

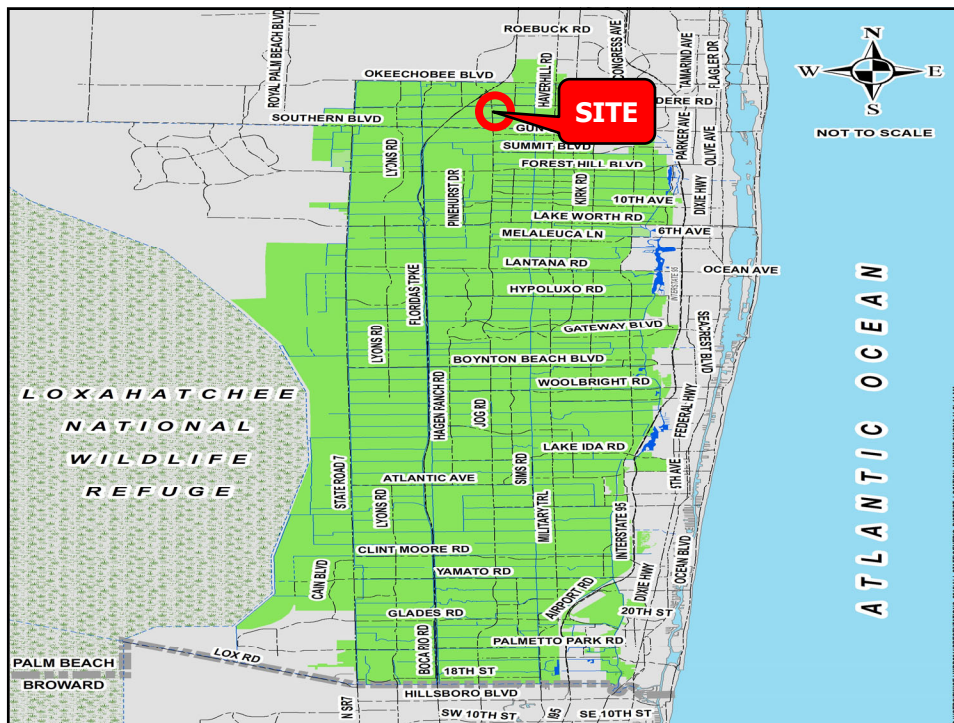
Lake Worth Drainage District  
 Governing Board Meeting  
 July 12, 2023  
 FINAL Meeting Materials

**Parallel Guardrail within  
 North Bank L-3 Canal, East of Jog Road,  
 South of Belvedere Road  
 Project # RW-23-0219**

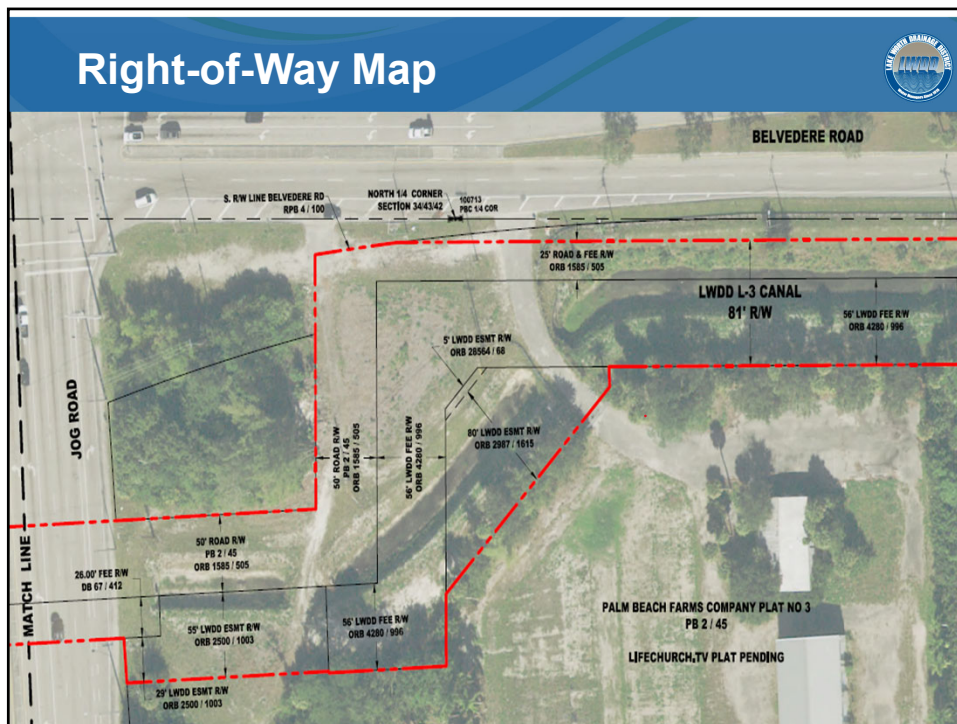
Shawn Mitchell, Permit Coordinator  
 Board Meeting – July 12, 2023  
 Agenda Item # 7



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## Background

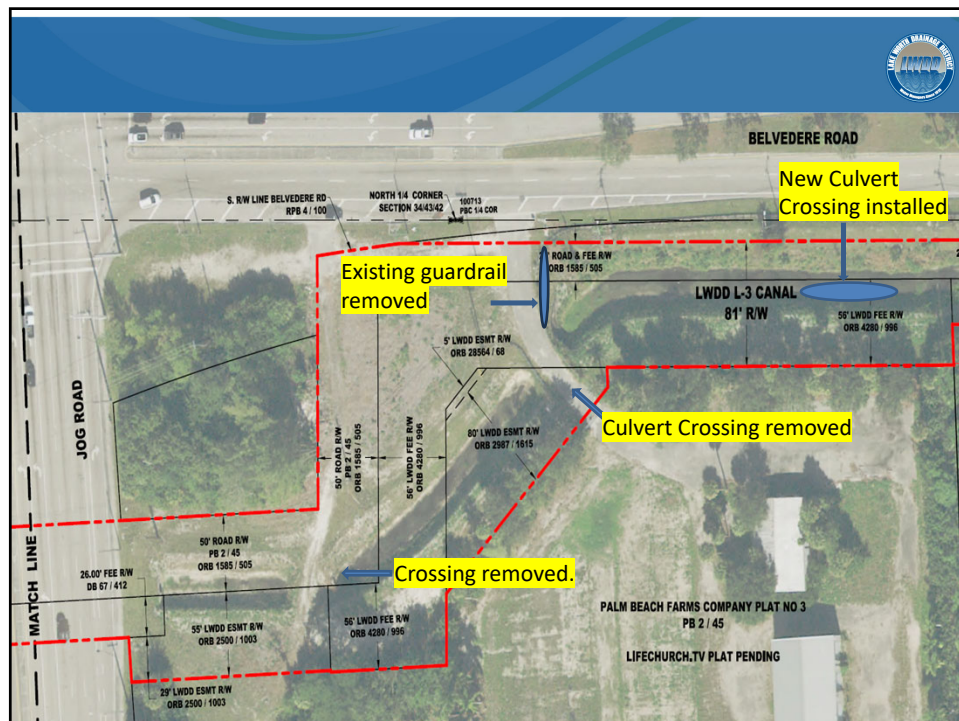
- The permittee, Life Covenant Church Inc, applying for a variance to install approximately 68 L.F of parallel guardrail within the northern right-of-way of L-3 Canal
- On April 26, 2017, LWDD issued Drainage Connection Permit under 16-9729D.02 and Culvert Crossing Permit under 16-9729C.04 to Life Covenant 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

4

## 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
- LWDD's design section within this area does not meet FDOT definition of a canal Hazard

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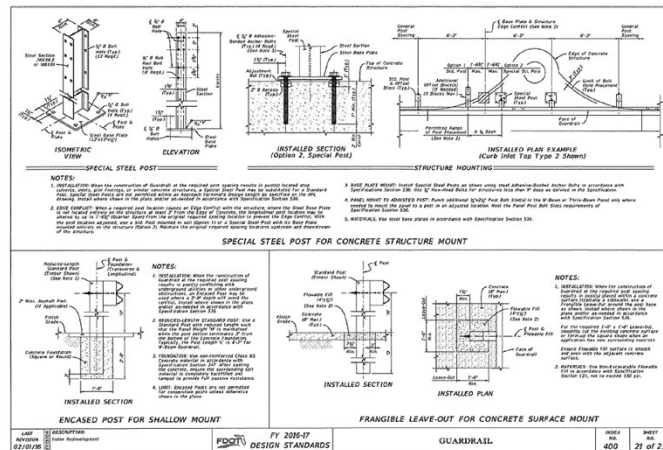




# FDOT GUARDRAIL SPEC



## Special Steel Post, Encased Post, Frangible Leave Out:



- **NEW AND IMPROVED!** (mostly)
- “Modified Mounts” allow different post mounting options for the scenarios of:
  - Posts atop a concrete structure
  - Posts over shallow underground utilities
  - Post atop concrete surface (sidewalk)

