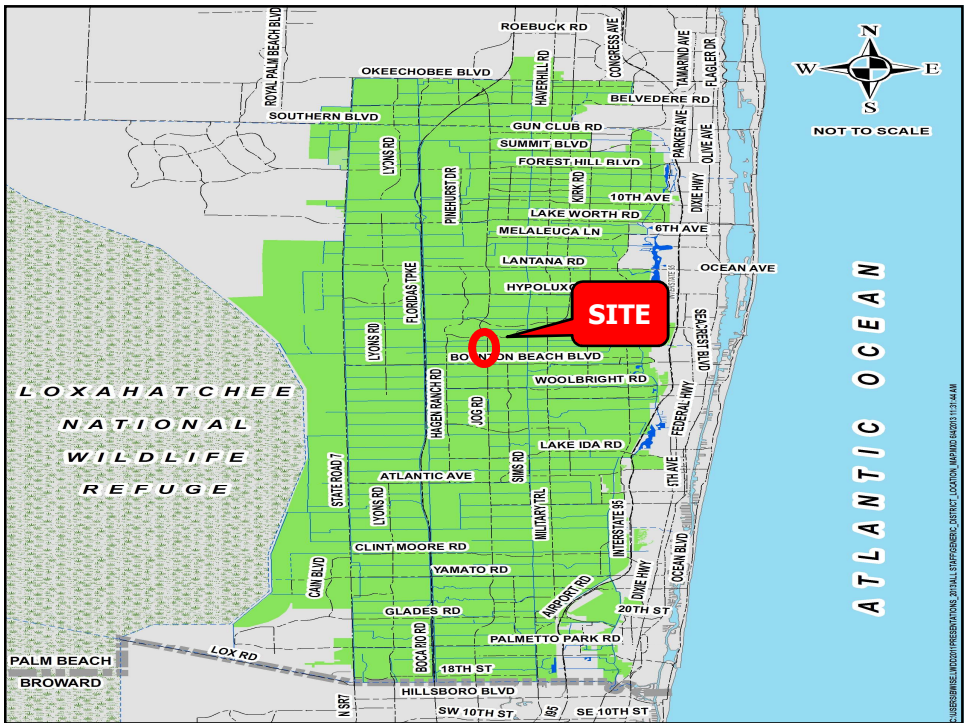
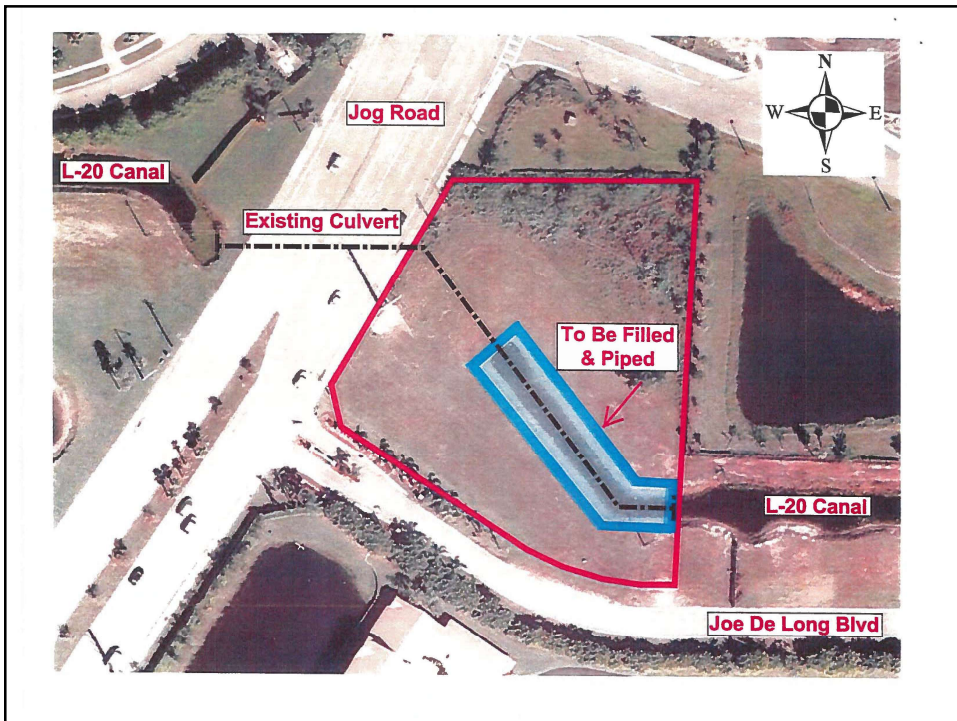
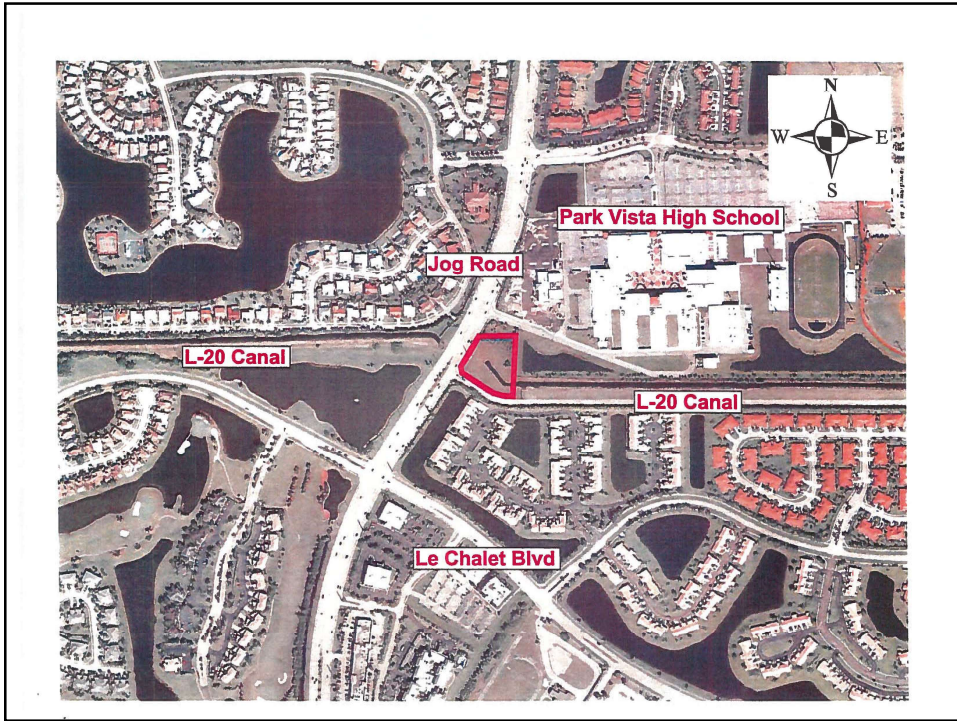


