

Willamette Water Supply System Commission

Special Board Meeting
Thursday, February 17, 2022
12:00 PM

Microsoft Teams Meeting

Willamette Water Supply System Commission

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**Willamette Water Supply System Commission
Special Board Meeting Agenda
Thursday, February 17, 2022 | 12:00 – 12:30 PM
Microsoft Teams Meeting**

If you wish to attend via conference call and need dial-in information, please contact annette.rehms@tvwd.org or call 971-222-5957 by 10:00 a.m. on February 17, 2022. If you wish to address the WWSS Board, please request the Public Comment Form and return it 48 hours prior to the day of the meeting. **All testimony is electronically recorded.**

REGULAR SESSION – 12:00 PM

CALL TO ORDER

1. PUBLIC COMMENT

This time is set aside for persons wishing to address the Board on items on the Consent Agenda, as well as matters not on the agenda. Additional public comment will be invited on agenda items as they are presented. Each person is limited to five minutes unless an extension is granted by the Board. Should three or more people testify on the same topic, each person will be limited to three minutes.

2. CONSENT AGENDA

These items are considered to be routine and may be approved in one motion without separate discussion. Any Board member may request that an item be removed by motion for discussion and separate action. Any items requested to be removed from the Consent Agenda for separate discussion will be considered immediately after the Board has approved those items which do not require discussion.

- A. None scheduled

3. BUSINESS AGENDA

- A. Approve WTP_1.0 GMP for Construction – *Mike Britch*

4. INFORMATION ITEMS

- A. The next Regular Board Meeting is scheduled on March 3, 2022, via Microsoft Teams

5. COMMUNICATIONS AND NON-AGENDA ITEMS

- A. None scheduled

ADJOURNMENT

Willamette Water Supply System Commission

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STAFF REPORT

To: WWSS Board of Commissioners
From: David Kraska, P.E., Willamette Water Supply System General Manager
Date: February 17, 2022
Subject: Recommend Approval of WTP_1.0 CM/GC Contract Amendment (Contract No. 2018-015 Amendment 1 and Change Order 11)

Requested Board Action:

Consider approving a change to the Sundt Construction, Inc. contract (Contract 2018-015) in the amount of \$405,508,878 to incorporate Guaranteed Maximum Price (GMP) No. 1 for construction of the WTP_1.0 Project of the Willamette Water Supply Program (WWSP).

Key Concepts:

- The Sundt contract for construction manager/general contractor (CM/GC) services was executed on January 25, 2019, and was planned to be amended to include two GMPs for construction.
 - GMP No. 1 for most of the water treatment plant construction
 - GMP No. 2 for final road construction, landscaping, fencing, and finished water system commissioning (draft expected in June 2023)
- GMP No. 1 has a planned Limited Notice to Proceed (LNTP) date of February 18, 2022
- GMP No. 1 has a planned Notice to Proceed (NTP) date of April 8, 2022
- The proposed GMP No. 1 was developed using a competitive, open-book process and includes CM/GC contingency, Owner's contingency, Owner's escalation/de-escalation contingency, and allowances for changed conditions and potential risks encountered during construction.
- The GMP No. 1 change order value of \$405,508,878 is higher than the approved baseline budget (Baseline 6.1, prepared in Q4 2020) for this project. This action will lead to cost commitments that exceed the \$1.3 billion Baseline 6.1 budget. While the contracts are dependent on the available budget, approval by the Board acknowledges the cost increase and the intent to increase the budget accordingly. This cost increase, in conjunction with others, is reflected in the Baseline 7.0 Official Release budget proposal that is scheduled to come before the Board at the March 3, 2022, meeting.
- A contract amendment is also proposed to clarify certain terms and conditions pertaining to GMP No.1 and the contract broadly.

Background:

Project

The WTP_1.0 project consists of the construction of a new 60 MGD water treatment plant situated at a greenfield site in the Tonquin Employment Area in Sherwood. This will include construction of Ice Age Drive and half-street improvements for SW 124th Avenue. Procurement of ultraviolet (UV) disinfection,

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ballasted flocculation, and dewatering screw press equipment has already been completed to allow for efficient design around those process elements. Major scope elements of GMP No. 1 include:

- Earthwork and Utilities
- Concrete
- Process Integration
- Electrical

Sundt was selected through a competitive, best value selection process in Q4 2018 to provide the WWSP CM/GC services for the WTP_1.0 Project. The scope of work (SOW) includes design phase, construction phase, and post-construction services. Only design phase services and early procurement of UV, ballasted flocculation, and dewatering screw press equipment have been authorized to date. Construction phase services are included in this GMP No. 1.

Construction Procurement Process

The bid process for construction was completed in accordance with a procurement plan prepared by Sundt and reviewed by WWSP and its legal counsel. The process included outreach meetings to promote interest and understanding among potential bidders. Nine virtual pre-bid meetings were held as well as four in-person subcontractor meetings. Of the nine meetings, two were held for overall project information and seven of the meetings were specific to the CSI Division break down. Site visits were restricted due to COVID-19 regulations. RFP packages for 67 separate work packages were developed by Sundt in conjunction with WWSP. The work packages were organized into the following categories reflecting the basis of selection:

- Six packages utilized best value selection (evaluating technical approach and cost); for five of these packages Sundt competed to self-perform the work
- 61 packages using minimum qualifications with the low bid as the basis of selection

WWSP administered key procurement activities, including receipt of bids, scoring, and recommendation for the work packages for which Sundt submitted a competitive bid. These RFP packages were the following:

- WC-0300.1 – Concrete (Main Process)
- WC-0300.2 – Concrete (Thickeners & Solids Handling)
- WC-0300.3 – Concrete (Pump Station, Equipment Storage & Basins)
- WC-3100 – Earthwork and Utilities
- WC-4000.1 – Process Integration

GMP Development and Review

In the CM/GC delivery method, the bid review is an “open-book process” where the owners review all of the detailed backup information provided by the CM/GC. Sundt submitted an initial draft GMP on December 16, 2021, and made several updates and refinements over the subsequent weeks. A thorough review of the GMP information was completed by WWSP staff and subject matter experts.

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Bidder response, as determined by the quantity of bids received for each work package, was moderate. Following submittal of the draft GMP, Sundt was directed to provide additional back-up information for several work packages. Extensive outreach was conducted before, during, and following the bidding process to ensure adequate coverage for the bid packages. Bidder participation is consistent with local and national trends experienced during the COVID-19 pandemic. All the highest value work packages had two to five bidders.

The table below summarizes the components of GMP No. 1 and the basis for each component.

Component	Amount
Work Packages	\$317,380,127
General Conditions, Bonds, Insurance, and Taxes	\$33,586,423
CM/GC Fee Non Self-Performed Work (3.5%)	\$5,127,310
CM/GC Fee Self-Performed Work (9.0%)	\$18,402,478
CM/GC Contingency (3%)	\$9,521,404
Allowances	\$3,861,428
Owner's Contingency (5%)	\$15,869,006
Escalation/De-escalation Contingency (1.5%)	\$4,760,702
Negotiated Package Reduction	(\$3,000,000)
Total	\$405,508,878

WWSP has implemented numerous actions to manage the cost of the WTP_1.0 project. During the CM/GC procurement, cost was a major component of the selection process. CM/GC fees, bonds and insurance rates, and rates for key professional staff were established through that competitive process. The CM/GC contingency was established through negotiations with the CM/GC. During the design phase, the design consultant, CM/GC, and WWSP staff engaged in extensive value engineering. The ballasted flocculation, screw presses, and UV disinfection were procured early to allow optimization of the WTP design around the selected manufacturers. The CM/GC developed a plan to partner with a local and adjacent quarry operation to minimize the transport of blasted material offsite for crushing. During the development of the GMP, CM/GC construction staffing levels were negotiated early; bidder outreach was extensive; open-book competitive bidding was used; sealed-bids were required for potential self-perform work; supplemental bids were sought for packages with low responsiveness; best and final offers were obtained for selected packages; prices were negotiated downward; and the process and results were subjected to a comprehensive review. In addition, WWSP staff negotiated a \$3.0-million package reduction and a cost-sharing program with the CM/GC to incentivize cost reductions throughout the life of the project.

Budget Impact

The following is a summary of GMP No. 1 compared to the current Baseline Budget:

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Cost Item	Total
Baseline 6.1	\$262,136,182
Baseline 7.0 (official release)	\$421,727,174
GMP No. 1	\$405,508,878
Project-level Contingency (3%)	\$12,734,408
Total Estimated Construction Cost for GMP1	\$418,243,286

The net difference between the Baseline 7.0 (official release) and the total estimated construction cost for GMP No. 1 of \$3,483,888 may be transferred to Management Reserve.

The following is a summary of the estimated share of the total GMP No. 1 cost (including project contingency) by WWSS partner:

Estimated Partner Share of Proposed GMP No. 1 Cost¹	\$418,243,286
<i>TVWD Estimated Share²</i>	<i>\$260,983,810</i>
<i>Hillsboro Estimated Share²</i>	<i>\$130,115,486</i>
<i>Beaverton Estimated Share²</i>	<i>\$27,143,990</i>
¹ Includes Project-level Contingency of 3% for GMP No. 1	
² Based on overall project ownership percentage from Baseline 6.1 budget and WWSS IGA.	

The primary driver for the increase in cost of construction is current market conditions. The cost drivers are labor shortage, increased transportation costs, supply chain disruption, and compounding escalation from material and market uncertainty.

Staff Contact Information:

David Kraska, P.E., WWSP Program Director; 503-941-4561; david.kraska@tvwd.org

Mike Britch, P.E., WWSP Engineering & Construction Manager; 503-941-4565; mike.britch@tvwd.org

Attachments:

- Contract Amendment No. 1
- GMP1 summary table
- GMP1 Exhibit T with bidder info
- GMP1 exclusions, assumptions, and clarifications (EAC) log
- GMP1 bid alternates
- GMP1 detailed estimate
- GMP1 allowance log
- GMP1 general conditions and staffing plan
- CM/GC construction organizational chart
- Change order

**AMENDMENT ONE TO
CONTRACT AGREEMENT ON THE BASIS OF A STIPULATED PRICE
FOR CONTRACT #2018-015**

BETWEEN

**SUNDT CONSTRUCTION, INC. AND
THE WILLAMETTE WATER SUPPLY SYSTEM COMMISSION
FOR THE WILLAMETTE WATER SUPPLY PROGRAM**

WTP_1.0 CONSTRUCTION MANAGER/GENERAL CONTRACTOR SERVICES

This Amendment One ("Amendment") is made and entered into between Sundt Construction, Inc., whose principal place of business is located at 2620 S. 55th Street, Tempe, AZ 85282, hereinafter referred to as "CM/GC", and the Willamette Water Supply System Commission, an intergovernmental entity formed under ORS Chapter 190, hereinafter referred to as the "WWSS Commission". Each entity may be referred to hereinafter individually as a "party" and collectively as "parties."

RECITALS

- A. WHEREAS, Tualatin Valley Water District ("TVWD"), the City of Hillsboro ("Hillsboro"), and CM/GC previously entered into the Contract Agreement on the Basis of Stipulated Price for WTP_1.0 Construction Manager/General Contractor Services, executed on January 9, 2019 ("Agreement"); and
- B. WHEREAS, TVWD and Hillsboro, together with the City of Beaverton, formed the WWSS Commission for the purpose of completing the design and construction of the Willamette Water Supply System, including the water treatment plant that is the subject of the Agreement; and
- C. WHEREAS, TVWD and Hillsboro assigned their rights and obligations under the Agreement to the WWSS Commission; and
- D. WHEREAS, the parties desire to amend the Agreement to memorialize the assignment of the Agreement to the WWSS Commission and to reflect various administrative changes in the development of the Project, as that term is defined in the Agreement.

AGREEMENT

NOW, THEREFORE, in consideration of the terms, conditions, and covenants set forth below, the parties amend the Agreement as follows:

1. Unless otherwise defined in this Amendment, capitalized terms shall have the meaning set forth in the Agreement.
2. All references in the Contract Documents to "Owners" shall be a reference to "the WWSS Commission", respectively. All references in this Amendment to "Owner" shall be a reference to "the WWSS Commission".

3. Section 3.02 of the Contract shall be deleted and replaced as follows:

3.02 Construction Phase Work: The Construction Phase Work shall commence at the time a GMP is agreed upon by the parties and Owner issues a Notice to Proceed. The Construction Phase Work shall be completed in accordance with the schedule milestones detailed in Table 1 of Exhibit A – Statement of Work.

The Project schedule shall be developed and maintained by CM/GC in accordance with General Requirements. The CM/GC acknowledges that it has examined the timelines, Milestones and Completion Dates established in this Contract and that the time allotted for performance of each portion of the Work is adequate. The services of the CM/GC and its Subcontractors shall be performed diligently and uninterruptedly to ensure the timely completion of the Milestones. CM/GC's failure to achieve the Milestones and Completion Dates, as set forth above, may constitute a material breach of this Contract and Owner reserves the right to exercise all of its rights and remedies, including the pursuit of agreed upon liquidated damages.

4. The last two paragraphs of Contract Section 4.03 shall be deleted and replaced as follows:

Owners and CM/GC agree that the fee for self-performed work (including any self-perform work package subcontractors or vendors) and general site work (e.g., General Conditions, project management staff, etc.) during the Construction Phases shall be a Firm Fixed Fee of nine percent (9%). CM/GC's fee for self-performed Work shall be determined by applying the Firm Fixed Fee for self-performed work to Cost of the Work on the amount invoiced by CM/GC and approved by Owners.

The Firm Fixed Fees for subcontracted and self-performed Work provided for in each GMP shall include all indirect overhead and profit in accordance with the Contract Documents and as outlined in the Cost Allocation Matrix and shall be separately identified in each Application for Payment. Costs for any insurance program provided by or managed by CM/GC that reduces or eliminates subcontractor general liability insurance requirements shall be covered by CM/GC's Firm Fixed Fees. Prior to implementing any insurance program provided by or managed by CM/GC that reduces or eliminates subcontractor general liability insurance requirements, CM/GC shall provide to Owner a summary of: (1) anticipated cost savings from reduced premiums, claims reductions and other factors and (2) the allocation of cost savings between the parties.

