

ST. PETERSBURG CITY COUNCIL

Meeting of June 1, 2017

REPORT

TO: The Honorable Darden Rice, Chair, and Members of City Council

SUBJECT: A resolution approving a partial control estimate #1 for WRF NW Construction Manager FY17 Project (Engineering No. 17063-111; Oracle No. 15960) for PCL Construction, Inc.'s extended general conditions in an amount not to exceed \$1,324,752 for a four month duration (May 1 through August 31); authorizing payment to PCL Construction, Inc. ("PCL") in an amount not to exceed \$697,000 for the premiums and costs for bonds and insurance required by the Construction Manager Contract between the City of St. Petersburg, Florida and PCL dated April 17, 2017, as amended ("CM Contract") (WRF NW Construction Manager FY17 Project, Engineering No. 17063-111; Oracle No. 15960); authorizing the Mayor or his designee to execute the Second Amendment to incorporate the above referenced Partial Control Estimate into the CM Contract and modify other necessary sections of the CM Contract; rescinding an unencumbered appropriation in the amount of \$1,000,000 from the Water Resources Capital Projects Fund (4003), COS Optimization Construction FY17 Project (Oracle No. 15783); approving a supplemental appropriation in the amount of \$1,000,000 from the unappropriated balance of the Water Resources Capital Projects Fund (4003), resulting from the above rescission, to the WRF NW Construction Manager FY17 Project (Engineering No. 17063-111; Oracle No. 15960); approving a supplemental appropriation in the amount of \$244,740 from the unappropriated balance of the Water Resources Capital Projects Fund (4003) to the WRF NW Construction Manager FY17 Project (Engineering No. 17063-111; Oracle No. 15960); and providing an effective date.

EXPLANATION: On April 17, 2017 City Council approved a Construction Manager Contract ("CM Contract") with PCL Construction Inc. ("PCL") for preconstruction and construction services for the Projects described in the CM Contract to increase treatment, disposal and capacity to handle peak wastewater flows during wet weather events at the Northwest Water Reclamation Facility.

The initial CM Contract included:

- Control Estimates for:
 - WRF NW Construction Manager FY17 (Engineering No. 17063-111; Oracle No. 15960)
 - Pre-Construction Services
 - WRF NW New Filters FY17 (Engineering No. 17052-111; Oracle No. 15926)
 - Filter Piping Construction

On May 18, 2017, City Council approved the First Amendment to the CM Contract, which incorporated Partial Control Estimate #2 for WRF NW New Filters FY17 (Engineering No. 17052-111; Oracle No. 15926) and (ii) Partial Control Estimate # 1 for WRF NW New Injection Wells FY17 Project (Engineering No. 17053-11; Oracle No. 15927). The First Amendment included:

- WRF NW New Filters FY17 Project (Engineering No. 17052-111; Oracle No. 15926)
 - UG/AG Piping and Appurtenances Installation
 - Backwash System
 - Pump Station and Piping Installation
 - Concrete structure for filtration system
 - Influent and & Effluent tie in at Existing Filter Structure

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E-2(c)

- WRF NW New Injection Wells FY17 Project (Engineering No. 17053-111; Oracle No. 15927)
 - Procurement of Effluent Disposal Pumps
 - Acidization of IW-1 and IW-2

The Second Amendment in the amount of \$2,021,752 is for:

- WRF NW Construction Manager FY17 (Engineering No. 17063-111; Oracle No. 15960)
 - Continuing General Conditions Services from May 1, 2017 through August 31st, 2017
 - Bonds (based on \$20M)
 - Builders Risk/GL Insurances

The table below provides details of the Contract Costs approved to date and the additional Control Estimate Costs (Second Amendment) with their respective funding source(s).

	WRF NW New Filters FY17	WRF NW New Injection Wells FY17	WRF NW Construction Manager FY17	Totals
Project Numbers	17052-111; 15926	17053-111; 15927	17063-111; 15960	
Original Contract				
Contract Cost	\$2,251,253	\$0	\$407,175	\$2,658,428
Admin/CEI Cost	\$341,176	\$105,000	\$50,000	\$496,176
Subtotal	\$2,592,429	\$105,000	\$457,175	\$3,154,604
Amendment #1				
Contract Cost	\$ 1,642,258	\$ 1,115,113	\$0	\$ 2,757,371
Admin/CEI Cost				
SubTotal	\$ 1,642,258	\$ 1,115,113	\$0	\$ 2,757,371
Amendment #2				
Contract Cost	\$0	\$0	\$2,021,752	\$ 2,021,752
Admin/CEI Cost				
SubTotal	\$0	\$0	\$2,021,752	\$ 2,021,752
Total Funding Source	\$0	\$0	WRF \$777,012 Appr. \$1,244,740	WRF \$777,012 Appr. \$1,244,740
TOTAL CONSTR. COST	\$ 4,234,687	\$ 1,220,113	\$ 2,478,927	\$ 7,933,727
<i>Total PCL Costs</i>	<i>\$ 3,893,511</i>	<i>\$ 1,115,113</i>	<i>\$ 2,428,927</i>	<i>\$ 7,437,551</i>

Control Estimates are construction cost estimates and each estimate package includes an owner allowance. PCL shall prepare bid packages and solicit quotes for various scopes of work included in each control estimate package.

RECOMMENDATION: Administration recommends City Council approve the attached resolution approving a Second Amendment, not to exceed \$2,021,752; authorizing the Mayor or his designee to execute the Second Amendment and all other necessary documents.

COST/FUNDING/ASSESSMENT INFORMATION: A portion of the funding has already been


appropriated (\$777,012) in the Water Resources Capital Projects Fund (4003) in the amount of \$777,012 in the WRF NW Construction Manager FY17 Project (Oracle No. 15960). Additional funding will be available after the rescission of an unencumbered appropriation in the amount of \$1,000,000 from the Water Resources Capital Projects Fund (4003), COS Optimization Construction FY17 Project (Oracle No. 15783); the approval of a supplemental appropriation in the amount of \$1,00,000 from the unappropriated balance of the Water Resources Capital Projects Fund (4003), resulting from the above rescission, to the WRF NW Construction Manager FY17 Project (Engineering No. 17063-111; Oracle No. 15960); and the approval of a supplemental appropriation in the amount of \$244,740 from the unappropriated balance of the Water Resources Capital Projects Fund (4003) to the WRF NW Construction Manager FY17 Project (Engineering No. 17063-111; Oracle No. 15960).