# PARK VISTA PLACE

Project #RW-18-0195

November 14, 2018  
Nicole Smith, Right-of-Way Permit Coordinator







## Project History



- Per LWDD Policy, approval to Pipe a canal in order to use for parking is based on an approved hardship
- Due to the history of this project and the configuration of the L-20 Canal through the subject parcel, staff feels that it meets the requirements of a hardship
- May 2002 – LWDD Board of Supervisors (Board) approved the piping of a portion of the L-20 Canal under a Piping, Paving, and Parking License Agreement between LWDD and Mr. Pribell
- April 2006 – Mr. Pribell returned and the Board approved the Piping, Paving, and Parking License Agreement
- September 2007 – Mr. Pribell returned and the Board approved the sale of a portion of the L-20 Canal Right-of-Way to Mr. Pribell; Mr. Pribell conveyed an exclusive 80' easement to LWDD; The Piping, Paving, and Parking License Agreement was approved

## Project History continued



- March 2008 – Mr. Pribell paid \$130,500 FMV (26,100 sq. ft x \$5.00) for a portion of L-20 Canal; QCD and Easement Deed were recorded
- November 2008 – Board approved Piping, Paving, and Parking License Agreement on the Consent Agenda
- September 2009 – Board approved Piping, Paving, and Parking License Agreement
- November 2009 – Board denied issuing a Piping, Paving, and Parking License Agreement/Permit without fees being paid

