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**ENGINEER'S REPORT  
HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 248  
LJA JOB NO. 0460-4810 (12.3)**

OCTOBER 12, 2022

(✓)  
Action  
Item

**Agenda Item No. 3**

**1. Weiser Business Park Development**

**Detention Pond Excavation (LJA Job No. 2004-1905)**

Contractor: R Construction Civil  
Notice to Proceed: September 28, 2020  
Original Contract Amount: \$1,002,274.30  
Revised Contract Amount: \$1,101,835.05 (\$26,400 CO1, \$32,320 CO2, \$32,742 CO3,  
\$8,098.75 CO4)  
Construction Status: Complete.

**Lift Station (LJA Job No. 2004-1904)**

Contractor: 5J Services, LLC  
Notice to Proceed: January 27, 2021  
Original Contract Amount: \$529,215.00  
Revised Contract Amount:  
Construction Status: Startup held October 4. Punchlist sent to Contractor. Waiting on  
gas line extension and gas meter installation to test the generator.

**Traffic Signal (LJA Job No. 2004-1908)**

Contractor: Citylynx, Inc.  
Notice to Proceed: March 24, 2021  
Original Contract Amount: \$194,769.70  
Revised Contract Amount:

Construction Status: Signal construction is substantially complete. Will schedule  
startup when paving is complete at intersection of Huffmeister and Fallbrook.

**Water Line, Sanitary Sewer, Drainage and Paving (LJA Job No. 2004-1906)**

Contractor: R Construction Civil  
Notice to Proceed: April 6, 2021  
Original Contract Amount: \$3,876,953.11  
Revised Contract Amount: \$4,398,300.26 (\$260,248.00 CO1, \$171,874.00 CO2,  
\$98,225.15 CO3, \$44,698.00 CO4)

Construction Status: Huffmeister and Fallbrook intersection paving underway.

**2. Proposed Kensinger Feasibility Study and Annexation of Land into District**

Provided additional information to Kensinger to reduce cost estimate based on water and sewer serving only Kensinger tract.

**Agenda Item No. 10**

**1. Weiser Business Park Bond Issue**

Order and technical memorandum received from TCEQ (attached).

**2. WBP Pond Reimbursement**

Nothing new to report.

**3. Sanitary Sewer and Manhole TV Review**

Opinion of probable cost for the manhole rehab project attached. This line is shared between 222, 248, and 61. It is our understanding that the District where the line is located is the District that manages design, bidding, inspection, and construction administration for the rehab project.

**4. Huffmeister Road and Hempstead Road (Triangle) Tracts**

Nothing new to report.

**5. 290 Commons Storm Water Quality (SWQ) Feature**

Working with Champions Hydro-Lawn for the removal and replacement of the SWQ feature (trash rack).

<b>One-Year Warranty Projects</b>	

# Texas Commission on Environmental Quality

## TECHNICAL MEMORANDUM

**To:** Justin P. Taack, Manager  
Districts Section *JPT 10/5/2022* **Date:** October 5, 2022

**Thru:** Andrew Paynter, Technical Specialist  
Districts Section

**From:** Darryl K. Smith, P.E.  
Districts Bond Team

**Subject:** Harris County Municipal Utility District No. 248; Application for Approval of \$11,315,000 Unlimited Tax Bonds, Eighth Issue, 5.19% Net Effective Interest Rate, Series 2022; Pursuant to Texas Water Code Section 49.181. TCEQ Internal Control No. D-04222022-036 (TC) CN: 600738280 RN: 101403731

### A. GENERAL INFORMATION

The Texas Commission on Environmental Quality (TCEQ) received an application from Harris County Municipal Utility District No. 248 requesting approval for the issuance of \$11,315,000 in unlimited tax bonds to finance the district's share of the following projects:

1. North waterline loop to serve Weiser Business Park;
2. Lift station to serve Weiser Business Park;
3. Detention pond to serve Weiser Business Park;
4. Geotechnical and master drainage reports;
5. Land acquisition costs;
6. Connection costs; and
7. Water, wastewater, and drainage facilities serving the following development within the District:

<u>Development</u>	<u>Type of Development</u>	<u>Acreage</u>	<u>Existing ESFCs<sup>(1)</sup></u>	<u>Ultimate ESFCs</u>
Weiser Business Park	Industrial/Commercial	131.92	0	250

Note:

- (1) Equivalent single-family connections as of March 24, 2022, as stated in the engineering report.

