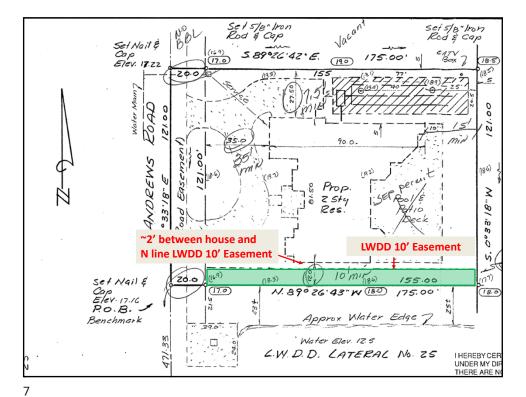


L-25 Canal Right-of-Way History



- May 5, 1972 QCD from Pine Tree Golf Club, Inc. to LWDD 85' for the L-25 Canal
- June 11, 1987 10' QCD from LWDD to Hanessian ORB 5309/1626 (Doc. No. 4139-A)
- June 11, 1987 10' Easement Deed from Hanessian to LWDD ORB 5309/1627 (Doc. No 4139-B)



Background



- April 2023 CCRP notification sent to homeowners
- May 2023 NOV sent to homeowner for encroachments
- May 2023 Variance application received for all landscaping, AC, pool heater & pipes, pool & irrigation equipment
- June 6, 2023 Vegetation removal to begin

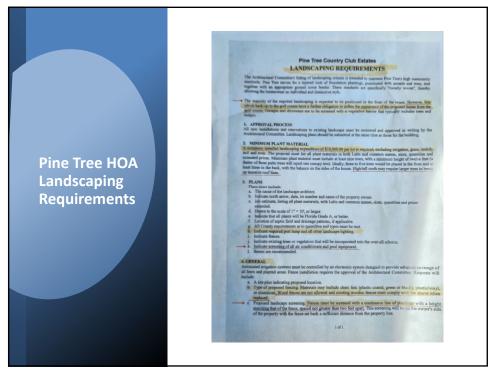








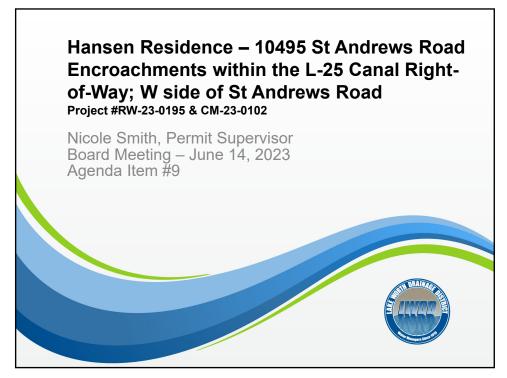


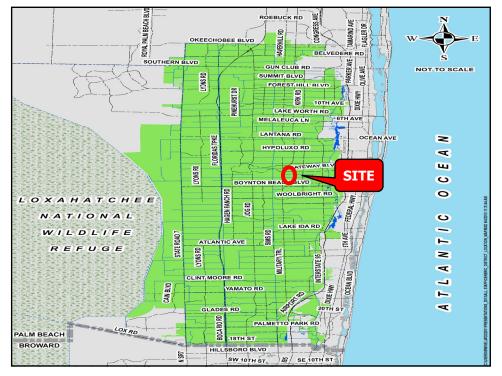


Staff Recommendation



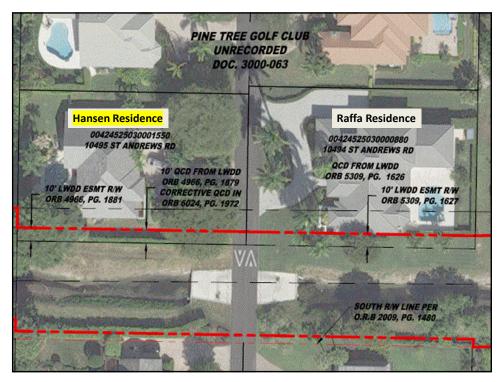
- Approval to issue a Right-of-Way Permit to Mr. Raffa for the Encroachment of One (1) Royal Palm Tree, a Portion of the Concrete AC Pad, the Clusia Hedge adjacent to the Concrete AC Pad, and any existing private underground utility lines
- Subject to:
 - The removal of the Black Olive Tree and Two (2) Palm Tree clusters with shrubs within 90 days
 - An exhibit reflecting the approved encroachments
 - Proof of Liability Insurance (\$300,000 Min.) listing LWDD as a Certificate Holder
- Permit Fees:
 - Application Fee \$50.00 (Reduced per Board)
 - **Use Fee** Waived; Existing Encroachments
 - Annual Fee \$50.00 (Reduced per Board); Adjusted every Five (5) years by the Compounded CPI