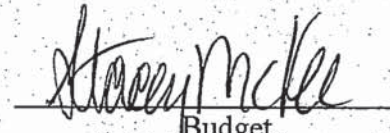
ATTACHMENTS: Resolution

APPROVALS:

Final

00324413


Administrative
for Claude Tankersley


Budget

RESOLUTION NO. 2017-__

A RESOLUTION APPROVING A PARTIAL CONTROL ESTIMATE #1 FOR WRF NW CONSTRUCTION MANAGER FY17 PROJECT (ENGINEERING NO. 17063-111; ORACLE NO. 15960) FOR PCL CONSTRUCTION, INC.'S EXTENDED GENERAL CONDITIONS IN AN AMOUNT NOT TO EXCEED \$1,324,752 FOR A FOUR MONTH DURATION (MAY 1 THROUGH AUGUST 31); AUTHORIZING PAYMENT TO PCL CONSTRUCTION, INC. ("PCL") IN AN AMOUNT NOT TO EXCEED \$697,000 FOR THE PREMIUMS AND COSTS FOR BONDS AND INSURANCE REQUIRED BY THE CONSTRUCTION MANAGER CONTRACT BETWEEN THE CITY OF ST. PETERSBURG, FLORIDA AND PCL DATED APRIL 17, 2017, AS AMENDED ("CM CONTRACT") (WRF NW CONSTRUCTION MANAGER FY17 PROJECT, ENGINEERING NO. 17063-111; ORACLE NO. 15960); AUTHORIZING THE MAYOR OR HIS DESIGNEE TO EXECUTE THE SECOND AMENDMENT TO INCORPORATE THE ABOVE REFERENCED PARTIAL CONTROL ESTIMATE INTO THE CM CONTRACT AND MODIFY OTHER NECESSARY SECTIONS OF THE CM CONTRACT; RESCINDING AN UNENCUMBERED APPROPRIATION IN THE AMOUNT OF \$1,000,000 FROM THE WATER RESOURCES CAPITAL PROJECTS FUND (4003), COS OPTIMIZATION CONSTRUCTION FY17 PROJECT (ORACLE NO. 15783); APPROVING A SUPPLEMENTAL APPROPRIATION IN THE AMOUNT OF \$1,000,000 FROM THE UNAPPROPRIATED BALANCE OF THE WATER RESOURCES CAPITAL PROJECTS FUND (4003), RESULTING FROM THE ABOVE RESCISSION, TO THE WRF NW CONSTRUCTION MANAGER FY17 PROJECT (ENGINEERING NO. 17063-111; ORACLE NO. 15960); APPROVING A SUPPLEMENTAL APPROPRIATION IN THE AMOUNT OF \$244,740 FROM THE UNAPPROPRIATED BALANCE OF THE WATER RESOURCES CAPITAL PROJECTS FUND (4003) TO THE WRF NW CONSTRUCTION MANAGER FY17 PROJECT (ENGINEERING NO. 17063-111; ORACLE NO. 15960); AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the City of St. Petersburg, Florida ("City") and PCL Construction, Inc. ("PCL") executed a Construction Manager Contract ("CM Contract") on April 17, 2017, for PCL to provide preconstruction and construction services for the Projects described in the CM Contract to increase treatment, disposal and capacity to handle peak wastewater flows during wet weather events at the Northwest Water Reclamation Facility; and

WHEREAS, following execution of the CM Contract, the City authorized PCL to (i) provide the preconstruction services in an amount not to exceed \$407,175 and (ii) commence work on WRF NW New Filters FY17 (Engineering No. 17052-111; Oracle No. 15926) pursuant to a Partial Control Estimate attached to the CM Contract; and

WHEREAS, on May 18, 2017, the City Council approved the First Amendment to the CM Contract, which incorporated Partial Control Estimate #2 for WRF NW New Filters FY17

(Engineering No. 17052-111; Oracle No. 15926) and (ii) Partial Control Estimate # 1 for WRF NW New Injection Wells FY17 Project (Engineering No. 17053-11; Oracle No. 15927) into the CM Contract; and

WHEREAS, in accordance with the requirement set forth in the CM Contract (as amended), PCL has submitted Partial Control Estimate # 1 for WRF NW New Injection Wells FY17 Project (Engineering No. 17063-111; Oracle No. 15960) for PCL's extended general conditions for a four month duration (May 1 through August 31) and the not to exceed amount for the premiums and costs for bond and insurance required by the CM Contract; and

WHEREAS, the City desires to execute the Second Amendment to the CM Contract (as amended) with PCL to incorporate the above referenced Partial Control Estimate into the CM Contract (as amended) and modify other necessary sections of the CM Contract (as amended).

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of St. Petersburg, Florida that Partial Control Estimate #1 WRF NW Construction Manager FY17 Project (Engineering No. 17063-111; Oracle No. 15960) for PCL Construction, Inc.'s extended general conditions in an amount not to exceed \$1,324,752 for a four month duration (May 1 through August 31) is hereby approved.

BE IT FURTHER RESOLVED that payment to PCL Construction, Inc. ("PCL") in an amount not to exceed \$697,000 for the premiums and costs for bonds and insurance required by the Construction Manager Contract between the City of St. Petersburg, Florida and PCL dated April 17, 2017, as amended ("CM Contract").

BE IT FURTHER RESOLVED that the Mayor or his designee is authorized to execute the Second Amendment to incorporate the above referenced Partial Control Estimate into the CM Contract and modify other necessary sections of the Contract.

BE IT FUTHER RESOLVED that the appropriation in the amount of \$1,000,000 in the Water Resources Capital Project Fund (4003) from the COS Optimization Construction FY17 Project (15783) is hereby rescinded.

BE IT FUTHER RESOVED that there is hereby approved from the unappropriated balance of the Water Resources Capital Project Fund (4003), resulting from the above rescission, the following supplemental appropriation for Fiscal Year 2017:

Water Resources Capital Project Fund (4003)

WRF NW Construction Manager FY17-Project (Oracle No. 15960) \$1,000,000

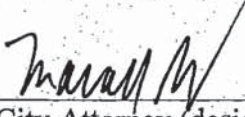
BE IT FUTHER RESOVED that there is hereby approved from the unappropriated balance of the Water Resources Capital Project Fund (4003) the following supplemental appropriation for Fiscal Year 2017:

Water Resources Capital Project Fund (4003)

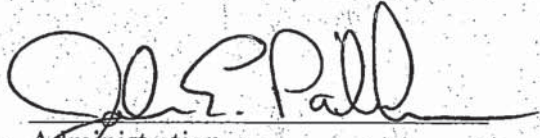
WRF NW Construction Manager FY17 Project (Oracle No. 15960) \$244,740

This resolution shall become effective immediately upon its adoption.