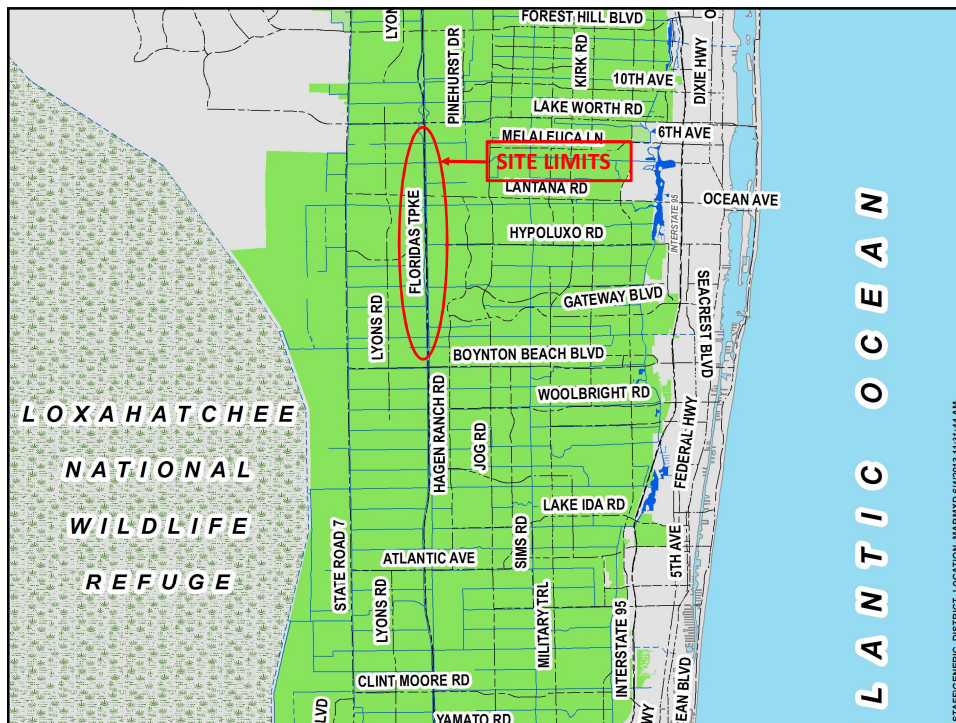


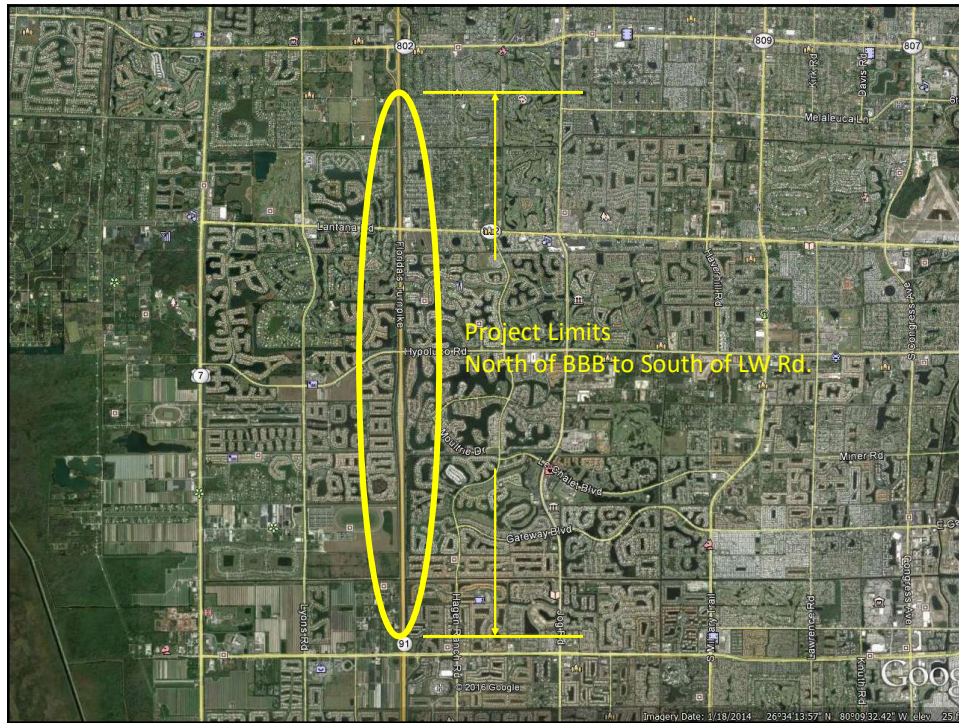
# Florida's Turnpike Widening Boynton Beach Blvd. to Lake Worth Road

LWDD Project SW-17-0007 (FKA: 16-699R.89)

## Memorandum of Agreement (MOA)

Jim Fandrey, P.E., Assistant Director of Right-of-Way  
Board Meeting – November 14, 2018





## Background



- At its April 13, 2016 meeting, Board gave conceptual approval to the proposed design by Florida's Turnpike Enterprise for widening of Florida's Turnpike to eight lanes from Boynton Beach Blvd. to Lake Worth Road
  - Part of proposed design included constructing a bulkhead wall within the eastern most 20 feet of the LWDD E-2W Canal to provide sufficient room for the road widening
  - Proposed bulkhead wall will not only address proposed widening requirements, but will also alleviate the existing erosion and maintenance concerns of LWDD
- Conceptual approval was subject to five (5) considerations

## Conceptual Approval Considerations



### 1. Fees, both property value and permit, TBD; mitigation of fees could occur as result of the Florida's Turnpike Enterprise work required on the E-2W Canal

- District staff and Florida's Turnpike Enterprise staff have worked to determine the fees and other mitigating requirements relative to the proposed widening and design plans have been reviewed and approved
- The required associated fees were calculated and Florida's Turnpike Enterprise has submitted these fees to the District

## Conceptual Approval Considerations



### 2. Hydraulic modeling showing any potential impacts to the canal as a result of the channel being slightly restricted

- Drainage calculations have been provided by Florida's Turnpike Enterprise that shows that the capacity and flow rates for the design section of the LWDD E-2W Canal will not be adversely affected by the proposed bulkhead wall encroaching into the existing canal right-of-way



## Conceptual Approval Considerations



3. Florida's Turnpike Enterprise to install permanent culvert crossings (to LWDD standards) for the benefit of the Turnpike Contractor and LWDD