11

## Looking East Culvert and Guardrail Removed



12



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## Looking West



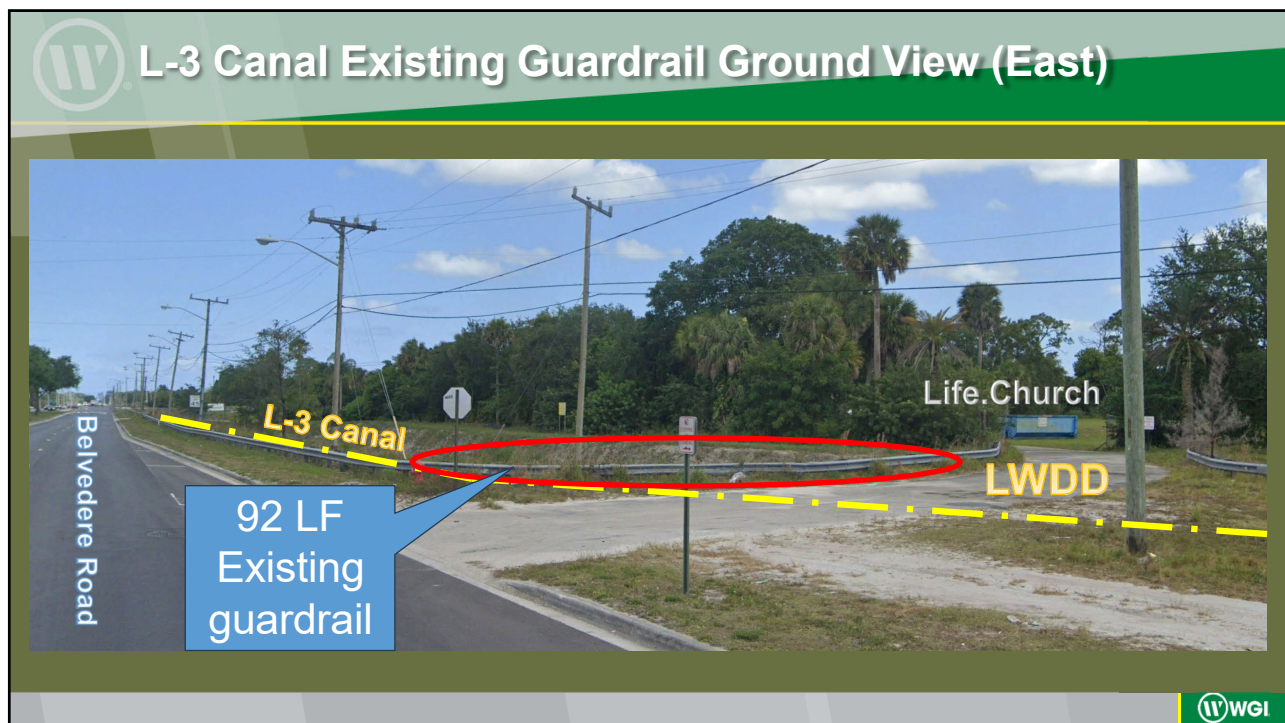
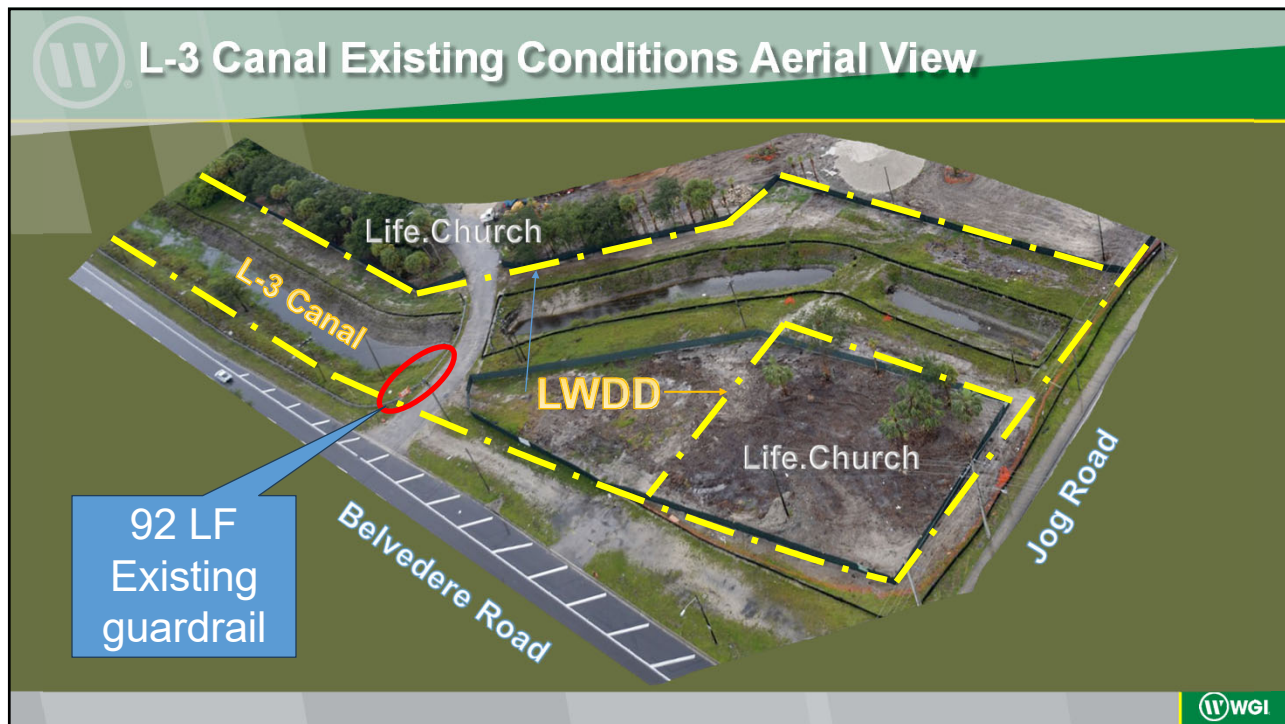
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## Staff Recommendation



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

16



## L-3 Canal Existing Guardrail in Permit 89-690R.06

**LAKE WORTH DRAINAGE DISTRICT**

File Scan/Microfilm by:  
The DRS Group,  
11281 Interchange Circle S.  
Miramar, FL 33025  
954-538-1112

Date: 7-1-20

Batch: 31

Records Series Number: 3

Project Number: 89-690R.06

Plans Included With This Batch: YES ☒ NO ☐ *Plans only*

Files prep and boxed by:  
Pam & Michelle

3

## L-3 Canal Existing Guardrail in Permit 89-690R.06

**LAKE WORTH DRAINAGE DISTRICT**

File Scan/Microfilm by:  
The DRS Group,  
11281 Interchange Circle S.  
Miramar, FL 33025  
954-538-1112