APPROVALS:



City Attorney (designee)



Administration
for Claude Tankersley



Budget

00324414



April 28, 2017

Mr. Brejesh Prayman
Mr. Mike Ryle
City of St. Petersburg
MCS, 6th Floor
One 4th St. N
St. Petersburg, FL 33701

Re: **Construction Manager – City of St. Petersburg NWWRF Wet Weather Capacity Upgrades
Partial Control Estimate #1 for Project 17053-111: NWWRF Reclaimed Water & Injection
Wells Improvements**

**Sub-Project #1 Effluent Disposal Pumps: Diesel Driven Effluent Disposal Pump
Procurement Only**

Sub-Project #2 Well Acidization: Acidization of IW-1 and IW-2

Dear Mr. Prayman & Mr. Ryle,

PCL Construction, Inc. has prepared a Partial Control Estimate #1 for Project 17053-111 Reclaimed Water and Injection Wells Improvement, which is designed to provide additional effluent disposal capacity and, in conjunction with Project 17052-111 NWWRF Effluent Filtration Improvements, will allow for improved filtration treatment capacity along with the additional effluent disposal capacity at the City of St. Petersburg's NWWRF.

Based on the 90% design information that is currently available, this Partial Control Estimate #1 is based on discussions and design data developed between CH2M, the City of St. Petersburg and PCL staff in order to determine an anticipated scope for the NWWRF wet weather capacity upgrades project. PCL has included all design, preliminary, and conceptual level information that was utilized to prepare this partial control estimate.

This Partial Control Estimate #1 is for the procurement of the long lead Effluent Disposal Pumps only and for Acidization of existing injection wells IW-1 and IW-2 at the NWWRF.

A future Control Estimate is anticipated to encompass the remaining scope of work that will be available at 100% design completion. This is anticipated to include but is not limited to: Piping, Mechanical, Concrete, Structural, Sitework, Electrical, Instrumentation & Controls, Paint and Coatings, Landscape, and any other items necessary to provide a functional and integrated Effluent Disposal Pump Station System.

PCL CONSTRUCTION, INC.
3810 Northdale Blvd, Suite 160 Tampa, FL 33624
813.425.1440 Phone ~813.961.1575 Fax
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The details for the procurement of the effluent disposal pumps and existing injection well Acidization are defined below.

Effluent Disposal Pumps

SCOPE:

The scope of this project is comprised of items identified and provided by the 90% design drawings developed by CH2M, PCL and City of St. Petersburg staff and will provide a Temporary Effluent Disposal Pump Station System to the existing plant infrastructure that will potentially help add disposal capacity during the upcoming wet weather season.

The estimated cost is for the long lead effluent disposal pumps procurement only at this time. Once design has progressed to 100% by CH2M, PCL will submit the estimate of the remaining costs to construct this sub-project package. This portion of the partial control estimate is funding to procure the long lead diesel driven effluent disposal pumps and accessories. Early procurement of this material will coincide with the anticipated Injection Well Subcontract completion and the installation of the piping, valves, equipment and accessories. This will result in shortening the overall schedule for this sub-project.

SCHEDULE:

Based on receiving a 100% design from CH2M by May 5th, and the anticipated completion of the Injection Well Subcontract being late August to mid-September 2017, the projected functional completion for this sub-project would be late August 2017.

Sub-project Timeframe:

Preliminary Shop Drawings	April 21 st , 2017
Final Supplier Pricing	April 28 th , 2017
Final CH2M Design	May 5 th , 2017
City Council Approval	May 18 th , 2017
PCL PO Issued to City for ODP	May 19 th , 2017
Final Shop Drawings	May 25 th , 2017
Engineer Approval	June 1 st , 2017
Fabrication and Delivery (8-9 weeks)	August 1 st , 2017
Installation (2-4 weeks)	August 30 th , 2017
Substantial Completion to be at a later date	TBD

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Injection Well Acidization

SCOPE:

The scope of this project is to acidize the existing injection wells to maximize the capacity of available effluent disposal of the system. The estimated pricing includes mobilization, site and safety preparation at each injection well site, temporary site fencing and site safety control at each injection well location, Acidization emplacement of approximately 25,000 gallons of acid at each injection well, cleanup and restoration at each injection well location, flushing of the wells, and returning the wells into service.

SCHEDULE:

Based on receiving a city council approval on May 18th, the anticipated completion of the Injection Well Acidization is June 16th, 2017.

Sub-project Timeframe:

City Council Approval	May 18 th , 2017
Issue Field Work Order	May 22 nd , 2017
Mobilization	May 24 th , 2017
Commence Acidization of IW-1	May 29 th , 2017
Commence Acidization of IW-2	June 7 th , 2017
Anticipated Completion	June 16 th , 2017
Substantial Completion to be at a later date	TBD

SUMMARY OF PARTIAL CONTROL ESTIMATE #1 COSTS:

Sub-Project #1 Effluent Disposal Pumps: NWWRF Reclaimed Water & Injection Wells Improvements – Diesel Driven Effluent Disposal Pump Procurement Only

Price of Work	\$ 740,175
Contingency	\$ 37,009
Construction Manager Fee (6%)	\$ 46,631
Total for Sub-Project #1	<u>\$ 823,815</u>

Sub-Project #2 Well Acidization: NWWRF Reclaimed Water & Injection Wells Improvements – Acidization of IW-1 and IW-2

Price of Work	\$ 274,809
Contingency	\$ 0
Construction Manager Fee (6%)	\$ 16,489
Total for Sub-Project #2	<u>\$ 291,298</u>

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Total Partial Control Estimate #1 for Project No. 17053-111: \$ 1,115,113

This Partial Control Estimate is based upon the attached clarifications and assumptions document, attached billable rate matrix, attached drawings and/or sketches provided by the applicable engineer, and preliminary field investigations conducted by PCL personnel.

If you have any questions regarding this Partial Control Estimate or need additional information, please feel free to contact me at (727) 224-1933.

Respectfully,

A handwritten signature in dark ink, appearing to be "Richard Hewitt", written over a horizontal line.