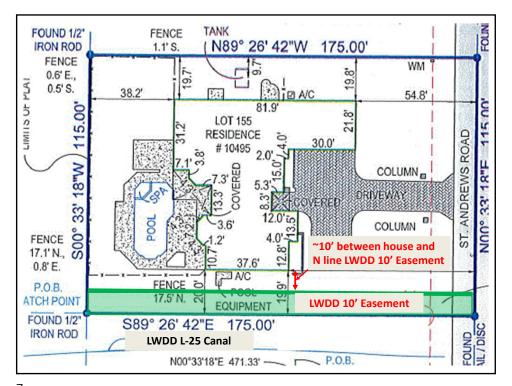




L-25 Canal Right-of-Way History



- May 5, 1972 QCD from Pine Tree Golf Club, Inc. to LWDD 85' for the L-25 Canal
- August 9, 1986 10' QCD from LWDD to Smith ORB 4966/1879 (Doc. No. 4047-A)
- August 9, 1986 10' Easement Deed from Smith to LWDD ORB 4966/1881 (Doc. No 4047-B)
- August 9, 1986 Agreement Re: Berming, Landscaping, Improvements & Maintenance of Real Estate between LWDD and Smith ORB 4966/1883 (Doc. No 4047-C)
 - Smiths shall purchase 10' LWDD Right-of-Way for \$2,000.00
 - · Improve easement to include berm
 - Overhang of roof and drainage from south side of roof by gutters to a dry well to the rear of house and to street in front; No above ground drainage from roof across easement to the south
- April 7, 1989 Corrective QCD from LWDD to Smith to correct the legal description



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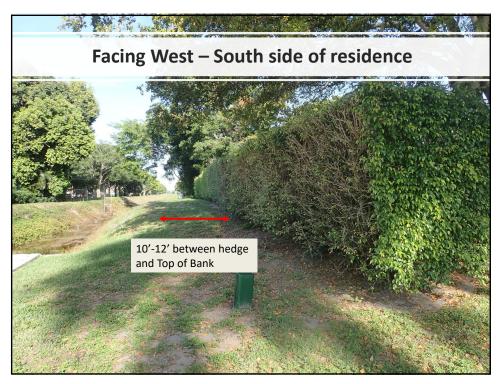
Conditions from Agreement 1) LAKE WORTH DRAINAGE DISTRAICH that convey by Quit-Claim Deed the property described in Exhibit Carda SMITHS; 2) The SMITHS shall convey an exclusive perpetual drainage easement to the DISTRICT over the property described in Exhibit "A"; 3) SMITHS agree to purchase the real estate described in Exhibit "A" for \$2,000.00 and upon the execution of this agreement and the transfer of the Quit-Claim Deed and Easement, SMITHS shall pay the DISTRICT \$2,000.00 in the form of a cashier's check payable to the LAKE WORTH DRAINAGE DISTRICT. . 4) SMITHS shall improve the subject parcel to include berming, overhang of roof and drainage from South side of roof by gutters to a dry well to the rear of the house and to the street in front no above ground drainage from roof across easement to the south, and either sodding or seeding of the subject parcel and shall maintain the premises as required by the DISTRICT.

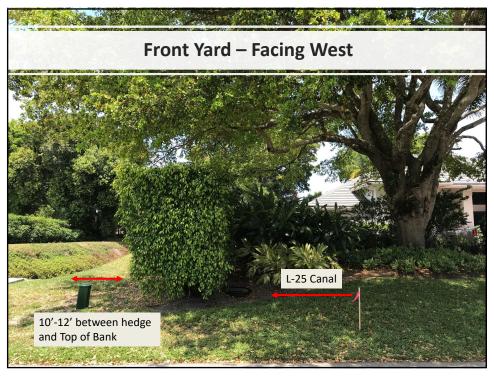
Background



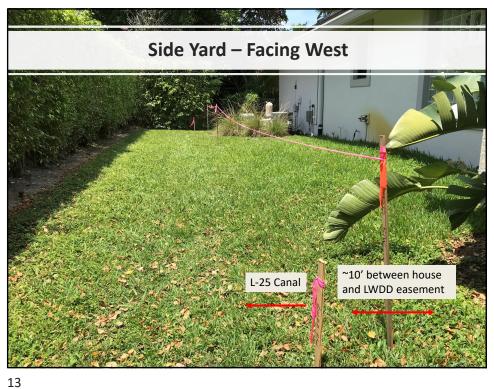
- April 2023 CCRP notification sent to homeowners
- May 2023 NOV sent to homeowner for encroachments
- May 2023 Homeowner signed a Hold Harmless for the removal of the Black Olive and Tree House
- May 2023 Variance application received requesting to keep hedge parallel to L-25 Canal
- June 6, 2023 Vegetation removal to begin