The District's previous bond issues funded utilities to serve 2,262 ESFCs on 310.83 acres. Including this bond issue, the District will have funded 2,512 ESFCs on 442.75 acres. According to the engineering report and based on a current District area of 508.95 acres, the District's ultimate development is projected to serve 2,612 ESFCs.

### B. ECONOMIC ANALYSIS

#### Tax Rate Analysis

The feasibility of this bond issue is based on no-growth to a January 1, 2022, estimated taxable assessed valuation of \$605,282,967. A market study has not been provided and is not required since the feasibility of this bond issue is based on no-growth.

According to a Harris County Appraisal District certificate, the District's January 1, 2022, estimated taxable assessed valuation is \$605,282,967. The annual debt service requirement for a \$11,315,000 bond issue and existing debt averages \$1,373,219 for the 26-year life of the District's bond debt. According to the engineering report, the District levied a maintenance tax rate of \$0.15 in 2021 and is projecting to levy a maintenance tax rate of \$0.15 in the future.

The District's financial advisor submitted cash flow schedules considering the requested \$11,315,000 bond issue, no-growth to a January 1, 2022, estimated taxable assessed valuation of \$605,282,967, 5.0% bond interest rate, a 3% bond discount, a 95% collection rate, and a projected tax rate of approximately \$0.346 per \$100 assessed valuation.

A TCEQ Districts Section's financial analyst has reviewed the financial information submitted and concluded that the following level debt service tax rates would be sufficient.

	<u>Projected Tax Rate</u>
District Debt Service	\$0.35 <sup>(1)(2)</sup>
Maintenance Tax	<u>\$0.15</u>
Total District Taxes	\$0.50 <sup>(3)</sup>

Notes

- (1) Based on a proposed \$11,315,000 bond issue, existing debt, a net effective interest rate of 5.19%, a 95% tax collection rate, no-growth to a January 1, 2022, estimated taxable assessed valuation of \$605,282,967, and at least a 25% ending debt service fund balance.
- (2) The term "commission-approved tax rate" in 30 Texas Administrative Code (TAC) Section 293.85 refers to an initial ad valorem debt service tax rate of at most \$0.35 per \$100 assessed valuation.
- (3) Represents the combined projected tax rate as defined by 30 TAC Section 293.59(f).

Additional Financial Comments

The District is exempt from the 75% and 25% build-out requirements of 30 TAC Sections 293.59(l)(4) and 293.59(k)(7), respectively, based on its combined no-growth tax rate of \$0.50 not exceeding \$1.50 pursuant to 30 TAC Sections 293.59(l) and 293.59(k)(11)(C).

**C. ENGINEERING ANALYSIS**

Water Supply

The District's water supply is currently provided by Harris County Fresh Water Supply District (HCFWSD) No. 61 pursuant to the "Water Supply Contract By and Between Harris County Fresh Water Supply District No. 61 and Harris County Municipal Utility District No. 248" dated August 30, 2000, as amended. The District currently owns water capacity in the amount of 2,616 ESFCs. HCFWSD No. 61 has an aggregated permit to withdraw ground water. The wells, along with other wells listed on aggregate permits have a combined permitted (Harris-Galveston Subsidence District Permit No. WP2021-4702) capacity of 23,450 million gallons. The water plant facilities are owned and operated by HCFWSD No. 61.

The District has nine total interconnects with HCFWSD No. 61, one of which provides water as an emergency interconnect to the District. The District also has an emergency interconnect with Harris County Municipal Utility District Nos. 14 and 15. All emergency interconnects are normally closed.