*Andrew Franosz
signed on behalf
of Richard Hewitt*

Richard Hewitt
Area Manager - Water Infrastructure Group

Cc: Tom O'Donnell
Mauricio Ramos
Craig Yakubow
Shawn Britton
Andrew Franosz

Attachments: Budget Estimate
Clarifications and Assumptions Document
Billable Rate Matrix
Drawings and Specification used for Pricing

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CITY OF ST PETERSBURG NWWRF CM WET WEATHER CAPACITY IMPROVEMENTS PROJECT

Clarifications and Assumptions:

The following clarifications and assumptions are based on information currently available from the City of St Petersburg and their representative consultants. These clarifications and assumptions are applicable to the provided Partial Control Estimate #1 and for the NWWRF Wet Weather Capacity Improvement Projects (17053-111 Reclaimed Water & Injection Wells Improvements):

1. The price assumes that construction and testing water, and electrical consumption during construction, startup and testing through commissioning is assumed to be available for PCL's use at no cost. The price excludes all costs for initial fill of chemicals, fuel, and expendables for startup, testing and commissioning.
2. PCL is not responsible for any Geotechnical Subsurface reports or studies, none have been provided by the City or its Consultants at this time. With no geotechnical information having been provided at this time, it is assumed that the native materials will be suitable for pipe bedding and backfill without processing. It is also assumed that the native material is suitable for all structural backfill.
3. Any costs associated with unidentified subsurface conditions encountered during the course of the construction will not be the liability of PCL and will be reflected in future Control Estimates.
4. Pipe pricing is based on discussions and preliminary drawings provided by the city and its associated consultants. It is understood that the piping configuration may change and this will reflect in future Control Estimates.
5. Any additional changes in the scope of work that may occur from the current 90% design progressing to final 100% completion will be reflected in future Control Estimates.
6. PCL will provide the City of St Petersburg a copy of our general Site Safety Program.
7. Both parties shall agree to comply with the mutual parties safety programs.
8. PCL will comply with all site security requirements that are in place.
9. PCL will not be responsible for EPA Storm Water maintenance.
10. It is assumed that site dewatering can be discharged to the existing onsite storm water management structure.
11. The price includes completion of application for all applicable permits with the exception of the Storm Water Pollution permit, NPDES, and Wastewater Discharge permit. All actual permit fees or required inspections will be billed.

12. PCL will only be responsible for site clean-up and restoration in the immediate work areas and storage areas that will be used for the completion of the scope of work described.
13. This control estimate does not include any budgetary pricing for hazardous materials. Any hazardous materials encountered at the site of the Projects will be governed by section 10.3 of the A201 – 2007 AIA Contract Document.
14. It is assumed that plant access roads can be shut down for installation of construction work with reasonable notice to the owner.
15. PCL assumes that the shutdown of the existing filter #5 is acceptable for construction of the effluent filter connection structure with reasonable notice to the owner.
16. PCL assumes that the shutdown and bypass of the existing fine screening facility is acceptable for construction of the influent filter connection with reasonable notice to the owner.
17. Any potential contractors that are currently onsite or that will be onsite, are to be instructed by the city to not store any and/or move all material, equipment and temporary facilities from the areas of work required for the Wet Weather Capacity Improvements Projects.
18. If the City or any of its subcontractors plan shutdowns and/or closures they will notify PCL prior to that scope of work commencing.
19. The following scope of work and any associated management costs are not included in this Control Estimate:
 - Piping Supply and Installation
 - Mechanical Work
 - Concrete and Structural Work
 - Equipment Installation
 - Electrical work
 - Instrumentation and Controls
 - Start-up and Commissioning
 - Service water
 - Paint and Coatings
 - Landscaping

This scope of work will be provided in future Control Estimates.

ATTACHED IS THE CURRENT DRAFT OF THE SECOND AMENDMENT TO THE CONSTRUCTION MANAGER CONTRACT BETWEEN THE CITY AND PCL CONSTRUCTION, INC. DATED APRIL 17, 2017, AS AMENDED, THAT WILL BE DISCUSSED AT THE JUNE 1, 2017, CITY COUNCIL MEETING.

SECOND AMENDMENT

THIS SECOND AMENDMENT ("Second Amendment") is made and entered into on this ____ day of May, 2017 by and between the City of St. Petersburg, Florida ("City" or "Owner") and PCL Construction Inc. ("Construction Manager").

WHEREAS, the Owner and Construction Manager executed a Construction Manager Contract on April 17, 2017, for Construction Manager to provide preconstruction and construction services for the Projects described in the Contract to increase treatment, disposal and capacity to handle peak wastewater flows during wet weather events at the Northwest Water Reclamation Facility; and

WHEREAS, following execution of the Contract, the Owner authorized Construction Manager to (i) provide the preconstruction services in an amount not to exceed \$407,175 and (ii) commence work on Project No. 17052-111 NWWRF Effluent Filtration Improvements pursuant to a Partial Control Estimate; and

WHEREAS, on May __, 2017, the City and Construction Manager executed the First Amendment to the Construction Manager Contract; and

WHEREAS, the Construction Manager Contract dated April 17, 2017, as amended by the First Amendment (and all the contract documents) is referred to herein as the "Contract"; and

WHEREAS, in accordance with the requirement set forth in the Contract, Construction Manager has submitted Partial Control Estimate # 1 for Construction Manager's extended general conditions for a four month duration (May 1 through August 31) and the not to exceed amount for the premiums and costs for bond and insurance required by the Contract; and

WHEREAS, the City and Construction Manager desires to execute the Second Amendment to the Contract with Construction Manager to incorporate the above referenced Partial Control Estimate into the Contract and modify other necessary sections of the Contract.

NOW, THEREFORE, in consideration of the foregoing recitals (which are an integral part of this Second Amendment and are incorporated herein by reference) and the promises and covenants contained herein and other good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, the Owner and Construction Manager hereby agree as follows:

1. All capitalized terms in this Second Amendment shall have the same meaning specified in the Contract unless otherwise set forth herein.
2. §1.1 of the Standard Form of Agreement between Owner and Construction Manager (e.g., Document A134-2009), which is part of Contract, is hereby amended to read as

follows:

§ 1.1 The Contract and Contract Documents

This Agreement (AIA134-2009) and the Contract Documents form the Contract between the Owner and the Construction Manager. The Contract Documents consist of the Conditions of the Contract (General, Supplementary and other Conditions), Drawings, Specifications, the Request for Qualifications, Construction Manager's Statement of Qualifications, other documents listed or referenced in this Agreement or the Contract Documents, and Modifications issued after execution of this Contract. Upon the Owner's approval of the Control Estimate(s) for each Project, the Contract Documents will also include the documents described in Sections 2.2.4, 2.2.5, 2.2.6, 2.2.7 and 2.2.8 and revisions prepared by the Engineers and furnished by the Owner as described in Section 2.2.10. The Contract represents the entire and integrated agreement between the parties hereto and supersedes prior negotiations, representations or agreements, either written or oral.

3. §2.2.8 of the Standard Form of Agreement between Owner and Construction Manager (e.g., Document A134-2009), which is part of Contract, is hereby amended to read as follows:

A partial Control Estimate for Construction Manager's extended general conditions for a duration of four months (May 1, 2017 through August 31, 2017) is set forth in Exhibit H. Since the Projects required to be constructed by the Construction Manager pursuant to the Contract shall exceed four months, this partial Control Estimate may be amended, supplemented or modified provided that such amendment, supplement or modification is approved by City Council and further provided that the Owner and the Construction Manager execute the necessary documents to incorporate such amendment, supplement or modification into the Contract.