Date: 7-1-20

Batch: 31

Records Series Number: 3

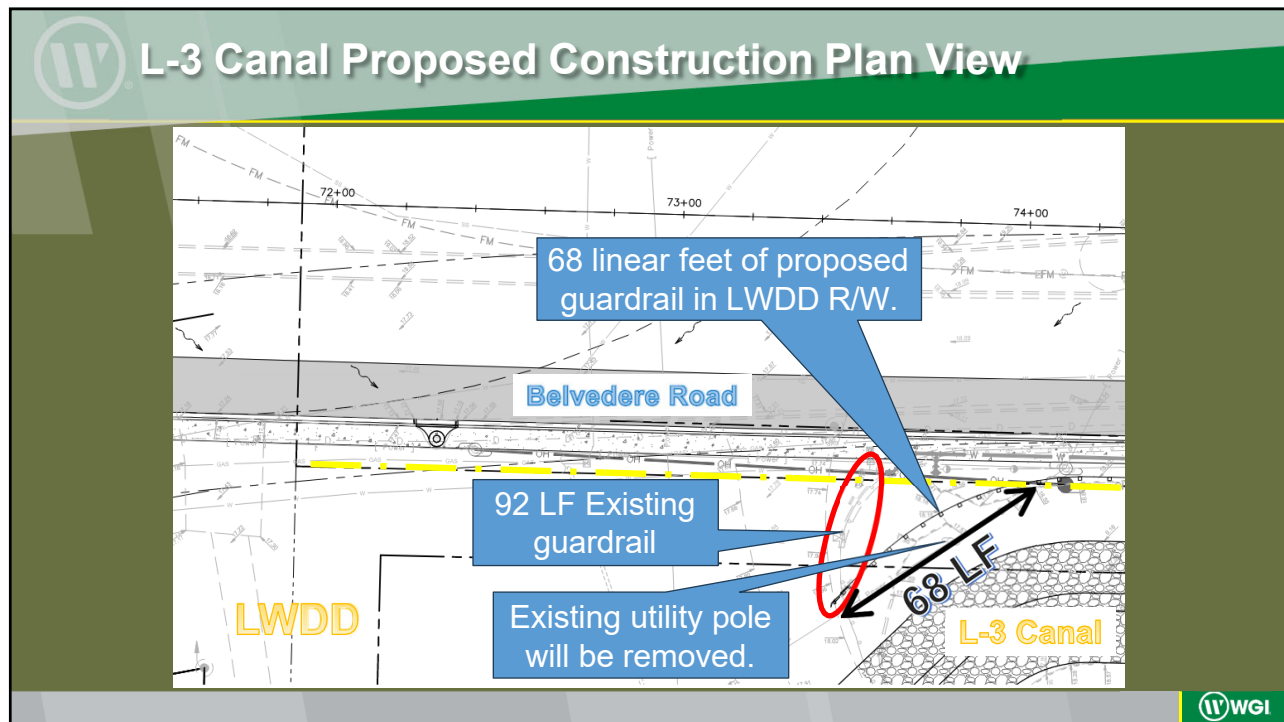
Project Number: 89-690R.06

Plans Included With This Batch: YES ☒ NO ☐ *Plans only*

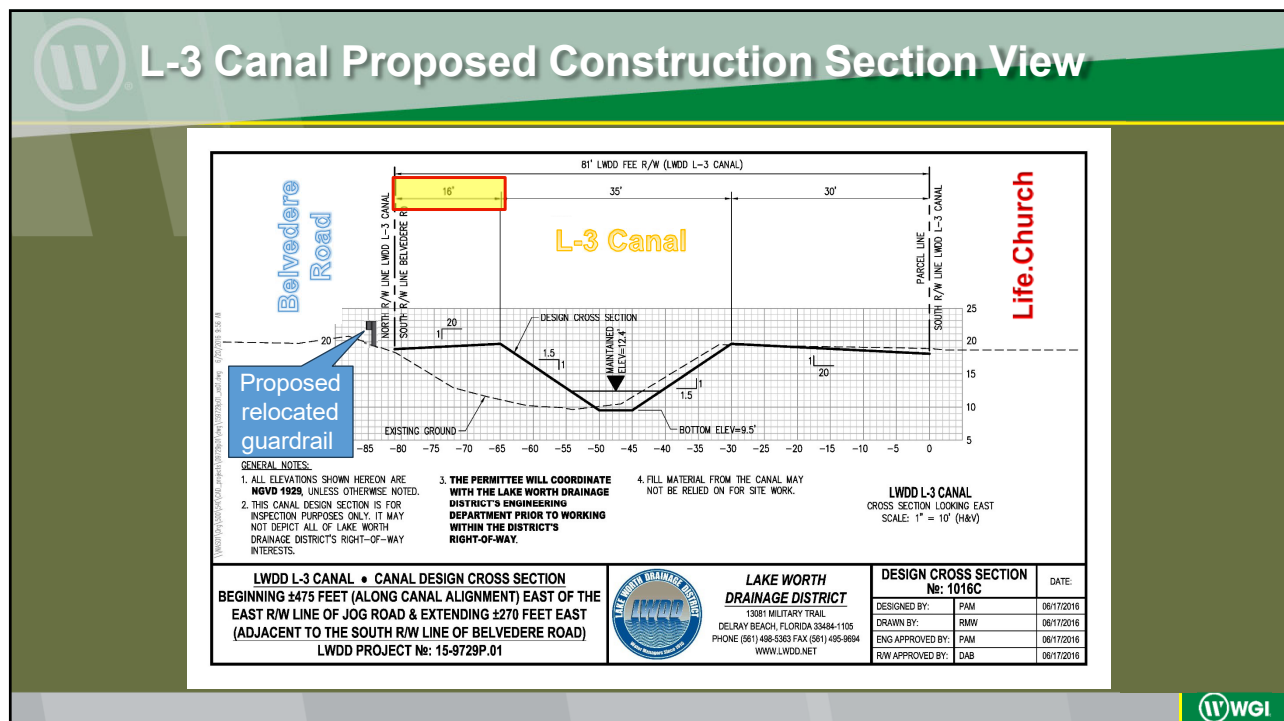
Files prep and boxed by:  
Pam & Michelle

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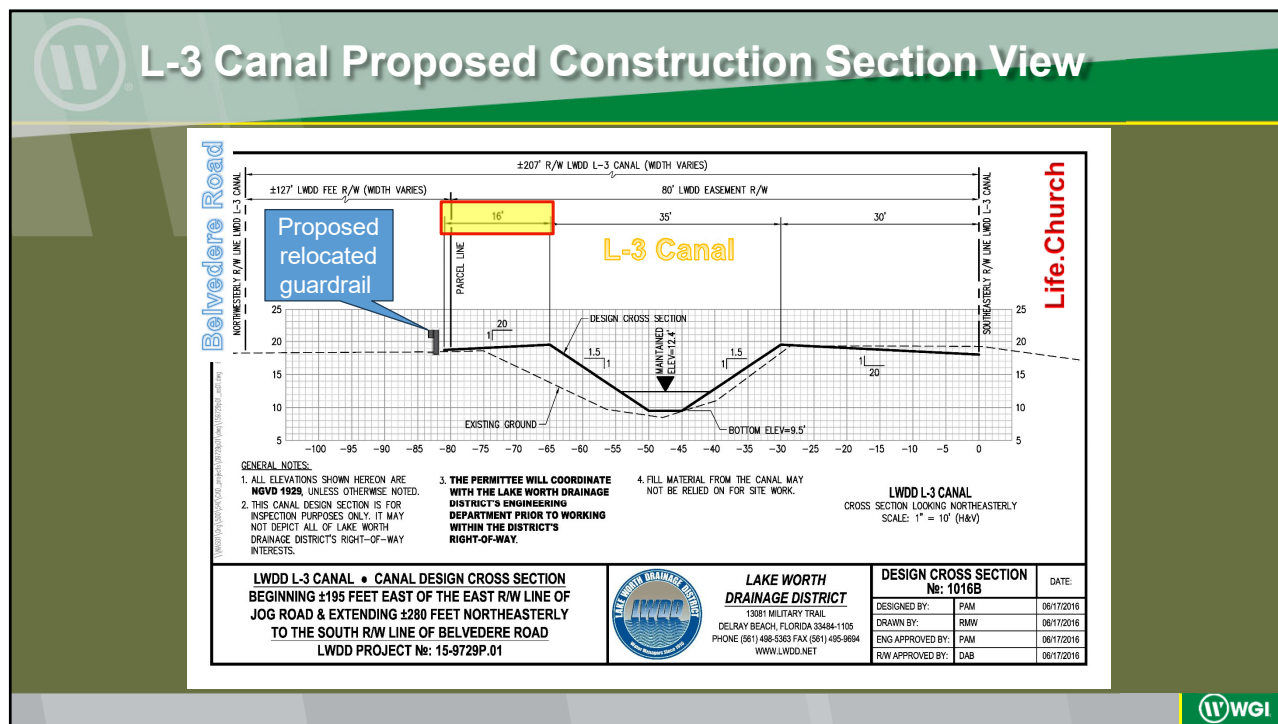


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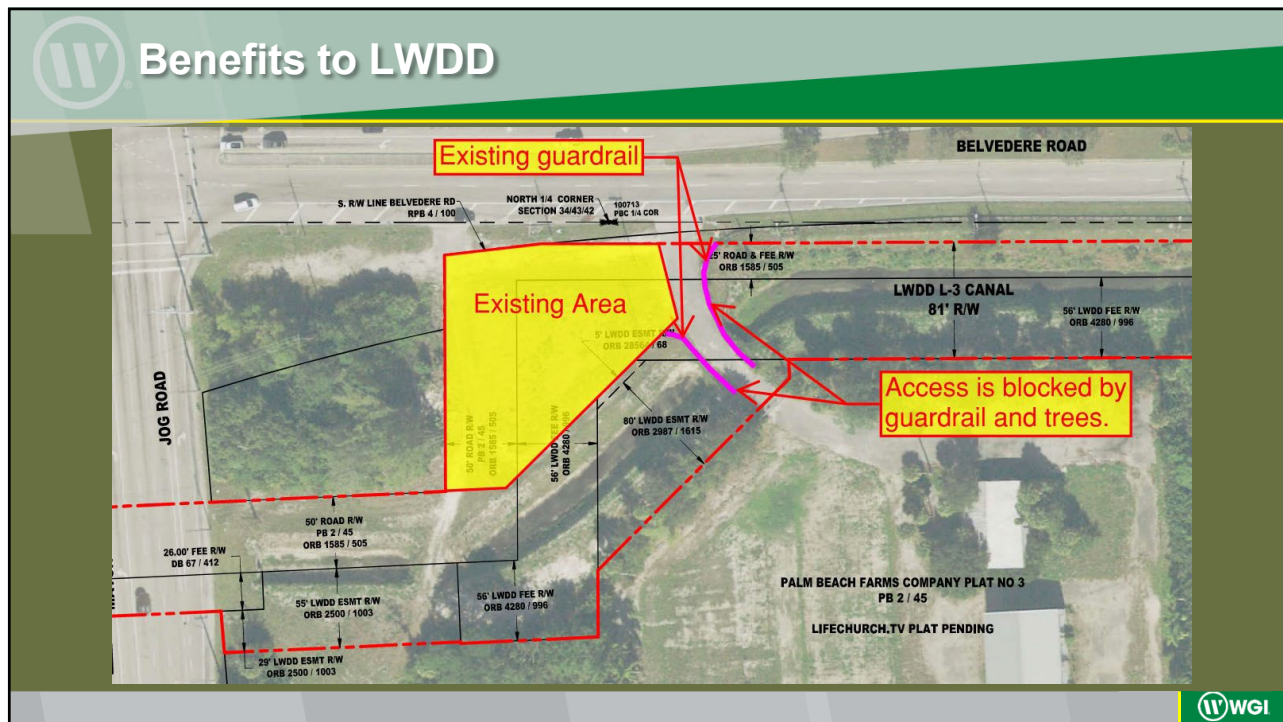


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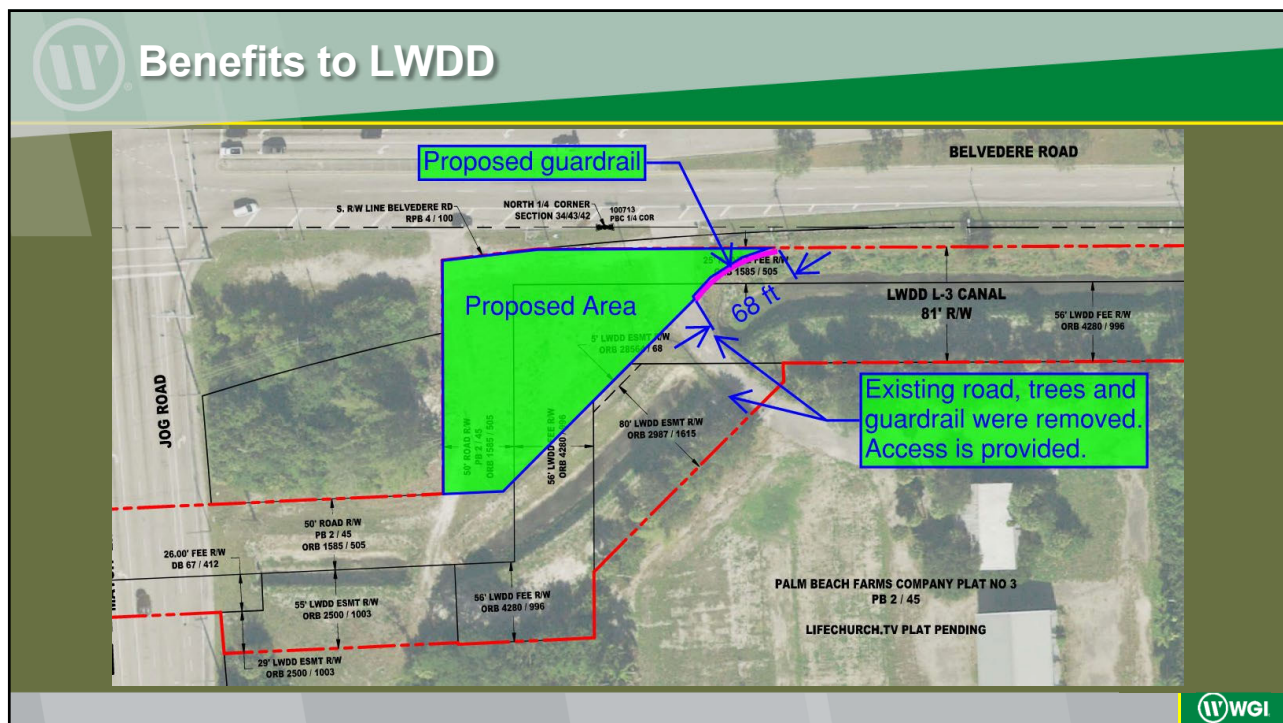