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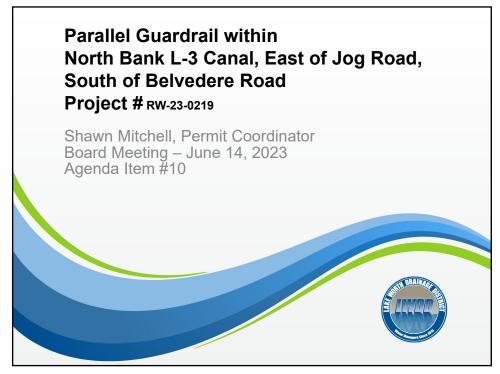


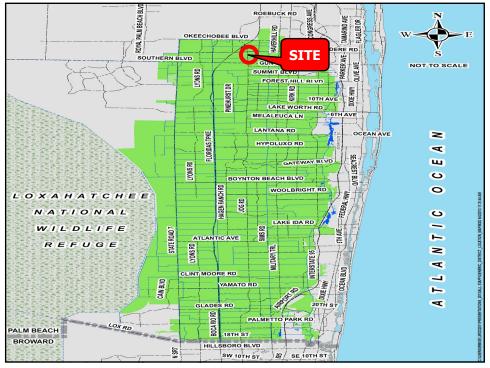


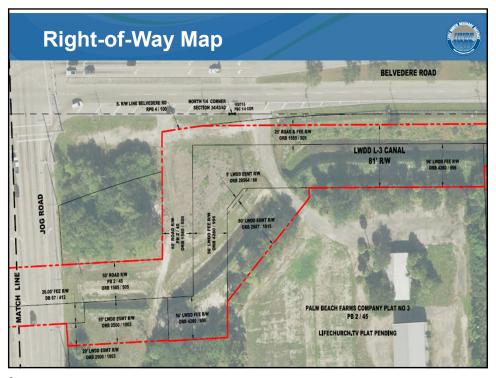
Staff Recommendation



- Denial of request for variance to permit landscaping within the L-25 Canal Right-of-Way
- Approval to issue a Right-of-Way Permit to Mr. Hansen for underground facilities within the L-25 Canal Right-of-Way belonging to Mr. Hansen (not public utilities)
- Subject to:
 - All landscaping to be removed within 90 days
 - An exhibit reflecting the underground facilities within the L-25 canal Right-of-Way
 - Proof of Liability Insurance (\$300,000 Min.) listing LWDD as a Certificate Holder
- Permit Fees:
 - Application Fee \$50.00 (Reduced per Board)
 - Use Fee Waived; Existing Encroachments
 - Annual Fee \$50.00 (Reduced per Board); Adjusted every Five (5) years by the Compounded CPI







Background



- The permittee, Life Covenant Church Inc, applying for a variance to install approximately 68 L.F of parallel guardrail within the northern right-of-way of L-3 Canal
- On April 26, 2017, LWDD issued Drainage Connection Permit under 16-9729D.02 and Culvert Crossing Permit under 16-9729C.04 to Life Covenant Church Inc (property on south side of L-3 ROW)
- On October 19, 2018, WGI (permittee consultant) inquired about permit extensions
- On October 23, 2018, LWDD responded to applicant and asked if there were any changes to the design that was previously permitted and if no changes to the original approved plans, the permit can be extended
- Original approved plans reflected parallel guardrail north of the L-3 ROW
- Between February 01, 2019- April 08, 2022, LWDD issued three permit extensions

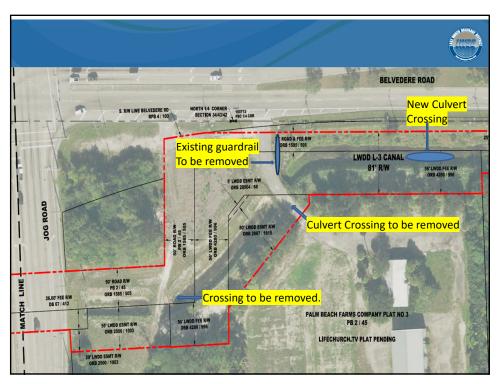
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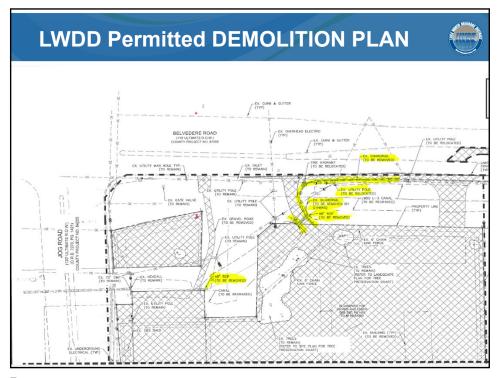
Background, cont.