4. §2.2.9 of the Standard Form of Agreement between Owner and Construction Manager (e.g., Document A134-2009), which is part of Contract, is hereby amended to read as follows:

§ 2.2.9 Approval of Control Estimate(s) for a Project

The Owner shall notify the Construction Manager in writing when the Owner has accepted a proposed Control Estimate(s) for a Project and once accepted the Owner shall prepare the necessary documents amending the Contract. Following approval by the St. Petersburg City Council, the Owner and Construction Manager shall execute the documents prepared by the City to amend the Contract, which documents shall incorporate the agreed upon Control Estimate(s) for a Project with the information and assumptions upon which it is based and other terms and conditions agreed upon by the parties. Any Control Estimate(s) for a Project may be amended or modified provided

that such amendment or modification is approved by City Council and further provided that the City and the Construction Manager execute the necessary documents to incorporate such amendment or modification to a Control Estimate(s) for a Project. The Construction Manager shall obtain written approval from the Owner in accordance with the Contract terms and conditions prior to using any contingency funds set forth in a Control Estimate(s). Upon Final Completion of a Project, any contingency funds set forth in a Control Estimate(s) which have not been expended shall be disbursed back to the Owner.

5. §2.2.10 is added to Standard Form of Agreement between Owner and Construction Manager (e.g., Document A134-2009), which is part of Contract, to read as follows:

§ 2.2.10 Drawings and Specifications/Clarifications The Owner shall authorize the applicable Engineer to incorporate the agreed-upon assumptions and clarifications contained in the Control Estimate(s) for a Project. The Owner shall promptly furnish those revised Drawings and Specifications to the Construction Manager as they are revised. The Construction Manager shall promptly notify the Owner and applicable Engineer of any inconsistencies between Control Estimate(s) for a Project and the revised Drawings and Specifications.

6. Exhibit H is attached hereto and made a part of the Contract by reference.
7. Any and all provisions of the Contract not specifically amended by this Second Amendment shall remain in full force and effect.

IN WITNESS WHEREOF, the City and Construction Manager have caused this Second Amendment to be executed by their duly authorized representatives on the date first above written.

CITY OF ST. PETERSBURG, FLORIDA

ATTEST

By: _____
Brejesh Prayman, P.E.
Director, Engineering and Capital Improvements

Chandrasasa S. Srinivasa, City Clerk
(SEAL)

Approved as to Form and Content:

City Attorney (Designee)

PCL CONSTRUCTION, INC.:

By: _____

Print: _____

Title: _____
324351

WITNESSES

By: _____

Print: _____

By: _____

Print: _____

EXHIBIT H



April 28, 2017

Mr. Brejesh Prayman
Mr. Mike Ryle
City of St. Petersburg
MCS, 6th Floor
One 4th St. N
St. Petersburg, FL 33701

**Re: Construction Manager – City of St. Petersburg NWWRF Wet Weather Capacity Upgrades
Project No. 17063-111 NWWRF Construction Manager – Partial Control Estimate #1 for
General Conditions Estimated Budget and Fees for Four(4) Months**

Dear Mr. Prayman & Mr. Ryle,

Per your request, PCL Construction, Inc., as the City's Construction Manager for the referenced project, is providing you with this Partial Control Estimate #1 for the general conditions budget to investigate, identify, provide constructability reviews, manage, construct, and deliver projects as they become defined for the City's Wet Weather Capacity Upgrades project needs.

Please find below the final component of PCL's estimated general conditions budget for your review:

1. Construction Manager – General Conditions Budget Pricing \$1,324,752

The Estimated General Conditions budget provided reflects a 4 month duration from May 1st, 2017 thru August 31, 2017 and as discussed a projected Project value of \$20 million dollars. This budgeted general conditions item includes the budget pricing associated with the overall management of the construction phase services. Estimated General Conditions Pricing for a Construction Manager are typically based on the overall anticipated price of work and the overall anticipated timeframe planned to complete the work. Budgeted pricing includes but is not limited to Management staff time (e.g. Construction Managers, Project Managers, Superintendents, Engineers, Estimators, BIM Modelers, HSE Managers, Administrative Assistants and any others that are not directly charged to the price of work), construction trailers, site facilities, travel and subsistence expenses, safety and quality oversight, parking, signage, lighting and any other miscellaneous items that are not included in the direct price of work.

PCL CONSTRUCTION, INC.
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2. Construction Manager Fee

6% on all Pricing

The Construction Manager's Fee is the mark-up added to all construction pricing and general conditions incurred on the project. This fee encompasses PCL's internal overhead and profit on this project.

Total Estimated General Conditions:	\$1,249,766
Construction Manager Fee:	<u>\$ 74,986</u>
Total General Conditions Budget Pricing:	\$1,324,752

If you have any questions regarding this Partial Control Estimate #1 - General Conditions Budget Estimate for Four (4) Months or need additional information, please feel free to contact me at (727) 224-1933.

Respectfully,

*Andrew Franosz
signed on behalf
of Richard Hewitt*

Richard Hewitt
Area Manager - Water Infrastructure Group

Cc: Tom O'Donnell
Mauricio Ramos
Craig Yakubow
Shawn Britton
Andrew Franosz

Attachments:

General Conditions Estimate
Clarifications and Assumptions Document
Billable Rate Matrix

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CITY OF ST PETERSBURG NWWRF CM WET WEATHER CAPACITY IMPROVEMENTS PROJECT

Clarifications and Assumptions:

The following clarifications and assumptions are based on information currently available from the City of St Petersburg and their representative consultants. These clarifications and assumptions are applicable to the provided Partial Control Estimate #1 - General Conditions Estimated Budget and Fees for Four (4) Months for the NWWRF Wet Weather Capacity Improvement Projects (17063-111 NWWRF Construction Manager):

1. The price assumes that construction and testing water, and electrical consumption during construction, startup and testing through commissioning is assumed to be available for PCL's use at no cost. The price excludes all costs for initial fill of chemicals, fuel, and expendables for startup, testing and commissioning.
2. PCL is not responsible for any Geotechnical Subsurface reports or studies, none have been provided by the City or its Consultants at this time. With no geotechnical information having been provided at this time, it is assumed that the native materials will be suitable for pipe bedding and backfill without processing. It is also assumed that the native material is suitable for all structural backfill.
3. Any costs associated with unidentified subsurface conditions encountered during the course of the construction will not be the liability of PCL and will be reflected in future Control Estimates.
4. The price excludes all pricing associated with special studies including but not limited to mitigating Archeological Areas, Historical Architecture, Sensitive Flora/Fauna, and Traffic.
5. Pricing is based on discussions and preliminary drawings provided by the City and its associated consultants. It is understood that the pricing is based on a four (4) month duration as discussed with the City. Any future change in duration need or requirement by the City will reflect in future Control Estimates.
6. Any additional changes in the scope of work that may occur from the current 90% design progressing to final 100% completion will be reflected in future Control Estimates.
7. PCL will provide the City of St Petersburg a copy of our general Site Safety Program.
8. Both parties shall agree to comply with the mutual parties safety programs.
9. PCL will comply with all site security requirements that are in place.
10. PCL will not be responsible for EPA Storm Water maintenance.
11. It is assumed that site dewatering can be discharged to the existing onsite storm water management structure.

