



May 2, 2018

Shannon LaRocque, P.E.
Utilities Director
Village of Wellington
12300 Forest Hill Boulevard
Wellington, FL 33414

Re: Village of Wellington WWTF, Aeration Basin No. 3 Emergency Repairs

Ms. LaRocque:

In response to your request, Wharton Smith is please provide this proposal in order to repairs/modifications to the existing Aeration Basin No. 3 structure located at the Village of Wellington Wastewater Treatment Facility.

Wharton Smith has reviewed the documents provided by Hazen and Sawyer as well as performed a visual inspection of the location where work is to be performed. Accordingly, we conclude the scope of services to generally include:

Aeration Basin No. 3 Structure:

- Construct new cast-in-place concrete wall adjacent & parallel to existing basin's East and West exterior walls as outlined on plan sheet S01 and detailed on plan sheet S02
- Furnish and install 316SS metal bracket at the bottom face of the existing beam on the East basin wall as shown in detail C on sheet S02
- Perform concrete wall repairs as outlined on sheet S03
- Site restoration and clean-up to preconstruction conditions
- Furnish all required Bonds and Insurances

Wharton Smith is prepared to supply all labor, materials and equipment to perform the work as outlined and as indicated in the referenced documents for the lump sum price of **\$177,879.00**

Only the items listed in the Proposal Summary are to be considered as included in our scope of work. No cost allowance has been made for items of work not contained in the Proposal Summary, and are specifically excluded from this proposal. Due the absence of certain material specifications, we've assumed the use of standard materials typical within the industry for this type of construction.

Wharton Smith agrees to achieve project Substantial Completion with 60 calendar days and Final Completion within 105 calendar days from Notice-To-Proceed as defined under the agreement. Furthermore, it is agreed that Wharton Smith will be liable to pay Liquidated Damages in the amount of \$1,000.00 per calendar day for each day beyond the specified durations in the event that completion is not achieved.

We appreciate being given the opportunity to assist the Village of Wellington with this important project.

Respectfully,

Gregory L. Williams
South Florida – Water/Wastewater Division Manager



COST PROPOSAL

Wellington WWTP Aeration Basin No. 3 Repairs

PROPOSAL SUMMARY

Revision 00

| # | DESCRIPTION | NOTES |
|----|---|----------------------|
| 1 | Furnish all necessary labor, materials, tools, equipment and supervision required to repair structural damage to the Process Aeration Basin No. 3 as detailed in the documents provided by Hazen & Sawyer | |
| 2 | | |
| 3 | | |
| 4 | | |
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| 9 | | |
| 10 | The duration for the work outlined in this proposal is 60 calendar days. | |
| 11 | The Contract Time Extension due to this <u>Change Order</u> is <u>TO BE DETERMINED</u> calendar days. | |
| 12 | MATERIALS | TOTAL |
| 13 | From Page 2 | \$ 23,800.00 |
| 14 | Tax 7.00% | \$ 1,666.00 |
| 15 | Markup 10.0% | \$ 2,546.60 |
| 16 | | \$ 28,012.60 |
| 17 | | |
| 18 | LABOR | HRS |
| 19 | From Page 3 | 1056 |
| 20 | Markup 10.0% | \$ 8,424.00 |
| 21 | | \$ 92,664.00 |
| 22 | | |
| 23 | TOOLS & EQUIPMENT | TOTAL |
| 24 | From Page 4 | \$ 28,222.80 |
| 25 | Tax 7.00% | \$ 1,975.60 |
| 26 | Markup 10.0% | \$ 3,019.84 |
| 27 | | \$ 33,218.24 |
| 28 | | |
| 29 | SUBCONTRACTS | TOTAL |
| 30 | From Page 5 | \$ 20,040.00 |
| 31 | | \$ - |
| 32 | | |
| 33 | | |
| 34 | Subtotal | \$ 20,040.00 |
| 35 | Markup 10.0% | \$ 2,004.00 |
| 36 | | \$ 22,044.00 |
| 37 | | |
| 38 | OTHER | QTY |
| 40 | Insurance | 0.45% |
| 41 | Bond | 0.55% |
| 42 | Subtotal | \$ 1,763.74 |
| 43 | Markup 10.0% | \$ 1,763.74 |
| 44 | | \$ 1,940.12 |
| 45 | | |
| 46 | FINAL QUOTE TOTAL | TOTAL |
| 47 | | \$ 177,879.00 |
| 48 | | |
| 49 | | \$ 177,879.00 |