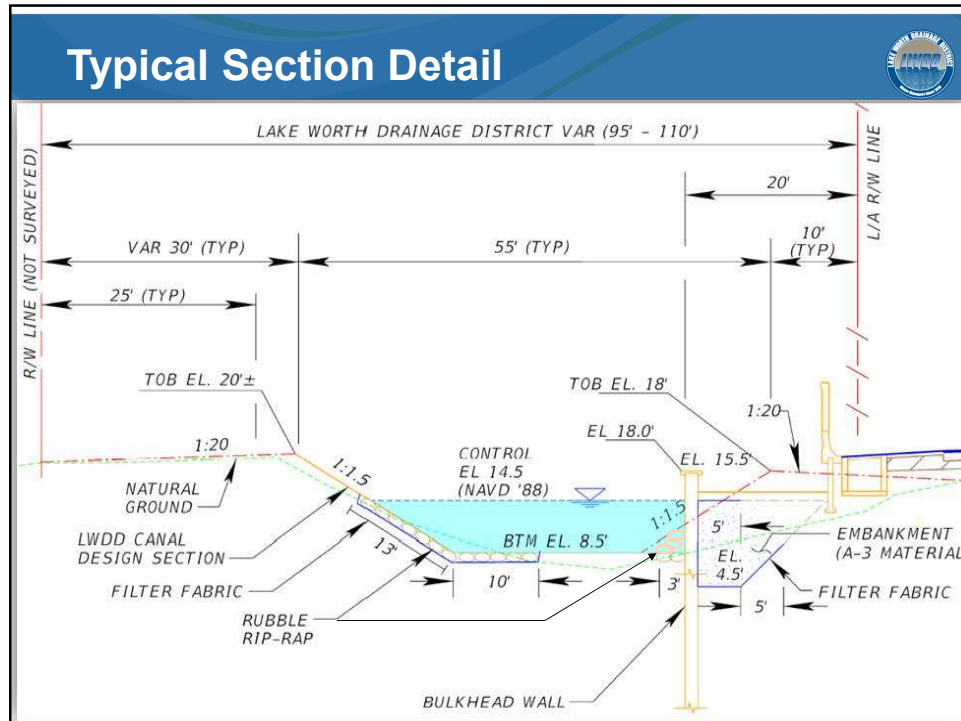
- Included in the design plans is a 72" reinforced concrete box culvert to replace the existing Turnpike bridge over the LWDD L-14 Canal
- On the west side of this new culvert Florida's Turnpike Enterprise is constructing, per LWDD specifications, an operable emergency control structure to separate the 16-foot control basin from the 13-foot control basin

## Conceptual Approval Considerations



4. Florida's Turnpike Enterprise agrees to construct the E-2W canal to its full design section from the West to the East R/W for the limits of the project

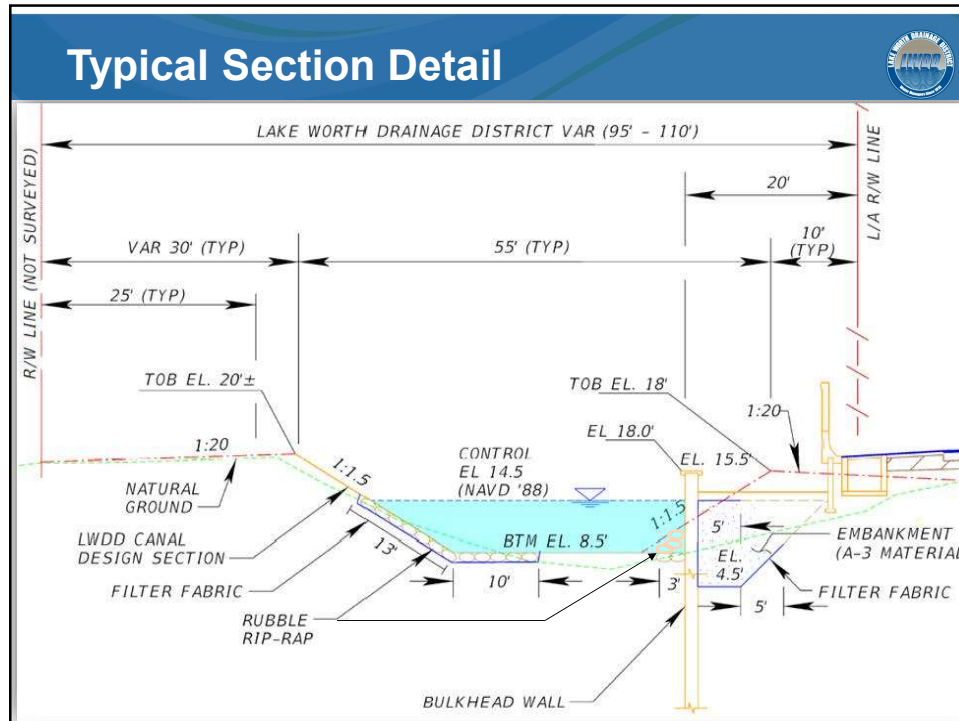
- After further review of existing condition of E-2W Canal it has been determined that no work by Florida's Turnpike Enterprise will be required except the work required to construct the bulkhead wall as detailed on the approved design plans



### Conceptual Approval Considerations

#### 5. Rip-rap rubble to be installed on both sides of the E-2W for the length of the project limits to LWDD satisfaction

- Drainage calculations have been provided by Florida's Turnpike Enterprise that shows that the capacity and flow rates for the design section of the LWDD E-2W Canal will not be adversely affected by the proposed bulkhead wall encroaching into the existing canal right-of-way. However, to reduce future maintenance and operation efforts that will be affected with the addition of the proposed bulkhead wall LWDD will require that rip-rap rubble be installed for the length of the project along the west side of the channel of the E-2W canal pursuant to the typical section that was presented for the conceptual approval at the April 13, 2016 Board meeting