12. The price includes completion of application for all applicable permits with the exception of the Storm Water Pollution permit, NPDES, and Wastewater Discharge permit. All actual permit fees or required inspections will be billed.
13. PCL will only be responsible for site clean-up and restoration in the immediate work areas and storage areas that will be used for the completion of the scope of work described.
14. This control estimate does not include any budgetary pricing for hazardous materials. Any hazardous materials encountered at the site of the Projects will be governed by section 10.3 of the A201 – 2007 AIA Contract Document.
15. It is assumed that plant access roads can be shut down for installation of construction work with reasonable notice to the owner.
16. PCL assumes that the shutdown of the existing filter #5 is acceptable for construction of the effluent filter connection structure with reasonable notice to the owner.
17. PCL assumes that the shutdown and bypass of the existing fine screening facility is acceptable for construction of the influent filter connection with reasonable notice to the owner.
18. Any potential contractors that are currently onsite or that will be onsite, are to be instructed by the city to not store any and/or move all material, equipment and temporary facilities from the areas of work required for the Wet Weather Capacity Improvements Projects.
19. If the City or any of its subcontractors plan shutdowns and/or closures they will notify PCL prior to that scope of work commencing.

CM WET WEATHER CAPACITY IMPROVEMENTS
Project 17063-111 NWWRF Construction Manager - GC Estimated Budget and Fees

Line #	Num Items	Description	Labor		Material		Subtrade		Equipment Totals		Unit Price	Total Price
			Quantity	UoM	Rate	Total	\$ / ItemUnit	Total	\$ / ItemUnit	Total		
1		Division I	1.00	LS								
2												
3		MOBILIZE	100.00	%								
4		Freight In	100.00	%								
5		Load at Yard	200.0	HR	39.84	7,969	0.00	0	0.00	0	39.84	7,969
6		Load Permits	10.0	EA	0.00	0	500.00	5,000	0.00	0	500.00	5,000
7		Form Material/Panels	10.0	EA	0.00	0	500.00	5,000	0.00	0	500.00	5,000
8		Unload at Job Site	200.0	HR	39.84	7,969	0.00	0	0.00	0	39.84	7,969
9		Equipment Freight -IN	1.0	LS	0.00	0		40,000	0.00	0		40,000
10		Freight In	100.00	%	39.84	15,938	500.00	50,000		0	659.38	65,938
11												
12		MOBILIZE	100.00	%	39.84	15,938	500.00	50,000		0	659.38	65,938
13												
14		DEMOBILIZE	100.00	%								
15		Freight Out	100.00	%								
16		Load at Site	200.0	HR	39.84	7,969	0.00	0	0.00	0	39.84	7,969
17		Load Permits	10.0	EA	0.00	0	500.00	5,000	0.00	0	500.00	5,000
18		Form Material/Panels	10.0	EA	0.00	0	500.00	5,000	0.00	0	500.00	5,000
19		Unload at Yard	200.0	HR	39.84	7,969	0.00	0	0.00	0	39.84	7,969
20		Equipment Freight -OUT	1.0	LS	0.00	0		40,000	0.00	0		40,000
21		Freight Out	100.00	%	39.84	15,938	500.00	50,000		0	659.38	65,938
22												
23		DEMOBILIZE	100.00	%	39.84	15,938	500.00	50,000		0	659.38	65,938
24												
25		Const/Set-Up Office Bldg	100.00	%								
26		Set Up Office-Labor	75.0	HR	45.03	3,377	0.00	0	0.00	0	45.03	3,377
27		Set Up Office-Material	1.0	EA	0.00	0	1,000.00	1,000	0.00	0	1,000.00	1,000
28		Const/Set-Up Office Bldg	100.00	%	45.03	3,377	10.00	1,000		0	43.77	4,377
29												
30		Set-Up Trailers & Vans	100.00	%								
31		Set Up Container-Labor	25.0	HR	45.03	1,126	0.00	0	0.00	0	45.03	1,126
32		Set Up Container-Material		LS	0.00	0		500	0.00	0		500
33		Set-Up Trailers & Vans	100.00	%	45.03	1,126	5.00	500		0	16.26	1,626
34												
35		Cleanup & Restore Site	100.00	%								
36	2	Unskilled Laborer	1.0	MO	33.20	11,511	0.00	0	0.00	0	11,510.65	11,511
37	1	Skilled Laborer	1.0	MO	39.84	6,906	0.00	0	0.00	0	6,906.39	6,906
38		Cleanup & Restore Site	100.00	%	35.42	18,417		0		0	184.17	18,417
39												
40		Oper Office Bldg	100.00	%								
41		Trailr Office 12'x60'	4.0	MO	0.00	0	0.00	0	3.12	2,159	539.82	2,159
42		Oper Office Bldg	100.00	%	0.00	0		0	21.59	2,159	21.59	2,159
43												
44		Oper Trailers & Vans	100.00	%								
45	4	TCon Tool 20'	4.0	MO	0.00	0	0.00	0	0.61	1,701	425.34	1,701

CM WET WEATHER CAPACITY IMPROVEMENTS
Project 17063-111 NWWRF Construction Manager - GC Estimated Budget and Fees