5. The following paragraphs shall be added after the last sentence to Section 5.01 of the Contract:

CM/GC's Contingency is established at three percent (3.00%) of direct costs for GMP1 and two percent (2.00%) of direct costs for GMP2. A CM/GC Contingency greater than 2.00% of direct costs can be included in a GMP if CM/GC provides documentation justifying the increase and if the increase is accepted by Owner.

GMP1 shall include a separate Owner Escalation/De-escalation Contingency in the amount of one and one-half percent (1.50%) of direct costs for GMP1. This contingency shall be utilized for escalation or de-escalation of materials pricing that are not in CM/GC's control. This contingency can be utilized for the following:

1. For escalation requested by bidders that did not agree to hold their bid pricing for a minimum of 150 days from the date of bid and did not elect to participate in Exhibit T.
2. For escalation/de-escalation by bidders that elected to participate in escalation/de-escalation program (Exhibit T to the bid) at the time of bid.

The CM/GC Escalation/De-escalation Contingency amount shall not be used for any other item. The method for establishing the actual amount of any escalation or de-escalation shall be determined by the parties as outlined in the GMP1 bid documents. Owner or CM/GC may initiate requests for use of the CM/GC Escalation/De-escalation Contingency.

6. Sections 5.02 and 5.03 of the Contract shall be deleted and replaced as follows:

5.02 *Owner's Contingency.* The GMP for each Construction Phase shall include an Owner's Contingency for the exclusive use of Owner and shall not be available for use by CM/GC without written authorization from Owner. Owner's Contingency uses may include, but are not limited to: minor Owner-requested changes to the Work, CM/GC rework due to design errors and omissions contained in the Contract Documents (not caused by CM/GC), Owner-caused schedule delays, and interference with third parties for which CM/GC is not responsible. Owner-directed reductions in scope may be added to Owner's Contingency. Owner's Contingency is established at five percent (5.00%) of direct costs for each GMP.

5.03 The appropriate Firm Fixed Fee(s) shall be used for payment of amounts requested and approved for CM/GC's Contingency or Owner's Contingency.

7. Section 5.07 of the Contract shall be deleted and replaced as follows:

In the event the actual cost of the Work is less than GMP, then the savings shall accrue to Owner except as provided in this paragraph 5.07. If the balance of the CM/GC's Contingency is greater than zero dollars (\$0.00) at the time of Final Completion, Owner and CM/GC shall each accrue a share of the remaining amount of the CM/GC Contingency. The savings shall accrue at a rate of forty percent (40.0%) to the CM/GC and sixty percent (60.0%) to the Owner. Any shared savings due to CM/GC as required by this paragraph 5.07 shall be included in the Final Payment. To determine the balance of the CM/GC Contingency underrun, any underruns in the CM/GC Allowance and the Owner's Escalation/De-escalation Contingency shall be added to the CM/GC Contingency at Final Payment.

8. Section 6.20.B of the Contract shall be deleted and replaced as follows:

CM/GC warrants and guarantees the Work for a period of one (1) year, unless otherwise indicated in the Contract Documents, from the date of the start of the 30-Day Process Startup Phase as defined by Specification Section 01 75 17 – 1.9.F. Without limitation of any other rights or remedies of Owner, including the provisions set forth in Paragraph 13.07(A)(1), if any defect in the Work in violation of the foregoing warranties arises or the Work is determined by Owner not to have been completed in accordance with the Contract Documents, CM/GC shall, upon receipt of written Notice of such defect, promptly furnish, at no cost to Owner, design and engineering, labor, equipment, and materials necessary to correct such defect and cause the Work to comply fully with the foregoing warranties

and Contract Documents. This obligation shall survive both Final Completion of the Work and Final Payment for the Work. Owner shall not be invoiced for any of the costs of warranty work and CM/GC shall not be entitled to submit any Claim for an increased fee arising therefrom.

9. Contract Section 8 – Contract Documents shall be deleted and replaced as follows:

The Contract Documents which comprise the entire Contract between Owner and CM/GC concerning the Work consist of the following, all of which are incorporated (attached hereto or by reference) into and form the entire Contract between Owner and CM/GC:

- 8.01 This Contract
- 8.02 General Conditions
- 8.03 Exhibit A – Statement of Work (as revised by existing Change Orders)
 - Attachment 1 – Water Treatment Plant_1.0 Final Conceptual Design Report (March 2018)
 - Appendix A Preliminary Geotechnical Investigation
 - Appendix B One-Line Diagrams
 - Attachment 2 – Engineer’s Statement of Work (as revised by Change Orders)
 - Attachment 3 – DCS_1.0 Engineer’s Statement of Work (as revised by Change Orders)
 - Attachment 4 – Not Used
 - Attachment 5 – WTP Permit Tracker (09-15-2020)
 - Attachment 6 – WWSP Facilities Cost Estimating Guide (March 2018)
 - Attachment 7 – GMP Guide (January 2018)
 - Attachment 8 – Draft WWSP Seismic Guidelines and Minimum Design Requirements (June 8, 2018, or latest version available in the e-Builder project standards folder)
 - Attachment 9 – Water Infrastructure Finance and Innovation Act (WIFIA) Program Requirements
- 8.04 Exhibit B – CM/GC Cost Proposal (with revised Cost Allocation Matrix dated October 2020)
- 8.05 Exhibit C – Confidentiality Agreement
- 8.06 Exhibit D – Request for Proposal RFP-WTP-0300918 documents, CM/GC’s proposal, and documentation submitted prior to the Effective Date of the Contract
- 8.07 Exhibit E – Bond Sureties: Performance Payment Maintenance
- 8.08 Exhibit F – CM/GC Net Spend Report Template
- 8.09 Exhibit G – CM/GC’s Insurance Certificates
- 8.10 Exhibit H – Travel Reimbursement Policy
- 8.11 CM/GC Obtained Permits
- 8.12 Owner Obtained Permits
- 8.13 Limited Notice(s) to Proceed
- 8.14 Notice(s) to Proceed
- 8.15 Drawings and Specifications issued to CM/GC in September 2021, as modified by addenda
- 8.16 GMP1 Amendment
- 8.17 GMP2 Amendment
- 8.18 The following which may be delivered or issued after the Effective Date of the Contract: Change Orders, Work Change Directives and other documents amending, modifying, or supplementing the Contract Documents pursuant to the General Conditions.

There are no Contract Documents other than those listed in this SECTION 8. The Contract Documents may only be amended, modified, or supplemented as provided in Article 10 of the General Conditions.

Concerning the Contract Documents, the order of precedence shall be as follows:

1. Change Orders, except GMP Amendments
2. Work Change Directives
3. General Conditions
4. Contract and Contract Amendments, except GMP Amendments
5. Specifications
6. Drawings
7. Geotechnical Data Report
8. GMP Amendments incorporated by Change Order
9. Other Contract Documents

For the Drawings:

1. Enumerated dimensions take precedence over scaled dimensions
2. Details take precedence over general drawings
3. Change order drawings take precedence over other drawings
4. Drawings take precedence over standard detail drawings

The Contract Documents listed above represent the entire and integrated Contract between the parties hereto, and supersede prior negotiations, representations, or agreements, either written or oral.”

10. Add the following sentence to Section 9.01 of the Contract:

For the purposes of this Section, CM/GC self-perform bids shall be treated as lump sum bids the same as other Subcontractor Bids.

11. Add Paragraph f to Section 11.01.A.6 as follows:

- f. CM/GC’s actual Oregon Corporate Activity Tax (“CAT”) liability paid to the Oregon Department of Revenue (“DOR”) for CM/GC’s CAT liability imposed on the Work. CM/GC must provide Owner with substantiation of the calculation of the CAT imposed on the Work (including but not limited to the CM/GC’s Form OR-CAT (Oregon Corporate Activity Tax Return) for all applicable years before such amounts are eligible for inclusion on an application for payment. Owner is under no obligation to release payment for CM/GC’s CAT liability imposed on the Work until Owner receives substantiation and, in its reasonable discretion, determines that such amounts accurately reflect the actual CM/GC’s CAT liability imposed on the Work. Owner will make payment to CM/GC on the monthly payment application following receipt and acceptance by the Owner of such substitution.

12. Sections 11.09 and 11.10 shall be added to Contract Section 11 – COST OF THE WORK; ALLOWANCES; UNIT PRICE WORK:

11.09 CM/GC understands that the goods and services called for under this Contract are being funded with monies made available by the federal Water Infrastructure Finance and Innovation Act (“WIFIA”). CM/GC agrees to comply with all applicable statutes, regulations, executive orders, and any additional terms and conditions imposed by the Environmental Protection Agency (“EPA”) in connection with WIFIA funding for the Project per Attachment 109 – WIFIA Program Requirements, AIS Certification Template, and De Minimis Tracking Worksheet Template.

11.10 CM/GC’s subcontractors, suppliers, vendors, and other support businesses shall not

be obligated to sign any union or other labor agreements as a condition of bidding on or performing any part of the Work nor shall CM/GC charge a fee or similar expense to Owner for any contractors, subcontractors, suppliers, vendors, and other support businesses that choose to not sign a union or other labor agreement.

13. The lead-in paragraph of Section 13.07.A of the Contract shall be deleted and replaced as follows:

If within one (1) year after the date of the WTP Startup and Commissioning milestone (or such longer period of time as may be prescribed by the terms of any applicable special guarantee required by the Contract Documents), any Work is found to be defective, or if the repair of any damages to the land, water or groundwater or areas made available for CM/GC's use by Owner or permitted by Laws and Regulations as contemplated in Paragraph 6.16.A is found to be defective, CM/GC shall promptly, without cost to Owner and in accordance with Owner's written instructions:

14. The following definitions shall be added to the end of Section 1.01(A) of the General Conditions:

77. **Davis-Bacon and Related Acts**—The Davis-Bacon Act (40 U.S.C.A 276a to 276a-5) is a federal law that governs the Minimum Wage rate to be paid to laborers and mechanics employed on federal public works projects.

78. **Named Parties**—The Owner, its officers, Commissioners, agents and employees, as well as the parties to the commission: Tualatin Valley Water District, its members, officers, boards, agents and employees; the City of Hillsboro, the Hillsboro Utilities Commission, its members, officers, boards, agents and employees; the City of Beaverton, its members, officers, boards, agents and employees; Stantec Consulting Services Inc., its members, officers, boards, subsidiaries, agents, and employees; Carollo Engineers, Inc., its members, officers, boards, agents and employees; its related and affiliated companies, subconsultants, and the officers, directors, partners, shareholders, employees, agents and representatives thereof; CDM Smith, Inc., its members, officers, boards, subsidiaries, agents, employees and subconsultants; and the US Government Environmental Protection Agency.

15. The "Additional Insured" row of the table in Section 5.03 of the General Conditions shall be deleted and replaced with the following:

<p><u>Additional Insured</u></p> <ul style="list-style-type: none"> • All coverages except Workers Compensation/Employers Liability and Professional Liability • Specifically including for completed operations exposure 	<p>Additional Named Insureds shall include the Named Parties; and other individuals or entities, as may be directed by the Owner from time to time.</p>
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16. Section 5.03.E of the General Conditions shall be deleted and replaced as follows:

E. CM/GC shall cause each Subcontractor to purchase and maintain in full force and effect policies of insurance. At a minimum, Subcontractor's limits shall be as specified in Exhibit C. Owner, at its sole discretion, may waive requirements for umbrella or excess liability, professional liability, or pollution liability policies for

additional Subcontractors. When requested by the Owner, CM/GC will furnish copies of certificates of insurance establishing coverage for each Subcontractor.

17. Paragraph A of Section 6.10 of the General Conditions shall be deleted and replaced with the following:

- A. CM/GC shall fully comply with ORS 279C.800 through 279C.870, including without limitation ORS 279C.840, and the Davis Bacon Act, concerning payment of not less than the applicable prevailing wage rates for state or federal wages, whichever is higher; each worker in each trade or occupation employed in the performance of the Work under these Contract Documents, either by CM/GC, Subcontractor, or other person doing or contracting to do the whole or any part of the Work, shall be paid not less than the applicable prevailing wage rates. CM/GC and every Subcontractor must have a public works bond filed with the Construction Contractors Board before starting work on the project, unless exempt under ORS 279C.836 (4), (7), (8) or (9). CM/GC shall, in every subcontract, require the Subcontractor to have a public works bond filed with the Construction Contractors Board before starting work on the project, unless exempt under ORS 279C.836 (4), (7), (8) or (9).

18. Paragraph A.4 of Section 6.11 of the General Conditions shall be deleted and replaced with the following:

- 1. To the fullest extent permitted by Laws and Regulations, CM/GC shall indemnify and hold harmless the Named Parties from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to any claim or action, legal or equitable, brought by any such owner or occupant against Owner, Engineer, or any other party indemnified hereunder to the extent caused by or based upon CM/GC's performance of the Work.

19. Paragraphs A and B of Section 6.21 of the General Conditions shall be deleted and replaced with the following:

- A. To the fullest extent permitted by Laws and Regulations, CM/GC shall indemnify and hold harmless the Named Parties; and CDM Smith, Inc., its related and affiliated companies, subconsultants, and the officers, directors, partners, shareholders, employees, agents and representatives thereof, from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to the performance of the Work, including the loss of use resulting therefrom but only to the extent caused by any act or omission of CM/GC, any Subcontractor, any Supplier, or any individual or entity directly or indirectly employed by any of them to perform any of the Work or anyone for whose acts any of them may be liable.
- B. In any and all claims against the Named Parties; and CDM Smith, Inc., its members, officers, boards, agents and employees by any employee (or the survivor or personal representative of such employee) of CM/GC, any Subcontractor, any Supplier, or any individual or entity directly or indirectly employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable, the indemnification obligation under Paragraph 6.20.A shall not be limited in any way by any limitation

on the amount or type of damages, compensation, or benefits payable by or for CM/GC or any such Subcontractor, Supplier, or other individual or entity under workers' compensation acts, disability benefit acts, or other employee benefit acts.