The following table summarizes the existing HCFWSD No. 61 water facilities that serve the District along with the ESFC capacity of each component based on criteria stated in 30 TAC Section 290.45:

<u>Facility</u>	<u>Minimum Requirements</u>	<u>Total Capacity (ESFCs)</u>
Water Wells	0.6 gpm/ESFC	8,100 gpm <sup>(1)</sup> (13,500 ESFCs)
Total Storage	200 gal/ESFC	3,580,000 gal (17,900 ESFCs)
Elevated Storage	100 gal/ESFC	900,000 gal (9,000 ESFCs)
Booster Pumps	2 gpm/ESFC	14,500 gpm <sup>(2)</sup>

Notes:

- (1) Represents capacity provided by HCFWSD No. 61 from a total of six water wells.
- (2) The MaUD's pump capacity appears sufficient to meet the peak hourly demands of the District.

The District's contracted 2,616 ESFC water supply appears sufficient to serve the existing 1,892 ESFCs necessary to support the feasibility of this proposed bond issue.

#### Wastewater Treatment

Wastewater treatment for the District is provided by HCFWSD No. 61 at the Hasting Green Regional Wastewater Treatment Plant under Texas Pollutant Discharge Elimination System Permit No. WQ00010876002. The permit authorizes a discharge of 3.0 million gallons per day (MGD) from the plant. As stated in the engineering report the District currently owns 2,606 ESFCs of wastewater capacity at the plant and by agreement has the option to purchase an additional 366 ESFCs for a total capacity of 2,972 ESFCs.

HCFWSD No. 61's current wastewater treatment capacity appears adequate to serve the District's existing 1,892 ESFCs necessary to support the feasibility of this proposed bond issue.

#### Storm Water Drainage

The District's conveyance system is a series of curb, gutter, parking lots, and storm sewer designed to facilitate flow to an outfall location including White Oak Bayou, Harris County Flood Control and TxDot facilities.

#### Purchase of Existing Facilities and/or Assumption of Existing Contracts

<u>Project Description</u>	<u>Contractor</u>	<u>% Complete (Date)</u>	<u>Contract Amount</u> <sup>(1)</sup>	<u>Amt. Subj. to Distr. Contrib.</u> <sup>(2)</sup>
Weiser Business Park - W, WW & D	R Construction Civil	95% (2/2022)	\$4,442,998	\$4,442,998 \$2,605,105 <sup>(2)</sup>
Lift Station to Serve Weiser Business Park	5J Services, LLC	88% (1/2022)	\$529,215	\$529,215
Detention Pond to Serve Weiser Business Park	R Construction Company	98% (7/2021)	\$1,101,835	\$1,101,835

Notes:

- (1) Based on original contract amount awarded to the contractor plus or minus change orders and final quantity adjustments.
- (2) Excludes \$1,837,839 for non-reimbursable items and ineligible paving related costs, as deducted in application material.

Approved plans and specifications, preconstruction agreements, and various construction contract documents have been provided.

Facilities to be Constructed

<u>Project</u>	<u>Status</u>	<u>Estimated Costs</u>	<u>District's Share</u>
North Water Line Loop to Serve Weiser Business Park	Design	\$400,000	\$400,000

Approved plans and specifications and various construction contract documents have not been provided.

Inspection

The District was inspected by the TCEQ's Districts Section on September 7, 2022. The District appeared as represented in the engineering report. District name signs were properly posted.

**D. SUMMARY OF COSTS**

<u>Construction Costs</u>	District's Share <sup>(1)</sup>
<b>A. Developer Contribution Items</b>	
1. North Waterline Loop	\$ 400,000
2. Weiser Business Park - W, WW, & D	2,605,105
3. Lift Station to Serve Weiser Business Park	529,215
4. Detention Pond to Serve Weiser Business Park	1,101,835
5. Engineering and Testing (Items 1- 4)	791,435 <sup>(2)</sup>
6. Geotechnical & Master Drainage Reports	86,062
7. Contingencies (Item 1)	48,400
8. SWPPP (Item 1)	<u>12,000</u>
Total Developer Contribution Items	\$ 5,574,052
<b>B. District Items</b>	
1. Connection Cost	\$ 550,116 <sup>(3)</sup>
2. Land Acquisition Cost	
a. Lift Station to Serve Weiser Business Park	17,601 <sup>(4)</sup>
b. Detention Pond to Serve Weiser Business Park	<u>3,801,841</u> <sup>(5)</sup>
Total District Items	\$ 4,369,558
<b>TOTAL CONSTRUCTION COSTS (87.9% Of Bond Issue Requirement)</b>	\$ 9,943,610

