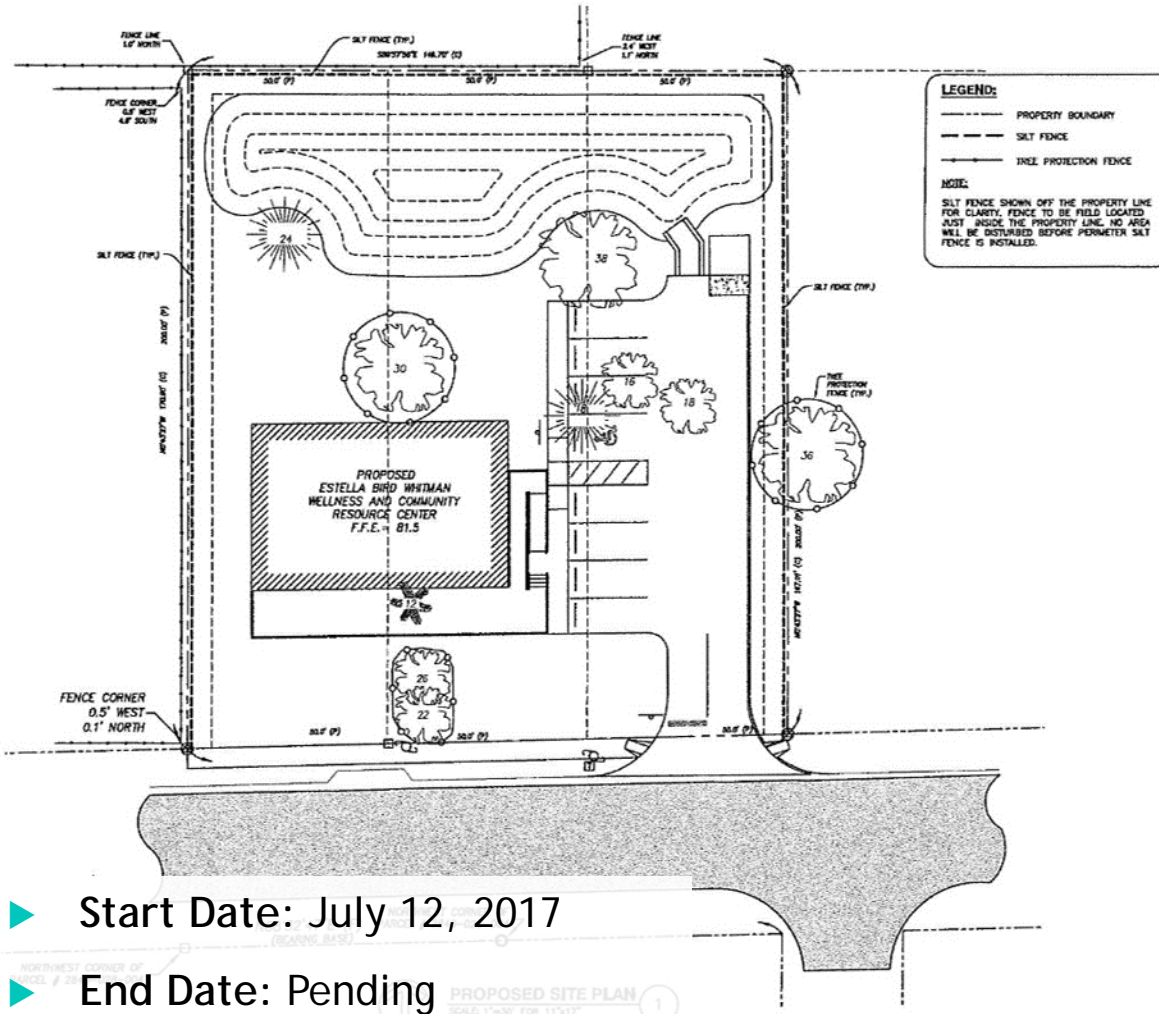
Existing DRA

Proposed DRA
Boundary

- ▶ Projected Start Date: March 2018
- ▶ Projected End Date: May 2018
- ▶ Project Cost: \$225,000



Estelle Byrd Whitman Wellness Center



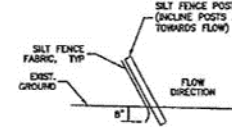
SILT FENCE NOTES:

CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AS FOLLOWS:

- SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
- SHOULD THE FABRIC DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF ITS USE, IT SHALL BE REPLACED PROMPTLY.
- SEDIMENT DEPOSITS SHALL BE REMOVED AFTER EACH STORM EVENT.
- ANY SEDIMENT DEPOSITS LEFT IN PLACE AFTER THE SILT FENCE IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE FINISHED GRADE, PREPARED AND SEEDED.
- GEOTEXTILE MATERIAL TO MEET THE REQUIREMENTS OF SEC. 905-4.