20. Paragraph A.6.c of Section 11.01 of the General Conditions shall be deleted and replaced with the following:
- c. Costs for relocation of CM/GC staff employed full time at the Site as approved by Owner in advance. Relocation costs shall be limited to a maximum of \$15,000 for each individual. Relocation costs for any CM/GC staff that are replaced during the term of this Contract shall be limited to the unspent balance of the \$15,000 maximum, if any, from the initial relocation of the individual staff being replaced.
21. Paragraph B.13 of Section 11.01 of the General Conditions shall be deleted and replaced with the following:
- 13. Costs for any insurance program provided by or program managed by CM/GC that reduces or eliminates subcontractor general liability insurance requirements.
16. Paragraph B.14 shall be added to the end of Section 11.01(B) of the General Conditions as follows:
- 14. Other overhead or general expense costs of any kind and the costs of any item not specifically and expressly included in Paragraphs 11.01.A including, but not limited to (a) expenses for travel or CM/GC staff training not directly related to the Project; (b) Metro Supportive Housing Services Income Tax (Homeless Tax).
17. Section 14.02.A of the General Conditions shall be deleted and replaced with the following:
- A. *Applications for Payments:*
 - 1. On or before the 10th day of each month, CM/GC shall submit to Owner's Representative for review an Application for Payment filled out and signed by CM/GC covering the Work completed as of the date of the Application and accompanied by such supporting documentation as is required by the Contract Documents, see Section 11.01(D).
 - 2. If payment is requested on the basis of materials and equipment not incorporated in the Work but delivered and suitably stored at the Site or at another location approved by Owner in writing, the Application for Payment shall also be accompanied by a bill of sale, invoice, or other documentation warranting that Owner has received the materials and equipment free and clear of all Liens and evidence that the materials and equipment are covered by appropriate property insurance or other arrangements to protect Owner's interest therein, all of which must be satisfactory to Owner. Owner shall pay up to seventy-five percent (75%) until materials or equipment are delivered to the Site and incorporated into the Work in accordance with the Contract Documents.
 - 3. Beginning with the second Application for Payment, each Application shall include an affidavit of CM/GC stating that all previous progress payments received on

account of the Work have been applied on account to discharge CM/GC's legitimate obligations associated with prior Applications for Payment.

4. The amount of retainage with respect to progress payments will be as stipulated in the Section 5 of the Contract.
 5. Refer to ARTICLE 11 for definition of costs to be paid on actual amounts.
15. Section 4 of Exhibit A – Statement of Work shall be deleted and replaced with the following:

4. Project Schedule

The following schedule in Table 1 has been established for WTP_1.0 deliverables during the Design Phase. Meeting and workshop dates are approximate and will be adjusted as needed.

Table 1. Project Schedule

Milestones	Owner	Completion Date
CM/GC NTP	WWSP	
Project Kick-off Meeting	Sundt	14 calendar days after NTP
Document Management Training	Sundt	30 calendar days after NTP
Draft Project Execution Plan	Sundt	30 calendar days after NTP
Draft Health and Safety Plan (Design Phase)	Sundt	30 calendar days after NTP
Work-specific Health and Safety Submittals	Sundt	As required
Preliminary Design Deliverables	CDM	3/19/2019
VE and Constructability Review Memorandum	Sundt	3/26/2019
Preliminary Design VE and Constructability Workshops	WWSP	3/27-28/2019
Review Comments on Engineers Preliminary Design Deliverables	Sundt	4/9/2019
Procurement Plan Workshop	Sundt	2/13/2019
Draft Procurement Plan	Sundt	5/22/2019
Draft Construction Market Survey Report	Sundt	8/7/2019
Draft Construction Management Plan	Sundt	9/25/2019
Draft Construction Permitting/Environmental Management Plan	Sundt	9/30/2019
Draft Pre-Qualification and Front-End Bid Documents	Sundt	10/23/2019
WTP_1.0 mid-60% Draft OPCC Submittal	CDM	10/4/2019
WTP_1.0 mid-60% Draft OPCC	Sundt	11/4/2019
WTP_1.0 mid-60% Final OPCC	Sundt	11/29/2019
Submit Tech Memo Package	CDM	12/31/2019
Draft Commissioning and Startup Plan	Sundt	2/12/2020
60% and Land Use Pre-Submittal Workshop	CDM	2/25/2020
Submit 60% Design Deliverables	CDM	2/25/2020
Submit Draft Land Use Package	CDM	2/25/2020
Tech Memo Package Comments Due	Sundt	2/24/2020

Updated Construction Management Plan	Sundt	3/23/2019
Review Comments on Engineer's 60% Design Deliverables	Sundt	3/27/2020
60% Design Complete	CDM	4/28/2020
60% Design Draft OPCC (including BOE)	Sundt	5/19/2020
Draft Construction Phase Progress Schedule	Sundt	5/19/2020
Draft Operation and Maintenance Plan	Sundt	5/19/2020
Updated Pre-Qualification and Front-End Bid Documents	Sundt	6/2/2020
60% Design OPCC Workshop	Sundt	6/17/2020
Updated Construction Permitting/Environmental Management Plan	Sundt	8/12/2020
Updated Procurement Plan	Sundt	8/12/2020
Updated Construction Market Survey Report	Sundt	8/12/2020
Submit 90% Design Deliverables	CDM	12/21/2020
90% Design VE/Constructability Memorandum	Sundt	N/A
Review Comments on Engineer's 90% Design Deliverables	Sundt	1/21/2021
VE/Constructability Workshop #3	WWSP/Sundt	1/21/2021
Hold for LUBA Appeal – Begin (1)	n/a	N/A
Updated Pre-Qualification and Front-End Bid Documents	Sundt	2/2/2021
Updated Project Execution Plan (PEP) Update	Sundt	2/17/2021
Final Construction Management Plan	Sundt	2/17/2021
Updated Commissioning and Startup Plan	Sundt	2/23/2021
90% Design Complete	CDM	3/1/2021
90% Design OPCC (including BOE)	Sundt	3/23/2021
Updated Construction Phase Progress Schedule	Sundt	3/23/2021
Submit draft 100% Design Deliverables	CDM	7/16/2021
Final Construction Management Plan	Sundt	7/23/2021
Hold for LUBA Appeal - End	n/a	N/A
Final Procurement Plan	Sundt	N/A
Final Construction Market Survey Report	Sundt	7/26/2021
100% Design Deliverables Comments Due	Sundt	8/3/2021
Updated Construction Permitting/Environmental Management Plan	Sundt	N/A
100% Design Complete, including Signed and Sealed Design Documents for GMP Development	CDM	9/20/2021
Final Pre-Qualification and Front-End Bid Documents	Sundt	9/24/2021
Final Construction Permitting/Environmental Management Plan	Sundt	9/24/2021
Final Commissioning and Startup Plan	Sundt	9/24/2021
Final Construction Phase Progress Schedule	Sundt	10/8/2021
Draft Health and Safety Plan for Construction Phase	Sundt	10/18/2021
Draft GMP1-for-Construction-Phase-1	Sundt	12/10/2021
100% Design OPCC for GMP2 (including BOE)	Sundt	12/17/2021
Final GMP1-for-Construction-Phase-1	Sundt	1/12/2022
LNTF for Work-Package-GMP1-(Anticipated)	WWSP/Sundt	2/18/2022
Construction NTP for Work-Package-GMP1 (Anticipated)	WWSP/Sundt	4/8/2022
Annual OPCC (including BOE) for remaining-GMP2s	Sundt	10/7/2022
Draft GMP2-for-Construction-Phase-2 (Anticipated)	Sundt	6/23/2023

Final GMP2 for Construction Phase 2 (Anticipated)	Sundt	8/31/2023
Construction NTP for Work Package GMP2 (Anticipated)	WWSP/Sundt	10/24/2023
Annual OPCC (including BOE) for remaining GMP2s	Sundt	3/15/2023
Draft GMP for Construction Phase 3	Sundt	6/23/2023
Final GMP for Construction Phase 3	Sundt	8/31/2023
Construction NTP for Work Package 3 (Anticipated)	Sundt	10/24/2023
Updated Operation and Maintenance Plan	Sundt	12/29/2023
Final Operation and Maintenance Plan	Sundt	5/31/2024
RWF Facility Complete (Anticipated)	n/a	12/31/2024
Completion of the 30-Day Process Startup Phase as defined by Specification Section 01 75 17 – 1.9.FWTP Startup and Commissioning Complete (Anticipated)	Sundt	7/25/2025
Transmission System Startup and Commissioning Complete (Anticipated)	Sundt	12/31/2025
Construction Substantial Completion (Anticipated)	Sundt	12/31/2025
Final Completion	Sundt	3/26/2026

1. All deliverables (initial and updated) shall be delivered electronically through e-Builder and include a draft and final submittal.
2. The Owner will provide consolidated and adjudicated comments within fifteen (15) business days following receipt of CM/GC Contractor's Design Phase draft deliverables.
3. Unless otherwise agreed to in advance with the Owner, all of CM/GC Contractor's final Deliverables are due within ten (10) business days of receipt of the Owner's comments.
4. Meeting/workshop agendas shall be submitted to the Owner a minimum of four (4) business days prior to the meeting/workshop. Meeting/workshop summaries shall be submitted to the Owner within one (1) week of each meeting/workshop.
5. Biweekly design progress meetings schedule to be provided to CM/GC Contractor Schedule assumes two phases of construction and one GMP per phase
6. Application for Payment and Progress Reports shall be submitted by CM/GC Contractor on a monthly basis. Net spend reports shall be submitted by CM/GC Contractor on a quarterly basis.

¹If Land Use Appeal (LUBA) is not required, the project schedule shall not be accelerated without prior, written approval by Owner


To the extent that the provisions of this Amendment are inconsistent with the provisions of the Agreement, the parties intend for this Amendment to be controlling. The parties do not intend for this Amendment to affect, modify, repeal, replace, or amend any other term, condition, or provision of the Agreement, which shall remain in full force and effect subject to this Amendment.

IN WITNESS WHEREOF, the parties hereto have set their hands as of the day and year hereinafter written, the latest of which date shall be the effective date of this Amendment.

SUNDT CONSTRUCTION, INC.

Reviewed
RPS
Legal

**WILLAMETTE WATER SUPPLY
SYSTEM COMMISSION**

By 

By 

Print Name: Gary Michael Hoover
As Its President and CEO

Print Name: David Kraska
As Its General Manager

Date! February 11, 2022

Date 2-11-2022

EXHIBIT
WIFIA Program Requirements
Willamette Water Supply System

Tualatin Valley Water District, the City of Hillsboro, the Willamette Water Supply System (WWSS) Commission, the WWSS Commission's contractors¹, and subcontractors² at all tiers are required to comply with certain Federal requirements as a condition of Water Infrastructure Finance and Innovation Act (WIFIA) funding. Those Federal laws, regulations, and similar requirements are provided in this exhibit.

Contractors and subcontractors providing goods and services for the WWSS are required to:

- Ensure compliance with these WIFIA Program Requirements to the extent each requirement applies to a company's services for WWSS;
- Ensure compliance with these WIFIA Program Requirements by all of a company's subcontractors, at all tiers, to the extent each requirement applies to a subcontracted company's services for WWSS; and
- Ensure the goods and services provided for the WWSS are compliant with, and support WWSS construction in compliance with, these WIFIA Program Requirements.

Nothing in this exhibit shall reduce a contractor's obligations under the contractor's existing contract. In the event of a conflict between this exhibit and the contractor's contract, the more stringent interpretation shall apply. Portions of this exhibit are drawn from Federal law, regulation, Executive Order, or suggested language. Terminology used in this exhibit shall be interpreted as used in the corresponding Federal law, regulation, or Executive Order. Some clarifications regarding terminology are provided as appropriate to relate this exhibit to typical contracts for the WWSS.

The table below identifies the major sections of this exhibit and the presumed applicability to professional services and construction contractors and subcontractors. Each contractor and subcontractor must determine whether additional requirements within this exhibit, beyond those identified in the table, are applicable to the contractor or subcontractor.

¹ The term "contractor" shall mean any company providing goods and services for the WWSS under an agreement, contract, purchase order, or similar instrument for purposes of this exhibit.

² The term "subcontractor" shall mean any company providing goods and services for the WWSS to a contractor under an agreement, contract, purchase order, or similar instrument.

**Presumed Applicability of WIFIA Program Requirements
to Categories of Contractors and Subcontractors**

Section Number and Title (within this exhibit)	Applicability ¹	
	Professional Services Contractors and Subcontractors (all tiers)	Construction Contractors and Subcontractors ² (all tiers)
I. Applicable Federal Laws	<ul style="list-style-type: none"> • Comply with the Federal laws during contracted work • Provide deliverables that support and enable WWSS compliance with Federal laws 	<ul style="list-style-type: none"> • Include the listed Federal laws in contracts and subcontracts • Comply with Federal laws during contracted work • Construct WWSS in compliance with Federal laws
II. Economic and Miscellaneous Authorities	<ul style="list-style-type: none"> • Provide deliverables that support and enable WWSS compliance with the Federal requirements language 	<ul style="list-style-type: none"> • Include the Federal requirements language in contracts and subcontracts • Comply with the Federal requirements language during contracted work • Construct WWSS in compliance with the Federal requirements language
III. Civil Rights, Nondiscrimination, EEO Authorities	<ul style="list-style-type: none"> • Provide deliverables that support and enable WWSS compliance with the Federal requirements language 	<ul style="list-style-type: none"> • Include the Federal requirements language in contracts and subcontracts • Comply with the Federal requirements language during contracted work • Construct WWSS in compliance with the Federal requirements language
IV. American Iron and Steel and Federal Labor Standards	<ul style="list-style-type: none"> • Provide deliverables that support and enable WWSS compliance with the Federal requirements language 	<ul style="list-style-type: none"> • Include the Federal requirements language in contracts and subcontracts • Comply with the Federal requirements language during contracted work • Construct WWSS in compliance with the Federal requirements language

¹ Each contractor and subcontractor is individually responsible for determining whether additional WIFIA Program Requirements within this exhibit are applicable.

² A construction contractor or subcontractor is a company performing the actual construction, alteration, and/or repair, including painting and decorating, of WWSS infrastructure.