### Project Status

- Upon completion of construction and final inspection, LWDD will transfer to Florida's Turnpike Enterprise fee simple ownership of the right-of-way between the current west right-of-way line of Florida's Turnpike (east right-of-way line of E-2W Canal) and the westerly side of the newly constructed bulkhead wall
- Florida's Turnpike Enterprise submitted permit application and associated fees
- District staff is reviewing the design plans for future permit issuance
- LWDD and Florida's Turnpike Enterprise propose entering into a Memorandum of Agreement to further define ownership and maintenance obligations during and post construction

## Memorandum of Agreement



### Project specific obligations for Florida's Turnpike Enterprise:

- Procure a Construction Engineering and Inspection firm, manage the construction of the project, and provide inspection oversight for the bulkhead wall construction at no expense to LWDD
- Provide LWDD with access based on project's approved and permitted design plans from Turnpike SR 91 for LWDD to operate the L-14 Canal control structure on the proposed culvert; and provide notice to LWDD of any L-14 control structure maintenance issues noticed by Florida's Turnpike Enterprise during normal roadway operations by Florida's Turnpike Enterprise, including traffic accidents that may occur at the control structure maintenance area

## Memorandum of Agreement



### Project specific obligations for LWDD:

- Issue all required Right-of-Way permits upon review and approval of the project's design plans
- Continue to operate and maintain the various canals within the project boundaries during construction while Florida's Turnpike Enterprise's contractor works within the canals pursuant to the approved permitted plans
- Transfer to Florida's Turnpike Enterprise, in fee simple ownership via quit claim deed, the right-of-way containing the bulkhead wall after construction and final inspection/acceptance of the project by LWDD
- After construction and final inspection/acceptance of the project and upon coordination with LWDD, LWDD will provide Florida's Turnpike Enterprise with access to E-2W Canal for inspection and maintenance of bulkhead wall. LWDD will provide vegetation maintenance, as needed, for the bulkhead wall
- Provide notice to Florida's Turnpike Enterprise of any bulkhead wall maintenance issues noticed by LWDD during LWDD's normal canal operations, including incidental contact with the bulkhead wall during canal maintenance activities

## Memorandum of Agreement



### Overall post-construction maintenance responsibilities for Florida's Turnpike Enterprise:

- Structural maintenance of the L-14 Canal culvert and E-2W Canal bulkhead wall
- Maintenance of bridges and culverts within LWDD right-of-way within the limits of this project
- Maintenance of improvements within the LWDD transferred right-of-way including the bulkhead wall and associated appurtenances

## Memorandum of Agreement



### Overall post-construction maintenance responsibilities for LWDD:

- Structural maintenance of the L-14 Canal culvert control structure
- Maintenance of the canal and water flow

## Staff Recommendation



- Approval to enter into a Memorandum of Agreement with Florida's Turnpike Enterprise...



## **Annual Surveying Services for Canal Rehabilitation Program Request for Proposals**

**Project # 18-9854L.04**

Kelsey Smith, P.S.M., Project Surveyor  
Board Meeting – November 14, 2018



### **Background**



- Canal Rehabilitation Program requires the support of surveying services
- Need for surveying services will exceed the workload capacities of District staff
- Contracts will be for a two-year period with two (2) one-year options to renew (maximum of 4 years)

## Annual Surveying Services for Canal Rehabilitation Program RFP



### Proposed Timeline

- ✓ September 5 - Board authorization to advertise
- ✓ September 9 - Advertise RFP
- ✓ October 9 - RFP packages due
- ✓ October 15 - Committee review and ranking
- ✓ October 17 - Board approval of ranked firms and authorization to negotiate contracts with top ranked firms; District anticipates selecting multiple firms
- November 14 – Board approval to enter into contracts with selected firms

## Staff Recommendation



- Approval of Annual Surveying Services Contracts with:
  1. Wantman Group
  2. DRMP
  3. Bowman Consulting