Non-Construction Costs

A. Legal Fees	287,875	(6)
B. Fiscal Agent Fees	226,300	(7)
C. Developer Interest (5.0%)	307,111	(8)
D. Bond Discount (3%)	339,450	
E. Bond Issuance Expenses	82,866	
F. Bond Application Report	90,000	
G. Attorney General Fee (0.10% or \$9,500 max)	9,500	
H. TCEQ Bond Issuance Fee (0.25%)	<u>28,288</u>	
I. TOTAL NON-CONSTRUCTION COSTS	\$ 1,371,390	
<b>TOTAL BOND ISSUE REQUIREMENT</b>		<b>\$ 11,315,000</b>

Notes:

- (1) The District has requested a waiver of the 30% developer contribution requirement of 30 TAC Section 293.47.
- (2) Expenses include North Waterline Loop (\$60,000 for engineering plus \$12,000 for testing), Weiser Business Park W, WW & D (\$381,937 for engineering plus \$43,559 for testing), Lift Station - Weiser Business Park (\$94,355 for engineering plus \$22,864 for testing), Detention Pond - Weiser Business Park (\$129,900 for engineering plus \$31,820 for testing) and Harris Flood Control District coordination fee (\$15,000)
- (3) Represents additional water/wastewater connections that had to be purchased by the district to serve the property, which was charged to the developer under the annexation.
- (4) Represents total land cost of \$17,601 (0.0694 acres x \$253,456.05 per acre).
- (5) Represents total land cost of \$3,801,841 (15 acres x \$253,456.05 per acre).
- (6) According to the contract provided, legal fees are 3% of the first \$500,000 of bonds issued, plus 2% of bonds issued above \$500,000, plus 0.5% of total bonds for disclosure counsel fee.
- (7) Pursuant to the contract provided, fiscal fees are 2.0% of bonds issued.
- (8) Estimated at 5% with a proposed funding date of November 1, 2022, or a maximum of five years in accordance with 30 TAC 293.50(b). The District has requested less than one year of capitalized interest in accordance with 30 TAC Section 293.50(b)(2), and the District's financial advisor has concurred with the request in a letter dated May 25, 2022.

**E. SPECIAL CONSIDERATIONS**

**1. Waiver of the 30% Developer Contribution**

The District has requested a waiver of the 30% developer contribution requirement, pursuant to 30 TAC Section 293.47(a)(1), based on the District having a debt to assessed valuation ratio of 10% or less. The District's existing debt (\$13,640,000), as of March 9, 2022, and recommended (\$11,315,000) debt sum to \$24,955,000. The District has provided a certificate from the Harris County Appraisal District indicating a January 1, 2022, estimated taxable assessed valuation of \$605,282,927; therefore, its debt to assessed valuation ratio is 4.12%. The District's request for a waiver of the 30% developer contribution requirement can be granted pursuant to 30 TAC Section 293.47(a)(1).

2. Developer Interest for a Period of More Than Two Years

The District has requested approval to reimburse developer interest for a period of more than two years pursuant to 30 TAC Section 293.50(b)(2). The bond issue does not include capitalized interest. Because the \$307,112 in developer interest in this bond issue does not exceed an amount equal to four years interest on the total bond issue (\$2,263,000), the request to reimburse developer interest should be approved pursuant to 30 TAC Section 293.50(b).

3. Delayed Funding

The cost summary includes funds for district projects and/or facilities which are incomplete or proposed and for which approved plans and specifications are not available. Therefore, the District should be directed not to expend these funds until the District's board has received plans and specifications approved by all entities with jurisdiction.

**F. CONCLUSIONS**

1. Based on \$49,970,000 in unlimited tax bonds approved by voters for water, wastewater, and drainage facilities and \$28,320,000 bonds previously approved by the TCEQ and issued by the District for water, wastewater, and drainage facilities, the District has sufficient voter-authorized bonds (\$21,650,000) for the proposed bond issue.
2. Based on the review of the engineering report, plans, specifications, and supporting documents, the bond issue is considered feasible and meets the criteria established by the TCEQ's economic feasibility rules, 30 TAC Section 293.59.
3. The recommendations are made under authority delegated by the Executive Director of the TCEQ.