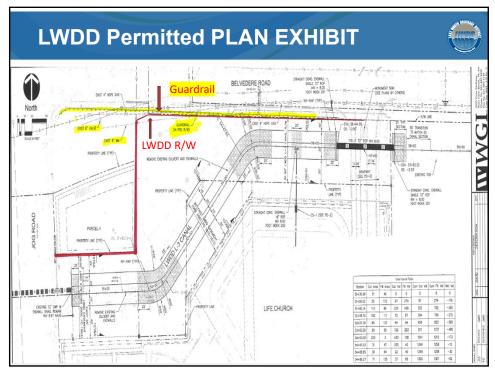


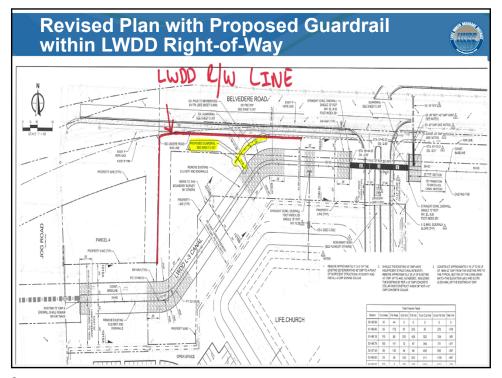
- Permittee received another design approval from Palm Beach County in 2018; LWDD was not made aware of the changes
- On February 22, 2023, permittee submitted plans to LWDD to modify the driveway profile over the culvert
- LWDD staff reviewed the plans and observed that the revised plans included parallel guardrail installation within LWDD right-of-way; staff denied encroachment according to LWDD policy
- Permittee requesting board approval for variance to install guardrail within right-of-way
- Staff has recommended using other FDOT guardrail standards that allow for guardrail installations over existing underground utilities

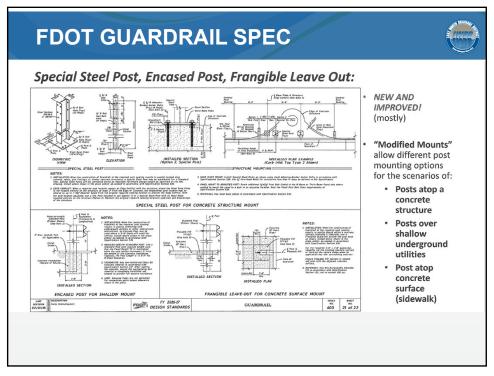
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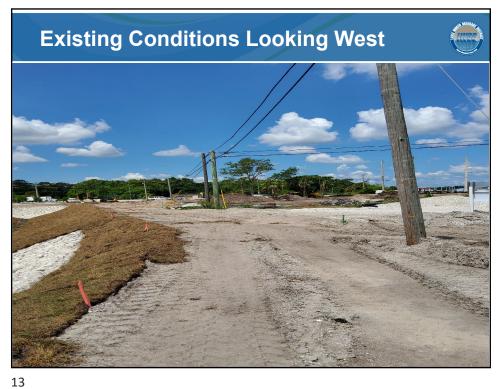










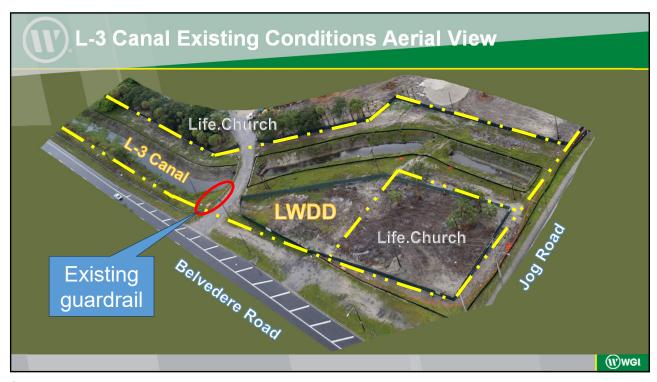




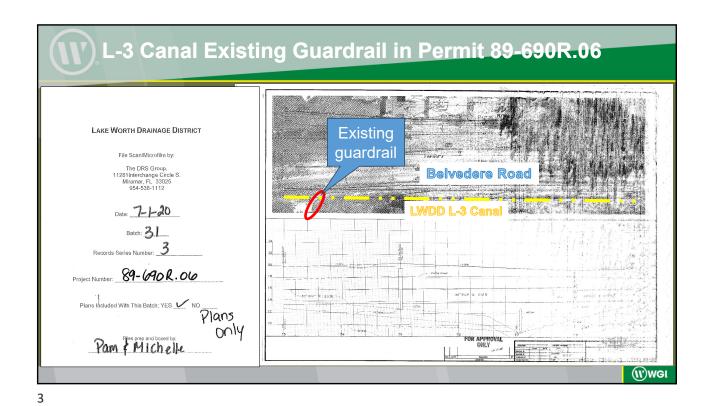
Staff Recommendation



 Denial of request for placement of parallel guardrail within the north right-of-way of the L-3 Canal