			Labor				Material Total		Subtrade		Equipment Totals			
Line #	Num Items	Description	Quantity	UoM	Rate	Total	\$ / ItemUnit	Total	\$ / ItemUnit	Total	Hr Rate	Total	Unit Price	Total Price
46		Oper Trailers & Vans	100.00	%	0.00	0		0		0	17.01	1,701	17.01	1,701
47														
48		Oper Telephone System	100.00	%										
49		Cellular Billing	38.0	MO	0.00	0	150.00	5,700	0.00	0	0.00	0	150.00	5,700
50		Oper Telephone System	100.00	%	0.00	0	57.00	5,700		0		0	57.00	5,700
51														
52		Oper Radio System	100.00	%										
53	5	Site Radios	4.0	MO	0.00	0	40.00	800	0.00	0	0.00	0	200.00	800
54		Oper Radio System	100.00	%	0.00	0	8.00	800		0		0	8.00	800
55														
56		Oper Sewer System	100.00	%										
57		Sewage Billing	4.0	MO	0.00	0	300.00	1,200	0.00	0	0.00	0	300.00	1,200
58		Oper Sewer System	100.00	%	0.00	0	12.00	1,200		0		0	12.00	1,200
59														
60		Site Services	100.00	%										
61	3	Portable Toilets	4.0	MO	0.00	0	125.00	1,500	0.00	0	0.00	0	375.00	1,500
62	4	Garbage Pickup	4.0	MO	0.00	0	800.00	12,800	0.00	0	0.00	0	3,200.00	12,800
63		Site Services	100.00	%	0.00	0	143.00	14,300		0		0	143.00	14,300
64														
65		VEHICLES	100.00	%										
66		Cars & Pickups	100.00	%										
67		Trc Pickup 4x2 Ex. Cab	8.0	MO	0.00	0	0.00	0	0.00	0	14.17	19,607	2,450.82	19,607
68		CM / PM Vehicles	8.0	MO	0.00	0	600.00	4,800	0.00	0	0.00	0	600.00	4,800
69		Cars & Pickups	100.00	%	0.00	0	48.00	4,800		0	196.07	19,607	244.07	24,407
70														
71		VEHICLES	100.00	%	0.00	0	48.00	4,800		0	196.07	19,607	244.07	24,407
72														
73		EQUIPMENT	100.00	%										
74														
75		Tractors & Trailers	100.00	%										
76		Trailer	4.0	MO	0.00	0	850.00	3,400	0.00	0	0.00	0	850.00	3,400
77		Forklift RT 9000# -O	4.0	MO	0.00	0	0.00	0	0.00	0	64.50	44,633	11,158.21	44,633
78		Tractors & Trailers	100.00	%	0.00	0	34.00	3,400		0	446.33	44,633	480.33	48,033
79														
80		Project Dust Control (Water Trucks)	1.00	LS										
81		Trc Water-SA 2000 Gal -O	4.0	MO	0.00	0	0.00	0	0.00	0	46.65	32,281	8,070.21	32,281
82		Project Dust Control (Water Trucks)	1.00	LS	0.00	0		0		0		32,281		32,281
83														
84		EQUIPMENT	100.00	%	0.00	0	34.00	3,400		0	769.14	76,914	803.14	80,314
85														
86		Survey STS	100.00	%										
87		Survey Equipment	4.0	MO	0.00	0	625.00	2,500	0.00	0	0.00	0	625.00	2,500
88		Survey Supplies	4.0	MO	0.00	0	150.00	600	0.00	0	0.00	0	150.00	600
89		Survey STS	100.00	%	0.00	0	31.00	3,100		0		0	31.00	3,100
90														

CM WET WEATHER CAPACITY IMPROVEMENTS
Project 17063-111 NWWRF Construction Manager - GC Estimated Budget and Fees

Line #	Num Items	Description	Labor		Material		Subtrade		Equipment		Unit Price	Total Price
			Quantity	UoM	Rate	Total	\$ / ItemUnit	Total	\$ / ItemUnit	Total		
91		Office STS	100.00	%								
92	6	Computer Equipment per Ea	4.0	MO	0.00	0	250.00	6,000	0.00	0	1,500.00	6,000
93		T1 Connection and Virtual Private Network	4.0	MO	0.00	0	950.00	3,800	0.00	0	950.00	3,800
94		Computer Software		LS	0.00	0		500	0.00	0		500
95		Office Supplies	4.0	MO	0.00	0	650.00	2,600	0.00	0	650.00	2,600
96		Post & Courier	4.0	MO	0.00	0	200.00	800	0.00	0	200.00	800
97		Printer / Photocopier	4.0	MO	0.00	0	600.00	2,400	0.00	0	600.00	2,400
98		Server	4.0	MO	0.00	0	400.00	1,600	0.00	0	400.00	1,600
99		Office STS	100.00	%	0.00	0	177.00	17,700		0	177.00	17,700
100												
101		First Aid & Safety STS	100.00	%								
102		Medical/Drug Testing	40.0	EA	0.00	0	75.00	3,000	0.00	0	75.00	3,000
103		Training & Orientation	40.0	EA	0.00	0	35.00	1,400	0.00	0	35.00	1,400
104		F.A. & Safety Supplies		MH	0.00	0	0.12000	1,092	0.00000	0	0.12000	1,092
105		Fire Protection		MH	0.00	0	0.07000	637	0.00000	0	0.07000	637
106		Water Coolers	8.0	EA	0.00	0	50.00	400	0.00	0	50.00	400
107		Drinking Water & Ice	4.0	MO	0.00	0	100.00	400	0.00	0	100.00	400
108												
109		Air Monitors	4.0	MO	0.00	0	0.00	0	0.92	635	158.67	635
110		Rescue Tripod w/yo yo	4.0	MO	0.00	0	0.00	0	0.92	635	158.67	635
111		Yo Yo Winch	4.0	MO	0.00	0	0.00	0	0.39	268	66.91	268
112		First Aid & Safety STS	100.00	%	0.00	0	69.30	6,930		0	15.37	1,537
113												
114		SMALL Tools-Expendables	100.00	%								
115		Small Tool Assess		MH	0.00	0	0.70000	6,372	0.00000	0	0.70000	6,372
116		Expendables Assess		MH	0.00	0	0.70000	6,372	0.00000	0	0.70000	6,372
117		SMALL Tools-Expendables	100.00	%	0.00	0	127.44	12,744		0	127.44	12,744
118												
119		Public Relations	100.00	%								
120		Project Signs	2.0	EA	0.00	0	1,000.00	2,000	0.00	0	1,000.00	2,000
121		Photographs	4.0	MO	0.00	0	300.00	1,200	0.00	0	300.00	1,200
122		Public Relations	100.00	%	0.00	0	32.00	3,200		0	32.00	3,200
123												
124		Repair Labor	100.00	%								
125		Mechanic Allowance		LS	0.00	0		20,000	0.00	0		20,000
126		Repair Labor	100.00	%	0.00	0	200.00	20,000		0	200.00	20,000
127												
128		Repair-Service Operate	100.00	%								
129		Shop Tools/Equipt	1.0	LS	0.00	0		5,000	0.00	0		5,000
130		Shop Supplies	1.0	LS	0.00	0		1,500	0.00	0		1,500
131		Welding Supplies	1.0	LS	0.00	0		1,000	0.00	0		1,000
132		Repair-Service Operate	100.00	%	0.00	0	75.00	7,500		0	75.00	7,500
133												
134		01450 QUALITY CONTROL	1.00	LS								
135		Concrete Testing	40.0	EA	0.00	0	0.00	0	400.00	16,000	400.00	16,000

CM WET WEATHER CAPACITY IMPROVEMENTS
Project 17063-111 NWWRF Construction Manager - GC Estimated Budget and Fees