I. Applicable Federal Laws

The following Federal Laws shall apply:

- A. Age Discrimination Act, Pub. L. 94-135;
- B. Archeological and Historic Preservation Act, Pub. L. 93-291, as amended;
- C. Civil Rights Laws;
- D. Clean Air Act, Pub. L. 95-95, as amended;
- E. Clean Water Act, Titles III, IV and V, Pub. L. 92-500, as amended;
- F. Coastal Barrier Resources Act, Pub. L. 97-348;
- G. Coastal Zone Management Act, Pub. L. 92-583, as amended;
- H. Debarment and Suspension, Executive Order 12549;
- I. Demonstration Cities and Metropolitan Development Act, Pub. L. 89 -754, as amended, and Executive Order 12372;
- J. Drug-Free Workplace Act, Pub. L. 100-690;
- K. Endangered Species Act, Pub. L. 93-205, as amended;
- L. Equal Employment Opportunity, Executive Order 11246;
- M. Farmland Protection Policy Act, Pub. L. 97-98;
- N. Fish and Wildlife Coordination Act, Pub. L. 85-624, as amended;
- O. Floodplain Management, Executive Order 11988, 42 FR 26951, May 24, 1977, as amended by Executive Order 13690, 80 FR 6425, February 4, 2015;
- P. Labor Standards, 33 U.S.C. § 1372;
- Q. Magnuson-Stevens Fishery Conservation and Management Act, Pub. L. 94-265;
- R. National Historic Preservation Act, Pub. L. 89-655, as amended;
- S. National Environmental Policy Act of 1969, 42 U.S.C. 4321 et seq.;
- T. New Restrictions on Lobbying, Section 319 of Pub. L. 101-121;
- U. Populations Environmental Justice, Executive Order 12898;
- V. Prohibitions relating to violations of the Clean Water Act or Clean Air Act with respect to federal contracts, grants, or loans under Section 306 of the Clean Air Act and Section 508 of the Clean Water Act, and Executive Order 11738;
- W. Protection of Wetlands, Executive Order 11990 as amended by Executive Order 12608;

- X. Safe Drinking Water Act, Pub L. 93-523, as amended;
- Y. Section 13 of the Clean Water Act, Pub. L. 92-500;
- Z. Section 504 of the Rehabilitation Act, Pub. L. 93-112 supplemented by Executive Orders 11914 and 11250;
- AA. Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d et seq.);
- BB. Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (42 U.S.C. § 4601 et seq.);
- CC. Wild and Scenic Rivers Act, Pub. L. 90-54, as amended
- DD. Bald and Golden Eagle Protection Act, 16 U.S.C §§ 470aa-mm
- EE. Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations Environmental Justice, Executive Order 12898
- FF. Marine Mammal Protection Act, 16 U.S.C. §§ 1361-1407
- GG. Migratory Bird Treaty Act, 16 U.S.C. §§ 703-712
- HH. Native American Graves Protection and Repatriation Act, 25 U.S.C. §§ 3001 et seq.
- II. Rivers and Harbors Act, 33 U.S.C. 403
- JJ. Wilderness Act, 16 U.S.C. §§ 1131 et seq.
- KK. Labor Standards, 40 U.S.C. §§ 3141-3144, 3146 and 3147
- LL. The John S. McCain National Defense Authorization Act for Fiscal Year 2019, Pub. L. 115-232 at Section 889

II. Economic and Miscellaneous Authorities

A. Debarment and Suspension, Executive Order 12549, 51 FR 6370, February 21, 1986

Contractor certifies that it will not knowingly enter into a contract with anyone who is ineligible under the 40 CFR Part 32 to participate in the Project³. Suspension and debarment information can be accessed at <http://www.sam.gov>. Contractor represents and warrants that it has or will include a term or conditions requiring compliance with this provision in all its subcontracts under this Agreement⁴.

B. New Restrictions on Lobbying, 31 USC 1352 (Federal Lobbying Restrictions)

Recipients of federal financial assistance may not pay any person for influencing or attempting to influence any officer or employee of a federal agency, a member of Congress, an officer or employee of Congress, or an employee of a member of Congress with respect to the award, continuation, renewal, amendment, or modification of a federal grant, loan, or contract. These requirements are implemented for USEPA in 40 CFR Part 34, which also describes types of activities, such as legislative liaison activities and professional and technical services, which are not subject to this prohibition. Upon award of this contract, Contractor shall complete and submit to the Owner⁵ the certification and disclosure forms in Appendix A and Appendix B to 40 CFR Part 34. Contractor shall also require all subcontractors and suppliers of any tier awarded a subcontract over \$100,000 to similarly complete and submit the certification and disclosure forms pursuant to the process set forth in 40 CFR 34.110.

C. Prohibition on Certain Telecommunications and Video Surveillance Services or Equipment (Effective August 13, 2020)

The John S. McCain National Defense Authorization Act for Fiscal Year 2019 (P.L. 115-232), at Section 889, prohibits EPA financial assistance recipients, including WIFIA borrowers, from expending loan funds to procure or obtain; extend or renew a contract to procure or obtain; or enter into a contract (or extend or renew a contract) to procure or obtain equipment, services, or systems that use covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. As described in the Act, "covered telecommunications equipment or services" means:

- a) Telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities).
- b) For the purpose of public safety, security of government facilities, physical security surveillance of critical infrastructure, and other national security purposes, video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology

³ The term "Project" shall mean WWSS or any component of WWSS for purposes of Section II.A of this exhibit.

⁴ The term "Agreement" shall mean "Contract" or "Agreement" for purposes of Section II.A. of this exhibit.

⁵ The term "Owner" shall mean the WWSS Commission for purposes of this exhibit.

Company (or any subsidiary or affiliate of such entities).

c) Telecommunications or video surveillance services provided by such entities or using such equipment.

d) Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of the National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.

The Act does not prohibit:

a) Procuring with an entity to provide a service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements.

b) Telecommunications equipment that cannot route or redirect user data traffic or permit visibility into any user data or packets that such equipment transmits or otherwise handles.

III. Civil Rights, Nondiscrimination, EEO Authorities

A. Civil Rights Obligations

Contractor shall comply with the following federal non-discrimination requirements:

- a. Title VI of the Civil Rights Act of 1964, which prohibits discrimination based on race, color, and national origin, including limited English proficiency (LEP).
- b. Section 504 of the Rehabilitation Act of 1973, which prohibits discrimination against persons with disabilities.
- c. The Age Discrimination Act of 1975, which prohibits age discrimination.
- d. Section 13 of the Federal Water Pollution Control Act Amendments of 1972, which prohibits discrimination on the basis of sex.
- e. 40 CFR Part 7, as it relates to the foregoing.
- f. Executive Order No. 11246

B. Equal Employment Opportunity, EO 11246, 30 FR 12319, September 28, 1965

1. *Equal Employment Opportunity Obligations Under EO 11246:*

The Contractor shall comply with Executive Order 11246, entitled 'Equal Employment Opportunity,' as amended by Executive Order 11375, and as supplemented in Department of Labor regulations (41 CFR Part 60).

Contractor's compliance with Executive Order 11246 shall be based on implementation of the Equal Opportunity Clause, and specific affirmative active obligations required by the Standard Federal Equal Employment Opportunity Construction Contract Specifications, as set forth in 41 CFR Part 60-4.

During the performance of this contract, the contractor agrees as follows:

- 1) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the WWSS contracting officer setting forth the provisions of this nondiscrimination clause.
- 2) The contractor will, in all solicitations or advancements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive

consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin.

- 3) The contractor will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with the contractor's legal duty to furnish information.
- 4) The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice, to be provided by the agency contracting officer, advising the labor union or workers' representative of the contractor's commitments under Section 202 of Executive Order No. 11246 of September 24, 1965, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- 5) The contractor will comply with all provisions of Executive Order No. 11246 of Sept. 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
- 6) The contractor will furnish all information and reports required by Executive Order No. 11246 of September 24, 1965, and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the contracting agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
- 7) In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of such rules, regulations, or orders, this contract may be cancelled, terminated, or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order No. 11246 of Sept. 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order No. 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.
- 8) The contractor will include the provisions of paragraphs (1) through (8) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order No. 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as may be directed by the Secretary of Labor as a means of enforcing such provisions including sanctions for noncompliance: Provided, however, that in the event the contractor becomes involved in, or is threatened with, litigation with a

subcontractor or vendor as a result of such direction, the contractor may request the United States to enter into such litigation to protect the interests of the United States. [Sec. 202 amended by EO 11375 of Oct. 13, 1967, 32 FR 14303, 3 CFR, 1966–1970 Comp., p. 684, EO 12086 of Oct. 5, 1978, 43 FR 46501, 3 CFR, 1978 Comp., p. 230, EO 13665 of April 8, 2014, 79 FR 20749, EO 13672 of July 21, 2014, 79 FR 42971]

2. *Standard Federal Equal Employment Opportunity Construction Contract Specifications (Executive Order 11246) located at 41 CFR 60-4.3:*

- 1) As used in these specifications⁶:
 - a) “Covered area” means the geographical area described in the solicitation from which this contract resulted;
 - b) “Director” means Director, Office of Federal Contract Compliance Programs, United States Department of Labor, or any person to whom the Director delegates authority;
 - c) “Employer identification number” means the Federal Social Security number used on the Employer's Quarterly Federal Tax Return, U.S. Treasury Department Form 941.
 - d) “Minority” includes:
 - i) Black (all persons having origins in any of the Black African racial groups not of Hispanic origin);
 - ii) Hispanic (all persons of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish Culture or origin, regardless of race);
 - iii) Asian and Pacific Islander (all persons having origins in any of the original peoples of the Far East, Southeast Asia, the Indian Subcontinent, or the Pacific Islands); and
 - iv) American Indian or Alaskan Native (all persons having origins in any of the original peoples of North America and maintaining identifiable tribal affiliations through membership and participation or community identification).
- 2) Whenever the Contractor, or any Subcontractor at any tier, subcontracts a portion of the work involving any construction trade, it shall physically include in each subcontract in excess of \$10,000 the provisions of these specifications and the Notice which contains the applicable goals for minority and female participation and which is set forth in the solicitations from which this contract resulted.
- 3) If the Contractor is participating (pursuant to 41 CFR 60-4.5) in a Hometown Plan approved by the U.S. Department of Labor in the covered area either individually or through an association, its affirmative action obligations on all work in the Plan area (including goals and timetables) shall be in accordance with that Plan for those trades which have unions participating in the Plan. Contractors must be able to demonstrate their participation in and compliance with the provisions of any such Hometown Plan. Each Contractor or Subcontractor participating in an approved Plan is individually required to comply with its obligations under the EEO clause, and to make a good faith effort to achieve each goal under the Plan

⁶ The term “specifications” shall mean “Contract” or “Agreement” for purposes of Section III.B.2 of this exhibit.

in each trade in which it has employees. The overall good faith performance by other Contractors or Subcontractors toward a goal in an approved Plan does not excuse any covered Contractor's or Subcontractor's failure to take good faith efforts to achieve the Plan goals and timetables.

- 4) The Contractor shall implement the specific affirmative action standards provided in paragraphs 7 a through p of these specifications. The goals set forth in the solicitation from which this contract resulted are expressed as percentages of the total hours of employment and training of minority and female utilization the Contractor should reasonably be able to achieve in each construction trade in which it has employees in the covered area. Covered construction contractors performing construction work in geographical areas where they do not have a Federal or federally assisted construction contract shall apply the minority and female goals established for the geographical area where the work is being performed. Goals are published periodically in the Federal Register in notice form, and such notices may be obtained from any Office of Federal Contract Compliance Programs office or from Federal procurement contracting officers. The Contractor is expected to make substantially uniform progress in meeting its goals in each craft during the period specified.
- 5) Neither the provisions of any collective bargaining agreement, nor the failure by a union with whom the Contractor has a collective bargaining agreement, to refer either minorities or women shall excuse the Contractor's obligations under these specifications, Executive Order 11246, or the regulations promulgated pursuant thereto.
- 6) In order for the nonworking training hours of apprentices and trainees to be counted in meeting the goals, such apprentices and trainees must be employed by the Contractor during the training period, and the Contractor must have made a commitment to employ the apprentices and trainees at the completion of their training, subject to the availability of employment opportunities. Trainees must be trained pursuant to training programs approved by the U.S. Department of Labor.
- 7) The Contractor shall take specific affirmative actions to ensure equal employment opportunity. The evaluation of the Contractor's compliance with these specifications shall be based upon its effort to achieve maximum results from its actions. The Contractor shall document these efforts fully, and shall implement affirmative action steps at least as extensive as the following:
 - a) Ensure and maintain a working environment free of harassment, intimidation, and coercion at all sites, and in all facilities at which the Contractor's employees are assigned to work. The Contractor, where possible, will assign two or more women to each construction project. The Contractor shall specifically ensure that all foremen, superintendents, and other on-site supervisory personnel are aware of and carry out the Contractor's obligation to maintain such a working environment, with specific attention to minority or female individuals working at such sites or in such facilities.
 - b) Establish and maintain a current list of minority and female recruitment sources, provide written notification to minority and female recruitment sources and to community organizations when the Contractor or its unions have employment opportunities available, and maintain a record of the

- organizations' responses.
- c) Maintain a current file of the names, addresses and telephone numbers of each minority and female off-the-street applicant and minority or female referral from a union, a recruitment source or community organization and of what action was taken with respect to each such individual. If such individual was sent to the union hiring hall for referral and was not referred back to the Contractor by the union or, if referred, not employed by the Contractor, this shall be documented in the file with the reason therefor, along with whatever additional actions the Contractor may have taken.
 - d) Provide immediate written notification to the Director when the union or unions with which the Contractor has a collective bargaining agreement has not referred to the Contractor a minority person or woman sent by the Contractor, or when the Contractor has other information that the union referral process has impeded the Contractor's efforts to meet its obligations.
 - e) Develop on-the-job training opportunities and/or participate in training programs for the area which expressly include minorities and women, including upgrading programs and apprenticeship and trainee programs relevant to the Contractor's employment needs, especially those programs funded or approved by the Department of Labor. The Contractor shall provide notice of these programs to the sources compiled under 7b above.
 - f) Disseminate the Contractor's EEO policy by providing notice of the policy to unions and training programs and requesting their cooperation in assisting the Contractor in meeting its EEO obligations; by including it in any policy manual and collective bargaining agreement; by publicizing it in the company newspaper, annual report, etc.; by specific review of the policy with all management personnel and with all minority and female employees at least once a year; and by posting the company EEO policy on bulletin boards accessible to all employees at each location where construction work is performed.
 - g) Review, at least annually, the company's EEO policy and affirmative action obligations under these specifications with all employees having any responsibility for hiring, assignment, layoff, termination or other employment decisions including specific review of these items with onsite supervisory personnel such as Superintendents, General Foremen, etc., prior to the initiation of construction work at any job site. A written record shall be made and maintained identifying the time and place of these meetings, persons attending, subject matter discussed, and disposition of the subject matter.
 - h) Disseminate the Contractor's EEO policy externally by including it in any advertising in the news media, specifically including minority and female news media, and providing written notification to and discussing the Contractor's EEO policy with other Contractors and Subcontractors with whom the Contractor does or anticipates doing business.
 - i) Direct its recruitment efforts, both oral and written, to minority, female and community organizations, to schools with minority and female students and to minority and female recruitment and training organizations serving the Contractor's recruitment area and employment needs. Not later than one month prior to the date for the acceptance of applications for apprenticeship