**G. RECOMMENDATIONS**

1. Approve the bond issue in the amount of \$11,315,000 in accordance with the recommended summary of costs, at a maximum net effective interest rate of 5.19%.
2. Grant a waiver of the 30% developer contribution requirement pursuant to 30 TAC Section 293.47(a)(1).
3. Approve the District's request to reimburse developer interest for a period of more than two years pursuant to 30 TAC Section 293.50(b)(2).
4. The District should be directed not to expend \$448,400 (\$400,000 for construction, plus \$48,400 for contingencies) for North Water Line Loop to Serve Weiser Business Park pending District board receipt of plans and specifications approved by all entities with jurisdiction, as necessary.
5. Standard recommendations regarding purchase of facilities, developer interest, consultant fees, surplus proceeds, time of approval, and bond proceeds fee apply.



# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



## AN ORDER APPROVING AN ENGINEERING PROJECT AND THE ISSUANCE OF \$11,315,000 IN UNLIMITED TAX BONDS FOR HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 248

An application by Harris County Municipal Utility District No. 248 (District) was presented to the Executive Director of the Texas Commission on Environmental Quality (TCEQ) for consideration of approval pursuant to TEX. WATER CODE §§ 5.122 and 49.181. The District requested approval of an engineering project and issuance of \$11,315,000 in bonds to finance: north waterline loop to serve Weiser Business Park; lift station to serve Weiser Business Park; detention pond to serve Weiser Business Park; geotechnical and master drainage reports; land acquisition costs; connection costs; and water, wastewater and drainage facilities serving industrial/commercial development within Weiser Business Park. The TCEQ has jurisdiction to consider this matter, and the following Findings of Fact and Conclusions of Law are appropriate after examining the application and supporting documentation.

### FINDINGS OF FACT

1. The District filed an application with the TCEQ on April 22, 2022, for approval of a proposed engineering project and the issuance of \$11,315,000 in bonds.
2. The Executive Director of the TCEQ has investigated the District.
3. The application and accompanying documents have been examined. The project site was investigated by the TCEQ on September 7, 2022. A memorandum was prepared on the project dated October 5, 2022, a copy of which is attached and made a part hereof.
4. The District's project and issuance of \$11,315,000 of bonds at a maximum net effective interest rate of 5.19% to finance the project should be approved.
5. The District's request for a waiver of the 30% developer contribution requirement should be granted in accordance with 30 TEX. ADMIN. CODE § 293.47(a)(1).
6. The District's request to fund more than two years of developer interest should be granted pursuant to 30 TEX. ADMIN. CODE § 293.50(b).
7. The District should be directed not to expend \$448,400 (\$400,000 for construction, plus \$48,400 for contingencies) for North Water Line Loop to Serve Weiser Business Park pending District board receipt of plans and specifications approved by all entities with jurisdiction, as necessary.

8. The District should be directed not to purchase facilities or assume facility contracts from the developer until either (a) the TCEQ's Region Office has inspected the project, and the District has received a TCEQ Region Office report with no deficiencies noted, for which approval is valid for 120 days from the date of this Order; or, if a TCEQ Region Office report indicates deficiencies, (b) the TCEQ Districts Section has received a request from the District and a TCEQ Region Office report, reviewed the contract administration, and given written authorization to finalize the purchase or assumption; either one in accordance with 30 TEX. ADMIN. CODE § 293.69.

9. The District's Board of Directors should be directed to review to its satisfaction the detailed calculations of the developer's interest to ensure that the costs are authorized District expenditures and in accordance with 30 TEX. ADMIN. CODE § 293.50 before reimbursement to the developer is made.

10. The District should be advised that the legal, fiscal agent, and engineering fees have not been evaluated to determine whether these fees are reasonable or competitive. These fees are included as presented in the engineering report.

11. The District should be directed that any surplus bond proceeds resulting from the sale of bonds at a lower interest rate than that proposed shall be shown as a contingency line item in the Official Statement and the use of such funds shall be subject to approval pursuant to TCEQ rules on surplus funds.