COST PROPOSAL

Wellington WWTP Aeration Basin No. 3 Repairs

MATERIAL ESTIMATE

| # | MATERIALS | INV | QTY | UNIT | UNIT RATE | TOTAL | NOTES |
|----|-----------------------|-----|-----|------|--------------|--------------|----------|
| 1 | | | | | | \$ - | |
| 2 | Concrete | | 90 | CY | \$ 150.00 | \$ 13,500.00 | Estimate |
| 3 | Rebar | | 3 | TON | \$ 850.00 | \$ 2,125.00 | Estimate |
| 4 | Grout Mix (50-lb bag) | | 25 | Bags | \$ 15.00 | \$ 375.00 | Estimate |
| 5 | Stiffener Bracket | | 1 | EA | \$ 800.00 | \$ 800.00 | Estimate |
| 6 | Expoxy | | 4 | Case | \$ 500.00 | \$ 2,000.00 | Estimate |
| 7 | Wood & Accessories | | 1 | LS | \$ 5,000.00 | \$ 5,000.00 | Estimate |
| 8 | | | | | | \$ - | |
| 9 | | | | | | \$ - | |
| 10 | | | | | | \$ - | |
| 11 | | | | | | \$ - | |
| 12 | | | | | | \$ - | |
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| 14 | | | | | | \$ - | |
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| 29 | | | | | | \$ - | |
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| 31 | | | | | | \$ - | |
| 32 | | | | | | \$ - | |
| 33 | | | | | | \$ - | |
| 34 | | | | | | \$ - | |
| 35 | | | | | | \$ - | |
| 36 | | | | | | \$ - | |
| 37 | | | | | | \$ - | |
| 38 | MATERIAL SUBTOTAL | | | | | TOTAL | |
| 39 | | | | | | \$ 23,800.00 | |
| 40 | | | | | \$ 23,800.00 | | |



COST PROPOSAL

Wellington WWTP Aeration Basin No. 3 Repairs

LABOR ESTIMATE

Revision 00

| # | LABOR | HRS | | RATE | | COST | | | NOTES |
|----|--------------------------|-------|-----|----------|------|--------------|-------------|--------------|-------|
| | | ST | OT | ST | OT | ST | OT | TOTAL | |
| 1 | Project Superintendent | 320 | | \$ 85.00 | | \$ 27,200.00 | \$ - | \$ 27,200.00 | |
| 2 | Foreman | 160 | | \$ 55.00 | | \$ 8,800.00 | \$ - | \$ 8,800.00 | |
| 3 | Heavy Equipment Operator | 56 | | \$ 50.00 | | \$ 2,800.00 | \$ - | \$ 2,800.00 | |
| 4 | Gen Laborers (3 man) | 208 | | \$ 90.00 | | \$ 18,720.00 | \$ - | \$ 18,720.00 | |
| 5 | Gen Laborers (2 man) | 152 | | \$ 60.00 | | \$ 9,120.00 | \$ - | \$ 9,120.00 | |
| 6 | | | | | \$ - | \$ - | \$ - | \$ - | |
| 7 | | | | | \$ - | \$ - | \$ - | \$ - | |
| 8 | | | | | \$ - | \$ - | \$ - | \$ - | |
| 9 | | | | | \$ - | \$ - | \$ - | \$ - | |
| 10 | | | | | \$ - | \$ - | \$ - | \$ - | |
| 11 | | | | | \$ - | \$ - | \$ - | \$ - | |
| 12 | | | | | \$ - | \$ - | \$ - | \$ - | |
| 13 | | | | | \$ - | \$ - | \$ - | \$ - | |
| 14 | | | | | \$ - | \$ - | \$ - | \$ - | |
| 15 | | 896.0 | 0.0 | | | \$ 66,640.00 | \$ - | | |
| 16 | | 896 | | | | | | \$ 66,640.00 | |
| 17 | | | | | | | | | |
| 18 | PROJECT MANAGEMENT | | | | HRS | | RATE / HR | TOTAL | |
| 19 | Project Manager | | | | 160 | | \$ 110.00 | \$ 17,600.00 | |
| 20 | | | | | 160 | | | \$ 17,600.00 | |
| 21 | | | | | | | | | |
| 22 | LABOR SUBTOTAL | | | | | HRS | AVG \$ / HR | TOTAL | |
| 23 | Manhours | 896 | 0.0 | 160 | | 1,056 | \$ 79.77 | \$ 84,240.00 | |
| 24 | | | | | | 1,056 | | | |
| 25 | | | | | | | \$ | 84,240.00 | |
| 26 | | | | | | | | | |