LAKE WORTH DRAINAGE DISTRICT

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Batch 31.
Records Series Number:

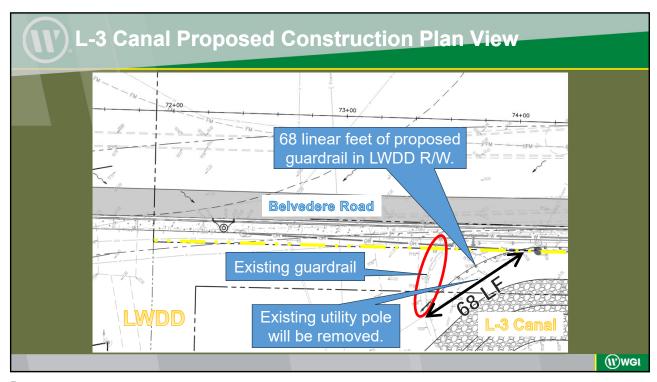
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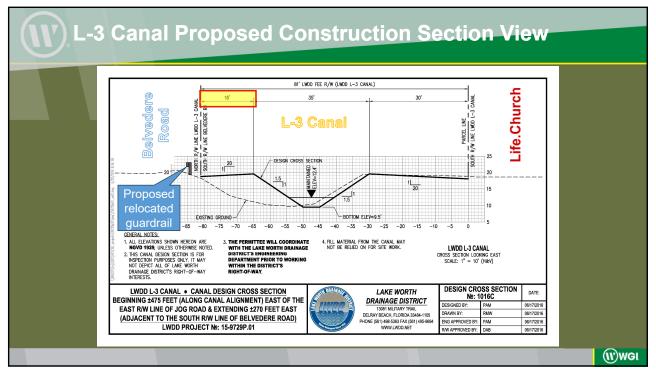
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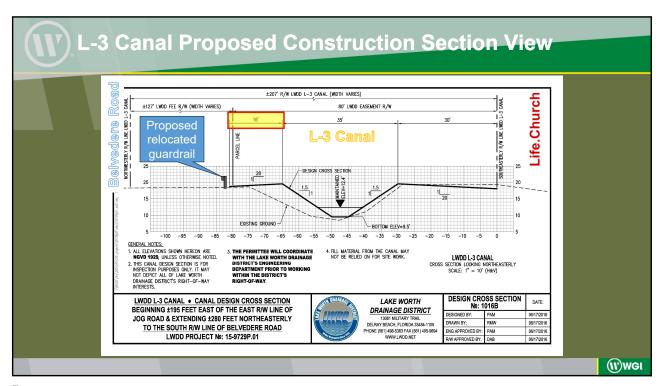
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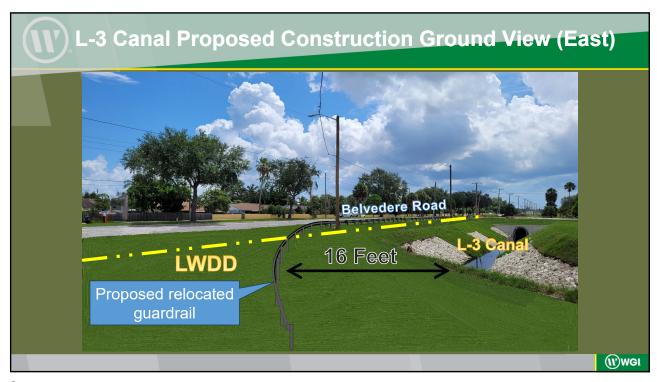
(1) West