- or other training by any recruitment source, the Contractor shall send written notification to organizations such as the above, describing the openings, screening procedures, and tests to be used in the selection process.
- j) Encourage present minority and female employees to recruit other minority persons and women and, where reasonable, provide after school, summer and vacation employment to minority and female youth both on the site and in other areas of a Contractor's work force.
 - k) Validate all tests and other selection requirements where there is an obligation to do so under 41 CFR part 60-3.
 - l) Conduct, at least annually, an inventory and evaluation at least of all minority and female personnel for promotional opportunities and encourage these employees to seek or to prepare for, through appropriate training, etc., such opportunities.
 - m) Ensure that seniority practices, job classifications, work assignments and other personnel practices, do not have a discriminatory effect by continually monitoring all personnel and employment related activities to ensure that the EEO policy and the Contractor's obligations under these specifications are being carried out.
 - n) Ensure that all facilities and company activities are non-segregated except that separate or single-user toilet and necessary changing facilities shall be provided to assure privacy between the sexes.
 - o) Document and maintain a record of all solicitations of offers for subcontracts from minority and female construction contractors and suppliers, including circulation of solicitations to minority and female contractor associations and other business associations.
 - p) Conduct a review, at least annually, of all supervisors' adherence to and performance under the Contractor's EEO policies and affirmative action obligations.
- 8) Contractors are encouraged to participate in voluntary associations which assist in fulfilling one or more of their affirmative action obligations (7a through p). The efforts of a contractor association, joint contractor-union, contractor-community, or other similar group of which the contractor is a member and participant, may be asserted as fulfilling any one or more of its obligations under 7a through p of these Specifications provided that the contractor actively participates in the group, makes every effort to assure that the group has a positive impact on the employment of minorities and women in the industry, ensures that the concrete benefits of the program are reflected in the Contractor's minority and female workforce participation, makes a good faith effort to meet its individual goals and timetables, and can provide access to documentation which demonstrates the effectiveness of actions taken on behalf of the Contractor. The obligation to comply, however, is the Contractor's and failure of such a group to fulfill an obligation shall not be a defense for the Contractor's noncompliance.
 - 9) A single goal for minorities and a separate single goal for women have been established. The Contractor, however, is required to provide equal employment opportunity and to take affirmative action for all minority groups, both male and female, and all women, both minority and non-minority. Consequently, the Contractor may be in violation of the Executive Order if a particular group is

employed in a substantially disparate manner (for example, even though the Contractor has achieved its goals for women generally, the Contractor may be in violation of the Executive Order if a specific minority group of women is underutilized).

- 10) The Contractor shall not use the goals and timetables or affirmative action standards to discriminate against any person because of race, color, religion, sex, sexual orientation, gender identity, or national origin.
- 11) The Contractor shall not enter into any Subcontract with any person or firm debarred from Government contracts pursuant to Executive Order 11246.
- 12) The Contractor shall carry out such sanctions and penalties for violation of these specifications and of the Equal Opportunity Clause, including suspension, termination and cancellation of existing subcontracts as may be imposed or ordered pursuant to Executive Order 11246, as amended, and its implementing regulations, by the Office of Federal Contract Compliance Programs. Any Contractor who fails to carry out such sanctions and penalties shall be in violation of these specifications and Executive Order 11246, as amended.
- 13) The Contractor, in fulfilling its obligations under these specifications, shall implement specific affirmative action steps, at least as extensive as those standards prescribed in paragraph 7 of these specifications, so as to achieve maximum results from its efforts to ensure equal employment opportunity. If the Contractor fails to comply with the requirements of the Executive Order, the implementing regulations, or these specifications, the Director shall proceed in accordance with 41 CFR 60-4.8.
- 14) The Contractor shall designate a responsible official to monitor all employment related activity to ensure that the company EEO policy is being carried out, to submit reports relating to the provisions hereof as may be required by the Government and to keep records. Records shall at least include for each employee the name, address, telephone numbers, construction trade, union affiliation if any, employee identification number when assigned, social security number, race, sex, status (e.g., mechanic, apprentice trainee, helper, or laborer), dates of changes in status, hours worked per week in the indicated trade, rate of pay, and locations at which the work was performed. Records shall be maintained in an easily understandable and retrievable form; however, to the degree that existing records satisfy this requirement, contractors shall not be required to maintain separate records.
- 15) Nothing herein provided shall be construed as a limitation upon the application of other laws which establish different standards of compliance or upon the application of requirements for the hiring of local or other area residents (e.g., those under the Public Works Employment Act of 1977 and the Community Development Block Grant Program).

3. *Segregated Facilities, 41 CFR 60-1.8*

The contractor must ensure that facilities provided for employees are provided in such a manner that segregation on the basis of race, color, religion, sex, sexual orientation, gender identity, or national origin cannot result. The contractor may neither require such segregated use by written or oral policies nor tolerate such use by employee custom. The contractor's obligation extends further to ensuring that its

employees are not assigned to perform their services at any location, under the contractor's control, where the facilities are segregated. This obligation extends to all contracts containing the equal opportunity clause regardless of the amount of the contract. The term "facilities," as used in this section, means waiting rooms, work areas, restaurants and other eating areas, time clocks, restrooms, wash rooms, locker rooms, and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing provided for employees; Provided, That separate or single-user restrooms and necessary dressing or sleeping areas shall be provided to assure privacy between the sexes.

4. *Notice of Requirement for Affirmative Action to Ensure Equal Employment Opportunity (Executive Order 11246) located at 41 CFR § 60-4.2:*

1. The Offeror's or Bidder's⁷ attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Specifications" set forth herein.
2. The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

Time-tables	Goals for minority participation for each trade	Goals for female participation in each trade
Term of Contract	4.5%	6.9%

These goals are applicable to all the Contractor's construction work (whether or not it is Federal or federally assisted) performed in the covered area. If the contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor also is subject to the goals for both its federally involved and non-federally involved construction.

The Contractor's compliance with the Executive Order and the regulations in 41 CFR part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a), and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the

⁷ The terms "Offerer" or "Bidder" shall mean contractor for purposes of Section III.B.4 of this exhibit.

regulations in 41 CFR part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within 10 working days of award of any construction subcontract in excess of \$10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address and telephone number of the subcontractor; employer identification number of the subcontractor; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the subcontract is to be performed.
4. As used in this Notice, and in the contract resulting from this solicitation, the "covered area" is Washington County and Clackamas County], Oregon.

C. Participation by Disadvantaged Business Enterprises (DBE) in Procurement under EPA Financial Assistance Agreements, 73 FR 15904

Contractor agrees to comply with the requirements of USEPA's Program for Utilization of Small, Minority and Women's Business Enterprises. The DBE rule can be accessed at www.epa.gov/osbp. Contractor shall comply with 40 CFR Section 33.301, and retain all records documenting compliance with the six good faith efforts. The Contractor shall not discriminate on the basis of race, color, national origin or sex in the performance of this contract. The Contractor shall carry out applicable requirements of 40 CFR part 33 in the award and administration of contracts awarded under EPA financial assistance agreements. Failure by the Contractor to carry out these requirements is a material breach of this contract which may result in the termination of this contract or other legally available remedies.

Contractor shall notify Owner in writing prior to any termination of a DBE subcontractor. If a DBE subcontractor fails to complete work under the subcontract for any reason, Contractor must employ the six good faith efforts if soliciting a replacement subcontractor. Contractor shall pay its subcontractor for satisfactory performance no more than 30 days from receipt of payment.

IV. American Iron and Steel and Federal Labor Standards**A. American Iron and Steel Requirement**

The Contractor acknowledges to and for the benefit of Owner (“Purchaser”) and the United States Environmental Protection Agency (“EPA”) that it understands the goods and services under this Agreement are being funded with monies made available by the Water Infrastructure Finance and Innovation Act program of the EPA that has statutory requirements commonly known as “American Iron and Steel” that requires all of the iron and steel products used in the project to be produced in the United States (“American Iron and Steel Requirement”) including iron and steel products provided by the Contractor pursuant to this Agreement. The Contractor hereby represents, warrants and covenants to and for the benefit of the Purchaser and the EPA that (a) the Contractor has reviewed and understands the American Iron and Steel Requirement, (b) all of the iron and steel products used in the project will be and/or have been produced in the United States in a manner that complies with the American Iron and Steel Requirement, unless a waiver of the requirement is approved, and (c) the Contractor will provide any further verified information, certification or assurance of compliance with this paragraph, or information necessary to support a waiver of the American Iron and Steel Requirement, as may be requested by the Purchaser or the EPA. Notwithstanding any other provision of this Agreement, any failure to comply with this paragraph by the Contractor shall permit the Purchaser or the EPA to recover as damages against the Contractor any loss, expense, or cost (including without limitation attorney’s fees) incurred by the Purchaser or the EPA resulting from any such failure (including without limitation any impairment or loss of funding, whether in whole or in part, from the EPA or any damages owed to the EPA by the Purchaser). While the Contractor has no direct contractual privity with the EPA, as a lender to the Purchaser for the funding of its project, the Purchaser and the Contractor agree that the EPA is a third-party beneficiary and neither this paragraph (nor any other provision of this Agreement necessary to give this paragraph force or effect) shall be amended or waived without the prior written consent of the EPA.

B. Compliance with Davis Bacon and Related Acts

- (a) In any contract in excess of \$2,000 which is entered into for the actual construction, alteration and/or repair, including painting and decorating, of a public building or public work, or building or work financed in whole or in part from Federal funds or in accordance with guarantees of a Federal agency or financed from funds obtained by pledge of any contract of a Federal agency to make a loan, grant or annual contribution (except where a different meaning is expressly indicated), and which is subject to the labor standards provisions of any of the acts listed in [29 CFR] § 5.1, the following clauses (or any modifications thereof to meet the particular needs of the agency, provided that such modifications are first approved by the Department of Labor):
- (1) Minimum wages.
 - (i) All laborers and mechanics employed or working upon the site of the work (or under the United States Housing Act of 1937 or under the Housing Act of 1949 in the construction or development of the project), will be paid unconditionally and not less often than once a week, and without subsequent

deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics. Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph (a)(1)(iv) of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in § 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph (a)(1)(ii) of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

(ii)

- (A) The WWSS contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:
- (1) The work to be performed by the classification requested is not performed by a classification in the wage determination; and
 - (2) The classification is utilized in the area by the construction industry; and
 - (3) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.
- (B) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve,

- modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.
- (C) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.
- (D) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs (a)(1)(ii) (B) or (C) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.
- (iii) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.
- (iv) If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, Provided, That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.
- (2) Withholding. The Owner shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld from the contractor under this contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work (or under the United States Housing Act of 1937 or under the Housing Act of 1949 in the construction or development of the project), all or part of the wages required by the contract, the EPA may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.
- (3) Payrolls and basic records.

- (i) Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work (or under the United States Housing Act of 1937, or under the Housing Act of 1949, in the construction or development of the project). Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.
- (ii)
 - (A) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the EPA if the agency is a party to the contract, but if the agency is not such a party, the contractor will submit the payrolls to the applicant, sponsor, or owner, as the case may be, for transmission to the EPA. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Web site at <http://www.dol.gov/esa/whd/forms/wh347instr.htm> or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the EPA if the agency is a party to the contract, but if the agency is not such a party, the contractor will submit them to the applicant, sponsor, or owner, as the case may be, for transmission to the EPA, the contractor, or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a

- subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the sponsoring government agency (or the applicant, sponsor, or owner).
- (B) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:
- (1) That the payroll for the payroll period contains the information required to be provided under § 5.5 (a)(3)(ii) of Regulations, 29 CFR part 5, the appropriate information is being maintained under § 5.5 (a)(3)(i) of Regulations, 29 CFR part 5, and that such information is correct and complete;
 - (2) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;
 - (3) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.
- (C) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph (a)(3)(ii)(B) of this section.
- (D) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.
- (iii) The contractor or subcontractor shall make the records required under paragraph (a)(3)(i) of this section available for inspection, copying, or transcription by authorized representatives of the EPA or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the Federal agency may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.
- (4) Apprentices and trainees
- (i) Apprentices. Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in

his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

- (ii) Trainees. Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with

the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

- (iii) Equal employment opportunity. The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.
- (5) Compliance with Copeland Act requirements. The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract.
- (6) Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses contained in 29 CFR 5.5(a)(1) through (10) and such other clauses as the EPA may by appropriate instructions require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.
- (7) Contract termination: debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.
- (8) Compliance with Davis-Bacon and Related Act requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract.
- (9) Disputes concerning labor standards. Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.
- (10) Certification of eligibility.
 - (i) By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).
 - (ii) No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).
 - (iii) The penalty for making false statements is prescribed in the U.S. Criminal

Code, 18 U.S.C. 1001.