TYPICAL DOUBLE SILT FENCE DETAIL ①

SCALE: N.T.S.



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TYPICAL SILT FENCE DETAIL ②

SCALE: N.T.S.

NOTES:

- ALL TREES OUTSIDE OF THE TREE PROTECTION BARRICADE AREAS ARE TO BE REMOVED. SEE LANDSCAPE PLANS FOR PROPOSED TREE POINTS.
- CONTRACTOR SHALL PROVIDE MAIL CHECKS TO THE CITY FOR REVIEW PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- TREES WITHIN TREE FENCES ARE TO BE PRESERVED. ALL CONSTRUCTION ACTIVITIES ARE TO REMAIN OUTSIDE OF THE TREE FENCING AREAS.
- THE BUREAU OF PARKS SHALL BE CONTACTED PRIOR TO REMOVING AND 4" CALIBER OR LARGER TREES.

- ▶ Start Date: July 12, 2017
- ▶ End Date: Pending
- ▶ Project Cost: \$20,000
- ▶ Contractor: ModSpace

City of Ocala Growth Management
SPL 14-0013 02/12/15



BUILDING SITE PLAN
ESTELLE BYRD WHITMAN WELLNESS & COMMUNITY RESOURCE CENTER
131 N.W. 7TH STREET OCALA, FL 34761

REINARDO MALAVE, P.E.
FL REG NO. 31588

KEY PLAN

No.	DATE	BY	DESCRIPTION

DESIGNED BY: H&P
APPROVED BY: H&P
CHECKED BY: H&P
DATE: July 12, 2014

THE EROSION CONTROL AND TREE PROTECTION



Estelle Byrd Whitman Wellness Center



Estelle Byrd Whitman Wellness Center



Open Pavilion Engagement Center

SITE DATA

THE PURPOSE OF THIS PROJECT IS TO BUILD A ROOFED PAVILION ENGAGEMENT CENTER PLUS ACCESSORY RESTROOMS AND OFFICE, WITH A STORAGE BUILDING AS A SEPARATE PHASE.

PARCEL I.D. NUMBER: 2855-004-000

SITE TOTAL AREA: 59,491 S.F. (1.37 A.C.)

PROJECT WORK AREA: 21,888 S.F. (0.50 A.C.)

ZONING

SUBJECT SITE: B4 - GENERAL BUSINESS

NORTH: NW 2ND STREET

EAST: B4 - GENERAL BUSINESS

SOUTH: NW 1ST STREET

WEST: RAILROAD

EXISTING USE: EMERGENCY SHELTER

PROPOSED AREA CALCULATIONS:

BUILDING AREA: 3,036 S.F. (14.00%)

PAVED AREA: 1,990 S.F. (9.17%)

TOTAL IMPERVIOUS AREA: 5,026 S.F. (23.17%)

TOTAL PERVIOUS AREA: 16,862 S.F. (76.83%)

TOTAL AREA: 21,888 S.F. (100%)