#### CONCLUSIONS OF LAW

1. The TCEQ has jurisdiction to consider the engineering report and bond application pursuant to TEX. WATER CODE § 49.181.

2. The Executive Director of the TCEQ has investigated the District, and the TCEQ has found it legally organized and feasible.

3. The TCEQ's memorandum dated October 5, 2022, on this engineering project and bond issue should be adopted as the written TCEQ project report in compliance with TEX. WATER CODE § 49.181(d).

NOW THEREFORE, BE IT ORDERED BY THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY that the TCEQ's memorandum dated October 5, 2022, on this engineering project and bond issue is adopted as the written TCEQ project report. Pursuant to TEX. WATER CODE § 49.181, the engineering project for Harris County Municipal Utility District No. 248 is hereby approved together with the issuance of \$11,315,000 of bonds at a maximum net effective interest rate of 5.19%. The District's request for a waiver of the 30% developer contribution requirement is granted in accordance with 30 TEX. ADMIN. CODE § 293.47(a)(1). The District's request to fund more than two years of developer interest is approved in accordance with 30 TEX. ADMIN. CODE § 293.50(b). The District is directed not to expend \$448,400 (\$400,000 for construction, plus \$48,400 for contingencies) for North Water Line Loop to Serve Weiser Business Park pending District board receipt of plans and specifications approved by all entities with jurisdiction, as necessary. The District is directed not to purchase facilities or assume facility contracts from the developer until either (a) the TCEQ's Region Office has inspected the project, and the District has received a TCEQ Region Office report with no deficiencies noted, for which approval is valid for 120 days from the date of this Order; or, if a TCEQ Region Office report indicates deficiencies, (b) the TCEQ Districts Section has received a request from the District and a TCEQ Region Office report, reviewed the contract administration, and given written authorization to finalize the purchase or assumption; either one in accordance with 30 TEX. ADMIN. CODE § 293.69. The District's Board of Directors is directed to review to its

satisfaction the detailed calculation of the developer's interest to ensure that the costs are authorized District expenditures and in accordance with 30 TEX. ADMIN. CODE § 293.50 before reimbursement to the developer is made. The District is advised that the legal, fiscal agent, and engineering fees have not been evaluated to determine whether these fees are reasonable or competitive. These fees are included as presented in the engineering report. The District is directed that any surplus bond proceeds resulting from the sale of bonds at a lower interest rate than that proposed shall be shown as a contingency line item in the Official Statement and the use of such funds shall be subject to approval pursuant to TCEQ rules on surplus funds. The approval of the sale of these bonds herein shall be valid for one year from the date of this Order unless extended by written authorization of the TCEQ.

BE IT FURTHER ORDERED that pursuant to TEX. WATER CODE § 5.701, the District shall pay to the TCEQ 0.25% of the principal amount of bonds actually issued not later than the seventh (7<sup>th</sup>) business day after receipt of the bond proceeds. The fees shall be paid by check payable to the Texas Commission on Environmental Quality.

BE IT FURTHER ORDERED that to enable the TCEQ to carry out the responsibilities imposed by TEX. WATER CODE §§ 49.181-182, the District shall (1) furnish the TCEQ copies of all bond issue project construction documentation outlined under 30 TEX. ADMIN. CODE § 293.62, including detailed progress reports and as-built plans required by TEX. WATER CODE § 49.277(b), which have not already been submitted; (2) notify the TCEQ and obtain approval of the TCEQ for any substantial alterations in the engineering project approved herein before making such alterations; and (3) ensure, as required by TEX. WATER CODE § 49.277(b), that all construction financed with the proceeds from the sale of bonds is completed by the construction contractor according to the plans and specifications contracted.

BE IT FURTHER ORDERED that failure of said District to comply with all applicable laws and with provisions of this Order shall subject the District and its directors to all penalties that are provided by law and shall further be considered by the TCEQ as grounds for refusal to approve other bonds of the District.

The Chief Clerk of the TCEQ is directed to forward the District a copy of this Order.

If any provision, sentence, clause, or phrase of this Order is for any reason held to be invalid, the invalidity of any portion shall not affect the validity of the remaining portions of the Order.