**QUESTIONS?**

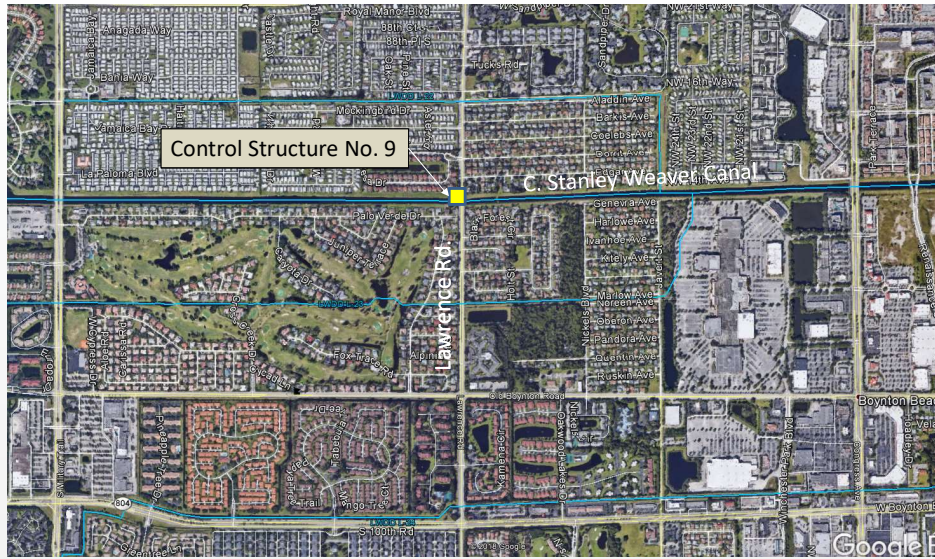


# Control Structure No. 9 Relocation 30% Design Review

Tommy B. Strowd, P.E. – District Engineer



## Location Map



## 30% Design Deliverable

### CONTROL STRUCTURE NO. 9 REPLACEMENT

PREPARED FOR  
**LAKE WORTH DRAINAGE DISTRICT**  
PALM BEACH COUNTY, FLORIDA  
OCTOBER 2018

**VICINITY MAP**  
SECTION 19 AND 24, TOWNSHIP 45 SOUTH, RANGE 40 EAST

**BOARD OF SUPERVISORS**  
 JAMES H. ALCONDA, PRESIDENT  
 STEPHEN BERNICE, SENIOR VICE PRESIDENT  
 JEFFREY F. PAPPAS, SR., VICE PRESIDENT  
 HENRY BAUGHMAN, SUPERVISOR  
 JOHN L. WETWORTH, II, SUPERVISOR

**EXECUTIVE DIRECTOR**  
BOB BRADEN

**DIRECTOR OF OPERATIONS AND MAINTENANCE**  
TOMMY STRONG

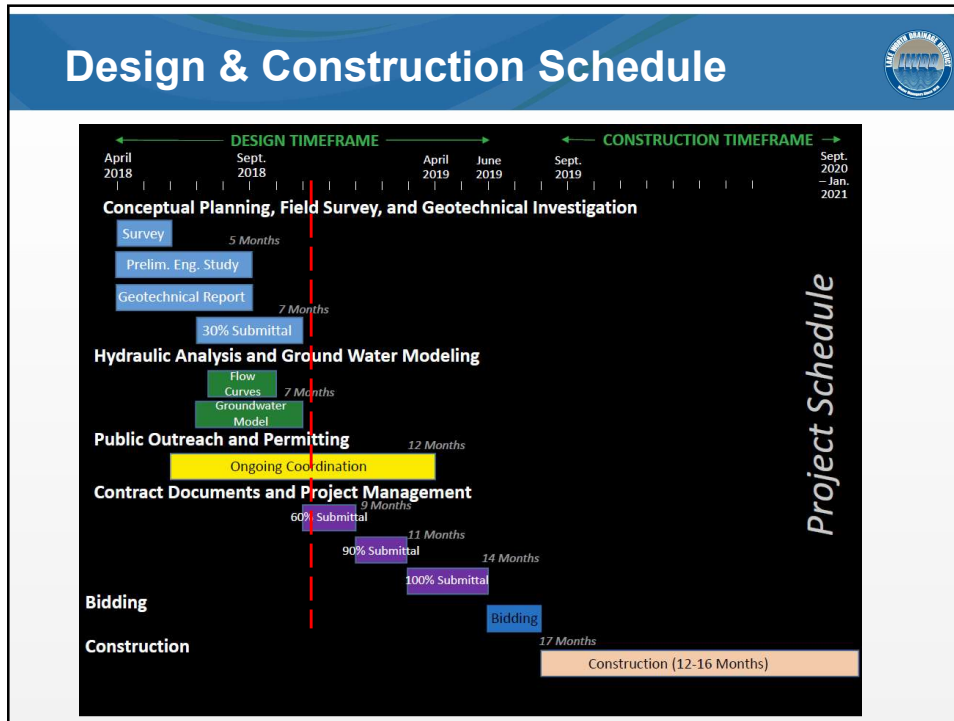
<b>30% SUBMITTAL</b> NOT FOR CONSTRUCTION	<b>MOCK • ROOS</b> CONSULTING ENGINEERS	CONTROL STRUCTURE NO. 9 REPLACEMENT LAKE WORTH DRAINAGE DISTRICT	DATE: 08/28/2018 P.A. NO.: 1800013 SHEET NO.: 01 OF 01 SCALE: 1"=100'
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## 30% Design Deliverable

- Typical 30%, 60%, 90% 100% Design Reviews
- 30% Review
  - Site Layout & Facilities Configuration
  - Geotech Sampling / Analysis
  - Hydraulic / Groundwater Modeling
    - Groundwater modeling is not yet complete
  - Basic Mechanical / Electrical Layout & Design











### Tree Clearing Projects Nov 2017- Nov 2018



- **Total Mileage – 30.66 mi** past 12 months  
(68.05 mi Oct 2015 to current)
  - LWDD 17.62 mi
  - Contractor Services 9.35 mi
  - 3<sup>RD</sup> Party (Developer/Govt.) 3.69 mi

ROW Clearing



■ Completed ■ Remaining

- **Total Cost of Contract Services** Expended or Encumbered
  - FY18 \$1,326,928
  - FY17 \$630,785
  - FY16 \$120,475