DATUM '88

C.P. # 600

ELEV.= 66.61

Set 8" IRC COO CP

SPC = N 1764916.2355

E 610934.9432

C.P. # 601

ELEV.= 67.81

Set 8" IRC COO CP

SPC = N 1764724.1454

E 610965.7944

C.P. # 604

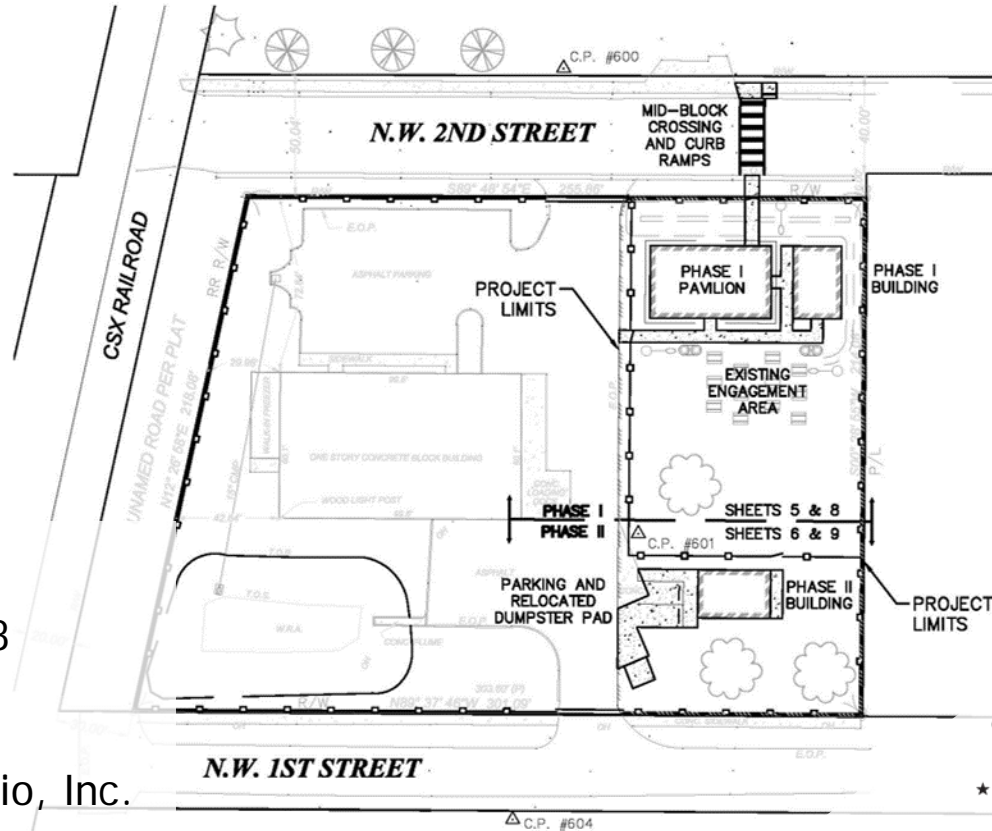
ELEV.= 67.17

Set 60D NAIL

SPC = N 1764606.1032

E 610913.8801

LEGEND					
3/4" or 1"	th.	fire hydrant	□	u.w.	water meter
3/4"	u.w.	water valve	■	giblet	grate inlet
▲	c.p.	control point	●	as nh	sewer manhole
11" or 12"	tel. riser	telephone riser	○	alarm inlet	alarm inlet
1/2"	p.p.	power pole	●	m. wall	monitoring well
1/4"	r/w	right of way	○	new o/b	cover element
P/L		property line			



DRAINAGE SUMMARY

THIS PROJECT CONSISTS IN THE CONSTRUCTION OF A PROPOSED PAVILION AND PRE-CAST BUILDING, WITH A SECOND BUILDING TO BE CONSTRUCTED AS A SEPARATE PHASE. DRAINAGE WILL BE PROVIDED BY CREATING A SHALLOW RETENTION SWALE TO CAPTURE THE DRAINAGE FROM THE EXISTING UNIMPROVED BASIN WHICH IS NOT PRESENTLY CAPTURED BY THE EXISTING RETENTION AREA.

WATER & SEWER

WATER SERVICE TO THE PHASE I BUILDING WILL BE PROVIDED BY A 2" SERVICE HOT-TAPPED FROM THE EXISTING WATER LINE ON NW 2ND STREET. SEWER SERVICE TO THE PHASE I BUILDING WILL BE PROVIDED BY A 6" SERVICE TO BE CONNECTED TO THE EXISTING GRAVITY SEWER LINE ON NW 2ND STREET.

WATER SERVICE TO THE PHASE II BUILDING WILL BE PROVIDED BY A 2" SERVICE HOT-TAPPED FROM THE EXISTING WATER LINE ON NW 1ST STREET. SEWER SERVICE TO THE PHASE II BUILDING WILL BE PROVIDED BY A 6" SERVICE TO BE CONNECTED TO THE EXISTING GRAVITY SEWER LINE ON NW 1ST STREET.

CONTRACTOR TO MAKE ALL NECESSARY DEFLECTIONS.

SIDEWALK

A MID-BLOCK CROSSING IS PROPOSED FOR ACCESS FROM THE PROPOSED PAVILION TO THE EXISTING SIDEWALK ALONG THE NORTH SIDE OF N.W. 2ND STREET.

FENCE NOTE:

ALL PROPOSED FENCES AND GATES TO BE INSTALLED IN PHASE I. IF CONTRACTOR DAMAGES OR DISASSEMBLES ANY FENCE ERRECTED IN PHASE I DURING PHASE II, IT SHALL BE REPLACED/REASSEMBLED IN A TIMELY MANNER AT CONTRACTOR'S EXPENSE.

- ▶ Start Date: August 2017
- ▶ End Date: September 30, 2018
- ▶ Project Cost: \$315,000
- ▶ Contractor: Architecture Studio, Inc.

OVERALL SITE PLAN VIEW

SHEET #:	4	OF	11
DATE	REV. BY	DM	
10/20/17			

ENGINEER OF RECORD:
OSCAR TOVAR, P.E.
Registered Engineer No. 64599
State of Florida, DATE:
Valid only with embossed seal.

PROJ.#: 17701
FILE #: 592/63-64
LAST DRAWN: 10/26/17

ENGINEERING & WATER RESOURCES DEPARTMENT
TRANSPORTATION ENGINEERING DIVISION



Historic District Street Lights



- ▶ Start Date: TBD
- ▶ End Date: September 29, 2018
- ▶ Project Cost: \$154,000



QUESTIONS?