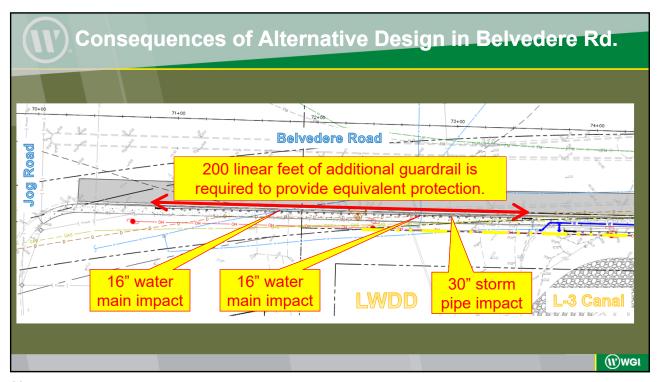


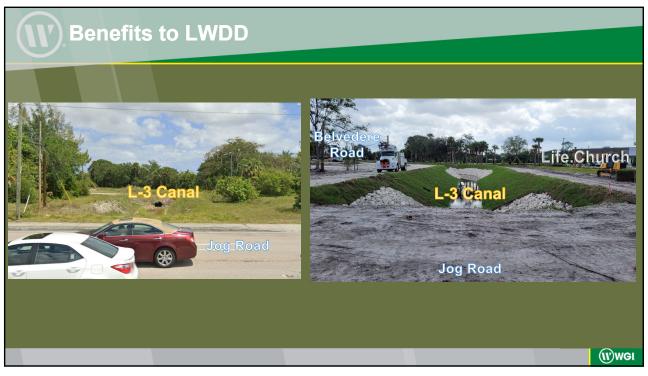




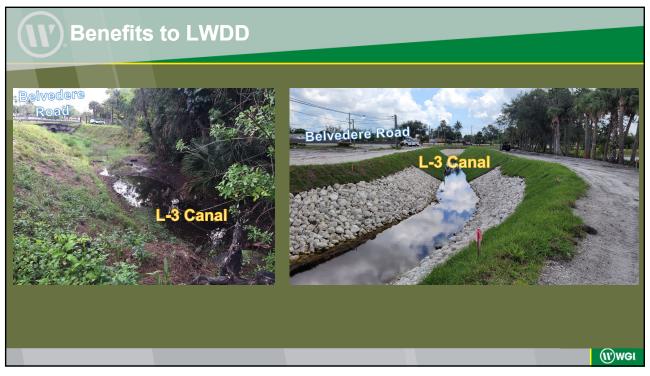






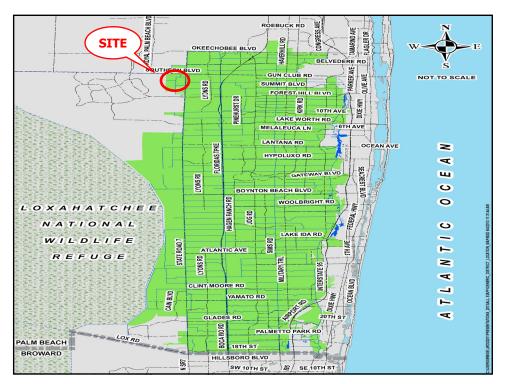












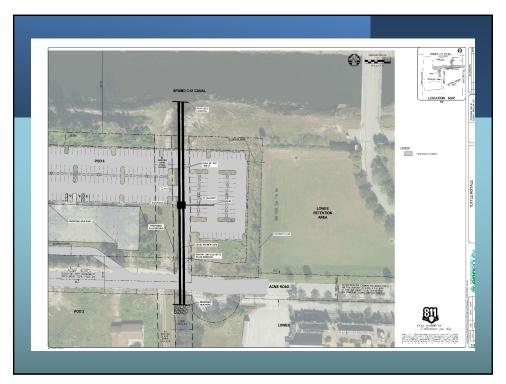
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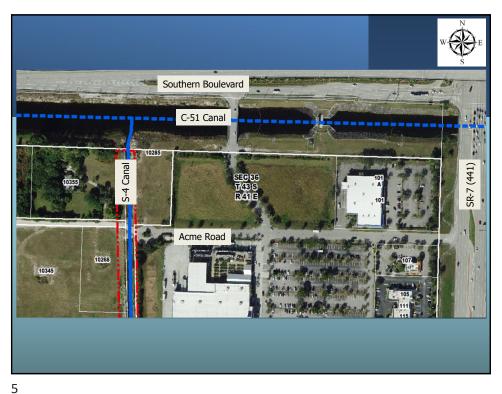


Parcel located south of Southern Boulevard and west of SR-7 (441); South side of the C-51 Canal

- October 2016 Keith Jackson, Engenuity, on behalf of NEM, LLC, met with LWDD regarding the concept of piping the north portion of the S-4 Canal with dual 60" RCP (will match the culverts installed for Acme Road and Erica Blvd)
 - Applicant will install dual 60" culverts within the C-51 Canal Rightof-Way for SFWMD in order to provide SFWMD east-west access along the south side of the C-51 Canal
- January 2019 Staff met with Engenuity to further discuss the piping and preliminary idea
 - Consultants prepared site and engineering plans based on comments from meeting
- April 2023 Application received for approval to pipe the north portion of the S-4 Canal