## Tree Clearing Projects Nov 2017- Nov 2018



Canal Segment	Project #	Distance	LWDD/Contractor	Clearing Status	Cost
E-4; North of Atlantic (3 sites)	16-9897P.02	0.51 mi	LWDD	In Progress	-
L-38; ~4000ft west of Jog to Jog	16-9856P.02	0.75 mi	LWDD	In Progress	-
L-34; Sherwood to E-3 <sup>1/2</sup> -3 & E-3 <sup>1/2</sup> -3	16-9539P.07	0.89 mi	LWDD	In Progress	- /\$3,123
L-35; Military to E-3 <sup>1/2</sup> -3	169415P.04	1.00 mi	LWDD/Survey	In Progress	- /\$7,650
L-37; ~2000ft west of E-4 to E-4	16-9857P.04	0.38 mi	LWDD/Survey	In Progress	- /\$3,800
L-50; ~700ft west of I-95 to SW 8 <sup>th</sup> Ave.	16-9763P.04	1.15 mi	LWDD/Survey	In Progress	- /\$7,850
L-48; Royal Palm Rd. to SW 9th	16-9975P.06	0.38 mi	LWDD/Survey	In Progress	- /\$4,150
L-49; SW 12 <sup>th</sup> to SW 9th	16-9977P.03a	0.38 mi	LWDD/Survey	In Progress	- /\$4,600
L-4; West of Military Trail	16-9935P.02/.03/.06	1.37 mi	LWDD	Complete	- /\$7,600
L-34; East of E-3	16-9539P.06	0.13 mi	LWDD	Complete	-
L-23; West of Lawrence Rd	17-9953P.06	0.13 mi	LWDD	Complete	-
L-23W; West of SR 7	16-9988P.01	0.78 mi	LWDD	Complete	-
L-26; Military to E-4	16-8889P.02/.03/.04/.06	2.73 mi	LWDD/Survey	Complete	- /\$9,287
L-34W; ~3400ft to ~1200ft west of SR-7	16-9988P.01	0.44 mi	LWDD/Survey	Complete	- /\$3,540
L-24; Military to ~800ft east of Military	18-9954P.03	0.26 mi	LWDD	Complete	-
L-2; East of E-3 to West of Military	16-9933P.05 & P.06	0.39 mi	Contractor/Survey	Complete	\$67,500 /\$4,150
L-6; Kirk to FL Mango	16-9936P.01 & P.02	1.50 mi	LWDD/Contractor/Survey	Complete	\$193,000 /\$7,250
E-2 1/2; L-14 to L-13, L-14 east to Jog	16-9942P.01	1.10 mi	Contractor	Complete	\$94,500 /-
L-48; I-95 to Royal Palm Rd.	16-9975P.05	0.74 mi	LWDD/Survey	Complete	- /\$2,690
L-48; Lyons to Boca Rio	16-9975P.02	0.85 mi	FDOT/LWDD	Complete	-