COST PROPOSAL
Wellington WWTP Aeration Basin No. 3 Repairs
EQUIPMENT ESTIMATE

Revision 00

| # | TOOLS | DESCRIPTION | REF | | RATE | TOTAL | |
|----|--------------------|---------------------------|-----------|------|--------------|--------------|--|
| 1 | Small Tools | 4% Labor Cost | \$ 84,240 | | 4% | \$ 3,369.60 | |
| 2 | Consumables | \$1.00 / Labor Hr | 1,056.0 | | \$ 1.00 | \$ 1,056.00 | |
| 3 | Hotel & Per Diem | | 21 | | \$ 250.00 | \$ 5,250.00 | |
| 4 | | | | | | \$ 9,675.60 | |
| 5 | | | | | | | |
| # | EQUIPMENT | DESCRIPTION | QTY | UNIT | RATE | TOTAL | |
| 7 | Pickup Truck | | 60.0 | Day | \$ 43.50 | \$ 2,610.00 | |
| 8 | Compactor | | | Day | \$ 350.00 | \$ - | |
| 9 | Backhoe/Loader | | 30.0 | Day | \$ 465.00 | \$ 13,950.00 | |
| 10 | Manlift | | | Day | \$ 450.00 | \$ - | |
| 11 | Generator | | | Day | \$ 68.50 | \$ - | |
| 12 | | | | | | \$ 16,560.00 | |
| 13 | | | | | | | |
| # | RENTALS | DESCRIPTION | QTY | UNIT | RATE | TOTAL | |
| 15 | Welder | | - | Day | \$ 74.80 | \$ - | |
| 16 | Dewatering System | | - | Day | \$ 245.00 | \$ - | |
| 17 | Trench Box | | - | Day | \$ 175.00 | \$ - | |
| 18 | Vac Truck | | | Day | \$ 575.00 | \$ - | |
| 19 | Backhoe | | | Day | \$ 465.00 | \$ - | |
| 20 | Concrete Pump | | | Day | \$ 960.00 | \$ - | |
| 21 | Excavator | | - | Day | \$ 465.00 | \$ - | |
| 22 | 40 Ton Hydro Crane | | - | Day | \$ 1,700.00 | \$ - | |
| 23 | Core Drill | | | Day | \$ 85.00 | \$ - | |
| 24 | | | | | | \$ - | |
| 25 | | | | | | | |
| # | FUEL | DESCRIPTION | | Rate | REF | TOTAL | |
| 27 | Equipment Fuel | 12% Fueled Equipment Cost | | 12% | \$ 16,560.00 | \$ 1,987.20 | |
| 28 | | | | | | \$ 1,987.20 | |
| 29 | | | | | | | |
| 30 | | | | | | | |
| 31 | EQUIPMENT SUBTOTAL | | | | | TOTAL | |
| 32 | | | | | | \$ 28,222.80 | |
| 33 | | | | | | | |
| 34 | | | | | \$ | 28,222.80 | |