3







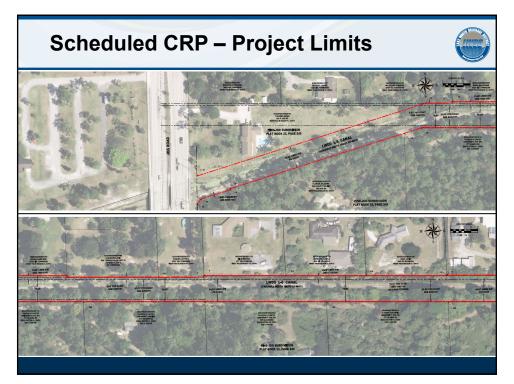


Staff Recommendation



- Approval to issue a Right-of-Way Permit to NEM, LLC, for the Piping of the S-4 Canal from the south side of Acme Road north to the north right-of-way of the S-4 Canal, being the south right-ofway of the C-51 Canal.
- Subject to:
 - Certificate of Liability Insurance, minimum coverage of \$1,000,000.00 and listing LWDD as An Additional Insured (Requested)
 - LWDD Operating Policies
- Application Fee
 - \$9.00 x 390 LF = \$3,510.00 (Requested)
- Use Fee
 - \$20.00 x 390 LF = \$7,800.00 (Requested)
- Annual Fee
 - \$4.00 x 390 LF = \$1,560.00
 - Adjusted every five (5) years by the compounded CPI





Scheduled CRP – Project Limits



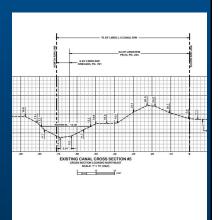


3

Project Considerations



- The L-5 Canal acts as a critical lateral connecting Control Structure #4 and the E-2 canal with the Control Structure #6 and the E-3 canal
- Recent survey of the L-5 Canal, indicates that significant portions of the canal will need to be reconstructed to the south
- The existing berm will need to be removed to provide adequate maintenance area and to provide some of the required fill



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Project Considerations



- The area is a Preserved Natural Area maintained by FAU
- The area is a known habitat for Gopher Tortoises and currently sustains an existing population
- A recent survey indicates that there are potentially 6 active burrows and one abandoned burrow
- Estimated \$10k for permit and excavation, plus an additional \$4-\$10k per Tortoise to relocate them, depending on recipient site availability
 - Potential reduction if Tortoises can be relocated on Pine Jog property
- Fencing would serve both to protect the Tortoises from entering the ROW, and significantly reduce the need for any future relocation



Tentative CRP Schedule



- February 2023 Staked right-of-way; met with Pine Jog Environmental Center to discuss upcoming CRP project
- April 2023 Ordered Cross Sections Survey to develop realignment plan
- May 2023 Ordered Environmental Survey to detect the presence of Gopher Tortoises, Burrowing Owls and other protected species
- November 2023 Public Notices to adjacent property owners
 & public meeting for residents & stakeholders
- Jan. 2024 Solicit Bids from Prequalified Contractors
- Jan. 2024 Vegetation Removal begins
- March 2024 Berm Removal & Canal Realignment begins

7

Recommendation



- Authorize purchase and installation of a parallel chain link fence adjacent to Pine Jog Environmental Education Center adjacent to the L-5 Canal subject to:
 - Pine Jog Environmental Center to pay the increased cost to raise the fence height to 6 ft to 8ft, if requested
 - Ownership and perpetual maintenance of the fence responsibility of Pine Jog Environmental Center

9





Consider Investing Operating Funds

 At the May 17th Board Meeting, the Board suggested we consider investing some of our surplus operating funds in order to take advantage of the current rates of return that are being offered

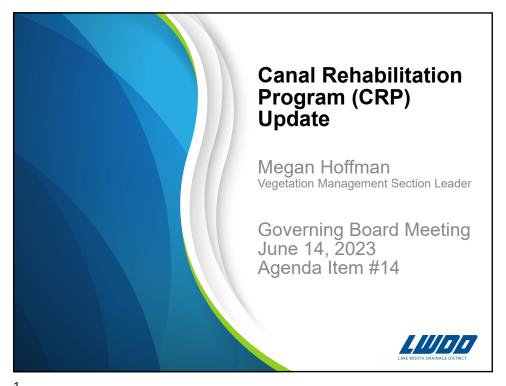


Proposed Policy Revision

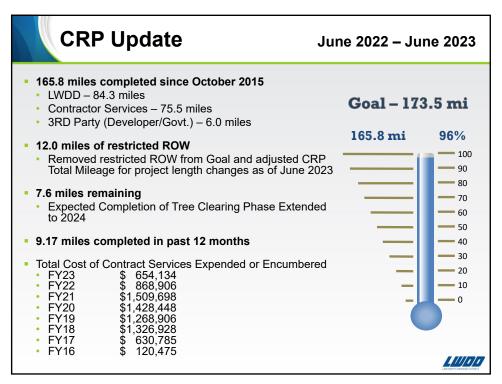
- Approval to revise Investment Policy to allow for the investment of operating funds in any Local Government Investment Pools (LGIP's) which includes FL PALM up to 75% of the total portfolio
- Approval to invest operating funds in excess of \$4 million in FL PALM within the Liquid Fund and/or the Term Fund depending on the current rates of return