- (b) Contract Work Hours and Safety Standards Act. The following clauses set forth in paragraphs (b)(1), (2), (3), and (4) of this section shall be inserted in full in any contract in an amount in excess of \$100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by § 5.5(a) or § 4.6 of part 4 of this title. As used in this paragraph, the terms laborers and mechanics include watchmen and guards.
- (1) Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.
 - (2) Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (b)(1) of this section the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (b)(1) of this section, in the sum of \$25 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (b)(1) of this section.
 - (3) Withholding for unpaid wages and liquidated damages. The (write in the name of the Federal agency or the loan or grant recipient) shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (b)(2) of this section.
 - (4) Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (b)(1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (b)(1) through (4) of this section.
- (c) In addition to the clauses contained in paragraph (b), in any contract subject only to the Contract Work Hours and Safety Standards Act and not to any of the other statutes cited in § 5.1, the contractor or subcontractor shall maintain payrolls and

basic payroll records during the course of the work and shall preserve them for a period of three years from the completion of the contract for all laborers and mechanics, including guards and watchmen, working on the contract. Such records shall contain the name and address of each such employee, social security number, correct classifications, hourly rates of wages paid, daily and weekly number of hours worked, deductions made, and actual wages paid. Further, the Agency Head shall cause or require the contracting officer to insert in any such contract a clause providing that the records to be maintained under this paragraph shall be made available by the contractor or subcontractor for inspection, copying, or transcription by authorized representatives of the EPA and the Department of Labor, and the contractor or subcontractor will permit such representatives to interview employees during working hours on the job.

WTP_1.0 CM/GC Cost Allocation Matrix

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Item No.	Contract Document	Section/Article/ Paragraph	Item Description	Design Phase		Construction Phase					Comments
				Not-to-Exceed Fee	Firm Fixed Fee Percentage	General Conditions	Cost of the Work	CM/GC Contingency	GMP Allowances	Owners' Cost	
20	General Conditions	Article 4.05.A	Layout of Work				X				
21	General Conditions	Article 4.06.C	Hazardous Materials not shown on Contract Documents							X	Change Order to GMP
22	General Conditions	Article 4.06.C	Hazardous Materials within Contract Documents or brought to Site by CM/GC and/or Subcontractors and Suppliers.				X				
23	General Conditions	Article 4.06.J	Waste from demolition operations				X				
24	General Conditions	Article 5.01	Performance & Payment Bonds			X					
25	General Conditions	Article 5.03 & 5.04	Liability Insurance	X		X					
26	General Conditions	Article 5.03 and 5.06	Builders risk insurance			X					
27	General Conditions	Article 5.08	Receipt of insurance proceeds		X						
28	General Conditions	Article 6.01	Supervision and Superintendence			X					General Condition for project management and oversight of subcontractors, including staff such as but not limited to; Project Manager, General Superintendent, and Health and Safety Manager.
29	General Conditions	Article 6.01	Supervision and Superintendence				X				Cost of the Work when applicable to self-performed and subcontracted work, including staff such as but not limited to; foremen and superintendents.
30	General Conditions	Article 6.03	Labor, materials, equipment				X				
31	General Conditions	Article 6.04	Progress schedule			X	X				CM/GC management and oversight included in General Conditions.
32	General Conditions	Article 6.06.C	CM/GC errors and omissions (excluding rework due to construction errors)					X			
33	General Conditions	Article 6.06.D	Scheduling Subcontractors and Suppliers			X					
34	General Conditions	Article 6.07.A	License fees and royalties				X				This applies to proprietary products incorporated into the physical work

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Item No.	Contract Document	Section/Article/ Paragraph	Item Description	Design Phase		Construction Phase					Comments
				Not-to-Exceed Fee	Firm Fixed Fee Percentage	General Conditions	Cost of the Work	CM/GC Contingency	GMP Allowances	Owners' Cost	
35	General Conditions	Article 6.07.C	License fees and royalties		X						Cost of the Work when applicable to subcontracted and self-performed work.
36	General Conditions	Article 6.08.A	Permit costs for CM/GC required permits			X	X			X	Cost of the Work when permit required for subcontracted or self-performed work. Owner procured permits by Owners.
37	General Conditions	Article 6.08.A	Permanent utility connections				X			X	
38	General Conditions	Article 6.09.C	Changes in Laws and Regulations after GMP Amendment.							X	
39	General Conditions	Article 6.10.A	Prevailing wages				X				
40	General Conditions	Article 6.10.B	Prevailing wages documentation and fees.			X	X				Cost of Work for subcontracted work only
41	General Conditions	Article 6.11.A.2 and 6.11.A.3	Damage to property and subsequent claims		X						
42	General Conditions	Article 6.11.B	Removal of construction debris			X					
43	General Conditions	Article 6.11.C	Cleaning prior to Substantial Completion			X					
44	General Conditions	Article 6.11.E.1	Safe working environment			X					For general site safety.
45	General Conditions	Article 6.11.E.2	Environmental and adjacent Site considerations when performing the Work				X				
46	General Conditions	Article 6.11.F	Protection of Work and Public - general site			X					For general site safety.
47	General Conditions	Article 6.11.F	Protection of Work and Public - protection of the Work				X				
48	General Conditions	Article 6.11.G	Storing materials and care of structures				X				
49	General Conditions	Article 6.13.C	Payment claims		X						
50	General Conditions	Article 6.14	Drug testing policy		X		X				Cost of the Work for Subcontractors drug testing policy
51	General Conditions	Article 6.15	Environmental compliance			X	X				General Conditions for general site protection. Cost of the Work for environmental protection when performing the Work.

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Item No.	Contract Document	Section/Article/ Paragraph	Item Description	Design Phase		Construction Phase					Comments
				Not-to-Exceed Fee	Firm Fixed Fee Percentage	General Conditions	Cost of the Work	CM/GC Contingency	GMP Allowances	Owners' Cost	
52	General Conditions	Article 6.16	Applicable taxes			X	X				Included in the Cost of the Work for Subcontractors and self performed work.
53	General Conditions	Article 6.17	Hazard Communications (SDS sheets)			X	X				Included in the Cost of the Work for Subcontractors and self performed work.
54	General Conditions	Article 6.18	Protecting the Work and Site during emergencies					X		X	Owners cost only if a Change Order or Work Change Directive is executed.
55	General Conditions	Article 6.20	Warranty and Guarantee				X		X		CM/GC cost for warranty management and oversight from the date of Substantial Completion included in Firm Fixed Fee percentage Cost for warranty repairs included in the Cost of the Work for Subcontractors and self performed work.
56	General Conditions	Article 6.21	Indemnification		X						
57	General Conditions	Article 6.22	Professional Design Services (if required)				X				
58	General Conditions	Article 6.23	Maintaining existing plant operations			X	X				Cost allocated to General Conditions is for the CM/GC oversight. Cost of the Work for subcontracted work.
59	General Conditions	Article 7.01.B	Patch/repairs to integrate work provided by Owners or other utilities				X				
60	General Conditions	Article 7.03.C	CM/GC caused delay to Owner provided or other contractor work.		X						
61	General Conditions	Article 10.01.B	Prepare response to Owners' request for quote.			X					
62	General Conditions	Article 11.01.A.1	Labor for Project Manager, General Superintendents, superintendents and/or general foreman and other project management staff			X					
63	General Conditions	Article 11.01.A.1	Labor for self-performed and subcontracted work.				X				
64	General Conditions	Article 11.01.A.2	Materials and equipment for general Site management.			X					

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Item No.	Contract Document	Section/Article/ Paragraph	Item Description	Design Phase		Construction Phase					Comments
				Not-to-Exceed Fee	Firm Fixed Fee Percentage	General Conditions	Cost of the Work	CM/GC Contingency	GMP Allowances	Owners' Cost	
65	General Conditions	Article 11.01.A.2	Materials and equipment for self-performed and subcontracted work.				X				
66	General Conditions	Article 11.01.A.3	Payments to Subcontractors				X				
67	General Conditions	Article 11.01.A.4	Rental charges for machinery and equipment for general Site management.			X					
68	General Conditions	Article 11.01.A.4	Rental charges for machinery and equipment for self-performed and subcontracted work.				X				
69	General Conditions	Article 11.01.A.5	Special consultant costs				X				
70	General Conditions	Article 11.01.A.6.a	General conditions costs			X					
71	General Conditions	Article 11.01.A.6.c	Relocation costs for CM/GC personnel.			X					
72	General Conditions	Article 11.01.A.6.d	Site safety during emergencies.					X			Excluding negligence by CM/GC
73	General Conditions	Article 11.01.A.6.e	Applicable taxes			X	X				General conditions for taxes related to general site management costs.
74	General Conditions	Article 11.01.B	Costs excluded.		X						
75	General Conditions	Article 11.02.A	Allowances						X		
76	General Conditions	Article 13.03.B	3rd party field testing and verification (e.g., density, weld inspections, concrete materials testing, etc.) as required by Contract Documents							X	
77	General Conditions	Article 13.03.D	Inspections and testing for materials approvals (submittals) as required by the Contract Documents			X	X				General Conditions includes CM/GC management costs for processing submittals for subcontracted work. Submittal costs included in the Cost of the Work for subcontracted and self-performed work.
78	General Conditions	Article 13.04	Uncovering Work not inspected as required by Contract Documents		X						
79	General Conditions	Article 13.06	Correcting defective work.		X						
80	General Conditions	Article 13.07.A	Correcting defective work during correction period.		X						

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Item No.	Contract Document	Section/Article/ Paragraph	Item Description	Design Phase		Construction Phase					Comments
				Not-to-Exceed Fee	Firm Fixed Fee Percentage	General Conditions	Cost of the Work	CM/GC Contingency	GMP Allowances	Owners' Cost	
81	General Conditions	Article 13.07.B	Owners correcting defective work when CM/GC fails to respond.		X						
82	General Conditions	Article 13.08.A	Owners accepting defective work.		X						
83	General Conditions	Article 13.08.A	Owners correcting defective work.		X						
84	General Conditions	Article 14.02.A	Applications for Payment	X		X					
85	General Conditions	Article 14.02.E	Subcontractor payments				X				
86	General Conditions	Article 14.06	Final Inspection			X					
87	General Conditions	Article 14.07	Final Application for Payment			X					
88	General Conditions	Article 15.01.A	Owners' suspension of work							X	Refer to Article 15.01.C and 15.01.D for exclusions.
89	General Conditions	Article 15.01.B	First five days of suspended work		X		X				Refer to Article 15.01.B for conditions when this applies.
90	General Conditions	Article 15.01.B	Suspended work after initial five days							X	
91	Exhibit A - Statement of Work	Paragraphs 1.1 to 1.25	Design phase services	X							
92	Exhibit A - Statement of Work	Paragraphs 2.1 - 2.2, and 2.4	Construction Phase meetings, Application for Payment, processing submittals, and permits			X					
93	Exhibit A - Statement of Work	Paragraphs 2.3 and 2.6	Submittals and RFIs			X	X				General Condition for processing submittals and RFIs. Cost of the Work for subcontractor and self performed work to prepare submittals or RFIs.
94	Exhibit A - Statement of Work	Paragraphs 2.7 and 2.8	Contingency requests and Change Order requests			X					
95	Exhibit A - Statement of Work	Paragraph 2.9	Commissioning and Startup			X	X				General Conditions CM/GC oversight. Cost of the Work for subcontracted and self-performed work.
96	Exhibit A - Statement of Work	Paragraphs 2.10 and 2.11	As-built and Operation and Maintenance Manuals.			X	X				General Conditions CM/GC oversight. Cost of the Work for subcontracted and self-performed work.

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Item No.	Contract Document	Section/Article/ Paragraph	Item Description	Design Phase		Construction Phase					Comments
				Not-to-Exceed Fee	Firm Fixed Fee Percentage	General Conditions	Cost of the Work	CM/GC Contingency	GMP Allowances	Owners' Cost	
97	Exhibit A - Statement of Work	Paragraphs 2.12 and 2.13	Implementing Safety Plan and Quality Management			X					
98	Exhibit A - Statement of Work	Paragraphs 2.14 and 2.15	Existing operations and warranty book			X	X				General Conditions CM/GC oversight. Cost of the Work for subcontracted and self-performed work.
99	Exhibit A - Statement of Work	Paragraph 2.16	Public relations support			X					
100	Exhibit A - Statement of Work	Paragraph 3.1	Warranty work.		X		X				CM/GC cost for warranty management and oversight from the date of Substantial Completion included in Firm Fixed Fee Percentage. Cost for warranty repairs included in the Cost of the Work for Subcontractors and self performed work.

Cost for activities that commence during the Design Phase and continue in the Construction Phase shall be allocated in the not-to-exceed Design Fee until the GMP.