COST PROPOSAL

Wellington WWTP Aeration Basin No. 3 Repairs

SUBCONTRACT ESTIMATE

Revision 00

| # | SUBCONTRACTOR | SCOPE | INV | TOTAL | NOTES |
|----|----------------------|-----------------------------------|-----|--------------|----------|
| 1 | Crom, LLC | Concrete Restoration and Coatings | | \$ 16,540.00 | |
| 2 | | Concrete Testing | | \$ 3,500.00 | estimate |
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| 38 | SUBCONTRACT SUBTOTAL | | | TOTAL | |
| 39 | | | | \$ 20,040.00 | |
| 40 | | | \$ | 20,040.00 | |

| Labor Breakdown | | | | Hours | | | | | | | |
|--|----------|------|-----------------|-----------------|----------------|---------|--------------------------|----------------------|----------------------|---|--------|
| | Quantity | Unit | Duration (Days) | Project Manager | Superintendent | Foreman | Heavy Equipment Operator | Gen Laborers (3 man) | Gen Laborers (2 man) | | Totals |
| GC's and Coordination | | | 60 | 160 | 320 | 0 | | | | | 480 |
| Aeration Basin - East Wall | | | | | | 160 | | | | | 160 |
| Drill & epoxy #6 Dowel Hooks (+/- 425 each) | | | 4 | | | | | | 8 | | 32 |
| Drill & epoxy #4 Vertical dowels in existing footer (+/- 170 each) | | | 2 | | | | | | 8 | | 16 |
| Erect wall forms and bracing | | | 5 | | | | | 8 | | | 40 |
| Place concrete | | | 1 | | | | 8 | 8 | 8 | | 24 |
| Stripe wall forms; point & patch wall | | | 5 | | | | | 8 | 0 | | 40 |
| Finish wall | | | 2 | | | | | 8 | 0 | | 16 |
| Aeration Basin - West Walls | | | | | | | | | | | 0 |
| Drill & epoxy #6 Dowel Hooks (+/- 326 each) | | | 3 | | | | | | 8 | | 24 |
| Drill & epoxy #4 Vertical dowels in existing footer (+/- 130 each) | | | 2 | | | | | | 8 | | 16 |
| Erect wall forms and bracing | | | 5 | | | | | 8 | | | 40 |
| Place concrete | | | 1 | | | | 8 | 8 | 8 | | 24 |
| Stripe wall forms; point & patch wall | | | 5 | | | | 0 | 8 | | | 40 |
| Finish wall | | | 2 | | | | | 8 | 0 | | 16 |
| | | | | | | | | | | | 0 |
| Site Work | | | | | | | | | | | 0 |
| Install Stiffener Bracket | | | 1 | | | | | | 8 | | 8 |
| Clean up & restoration | | | 5 | | | | 8 | | 8 | | 80 |
| | | | | | | | | | | | 0 |
| | | | | 160 | 320 | 160 | 56 | 208 | 152 | 0 | 1056 |

Village of Wellington – Aeration Basin 3 Emergency Repairs

Bid Item Sheet

| <u>Item</u> | <u>Description</u> | <u>Unit</u> | <u>Est. Qty</u> | <u>Unit Price</u> | <u>Extended Total Price</u> |
|-------------|---|-------------|---------------------|-------------------|---------------------------------|
| 1 | Furnish and install concrete walls | LS | 1 | \$130,473 | \$130,473 |
| | | | | | |
| 2 | Furnish and install metal bracket at bottom face of beam | LS | 1 | \$2,500 | \$2,500 |
| | | | | | |
| 3 | Type 1 concrete patch repair, including recoating | SF | 20 | \$110 | \$2,200 |
| | | | | | |
| 4 | Type 2 concrete patch repair (exposed reinforcement), including recoating | SF | 20 | \$398 | \$7,960 |
| | | | | | |
| 5 | Crack injection at beam | LF | 10 | \$154 | \$1,540 |
| | | | | | |
| 6 | All other general requirements, including <ul style="list-style-type: none"> • Mobilization/demobilization • Site restoration • General conditions • Bonds and insurance • Permits • Material Testing | LS | 1 | \$33,206 | \$33,206 |
| | | | | | |
| 7 | Owner Controlled Contingency Allowance | | | | \$ |
| | | | | | |
| | Total Bid Amount | | | | \$177,879 |