Issue Date: **DRAFT**

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For the Commission

**HCMUD 222, HCMUD 248 and HCFWSD No. 61 Shared South Trunk Line  
 South Shared Trunk Line Rehabilitation Phase I  
 LJA Job Number.- 0461-2210 & 0460-4810  
 Date: October 11, 2022**

	Connection		Share %	District Share
<b>Estimated Cost</b>				<b>\$ 92,103</b>
Segment A - Manhole E2 to G				
HCMUD 248	1,526	ESFC	58.29%	\$ 53,685.72
HCFWSD 61	1,018	ESFC	38.88%	\$ 35,813.94
HCMUD 222	74	ESFC	2.83%	\$ 2,603.37
	2,618	ESFC	100%	\$ 92,103.03

<b>Estimated Cost</b>				<b>\$ 24,797</b>
Segment B - Manhole G				
HCMUD 248	1,526	ESFC	52.86%	\$ 13,107.09
HCFWSD 61	1,018	ESFC	35.26%	\$ 8,743.79
HCMUD 222	343	ESFC	11.88%	\$ 2,946.09
	2,887	ESFC	100%	\$ 24,796.97

<b>Total Cost</b>				<b>\$ 116,900</b>
HCMUD 248				\$ 66,792.82
HCFWSD 61				\$ 44,557.72
HCMUD 222				\$ 5,549.46
			Subtotal	\$ 116,900.00
			Contingency (20%)	\$ 23,380.00
			<b>Total</b>	<b>\$ 140,280.00</b>

**HCMUD 222, HCMUD 248 and HCFWSD No. 61 Shared South Trunk Line  
 South Shared Trunk Line Rehabilitation Phase I  
 LJA Job Number.- 0461-2210 & 0460-4810  
 Date: October 11, 2022**

Item No.	Description	Unit	Quantity	Unit Price	HCMUD 248 Share	HCMUD 222 Share	HCFWSD 61 Share	Total Cost
1	MOBILIZATION, COMPLETE IN PLACE	EA	1	\$30,000	\$ 17,141.01	\$ 1,424.16	\$ 11,434.83	\$30,000
2	LOCATE AND RAISE EXISTING MANHOLE, COMPLETE IN PLACE	EA	2	\$1,000	\$ 1,142.73	\$ 94.94	\$ 762.32	\$2,000
3	REHABILITATE SANITARY SEWER MANHOLE WITH TRIPLEX LINER, COMPLETE IN PLACE	VF	99	\$700	\$ 39,595.74	\$ 3,289.80	\$ 26,414.46	\$69,300
4	DIVERSION PUMPING AS REQUIRED TO MAINTAIN SERVICE AT ALL TIMES, INCLUDING TEMPORARY, PLUGS AND REMOVAL UPON COMPLETION (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LS	1	\$15,000	\$ 8,570.51	\$ 712.08	\$ 5,717.42	\$15,000.00
5	POST-CONSTRUCTION VIDEO AND CLEANING OF MANHOLES, ALL DEPTHS, (VIDEO TO BE SUPPLIED TO ENGINEER ON PORTABLE EXTERNAL USB HARD DRIVE), COMPLETE IN PLACE	EA	6	\$100	\$ 342.82	\$ 28.48	\$ 228.70	\$600
SUBTOTAL					\$ 66,792.82	\$ 5,549.46	\$ 44,557.72	\$116,900
CONTINGENCY (20%)					\$ 13,358.56	\$ 1,109.89	\$ 8,911.54	\$23,380
<b>TOTAL</b>					<b>\$ 80,151.38</b>	<b>\$ 6,659.35</b>	<b>\$ 53,469.27</b>	<b>\$140,280</b>

Since the Engineer has no control over the cost of labor, materials or equipment, or over the contractor's methods of determining prices, or over competitive bidding or market conditions, the Engineer's opinions of probable Project Cost or Construction Cost provided herein are to be made on the basis of the Engineer's experience and qualifications and represents the Engineer's best judgement as a design professional familiar with the construction industry, but the Engineer cannot and does not guarantee that proposals, bids or the Construction Cost will not vary from opinions of probable cost prepared by the Engineer.