## Tree Clearing Projects Nov 2017- Nov 2018



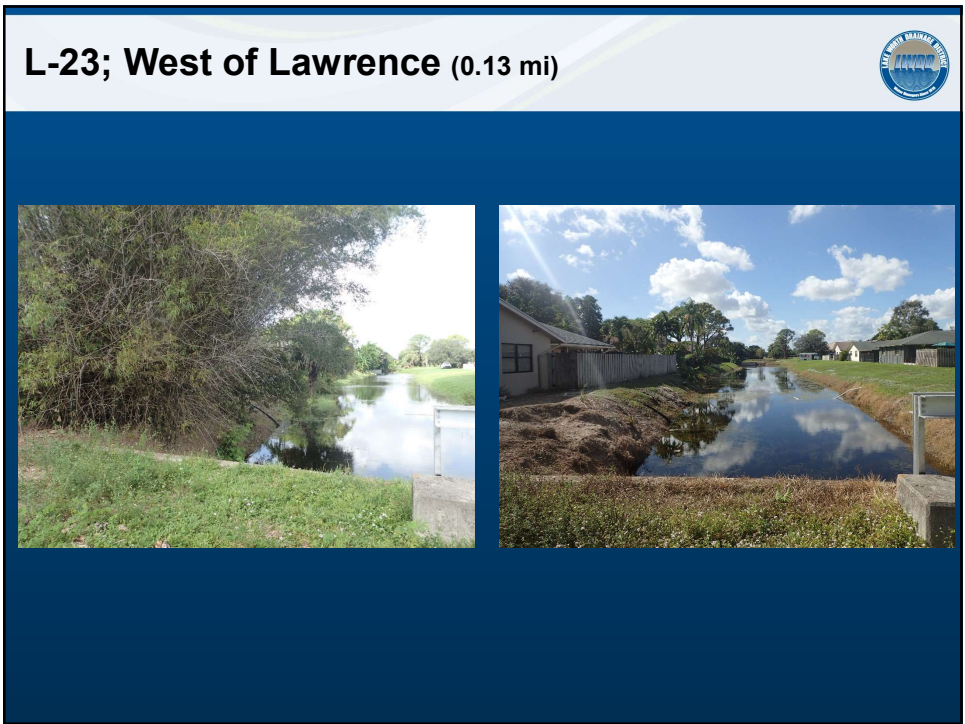
Canal Segment	Project #	Distance	LWDD/Contractor	Clearing Status	Cost
L-46; NW 13 <sup>th</sup> to E-4	16-9387P.05b	0.08 mi	LWDD	Complete	-
L-3; Turnpike to Jog & Caroline to E-3	16-9934P.02 & P.03	0.99 mi	Contractor/Survey	Complete	\$88,682 /\$6,943
L-45; Jog to E-3	16-9974P.03	1.00 mi	LWDD/Survey	Complete	- /\$6,185
L-44; Jog to E-3	16-9917P.01	1.21 mi	LWDD/Contractor/Survey	Complete	\$24,940 /\$6,185
L-25; ~1700 ft west of Jog to Jog	16-9955P.02	0.32 mi	Contractor/Survey	Complete	\$58,790 /\$3,400
E-4; Mission Hill to I-95 (WEST bank)	16-9897P.09	0.22 mi	Contractor	Complete	\$30,000 /-
L-49; I-95 to SW 12th	16-9977P.03b	0.41 mi	LWDD/Survey	Complete	- /\$2,800
L-46; Glades to NW 13th	16-9387P.05a	0.37 mi	Contractor/Survey	Complete	\$58,000 /\$1,800
E-2; L-4 to Belvedere Rd	16-9917P.03	0.62 mi	LWDD	Complete	-
L-39; SR-7 to Lyons	16-9965P.01	1.05 mi	Developer	Complete	-
E-3; L-45 to L-44	16-9921P.14	0.63 mi	LWDD/Survey	Complete	- /\$4,820
L-26; ~1200ft west of Military to Military	17-8889P.05	0.23 mi	Contractor/Survey	Complete	\$28,680 /\$4,778
L-41; Broken Sound to E-4	16-9968P.03	0.78 mi	Contractor/Survey	Complete	\$39,000 /\$3,180
L-23; East of Hagan Ranch Rd	16-9953P.03	0.13 mi	LWDD	Complete	-
E-4; Mission Hill to I-95 (EAST bank)	16-9897P.09	0.22 mi	Contractor/Survey	Complete	\$27,582 /-
L-48; ~1000ft east of SR-7 to Vineyard	16-9975P.06	0.21 mi	LWDD	Complete	- /-
L-48; East of Vineyard to Lyons	16-9975P.01	0.60 mi	Contractor/Survey	Complete	\$72,500 /\$4,180
L-24; Boynton Bch to Knuth	16-9954P.01	1.35 mi	Contractor/Survey	Complete	\$95,000 /\$8,300
L-23; E-2E to Hagan Ranch Rd	16-9953P.03	0.50 mi	Contractor/Survey	Complete	\$44,500 /\$4,700



## Tree Clearing Projects Nov 2017- Nov 2018



Canal Segment	Project #	Distance	LWDD/Contractor	Clearing Status	Cost
E-3 ½-8; L-2 to Westgate	16-9983P.01	0.41 mi	LWDD/Survey	Complete	- /\$3,650
L-2; Wabasso to Congress	16-9933P.07	0.91 mi	LWDD/Survey	Complete	- /\$5,010
L-7; FL Mango to Forest Hill	17-9937P.07	0.30 mi	Contractor/Survey	Complete	\$20,500 /\$2,375
L-8; Tucker to Congress	17-9760P.07	0.40 mi	Contractor/Survey	Complete	\$51,168 /\$3,465
L-41; West of E-1	17-9968P.04	0.31 mi	LWDD/Survey	Complete	- /\$3,180
L-21; Lawrence to E-4	16-9950P.04	0.85 mi	Contractor/Survey	Complete	\$25,725 /\$2,995
E-2; South of Okeechobee	16-9917P.04	0.23 mi	Contractor/Survey	Complete	\$18,500 /\$2,545
E-1; North of Spanish Isles	16-9970P.02	0.11 mi	LWDD	Complete	-
E-4; Thompson Rd to L-18	16-9897P.04	0.32 mi	LWDD	Complete	-
E-3; North/South of L-19	16-9948P.01	0.65 mi	LWDD	Complete	-
E-2W; Hillsboro to SW 18th	17-9931P.05	0.20 mi	LWDD	Complete	-
L-36; West of Lyons	17-9856P.03	0.13 mi	Developer	Complete	-
E-4; L-38 to Old Germantown Rd*	16-9897P.15	0.40 mi	LWDD	Complete	-
L-39W; S-7 to SR-7	15-9761P.01	0.97 mi	LWDD	Complete	-
L-31; West of E-3	16-9960P.03	0.51 mi	LWDD	Complete	-
L-10; East of E-1	17-9938P.01	0.13 mi	LWDD	Complete	-
L-13; East of E-1	16-9493P.02	0.18 mi	LWDD	Complete	-
E-3; Lake Ida Rd to ~1200ft N of Via Delray	16-9921P.11	0.56 mi	LWDD	Complete	-
L-39; Lyons to E-2W & E-2W; L-38 to L-39	16-9965P.02	1.44 mi	Developer	Complete	-



**L-4; West of Military Trail (1.37 mi)**