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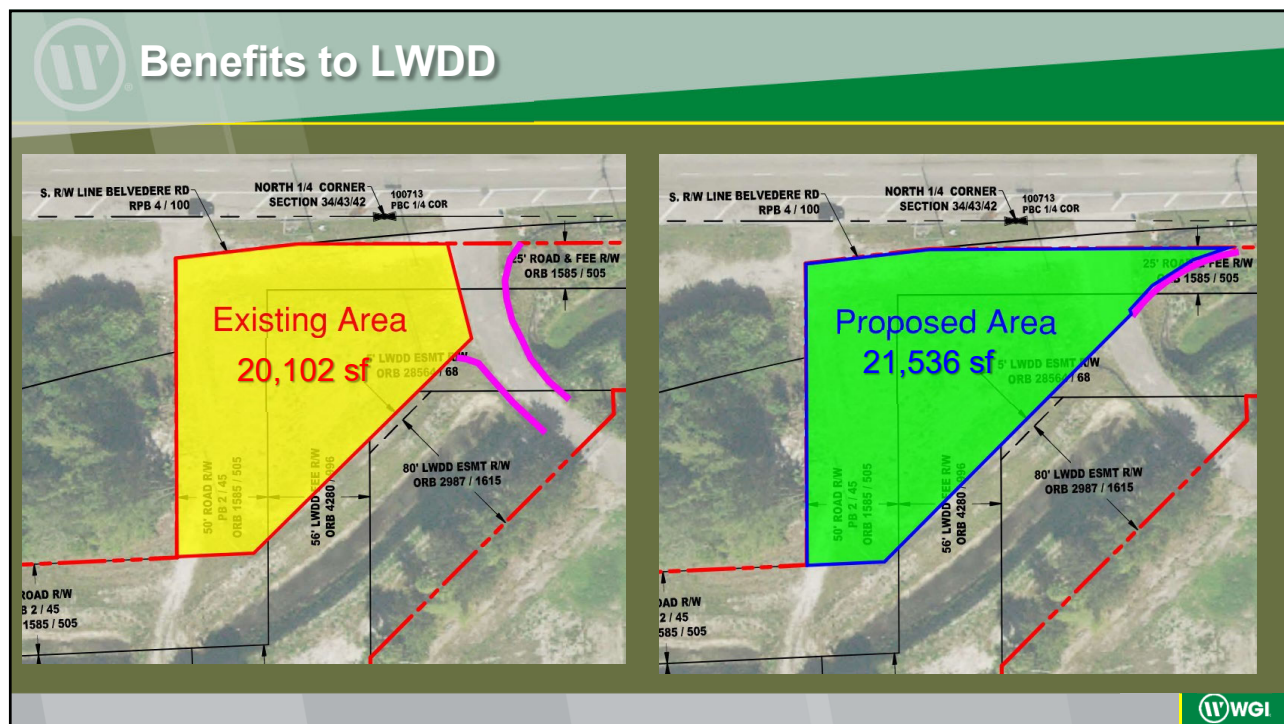
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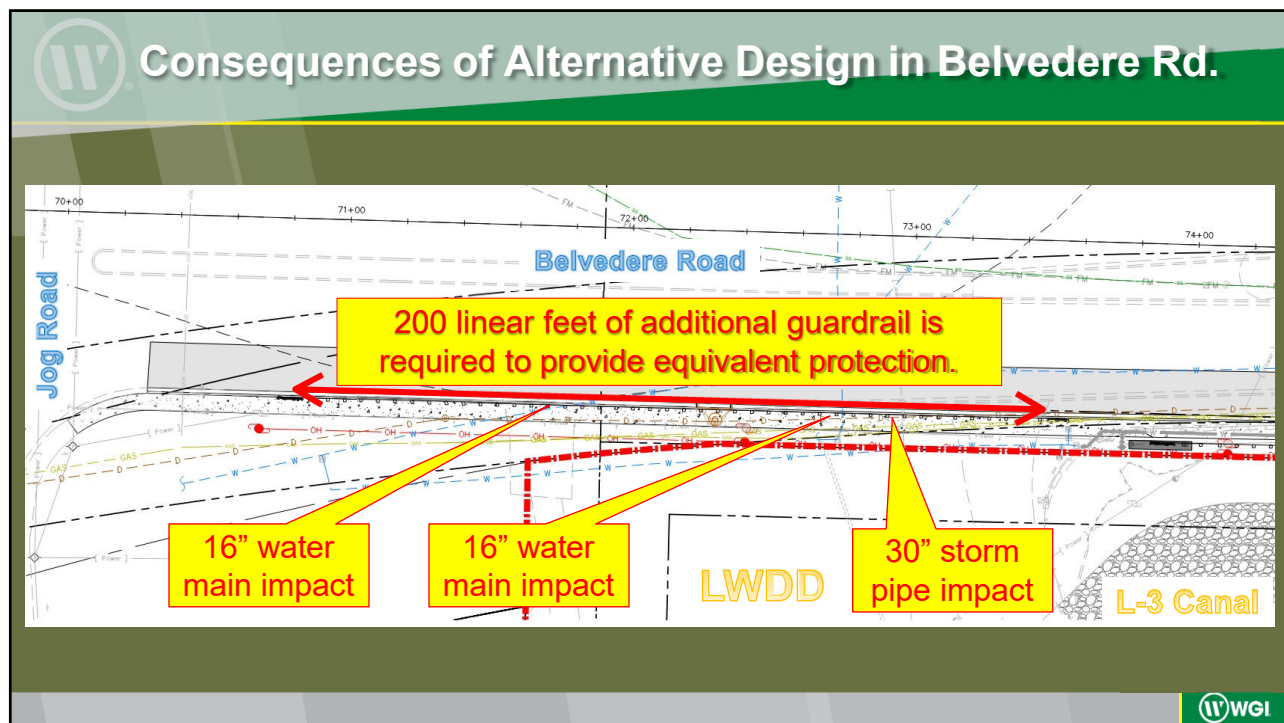
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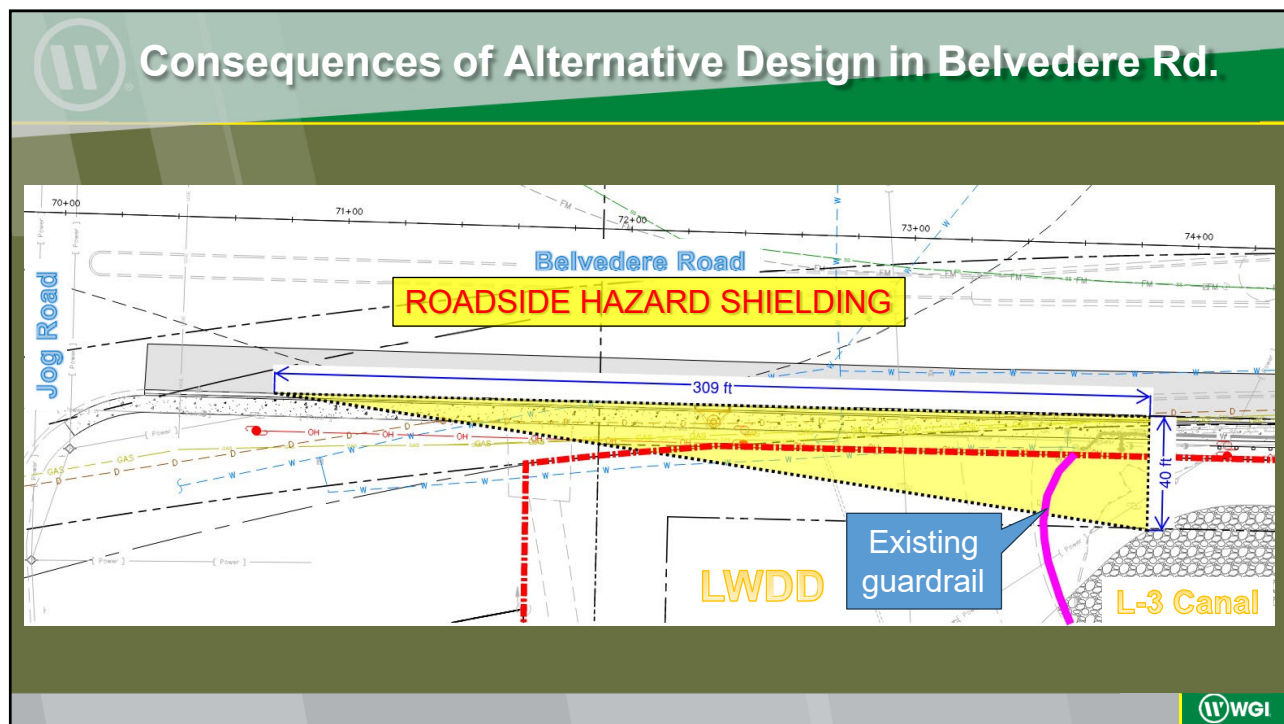
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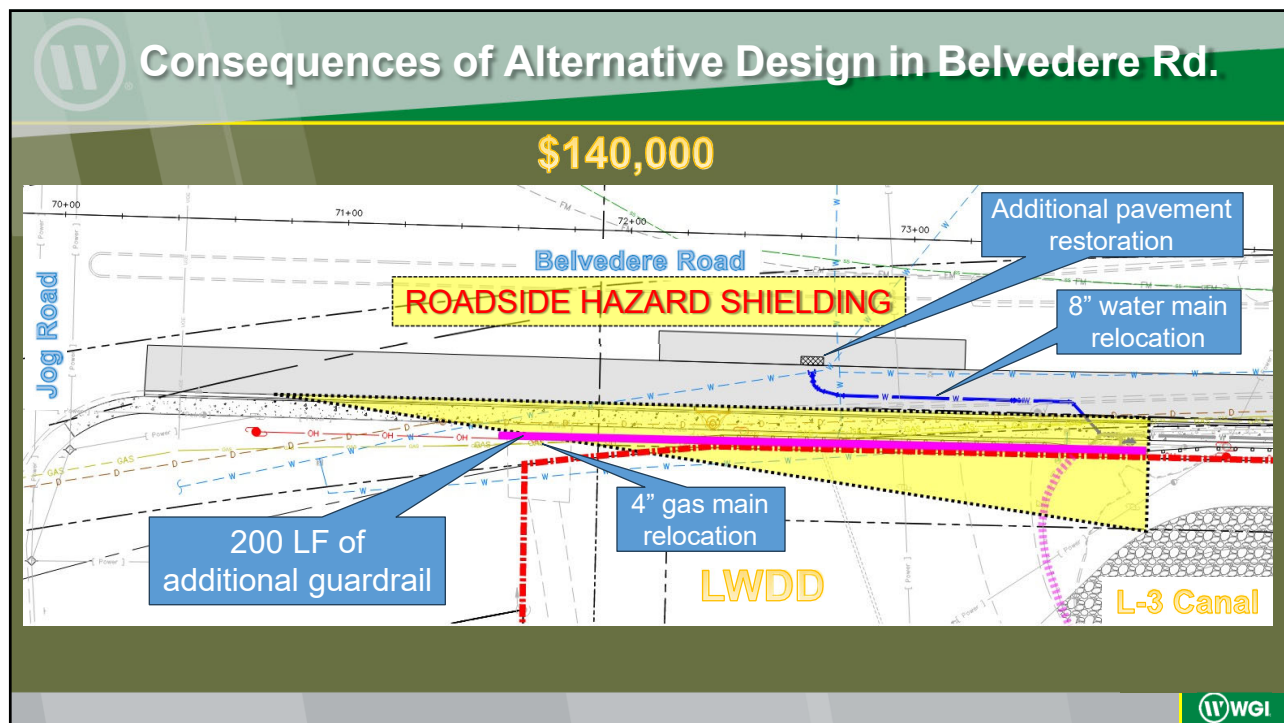
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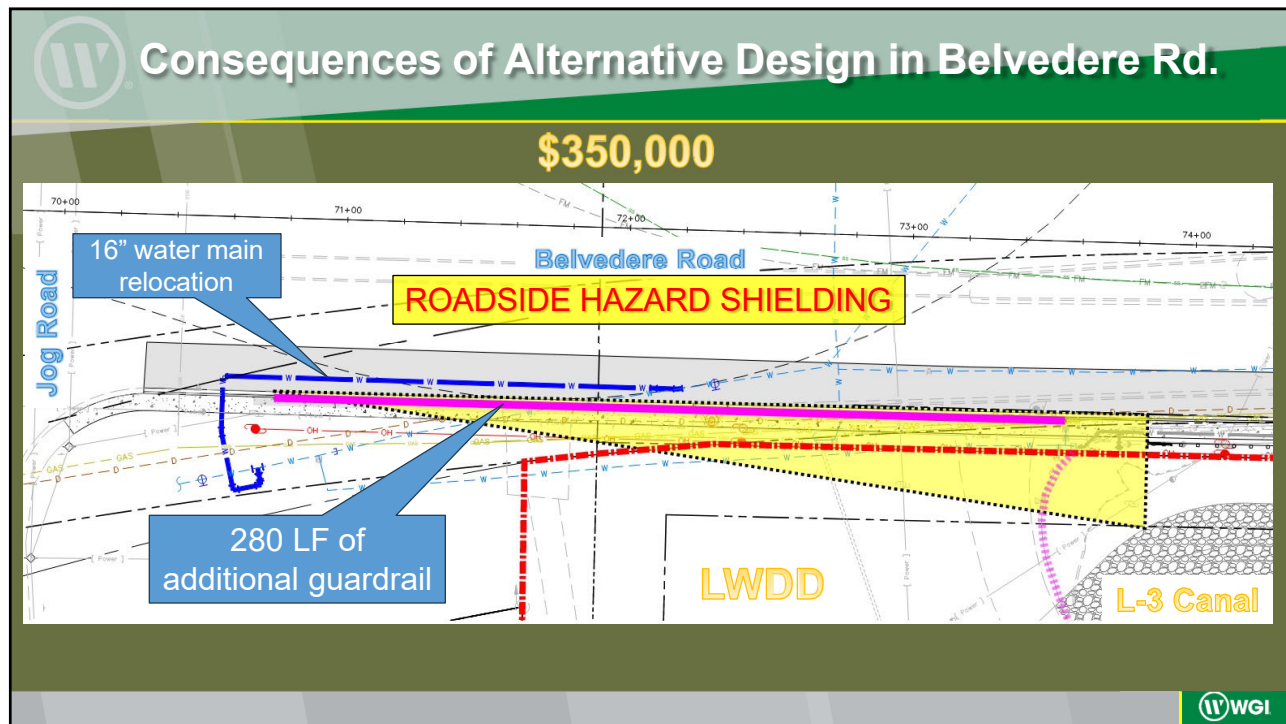
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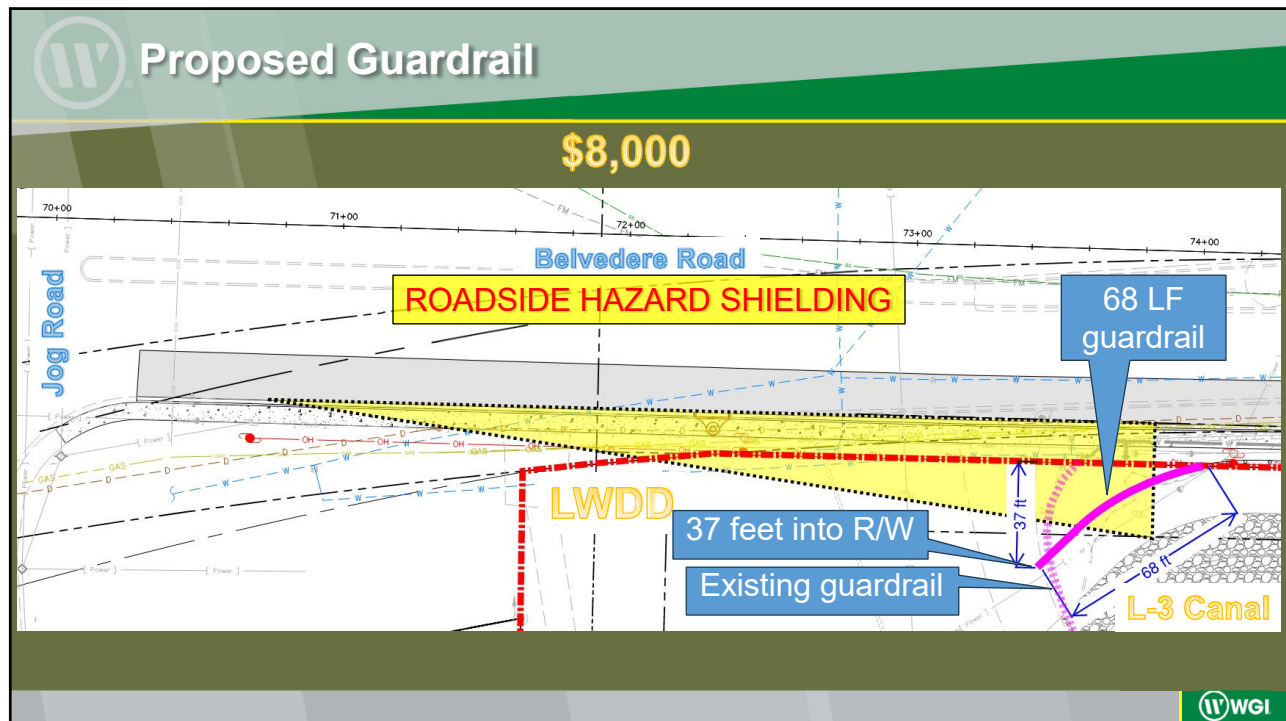
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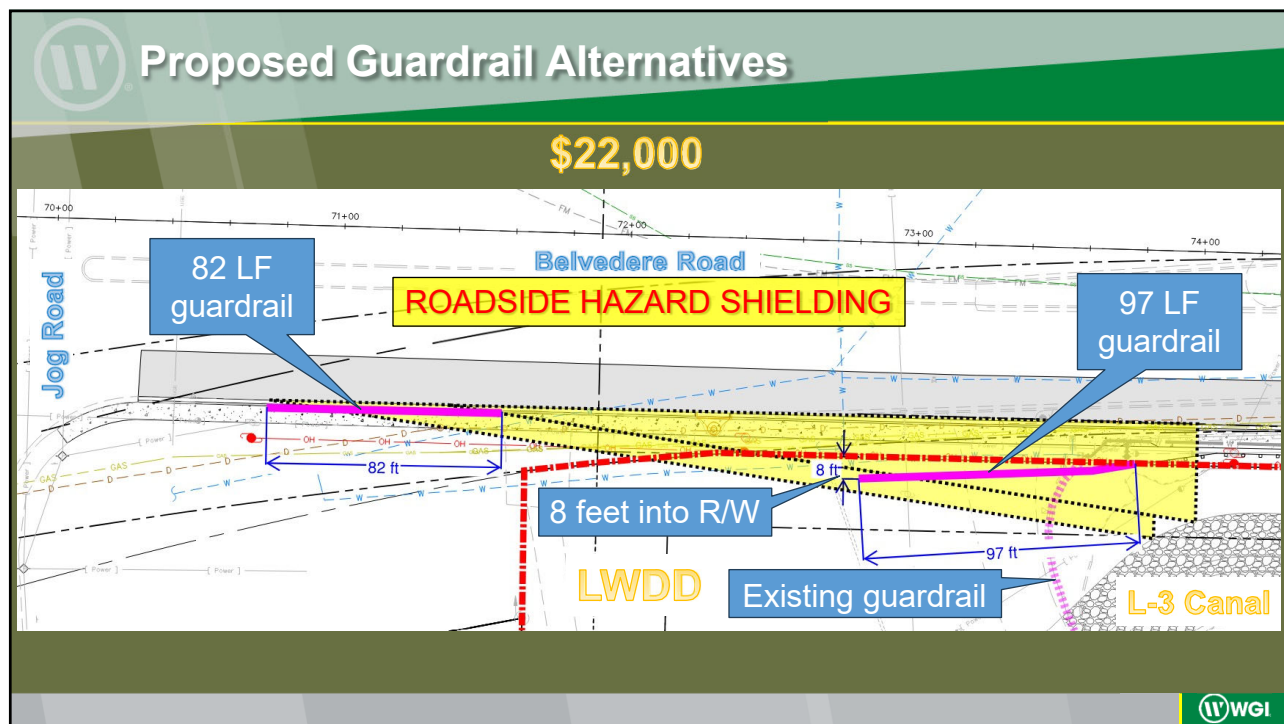