Line #	Num Items	Description	Labor				Material Total		Subtrade		Equipment Totals		Unit Price	Total Price
			Quantity	UoM	Rate	Total	\$ / Item Unit	Total	\$ / Item Unit	Total	Hr. Rate	Total		
136		Compaction Testing	60.0	EA	0.00	0	0.00	0	400.00	24,000	0.00	0	400.00	24,000
137		01450 QUALITY CONTROL	1.00	LS	0.00	0		0		40,000		0		40,000
138														
139		TEMPORARY EROSION AND SEDIMENT CONTROL	1.00	LS										
140		Silt Fence	2,000.0	LF	0.00	0	0.00	0	2.50	5,000	0.00	0	2.50	5,000
141		Silt Fence Replace	1,000.0	LF	0.00	0	0.00	0	2.50	2,500	0.00	0	2.50	2,500
142		TEMPORARY EROSION AND SEDIMENT CONTROL	1.00	LS	0.00	0		0		7,500		0		7,500
143														
144		01050 Survey and Geotech Info	1.00	LS										
145		Surveying	1.0	LS	0.00	0	0.00	0		20,000	0.00	0		20,000
146		01050 Survey and Geotech Info	1.00	LS	0.00	0		0		20,000		0		20,000
147														
148		Unforeseen Underground Conditions - Potholing	1.00	LS										
149		Pot Hole Existing Utilities	1.00	LS										
150		JD 310EG BH/L	160.0	HR	61.89	9,902	0.00	0	0.00	0	42.42	6,787	104.31	16,689
151		Cmpt Walker Roller MRH-800 DS DD	160.0	HR	0.00	0	0.00	0	0.00	0	50.33	8,052	50.33	8,052
152		2 Yard Pipe Crew	160.0	HR	57.38	18,362	0.00	0	0.00	0	0.00	0	114.76	18,362
153		Misc. STS	1.0	LS	0.00	0		5,000	0.00	0	0.00	0		5,000
154		(pumps&hose if dewatering needed)												
155		Road Base Material	1.0	LS	0.00	0		4,000	0.00	0	0.00	0		4,000
156		(temp. base for asphalt removed)												
157		Pot Hole Existing Utilities	1.00	LS	58.88	28,264		9,000		0		14,839		52,103
158														
159		Asphalt Pavement Removal	1.00	LS										
160		Sawcut and remove existing asphalt at polhole locations												
161		JD 310EG BH/L	32.0	HR	61.89	1,980	0.00	0	0.00	0	42.42	1,357	104.31	3,338
162		2 Skilled Labor	32.0	HR	57.38	3,672	0.00	0	0.00	0	0.00	0	114.76	3,672
163		Misc. STS	1.0	LS	0.00	0		2,000	0.00	0	0.00	0		2,000
164		(saw blades etc.)												
165		Asphalt disposal	1.0	LS	0.00	0		500	0.00	0	0.00	0		500
166		Asphalt Pavement Removal	1.00	LS	58.88	5,653		2,500		0		1,357		9,510
167		Unforeseen Underground Conditions - Potholing	1.00	LS	58.88	33,917		11,500		0		16,197		61,613
168														
169		Dewatering Test Sampling	1.00	LS										
170		Dewatering Permits	1.0	LS	0.00	0		500	0.00	0	0.00	0		500
171		Dewatering Test Sampling & NOI Permit Allowance	1.0	LS	0.00	0	0.00	0		9,000	0.00	0		9,000
172		Dewatering Test Sampling	1.00	LS	0.00	0		500		9,000		0		9,500
173														
174		Division I	1.00	LS	44.45	88,712		214,873		76,500		118,114		498,200
176		V7 PROJECT STAFF	100.00	%										
177														
178		Management	100.00	%										
179		Const Mgr.	2.0	MO	137.41	47,637	0.00	0	0.00	0	0.00	0	23,818.34	47,637
180		Project Manager	4.0	MO	124.69	86,452	0.00	0	0.00	0	0.00	0	21,612.93	86,452

CM WET WEATHER CAPACITY IMPROVEMENTS
Project 17063-111 NWWRF Construction Manager - GC Estimated Budget and Fees

Line #	Num Items	Description	Labor		Material Total		Subtrade		Equipment Totals		Unit Price	Total Price
			Quantity	UoM	Rate	Total	\$ / ItemUnit	Total	\$ / ItemUnit	Total		
181		Sr Project Super.	4.0	MO	127.80	88,608	0.00	0	0.00	0	22,152.03	88,608
182		Sr Cost Estimator	3.0	MO	115.14	59,873	0.00	0	0.00	0	19,957.58	59,873
183		Management	100.00	%	125.40	282,569		0		0	2,825.69	282,569
184												
185		Administration	100.00	%								
186		Admin. Assistant	4.0	MO	48.20	33,418	0.00	0	0.00	0	8,354.58	33,418
187		Business Diversity Manager	1.0	MO	74.03	12,831	0.00	0	0.00	0	12,830.99	12,831
188		Administration	100.00	%	53.36	46,249		0		0	462.49	46,249
189												
190		Engineering & Survey	100.00	%								
191		Proj Eng.	4.0	MO	102.64	71,161	0.00	0	0.00	0	17,790.24	71,161
192		Engineering & Survey	100.00	%	102.64	71,161		0		0	711.61	71,161
193												
194		Supervision	100.00	%								
195		Project Supt.	4.0	MO	114.56	79,429	0.00	0	0.00	0	19,857.26	79,429
196		HSE Manager	4.0	MO	112.48	77,983	0.00	0	0.00	0	19,495.83	77,983
197		Salaried Foreman	1.0	MO	97.76	16,944	0.00	0	0.00	0	16,944.19	16,944
198		Supervision	100.00	%	111.77	174,357		0		0	1,743.57	174,357
199												
200		BIM	100.00	%								
201		BIM Manager	2.0	MO	115.14	39,915	0.00	0	0.00	0	19,957.58	39,915
202	2	BIM Modeler	4.0	MO	83.16	115,315	0.00	0	0.00	0	28,828.78	115,315
203		BIM	100.00	%	89.56	155,230		0		0	1,552.30	155,230
204												
205		V7 PROJECT STAFF	100.00	%	102.66	729,566		0		0	7,295.66	729,566
207		V8 EMPLOYEE EXPENSE	100.00	%								
208												
209		Misc Business travel expense	100.00	%								
210		Misc Business travel expense	4.0	MO	0.00	0	5,500.00	22,000	0.00	0	5,500.00	22,000
211		Misc Business travel expense	100.00	%	0.00	0	220.00	22,000		0	220.00	22,000
212												
213		V8 EMPLOYEE EXPENSE	100.00	%	0.00	0	220.00	22,000		0	220.00	22,000

Total Estimated General Conditions

\$1,249,766

Construction Manager Fee (6%)

\$ 74,986

Total General Conditions Budget Pricing

\$ 1,324,752