Work Category	Commercial General Liability				Workers Compensation In accordance with state and federal statutory limits and ONS 656.017	Business Automobile Liability Each Occurrence \$2M	Umbrella or Excess Liability \$25,000,000	Pollution Liability*		Hazardous Material Remediation**		Professional Liability***	
	General Aggregate \$2M	Product- Completed Operations Aggregate \$2M	Personal Injury Liability \$1M	Each Occurrence \$1M				Each Occurrence \$2M	Aggregate \$2M	Each Occurrence \$5M	Aggregate \$5M	Each Occurrence \$1M	Aggregate \$2M
WC-0100 - General Conditions	X	X	X	X	X	X							
WC-0156 - Tree Protection	X	X	X	X	X	X							
WC-0157.1 - Erosion Control Installation	X	X	X	X	X	X							
WC-0157.2 - Environmental Controls	X	X	X	X	X	X							
WC-0157.3 - Vibration Monitoring	X	X	X	X	X	X							
WC-0190.1 - On-Site Commissioning & Startup (WTP1.0)	X	X	X	X	X	X	X						
WC-0190.2 - Offsite Commissioning & Startup (RWF, RES, Transmission Pipe, & Turn Outs)	X	X	X	X	X	X	X	X	X				
WC-0300.1 - Concrete - Main Process	X	X	X	X	X	X	X					X	X
WC-0300.2 - Concrete - Thickeners & Solids Handling	X	X	X	X	X	X	X					X	X
WC-0390.3 - Concrete - Pump Station, Equipment Storage & Equalization Basin	X	X	X	X	X	X	X					X	X
WC-0474 - Masonry	X	X	X	X	X	X	X					X	X
WC-0580 - Structural Steel & Misc Metals	X	X	X	X	X	X	X					X	X
WC-0617 - Cross-Laminated Timber (CLT)	X	X	X	X	X	X	X					X	X
WC-0674 - Fiberglass Reinforced Plastic (FRP) Components	X	X	X	X	X	X	X					X	X
WC-0710 - Damproofing & Waterproofing	X	X	X	X	X	X	X	X	X			X	X
WC-0741 - Metal Roof & Wall Panels	X	X	X	X	X	X	X	X	X			X	X
WC-0754 - Polyvinyl-Chloride (PVC) Roofing	X	X	X	X	X	X	X	X	X			X	X
WC-0790 - Caulking & Sealants	X	X	X	X	X	X	X	X	X			X	X
WC-0795 - Expansion Control	X	X	X	X	X	X	X					X	X
WC-0810 - Doors and Hardware	X	X	X	X	X	X	X	X	X			X	X
WC-0833 - Overhead Coiling Doors	X	X	X	X	X	X	X	X	X			X	X
WC-0840 - Aluminum Framed Entrances and Storefronts	X	X	X	X	X	X	X	X	X			X	X
WC-0929 - Gypsum Board Walls	X	X	X	X	X	X	X					X	X
WC-0951 - Acoustical Panel Ceiling	X	X	X	X	X	X	X					X	X
WC-0965 - Flooring	X	X	X	X	X	X	X					X	X
WC-0984 - Sound Absorbing Wall Units	X	X	X	X	X	X	X					X	X
WC-0990 - Painting	X	X	X	X	X	X	X					X	X
WC-1011 - Visual Display Units	X	X	X	X	X	X	X					X	X
WC-1014 - Signage	X	X	X	X	X	X	X					X	X
WC-1028 - Toilet Partitions and Accessories	X	X	X	X	X	X	X					X	X
WC-1044 - Fire Protection Cabinets and Extinguishers	X	X	X	X	X	X	X					X	X
WC-1065 - Metal Lockers	X	X	X	X	X	X	X					X	X
WC-1158 - Residential Appliances	X	X	X	X	X	X	X					X	X
WC-1220 - Window Treatments	X	X	X	X	X	X	X					X	X
WC-1230 - Casework & Counters	X	X	X	X	X	X	X					X	X
WC-1300 - Pre-Engineered Metal Buildings	X	X	X	X	X	X	X	X	X			X	X
WC-1421 - Electric Traction Elevators	X	X	X	X	X	X	X					X	X
WC-1443 - Platform Lifts	X	X	X	X	X	X	X					X	X
WC-2100 - Fire Protection	X	X	X	X	X	X	X	X	X			X	X
WC-2200 - Plumbing	X	X	X	X	X	X	X	X	X			X	X
WC-2300 - HVAC	X	X	X	X	X	X	X	X	X			X	X
WC-2313 - Fuel Tanks	X	X	X	X	X	X	X					X	X
WC-2600 - Electrical	X	X	X	X	X	X	X	X	X			X	X
WC-2632 - Diesel Emergency Engine Generators	X	X	X	X	X	X	X	X	X			X	X
WC-3100 - Earthwork & Utilities	X	X	X	X	X	X	X					X	X
WC-3212 - Paving and Surfacing	X	X	X	X	X	X	X					X	X
WC-3216 - Curb, Gutter & Sidewalks	X	X	X	X	X	X	X					X	X
WC-3217 - Striping & Signage	X	X	X	X	X	X	X					X	X
WC-3231 - Chainlink Fence & Gates	X	X	X	X	X	X	X					X	X
WC-3290 - Landscaping	X	X	X	X	X	X	X					X	X
WC-4000.1 - Process Integration	X	X	X	X	X	X	X	X	X			X	X
WC-4000.2 - SCADA (pre-selected - S&B)	X	X	X	X	X	X	X					X	X
WC-4005 - Stainless Steel Slide Gates	X	X	X	X	X	X	X					X	X
WC-4092 - Hydro-Pneumatic Surge Arrestor System	X	X	X	X	X	X	X					X	X
WC-4122 - Cranes & Hoists	X	X	X	X	X	X	X					X	X
WC-4311 - Rotary Lobe Blowers	X	X	X	X	X	X	X					X	X
WC-4312 - Rotary Screw Compressors	X	X	X	X	X	X	X					X	X
WC-4323.1 - Vertical In-Line Centrifugal Sample Water Pumps	X	X	X	X	X	X	X					X	X
WC-4323.2 - Rotary Lobe Pumps	X	X	X	X	X	X	X					X	X
WC-4323.3 - Peristaltic Hose Pumps	X	X	X	X	X	X	X					X	X
WC-4324 - Portable Chemical Tank Transfer Pump	X	X	X	X	X	X	X					X	X
WC-4324 - Vertical Turbine Short-Set Pumps	X	X	X	X	X	X	X					X	X
WC-4325 - Submersible Solids Handling Pumps	X	X	X	X	X	X	X					X	X
WC-4341.1 - Wire and Strand Wrapped Prestressed Concrete Tank	X	X	X	X	X	X	X					X	X
WC-4341.2 - Fiberglass Tanks	X	X	X	X	X	X	X					X	X
WC-4631.2 - Carbon Dioxide Storage and Feed System	X	X	X	X	X	X	X					X	X
WC-4631.2 - Ozone Generating and Feed Equipment	X	X	X	X	X	X	X					X	X
WC-4633 - Ballasted Flocculation System	X	X	X	X	X	X	X					X	X
WC-4633.1 - In-line Polymer Blending and Feed Equipment	X	X	X	X	X	X	X					X	X
WC-4633.2 - Polymer Blending and Feed Equipment	X	X	X	X	X	X	X					X	X
WC-4633.3 - Liquid Chemical Diffusers	X	X	X	X	X	X	X					X	X
WC-4641 - Vertical Shaft Mixers	X	X	X	X	X	X	X					X	X
WC-4661.1 - Filter Media	X	X	X	X	X	X	X					X	X
WC-4661.2 - Stainless Steel Washwater Troughs	X	X	X	X	X	X	X					X	X
WC-4661.3 - Filter Underdrain System	X	X	X	X	X	X	X					X	X
WC-4666 - Closed-Vessel Ultraviolet Disinfection System	X	X	X	X	X	X	X					X	X
WC-4671 - Circular Gravity Thickeners	X	X	X	X	X	X	X					X	X
WC-4676 - Dewatering Screw Presses	X	X	X	X	X	X	X					X	X

Additional Named Insureds shall include: The Owner, its officers, Commissioners, agents and employees, as well as the parties to the commission: Tualatin Valley Water District, its members, officers, boards, agents and employees; the City of Hillsboro, the Hillsboro Utilities Commission, its members, officers, boards, agents and employees; the City of Beaverton, its members, officers, boards, agents and employees; Stantec Consulting Services Inc, its members, officers, boards, subsidiaries, agents, and employees; Carollo Engineers, Inc, its members, officers, boards, agents and employees; its related and affiliated companies, subconsultants, and the officers, directors, partners, shareholders, employees, agents and representatives thereof; CDM Smith, Inc, its members, officers, boards, subsidiaries, agents, employees and subconsultants; and the US Government Environmental Protection Agency.

**At a minimum, the identified subcontractors shall include pollution liability coverage. When any other Subcontractor, or any of its lower tier subcontractors are performing Work that involves keeping moisture out of a building, Work that penetrates the building enclosure, Work with liquid conveying piping systems inside the building, Subcontractor shall also provide Pollution Liability coverage at the minimum limits of liability identified.*

***When any Subcontractor, or any of its lower tier subcontractors are performing Work that involves hazardous material remediation, asbestos and/or lead based paint abatement or removal, or other similar professional services in their scope of work, Subcontractor shall also provide Hazardous Material Remediation coverage at the minimum limits of liability identified.*

****At a minimum, the identified subcontractors shall include Professional Liability insurance. When any Subcontractor, or any of its lower tier subcontractors are performing Work that involves design, engineering, survey, inspection, testing, or other similar professional services in their scope of work, Subcontractor shall also provide Professional Liability coverage at the minimum limits of liability identified.*

Project	Activity	Start	End	Duration	Resources	Cost	Progress	Notes	Dependencies	Material	Equipment	Personnel	Other	Remarks
CONCRETE FOUNDATION	Excavation and Formwork	2023-01-01	2023-01-15	15 days	Excavator, Formwork, Labor	15000	100%	Excavation completed, formwork installed.	Excavation, Formwork	Excavator, Formwork, Labor	15000	100%		Excavation completed, formwork installed.
	Reinforcement	2023-01-15	2023-01-25	10 days	Reinforcement, Labor	10000	100%	Reinforcement bars installed.	Reinforcement	Reinforcement, Labor	10000	100%		Reinforcement bars installed.
	Concrete Pouring	2023-01-25	2023-02-05	11 days	Concrete, Labor	12000	100%	Concrete poured and finished.	Concrete	Concrete, Labor	12000	100%		Concrete poured and finished.
	Formwork Removal	2023-02-05	2023-02-15	10 days	Labor	5000	100%	Formwork removed.	Formwork	Labor	5000	100%		Formwork removed.
	Grading	2023-02-15	2023-02-25	10 days	Grading, Labor	8000	100%	Grading completed.	Grading	Grading, Labor	8000	100%		Grading completed.
	Foundation Wall	2023-02-25	2023-03-15	20 days	Foundation Wall, Labor	18000	100%	Foundation wall construction.	Foundation Wall	Foundation Wall, Labor	18000	100%		Foundation wall construction.
	Foundation Slab	2023-03-15	2023-03-25	10 days	Foundation Slab, Labor	10000	100%	Foundation slab construction.	Foundation Slab	Foundation Slab, Labor	10000	100%		Foundation slab construction.
	Foundation Beam	2023-03-25	2023-04-05	11 days	Foundation Beam, Labor	12000	100%	Foundation beam construction.	Foundation Beam	Foundation Beam, Labor	12000	100%		Foundation beam construction.
	Foundation Column	2023-04-05	2023-04-15	10 days	Foundation Column, Labor	8000	100%	Foundation column construction.	Foundation Column	Foundation Column, Labor	8000	100%		Foundation column construction.
	Foundation Wall	2023-04-15	2023-04-25	10 days	Foundation Wall, Labor	10000	100%	Foundation wall construction.	Foundation Wall	Foundation Wall, Labor	10000	100%		Foundation wall construction.
CONCRETE SUPERSTRUCTURE	Formwork	2023-04-25	2023-05-15	20 days	Formwork, Labor	20000	100%	Formwork for columns and beams.	Formwork	Formwork, Labor	20000	100%		Formwork for columns and beams.
	Reinforcement	2023-05-15	2023-05-25	10 days	Reinforcement, Labor	15000	100%	Reinforcement for columns and beams.	Reinforcement	Reinforcement, Labor	15000	100%		Reinforcement for columns and beams.
	Concrete Pouring	2023-05-25	2023-06-10	15 days	Concrete, Labor	18000	100%	Concrete poured for columns and beams.	Concrete	Concrete, Labor	18000	100%		Concrete poured for columns and beams.
	Formwork Removal	2023-06-10	2023-06-20	10 days	Labor	10000	100%	Formwork removed.	Formwork	Labor	10000	100%		Formwork removed.
	Grading	2023-06-20	2023-06-30	10 days	Grading, Labor	8000	100%	Grading completed.	Grading	Grading, Labor	8000	100%		Grading completed.
	Foundation Wall	2023-06-30	2023-07-10	11 days	Foundation Wall, Labor	12000	100%	Foundation wall construction.	Foundation Wall	Foundation Wall, Labor	12000	100%		Foundation wall construction.
	Foundation Slab	2023-07-10	2023-07-20	10 days	Foundation Slab, Labor	10000	100%	Foundation slab construction.	Foundation Slab	Foundation Slab, Labor	10000	100%		Foundation slab construction.
	Foundation Beam	2023-07-20	2023-07-30	10 days	Foundation Beam, Labor	12000	100%	Foundation beam construction.	Foundation Beam	Foundation Beam, Labor	12000	100%		Foundation beam construction.
	Foundation Column	2023-07-30	2023-08-10	11 days	Foundation Column, Labor	8000	100%	Foundation column construction.	Foundation Column	Foundation Column, Labor	8000	100%		Foundation column construction.
	Foundation Wall	2023-08-10	2023-08-20	10 days	Foundation Wall, Labor	10000	100%	Foundation wall construction.	Foundation Wall	Foundation Wall, Labor	10000	100%		Foundation wall construction.

3A-3
Summary Table

WWSP WTP 1.0
GMP1 - FINAL
February 9, 2022

Willamette Water Supply
Our Reliable Water



		GMP1		
A1. DIRECT COST OF WORK - NON SELF PERFORM		Included?		133,586,241
Bid Alternate 1 - Add top deck canopies over existing walkways	BA-1	NO		0
Bid Alternate 2 - Add Equipment Storage Building	BA-2	NO		0
Bid Alternate 3 - Add second filter air scour blower	BA-3	YES		130,071
Bid Alternate 4 - Add Filter Aid Polymer (FAP) system	BA-4	YES		90,905
Bid Alternate 5 - Add second standby generator and associated fuel tank	BA-5	YES		1,582,696
Bid Alternate 6 - Add second (East) Equalization/Overflow basin	BA-6	YES		312,233
Bid Alternate 7 - Add third ozone generator and power supply unit	BA-7	YES		278,149
A1. DIRECT COST OF WORK TOTAL - NON-SELF PERFORM			a1	135,980,296
A2. DIRECT COST OF WORK - SELF PERFORM		Included?		178,414,379
Bid Alternate 1 - Add top deck canopies over existing walkways	BA-1	NO		0
Bid Alternate 2 - Add Equipment Storage Building	BA-2	NO		0
Bid Alternate 3 - Add second filter air scour blower	BA-3	YES		111,360
Bid Alternate 4 - Add Filter Aid Polymer (FAP) system	BA-4	YES		91,332
Bid Alternate 5 - Add second standby generator and associated fuel tank	BA-5	YES		132,991
Bid Alternate 6 - Add second (East) Equalization/Overflow basin	BA-6	YES		2,593,580
Bid Alternate 7 - Add third ozone generator and power supply unit	BA-7	YES		56,190
A2. DIRECT COST OF WORK TOTAL - SELF PERFORM			a2	181,399,832
TOTAL DIRECT COSTS (a1+a2)			a3	317,380,127
B1. GENERAL CONDITIONS (CM/GC) from detail breakdown of CMGC	b1	7.270%		23,072,144
C1. PAYMENT & PERFORMANCE BOND [bond tab]	c1	0.792%		3,209,649
C2. GENERAL LIABILITY INSURANCE (PLPD) [c2 x a8]	c2	0.784%		3,179,190
C3. BUILDERS RISK & POLLUTION INSURANCE [insurance tab]	c3	0.647%		2,623,027
C4. CORPORATE ACTIVITIES TAX [(250 + (a8 x 0.65)) x c4]	c4	0.570%		1,502,412
TOTAL INDIRECT COSTS (b1+c1+c2+c3+c4)			a4	33,586,423
SUBTOTAL DIRECT AND INDIRECT COSTS (a3+a4)			a5	350,966,550
D1. CONSTRUCTION FEE - NON SELF PERFORM (CM/GC) [(a1+c1+c2+c3+c4) x d1]	d1	3.500%		5,127,310
D2. CONSTRUCTION FEE - SELF PERFORM & CM GC's [(a2+b1) x d2]	d2	9.000%		18,402,478
D3. CM/GC CONTINGENCY (Direct Costs Only) [a3 x d3]	d3	3.000%		9,521,404
TOTAL CM/GC FEE & CONTINGENCIES (a5+d1+d2+d3)			a6	33,051,192
E1. ESCALATION CONTINGENCY (Direct Costs Only) [a3 x e1]	e1	1.500%		4,760,702
E2. OWNERS CONTINGENCY (Direct Costs Only) [a3 x f1]	f1	5.000%		15,869,006
E3. ALLOWANCES (See Allowance Log)	h1	See Log		3,861,428
TOTAL OWNER'S CONTINGENCIES & ALLOWANCES (e1+e2+e3)			a7	24,491,136
F1. NEGOTIATED PACKAGE REDUCTION / CREDIT	f1	Lump Sum		(3,000,000)
GMP1 TOTAL PROJECT COST (a5+a6+a7+f1)			a8	405,508,878