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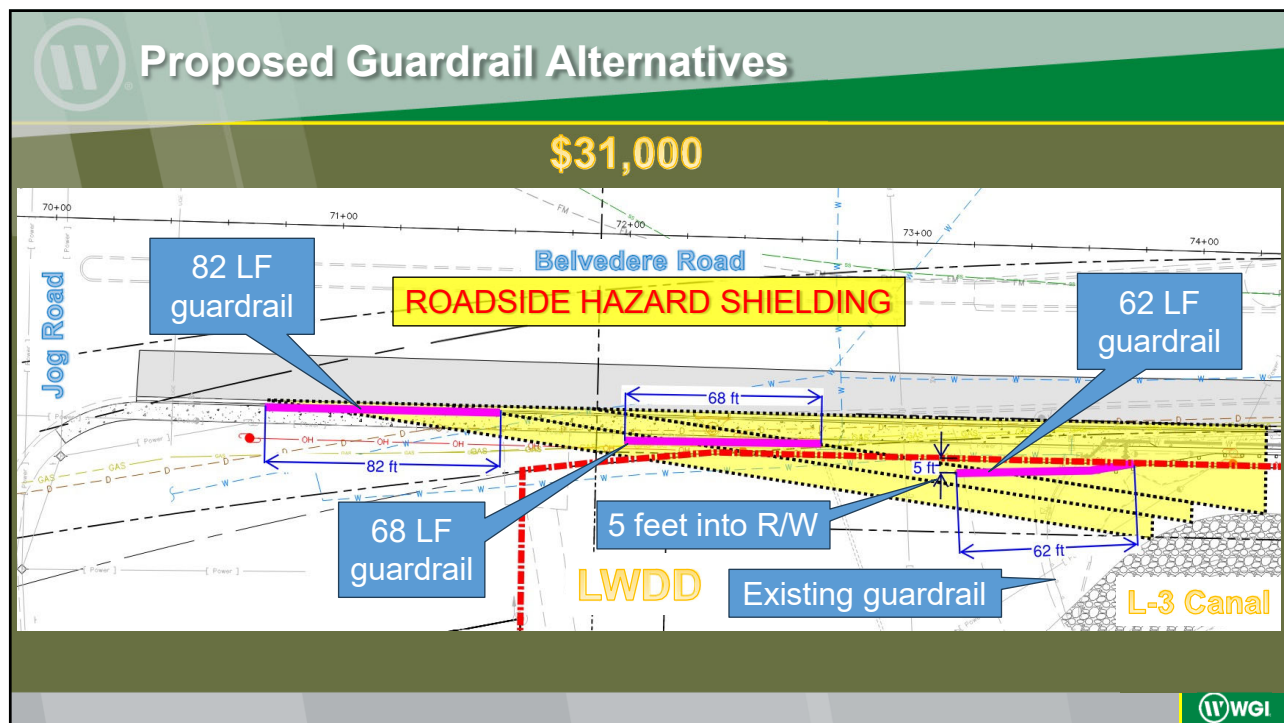