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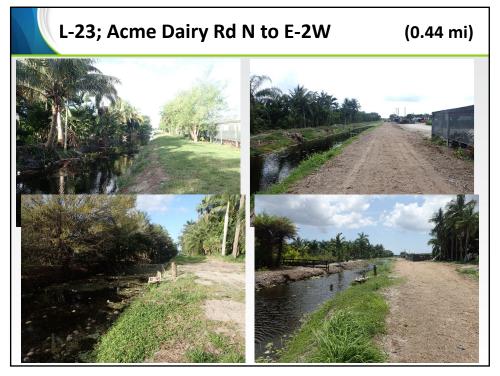
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Canal Segment	Project #	Distance	LWDD/Contractor	Clearing Status	Cost
L-25; Military Trail to Lawrence Rd	16-9955P.03	1.06 mi	Contractor / Survey	In Progress	\$158,500 / \$20,028
S-8; Heritage Farms Rd to SR-7	16-9946P.01	0.56 mi	Contractor / Survey	In Progress	\$108,550 / \$7,770
L-29; Military Trail to Barwick Rd	16-9957P.04	0.50 mi	LWDD / Survey	In Progress	- /\$23,742
L-21; E-1 to Lyons Rd & L-23; Acme Dairy Rd N to E-2W	16-9950P.01 & 16-9953P.02	1.44 mi	Contractor / Survey	Complete	\$247,400 /\$33,735
L-29; ~500ft west of Jog & El Clair Ranch Rd to E-3	16-9957P.03	0.58 mi	Contractor/Survey	Complete	\$79,000 / \$20,392
L-19 & L-21; Jog Rd to E-3	16-9948P.01 & 22-9950P.06	2.17 mi	Contractor/Survey	Complete	\$120,000 /\$31,900
L-16; ~650ft east of Lyons Rd to E-2W	16-9945P.01	0.80 mi	Contractor/Survey	Complete	\$119,450 /\$8,385
L-22; E-2E to Hagen Ranch & Jamaica Bay to Lawrence	16-9951P.01/.02	1.45 mi	Contractor/Survey	Complete	\$52,060.80/ \$23,935
Horticultural Waste Disposal Site (Mulching Only)	21-9735L.04	N/A	Contractor	Complete	\$ 98,000

Canal Segment	Project #	Distance	LWDD/Contractor	Clearing Status	Cost
-27; Country Rd W to Congress Ave & L-28; Dunes d to E-4	16-9956P.01 & 16- 8957P.05 & P.06	2.80 mi	Contractor / Survey	Scheduled to Begin Mid-June	- /\$53,105
-2W; L-35 to Atlantic Ave	16-9931P.04	0.50 mi	LWDD / Survey	Board Postponed to Mid-September	- /\$12,305
-34; West of Lakes of Delray Blvd to E-3	16-9539P.05	0.50 mi	Contractor / Survey	Coordinating with HOA & FPL	- /\$8,368
-24; Congress Ave to E-4	16-9954P.02	0.34 mi	Contractor / Survey	ROW Under Review	- /\$21,710
-45; Golf Course Rd to E-2W	16-9974P.02	0.43 mi	Contractor / Survey	Coordinating with GL Homes	- /\$4,048
-5; Jog Rd to Fergusson Lane	16-9837P.01	0.52 mi	Contractor / Survey	Coordinating with Pine Jog	- /\$15,105





Articulated Off Road Dump Purchase vs. Lease vs. Rental



Purchase

- \$383,000 to \$476,163 for 25 to 26.5 Ton (\$337,272 for Bell 20 Ton)
 - Note 2023 Pricing, subject to change

Lease Option

- 5Yr Lease
 - Total \$592,450 with Buy Out; \$472,120 without
- 3Yr Lease
 - Total \$543,479 to With Buy Out; \$377,649 without
- Assuming projected 8yr/ min \$8,000hrs Average Useful Life
 - => \$947,920 to \$1,449,277 With Buy Out
 - =>\$755,392 to \$1,007,064 without

Rental Option

- \$9,000 to \$12,100 per month
- Assuming projected 8yr/ min \$8,000hrs Average Useful Life
 - => \$864,000 to \$1,161,600

Resale

20-30 Ton units / ave 7yr old / 4,000 to 8,000 hrs => ~140,000 to ~180,000