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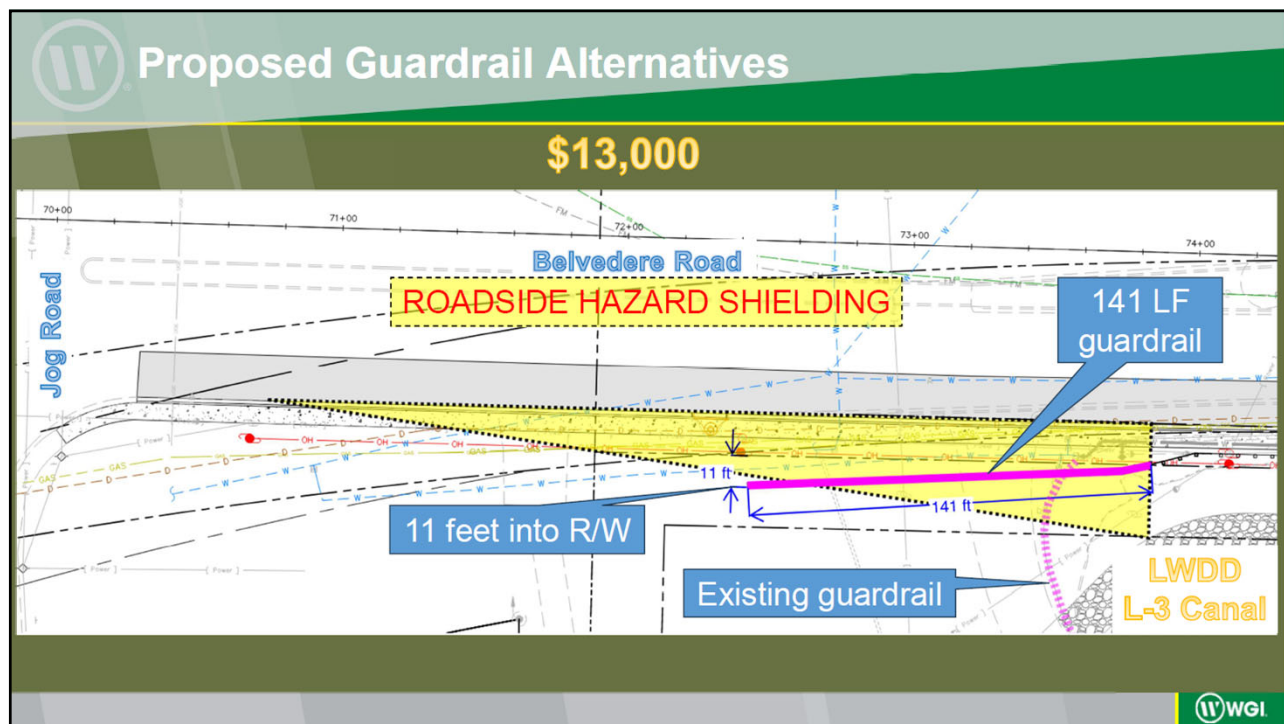


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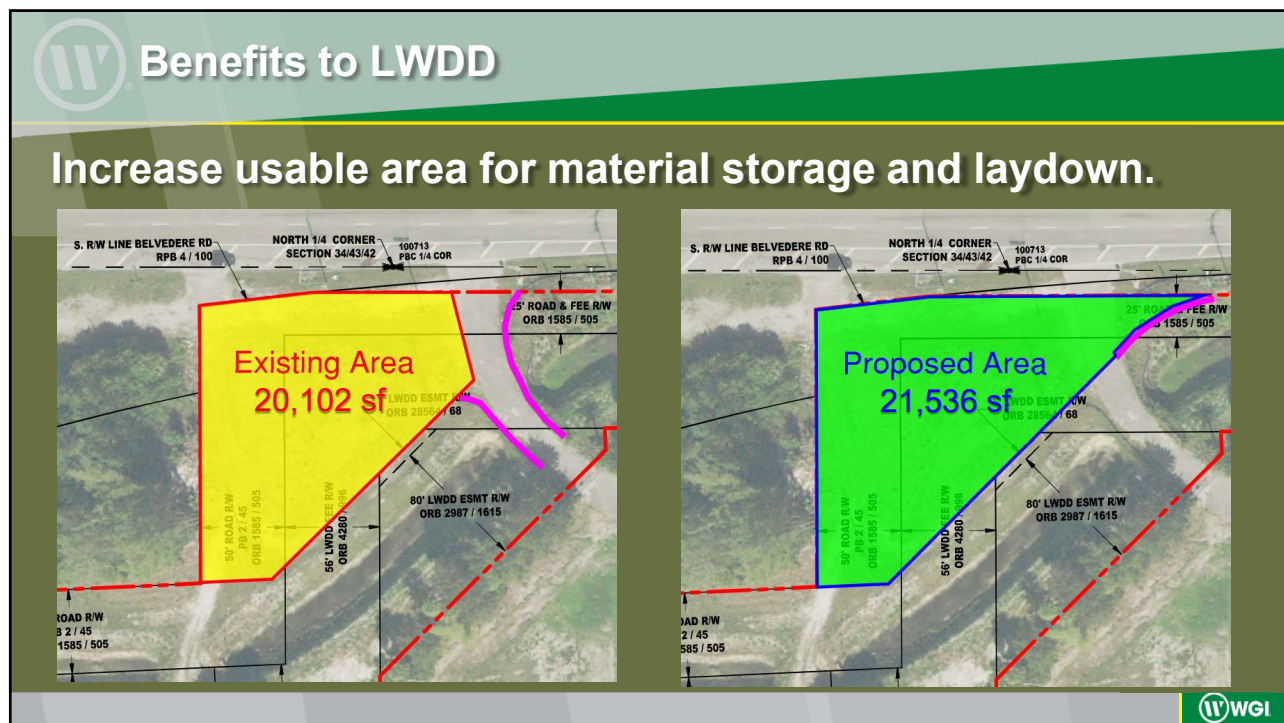


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## Benefits to LWDD

### Provide access along the north and south canal banks.





23



## Benefits to LWDD

### Reconstructed canal improves hydraulic performance.





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## Benefits to LWDD

Reconstructed canal improves hydraulic performance.



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## Benefits to LWDD

Reconstructed canal improves hydraulic performance.



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## Benefits to LWDD

Reconstructed canal improves hydraulic performance.

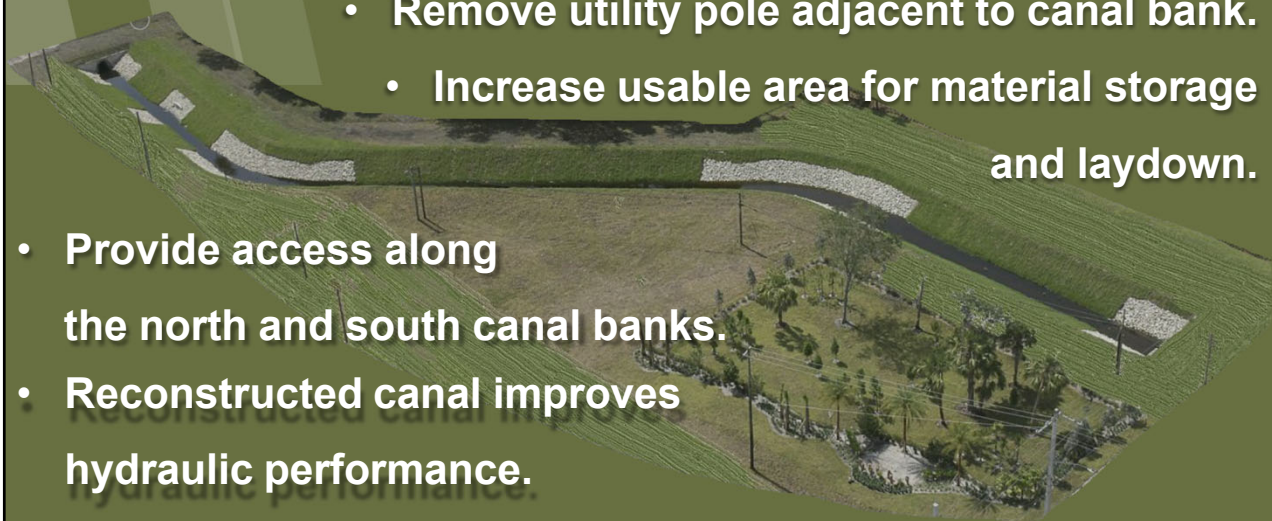


27



## Benefits to LWDD

- Remove utility pole adjacent to canal bank.
- Increase usable area for material storage and laydown.
- Provide access along the north and south canal banks.
- Reconstructed canal improves hydraulic performance.



28

14



Thank you!



2035 Vista Pkwy  
West Palm Beach, FL 33411

Jimmy Richie, PE  
[Jimmy.Richie@wginc.com](mailto:Jimmy.Richie@wginc.com)  
561-248-0727



## **Annual Aquatic Herbicide Contract Project 16-8816L.10**

Megan Hoffman  
Vegetation Management Section Leader

Governing Board Meeting - July 12, 2023  
Agenda Item #8



1

## **SFWMD Aquatics Bid 'Piggy-Back'**



- Pursuant to Ch. 189.053 F.S., Special Districts may procure commodities from purchasing agreements with other governments
- Staff proposes to 'Piggy-Back' on SFWMD aquatic chemicals bid
  - Significant similarities between SFWMD & LWDD aquatic vegetation management programs
  - Offers lower costs for herbicides
  - Reduces procurement time and resources by avoiding bidding process

2

## Bid Comparison: 2022 to 2023



Product	SFWMD 2022 Bid (Gal)	SFWMD 2023 Bid (Gal)	Price Difference
<b>Aquastrike</b>	\$66.75 (2.5)/Winfield	\$76.75 (2.5)/Helena	\$10.00
<b>Aquathol K</b>	\$83.30 (30)/Winfield	\$83.30 (30)/Helena	\$0.00
<b>Element 3A</b>	\$48.00 (2.5)/Nutrien	\$38.00 (2.5)/Nutrien	-\$10.00
<b>Glyphosate *</b>	\$33.65 (2.5)/Summersill	\$24.98 (2.5)/Red River	-\$8.67
	* \$44.95 (2.5)/Red River		-\$19.97
<b>Hydrothol 191</b>	\$86.70 (2.5)/Nutrien	\$86.70 (2.5)/Helena	\$0.00
<b>SonarQ</b>	\$36.06 (40)/Red River	\$36.79 (40)/Red River	\$0.73
<b>Tribune</b>	\$65.55 (2.5)/Nutrien	\$60.00 (2.5)/Helena	-\$5.55
<b>Triclopyr</b>	\$45.00 (2.5)/Red River	\$38.00 (2.5)/Nutrien	-\$7.00

\*Following the 2022 piggy-back award, Summersill was unable to provide Glyphosate and staff had to purchase from another supplier (Red River) when available.

3

## Other Herbicides & Adjuvants



- SFWMD Herbicide Contract does not include one chemical utilized by LWDD
  - Lovert (Additive):
    - Brewer International is the sole manufacturer
    - Purchased \$105,794 in FY2023
    - Current price - \$15.55 per gallon (includes \$3.33 discount for recycled containers)
    - Per LWDD purchasing policies and Ch. 287.057 F.S., commodities available from a single source may be exempted from competitive solicitation

4

## Staff Recommendation



- Approval to Piggy-Back on SFWMD Aquatic Herbicide Chemical Contracts with the respective successful bidders
- Approval to purchase Lovert from Brewer International as a sole source provider

## Renewal of Contract for Financial Auditing Services

Karen Hoyt, Director of Finance  
Governing Board – July 12, 2023  
Agenda Item #9



1

### Background



- On October 17, 2018, the Board approved entering into contract with Grau & Associates for financial auditing services for five years through September 30, 2022.
- The contract included a provision to renew each year thereafter subject to the mutual agreement by both parties to all terms and fees.

2

## Recommendation



- Therefore, staff recommends entering into a one year agreement with Grau & Associates for auditing services for the year ended September 30, 2023 for an amount of \$41,000 (a 2% increase from the prior year)

# **Fiscal Year 2024 Preliminary Budget**

Governing Board Meeting

July 12, 2023

Agenda Item #10

Karen Hoyt, Director of Finance & Administration



# Estimated Revenues



		ACTUAL	BUDGET	FORECAST	BUDGET	NOTES	2022/23 to	2022/23 to
		2021/22	2022/23	2022/23	2023/24		Budget	Budget
							2023/24	2023/24
REVENUES								
NON-AD VALOREM ASSESSMENTS								
Assessments - Current	31910	16,120,593	16,159,000	16,100,000	16,205,000	327,381 Parcels @\$49.50	0.7%	0.3%
Discount on assessments	31920	(570,508)	(646,400)	(570,000)	(648,200)	4% of Assessments	13.7%	0.3%
Commissions - PBC Tax Collector	31930	(152,317)	(161,500)	(152,000)	(162,000)	1% of Assessments	6.6%	0.3%
Tax Roll Preparation - PBC Property Appraiser	31940		(200)	(200)	(200)		0.0%	0.0%
Tax Roll Processing - PBC Information Systems Services (ISS)	31945	(3,850)	(4,000)	(3,850)	(4,000)		3.9%	0.0%
Total NON-AD VALOREM ASSESSMENTS		15,393,918	15,346,900	15,373,950	15,390,600		0.1%	0.3%
OTHER REVENUE								
Delinquent assessments	31950	15,083	10,000	10,000	10,000		0.0%	0.0%
Tax Collector - Reimbursement of expenses	31960	80,048	50,000	88,673	50,000		-43.6%	0.0%
Releases - Quit Claim/Chancery	32910	2,250	2,500	2,500	2,500		0.0%	0.0%
Permit fees	32920	885,674	250,000	600,000	250,000		-58.3%	0.0%
Sales of Surplus Equipment	36010	165,910	10,000	40,000	10,000		-75.0%	0.0%
Miscellaneous	36020	1,166	1,000	5,000	1,000		-80.0%	0.0%
Right-of-way Agreements	36030	198,978	120,000	120,000	120,000		0.0%	0.0%
Sales of Surplus Real Estate	36100	18,438,906	0	0	0		0.0%	0.0%
Interest - Maintenance	36110	27,031	10,000	15,000	10,000		-33.3%	0.0%
Interest - Hazard Mitigation Funds	36120	36,185	0	0	0		0.0%	0.0%
Interest - Capital Projects	36126	34,594	0	0	0		0.0%	0.0%
Interest - Self-Insurance	36130	1,385	0	0	0		0.0%	0.0%
Prior year carryforward - Operations	36900	0	1,330,600	95,833	719,900		0.0%	-45.9%
Prior year carryforward - Capital Improvement	36900	0	1,350,000	1,250,000	350,000		0.0%	0.0%
Total OTHER REVENUE		19,887,210	3,134,100	2,227,006	1,523,400		-31.6%	-51.4%
TOTAL REVENUES		35,281,128	18,481,000	17,600,956	16,914,000		-3.9%	-8.5%



**LWDD**  
LAKE WORTH DRAINAGE DISTRICT

							Forecast	Budget
							2022/23 to	2022/23 to
							Budget	Budget
							2023/24	2023/24
EXPENDITURES								
SALARIES & BENEFITS								
Salaries	51010	5,270,898	5,800,000	5,500,000	6,000,000	90 employees	9.1%	3.4%
Social Security	51020	309,334	360,000	341,000	372,000	6.2% Rate	9.1%	3.3%
Medicare	51025	73,501	84,000	79,800	87,000	1.45% Rate	9.0%	3.6%
Retirement	51030	749,574	838,000	838,000	1,000,000	FRS Employer Contribution Rate - Blended (Reg/Sr Mgmt/DROP) ~ 16%	19.3%	19.3%
Health Insurance	51040	1,223,914	1,400,000	1,266,000	1,500,000	90 employees	18.5%	7.1%
Uniforms	51050	14,519	15,000	15,000	15,000		0.0%	0.0%
Total SALARIES & BENEFITS		7,641,740	8,497,000	8,039,800	8,974,000		11.6%	5.6%
ADMINISTRATIVE								
Board of Supervisors	52010	8,700	20,000	13,000	20,000		53.8%	0.0%
Travel, Education, Memberships & Publications	52020	33,780	75,000	50,000	75,000		50.0%	0.0%
Advertising	52040	27,728	15,000	15,000	15,000		0.0%	0.0%
Permit & other fees	52050	1,853	10,000	5,000	10,000		100.0%	0.0%
Recording fees	52060	3,282	5,000	4,000	5,000		25.0%	0.0%
Taxes	52070	5,222	5,000	5,156	5,000		-3.0%	0.0%
Insurance	52080	297,798	390,000	350,000	420,000	General Liability - \$290K; Worker's Compensation - \$120K, Settlements - \$10K	20.0%	7.7%
Miscellaneous	52090	11,021	10,000	10,000	10,000		0.0%	0.0%
Settlements	63000	42,507						
Total ADMINISTRATIVE		431,891	530,000	452,156	560,000		23.9%	5.7%
UTILITIES								
						Telephone & fax service - \$38K; Garbage & recycling - \$11K; Water - \$15K; Electricity - \$28K; Cable & internet - \$8K; Cell and tablets service - \$21K	1.7%	7.1%
Utilities	53010	113,430	113,000	119,000	121,000			
Electricity - Pumps	53020	82,522	175,000	70,000	175,000	Control structures #1, 2, 3, 4, 9, 11, 12, 17W, 19, 20	150.0%	0.0%
Waste Disposal	53030	9,366	38,000	25,000	38,000	Govt assessment - \$3K; Dump fees - \$35K	52.0%	0.0%
Total UTILITIES		205,318	326,000	214,000	334,000		56.1%	2.5%

# Proposed Expenditures



						Forecast	Budget
						2022/23 to	2022/23 to
						Budget	Budget
						2023/24	2023/24
		ACTUAL	BUDGET	FORECAST	BUDGET		
		2021/22	2022/23	2022/23	2023/24	NOTES	
FIELD OPERATIONS & MAINTENANCE							
Repairs & maintenance - Heavy Equipment	54010	99,939	79,000	110,000	95,000	-13.6%	20.3%
Repairs & maintenance - Heavy Equipment, Overhaul & Retro-fit	54011	0	79,000	0	0	#DIV/0!	-100.0%
Repairs & maintenance - Tractors & mowers	54012	117,004	95,000	115,000	125,000	8.7%	31.6%
Repairs & maintenance - Vehicles	54020	101,515	84,000	120,000	120,000	0.0%	42.9%
Repairs & maintenance - Heavy Trucks	54025	64,284	53,000	50,000	53,000	6.0%	0.0%
Repairs & maintenance - Aquatic Equipment	54030	17,746	21,000	20,000	21,000	5.0%	0.0%
Repairs & maintenance - Chipper Equipment	54032	16,761	42,000	10,000	20,000	100.0%	-52.4%
Repairs & maintenance - Other Equipment	54040	14,654	27,000	10,000	15,000	50.0%	-44.4%
Repairs & maintenance - Buildings & improvements	54050	71,997	105,000	70,000	85,000	21.4%	-19.0%
Repairs & maintenance - Right-of-ways	54060	575,890	870,000	700,000	675,000	-3.6%	-22.4%
Repairs & maintenance - Right-of-ways, Contracted Services	54061	865,096	1,025,000	1,400,000	1,300,000	-7.1%	26.8%
Repairs & maintenance - Controls & pumps	54070	40,722	75,000	50,000	75,000	50.0%	0.0%
Repairs & maintenance - Canals	54090	893,093	950,000	845,000	850,000	0.6%	-10.5%
Total FIELD OPS & MAINTENANCE		2,878,701	3,505,000	3,500,000	3,434,000	-1.9%	-2.0%
EXPENDABLES							
Supplies - Shop	55030	66,146	79,000	60,000	79,000	31.7%	0.0%
Supplies - Tools	55050	19,363	21,000	21,000	21,000	0.0%	0.0%
Supplies - Fuels & Lubricants	55060	441,578	565,000	425,000	452,000	6.4%	-20.0%
Supplies - Office	55080	77,080	70,000	70,000	75,000	7.1%	7.1%
Supplies - Technology	55090	16,872	30,000	20,000	30,000	50.0%	0.0%
Total EXPENDABLES		621,039	765,000	596,000	657,000	10.2%	-14.1%



						Forecast	Budget	
						2022/23 to	2022/23 to	
						Budget	Budget	
						2023/24	2023/24	
CONTRACT WORK								
Contract work - General	56030	236,249	79,000	170,000	116,000	Water Supply - \$40K, Drug Testing - \$3K, Appraisals & surveys - \$24K, Elevator - \$4K, Public Relations - \$5K, Permit Compliance - \$15K & Investment Advisory - \$25K	-31.8%	46.8%
Legal - In house	56040	86,004	86,000	90,000	90,000	Mark Perry, P.A.	0.0%	4.7%
Legal - Outside	56042	62,109	150,000	60,000	90,000	Title Lawsuits, Employment Matters	50.0%	-40.0%
Engineering	56050	225,282	250,000	310,000	200,000	Modeling - Year 3 of 4	-35.5%	-20.0%
Microfilming	56070	1,632	10,000	10,000	10,000	Document scanning / archival microfilm	0.0%	0.0%
Financial Services	56080	49,500	50,000	47,000	55,000	Annual Financial Audit, Actuary	17.0%	10.0%
Technology Services	56090	358,796	463,000	450,000	535,000	Cloud Services - \$184K, IT Support - \$106K, Contract Services - \$153K, Software - \$92K	18.9%	15.6%
Total CONTRACT WORK		1,019,572	1,088,000	1,137,000	1,096,000		-3.6%	0.7%
CAPITAL EXPENDITURES								
Property Acquisition	57010	0	0	0	0			
Buildings & Improvements	57020	211,170	170,000	170,000	255,000	See attached schedule	50.0%	50.0%
Controls / Pumps	57030	414,581	2,450,000	2,350,000	200,000	See attached schedule	-91.5%	-91.8%
Erosion control	57035	0	0	0	0		0.0%	0.0%
Equipment - Light	57050	15,941	0	0	120,000		0.0%	0.0%
Equipment - Heavy	57060	735,736	580,000	647,000	995,000	See attached schedule	53.8%	71.6%
Equipment - Accessories	57070	18,869	95,000	90,000	45,000	See attached schedule	-50.0%	-52.6%
Equipment - Aquatics	57080	24,829	0	0	0		#DIV/0!	
Equipment - Vehicles	57090	166,446	335,000	305,000	80,000	See attached schedule	-73.8%	-76.1%
Office furniture, fixtures & equipment	57100	142,564	140,000	100,000	164,000	See attached schedule	64.0%	17.1%
Total CAPITAL EXPENDITURES		1,730,136	3,770,000	3,662,000	1,859,000		-49.2%	-50.7%
Total EXPENDITURES		14,528,397	18,481,000	17,600,956	16,914,000		-3.9%	-8.5%
NET SURPLUS/DEFICIT		20,752,731	0	0	0			

# Detailed Capital Expenditures



## BUILDINGS & IMPROVEMENTS:

DEPARTMENT	DESCRIPTION	QTY	COST	TOTAL
Management	Strength/harden front entrance - Reception area (Level 3)			65,000
	Pre-fab Office (Chemical Building)			70,000
	Pole Barn including fencing (Replace the Miner Building)			40,000
	Impact Windows ( West Wing of Administrative Building)			80,000
				<u>255,000</u>

## CONTROL STRUCTURES / PUMPS:

DEPARTMENT	DESCRIPTION	QTY	COST	TOTAL
Fleet / Structures	Control Structure No. 2 - Radial gate replacement	2	100,000	200,000
				<u>200,000</u>

## LIGHT EQUIPMENT:

DEPARTMENT	DESCRIPTION	QTY	COST	TOTAL
Canal Maintenance				
	Fork Lift (Replace M-34)	1	50,000	50,000
	Mini Skid Steer	1	30,000	30,000
	Mini Excavator	1	40,000	40,000
				<u>120,000</u>

## HEAVY EQUIPMENT:

DEPARTMENT	DESCRIPTION	QTY	COST	TOTAL
Canal Maintenance				
	Off Road End Dump (25 Ton)	1	450,000	450,000
	Flat Mowers (Replace M-86)	1	175,000	175,000
	Boom Mower (Replace M-76 and Additional)	2	185,000	370,000
				<u>995,000</u>

# Detailed Capital Expenditures



## ACCESSORIES:

DEPARTMENT	DESCRIPTION	QTY	COST	TOTAL
Canal Maintenance				
	Tilt buckets	3	10,000	30,000
	Equipment Trailer	1	15,000	15,000
				<u>45,000</u>

## VEHICLES:

DEPARTMENT	DESCRIPTION	QTY	COST	TOTAL
Fleet / Structures				
	Truck - Ford F150 (Replaces T-124)	1	40,000	40,000
Carryforward from 2023	Truck - Ford Ranger (Replaces T-138)	1	40,000	40,000
		<u>2</u>		<u>80,000</u>

## OFFICE FURNITURE, FIXTURES & EQUIPMENT:

DEPARTMENT	DESCRIPTION	QTY	COST	TOTAL
IT				
	Survey Equipment			35,000
	Servers - SCADA			50,000
	Computers - Desktops / Tablets			34,000
	Miscellaneous Hardware and Software			45,000
		<u>0</u>		<u>164,000</u>

# Analysis of Net Change



	<u>Revenues</u>	<u>Expenditures</u>
Proposed - Total Budget Dollars	16,979,000	16,979,000
<b>Increases (Decreases) :</b>		
Non ad valorem assessments less discount and commissions - 932 parcels	43,700	
Capital - Buildings & Improvements - Electrical Car Charging Station (\$320,000 to \$255,000)		(65,000)
Prior Year Carryforward - Operations (\$828,600 to \$719,900)	(108,700)	
NET CHANGE	(65,000)	(65,000)
Preliminary - Total Budget Dollars	<b>16,914,000</b>	<b>16,914,000</b>

# Budget Timeline

- ✓ June 2023 – Proposed budget workshop
- ✓ July 2023 – Preliminary Budget presented to Board; Board approval to advertise Preliminary Budget and public hearing
- August 2023 – Public Hearing and Final Budget Adoption

# Budget Uncertainties

- Health insurance
- Property and casualty insurance
- Fuel
- Water Supply Initiatives

# Staff Recommendation



- Approval of FY24 Preliminary Operating Budget totaling \$16,914,000 with a non-ad valorem assessment rate of \$49.50 and authorization to advertise public notice