Willamette Water Supply Program Water Treatment Plant 1.0

Abstract Summary

WC #	Work Category Description	Selected Vendor	Participation in Exhibit T (Y/N)	If Not Participating in Exhibit T, How Long is Bid Valid (Days)
WC-0100	General Conditions	Sundt	Y	NA
WC-0100	Tower and Mobile Cranes	Morrow/Maxim	N	30
WC-0100	Construction Support	Sundt	Y	NA
WC-0156	Tree Protection	Allowance	NA	NA
WC-0157.1	Erosion Control Installation	By Owner	NA	NA
WC-0157.2	Environmental Controls (Pre-Selected, Wildwood Environmental)	Wildwood	N	NA
WC-0157.3	Vibration Monitoring (Preselected, Earth Dynamics)	Earth Dynamics	N	NA
WC-0190.1	On-Site Commissioning & Startup (WTP1.0)	Sundt	Y	NA
WC-0190.2	Offsite Commissioning & Startup (RWF, RES, Transmission Pipe, & Turn Outs)	GMP 2	NA	NA
WC-0300.1	Concrete - Main Process	Sundt Construction	Y	NA
WC-0300.2	Concrete - Thickeners & Solids Handling	JW Fowler	Y	NA
WC-0300.3	Concrete - Pump Station, Equipment Storage & Equalization Basin	Sundt Construction	Y	NA
WC-0474	Masonry	J&S Masonry	N	150
WC-0580	Structural Steel & Misc Metals	Sundt Construction	Y	NA
WC-0617	Cross-Laminated Timber (CLT)	Fred Shearer & Sons	N	30
WC-0674	Fiberglass Reinforced Plastic (FRP) Components	Sundt Construction	Y	NA
WC-0710	Damp Proofing & Waterproofing	D&R Masonry	N	0
WC-0741	Metal Roof & Wall Panels	FLYNN Companies	N	14
WC-0754	Polyvinyl-Chloride (PVC) Roofing	FLYNN Companies	N	14
WC-0790	Caulking & Sealants	Sundt Construction	N	0
WC-0795	Expansion Control	Allowance	NA	NA
WC-0810	Doors and Hardware	Gibson Door	Y	NA
WC-0833	Overhead Coiling Doors	Overhead Door of Portland	N	125
WC-0840	Aluminum Framed Entrances and Storefronts	Culver Glass	N	180
WC-0929	Gypsum Board Walls	Fred Shearer & Sons	N	30
WC-0951	Acoustical Panel Ceiling	Fred Shearer & Sons	N	30
WC-0965	Flooring	Paulson's Flooring	N	30
WC-0984	Sound Absorbing Wall Units	By WC-0929	NA	NA
WC-0990	Painting	Long Painting	Y	NA
WC-1011	Visual Display Units	Concentric Spaces	N	90
WC-1014	Signage	Center Pointe	N	150
WC-1028	Toilet Partitions and Accessories	WH Cress	N	30
WC-1044	Fire Protection Cabinets and Extinguishers	WH Cress	N	30
WC-1056	Metal Lockers	Equipto	N	30
WC-1153	Laboratory Appliances	H2I Group	N	15
WC-1158	Residential Appliances	Various	N	0
WC-1220	Window Treatments	Superior Interiors	N	60
WC-1230	Casework & Counters	H2I Group	N	15
WC-1421	Electric Traction Elevators	Thyssen Krupp	N	45
WC-1443	Platform Lifts	FE Bennett	N	30
WC-2100	Fire Protection	Basic Fire	Y	NA
WC-2200	Plumbing	Alliant	Y	NA
WC-2300	HVAC	Alliant	Y	NA
WC-2310	Fuel Tanks	Envirosafe	N	1
WC-2600	Electrical	EC Electric	N	150
WC-2632	Diesel Emergency Engine Generators	Caterpillar	Y	NA
WC-3100	Earthwork & Utilities	Sundt Construction	Y	NA
WC-3212	Paving and Surfacing	GMP 2	NA	NA
WC-3216	Curb, Gutter & Sidewalks	GMP 2	NA	NA
WC-3217	Striping & Signage	GMP 2	NA	NA
WC-3231	Chainlink Fence & Gates	GMP 2	NA	NA
WC-3290	Landscaping	GMP 2	NA	NA
WC-4000.1	Process Integration	Sundt Construction	Y	NA
WC-4000.2	SCADA (pre-selected - S&B)	S&B	N	120
WC-4005	Stainless Steel Slide Gates	Rodney Hunt	N	30
WC-4005.1	Piping Identification	Allowance	NA	NA
WC-4092	Hydro-Pneumatic Surge Arrestor System	PulSCO	N	150
WC-4122	Cranes & Hoists	Allowance	NA	NA
WC-4311	Rotary Lobe Blowers	Universal	N	30
WC-4312	Rotary Screw Compressors	By WC-4092	N	150
WC-4323.1	Vertical In-Line Centrifugal Sample Water Pumps	Allowance	NA	NA
WC-4323.2	Rotary Lobe Pumps	Borger	N	30
WC-4323.3	Peristaltic Hose Pumps	Watson Marlow	N	150
WC-4323.4	Portable Chemical Tank Transfer Pump	Iwaki	N	30
WC-4324	Vertical Turbine Short-Set Pumps	Floway	N	150
WC-4325	Submersible Solids Handling Pumps	Flygt	Y	NA
WC-4325.1	Submersible Turbine Sample Pumps	Allowance	NA	NA
WC-4341.1	Wire and Strand Wrapped Prestressed Concrete Tank	Ward-Henshaw	N	150
WC-4341.2	Fiberglass Tanks	Plas-Tank	Y	NA
WC-4631.2	Carbon Dioxide Storage and Feed System	TOMCO	N	150
WC-4631.1	Ozone Generating and Feed Equipment	Suez	N	150
WC-4633.1	Inline Polymer Blending and Feed Equipment	VeloDyne	N	30
WC-4633.2	Ballasted Floc Polymer Preparation System	VeloDyne	N	30
WC-4633.3	Liquid Chemical Diffusers	By WC-4000.1	N	60
WC-4641	Vertical Shaft Mixers	Lightnin	Y	NA

Willamette Water Supply Program Water Treatment Plant 1.0

Abstract Summary

WC #	Work Category Description	Selected Vendor	Participation in Exhibit T (Y/N)	If Not Participating in Exhibit T, How Long is Bid Valid (Days)
WC-4643	Ballasted Flocculation System (Pre-Selected WesTech Engineering)	WesTech Engineering	N	30
WC-4661.1	Filter Media	Calgon	Y	NA
WC-4661.2	Stainless Steel Washwater Troughs	MRI	N	30
WC-4661.3	Filter Underdrain System	Ortho	Y	NA
WC-4666	Closed-Vessel Ultraviolet Disinfection System (Pre-Selected Calgon Corp)	De Nora (Calgon)	N	NA
WC-4671	Circular Gravity Thickeners	Clear Stream	Y	NA
WC-4676	Dewatering Screw Presses (Pre-Selected FKC Co)	FKC Co	N	90

WWSP WTP 1.0
Exclusions, Assumptions, and Clarifications Log

EAC Log

EAC#	Scope or WC No.	Exclusion	Assumption	Clarification	EAC Line Description
1	All WCs			C	With regards to markups on Escalation and De-escalation claims allowable per Exhibit T for self-perform, general conditions and general requirements, the CM/GC will incorporate a 9% fixed fee per Section 4.03 of the prime contract and waives the additional 5% fee per Exhibit T. All lower-tier subcontractors and vendors providing services for the CM/GC self-performed work packages will incorporate a 5% markup per Exhibit T. Subcontractors and vendors providing services directly to the CM/GC will be allowed the 5% markup per Exhibit T and the CM/GC will incorporate a 3.5% fixed fee per Section 4.03 of the prime contract.
2	All WCs			C	Where more than one standard detail may apply, CM/GC has assumed the following for GMP1 pricing: (1) Standard detail as explicitly indicated (2) Clean Water Services (CWS) standard details apply to wetland(s) and off-site (outside the WWSP property boundary bounded by the south side of the SW Orr Dr ROW and the west side of the SW 124th Dr ROW) surface and underground drainage structures. (3) City of Sherwood (COS) standard details for roads apply to the SW Orr Dr. COS standard details for water piping apply to all off-site and on-site utility water piping. COS standard details for frontage improvements start at the back of curb (and away from the road) for both SW Orr Dr and SW 124th Ave. (4) Washington County (WashCo) and ODOT standard details apply for the SW 124th Ave half-street improvements from the centerline of the road to the back of the curb. (5) Willamette Water Supply System (WWSP) standard details shall be utilized on the WTP property and off-site where not superseded by a CWS, COS, or WaCo detail. (6) CDM Smith (Engineer) standard details shall be utilized on the WTP property and off-site where not superseded by a CWS, COS, WaCo, or WWSP detail. In the situation where WWSP directs something different be implemented, the approved cost will be payable via the Owner's Contingency.
3	WC-0100			C	The GMP 1 submittal, estimate, and schedule are based upon receipt of LINTP on February 18, 2022.
4	All WCs		A		With regards to markups on change order work (for both additive and deductive changes) for self-perform, general conditions and general requirements, the CM/GC will incorporate a 9% fixed fee per Section 4.03 of the prime contract and waives the additional 10% and 5% fees per Article 12.01.C of the prime contract. All lower-tier subcontractors and vendors providing services for the CM/GC self-performed work packages will incorporate the applicable markups per Article 12.01.C. Subcontractors and vendors providing services directly to the CM/GC will be allowed the applicable 10% and 5% markups per Article 12.01.C and the CM/GC will incorporate a 3.5% fixed fee per Section 4.03 of the prime contract.
5	WC-0100		A		CM/GC will provide engineered design for tower crane pad and coordinate location with Engineer to avoid interference with installed and future equipment pad locations. Tower crane concrete foundation pad will be abandoned in place underneath the Outdoor Chemical Facility and backfilled per specifications.
6	WC-0100			C	Under "Mobilization Readiness Review Meeting" as described in 01 31 19 - Project Meetings, item seven states "7. Site and security controls are in place". In lieu of having site and security controls in place, the Contractor will provide an approved security plan at the Mobilization Readiness Review Meeting.
7	WC-0100			C	Under "Mobilization Readiness Review Meeting" as described in 01 31 19 - Project Meetings, item thirteen states "13. Baseline CPM schedule per Section 01 32 16 - Construction Progress Schedule has been accepted by the Owner's representative". In lieu of a complete baseline schedule, Contractor will provide an approved Initial Plan of Operation and Project Overview Schedule at the Mobilization Readiness Review Meeting. CM/GC will provide a 90-day schedule (Initial Plan of Operation & Project Overview Schedule) as discussed with WWSP. The Baseline CPM schedule will be under development at the time of this meeting.
8	WC-0100			C	Under "Mobilization Readiness Review Meeting" as described in 01 31 19 - Project Meetings, item fourteen states "14. Cash flow utilizing the cost-loaded baseline schedule has been accepted by the Owner's representative". Contractor will not provide cash flow analysis at the Mobilization Readiness Review Meeting. The Baseline CPM schedule with cost loading will be under development at the time of this meeting.
9	WC-0100			C	CM/GC's schedule for the commissioning phase, and the start of the warranty, is based upon the Process Startup Phase beginning immediately following the Clean Water Facility Testing. CM/GC's proposed schedule included in GMP 1 assume commissioning of the finished water piping downstream of the Chicken Creek blow-off will occur immediately following the Process Startup Phase of the Water Treatment Plant. If a non-Contractor delay were to occur for either of these items, the provisions of Section 12.03 of the prime contract for delay would apply.
10	WC-0100	E			CM/GC will provide Owner's copier consumables other than paper.
11	WC-0100			C	Specifications require temporary construction fence to be 8'-0" high with barbed wire. Local temporary fence companies are unable to provide fencing meeting these requirements. CM/GC will provide 6'-0" tall fence with no barbed wire, which is what the local companies can provide. Every third panel will be on stands. Temporary fence will be supplemented with periodic inspections from a security company to provide the necessary level of site security.
12	WC-0100			C	The following work categories are components of GMP 2 and therefore excluded: Landscaping, Topsoil, Irrigation, Pavers, Asphalt Paving, Curb & Gutters, Sidewalks, Crushed Rock, Fencing & Gates, Site Furnishings, Site Signage, Site Striping, Site Walls other than Wall Types 1 and 2, commissioning of the offsite finished water transmission system.
13	WC-0100			C	WWSP will be provided with one "single-wide" temporary office trailer onsite prior to installation of permanent onsite trailer complex. Setup of permanent onsite trailer complex is anticipated in August 2022.
14	WC-0100			C	Any underfunding within a WC can be utilized to fund overruns of other WCs through the change order process.
15	WC-0100	E			All costs from the preconstruction phase which are already under contract or incorporated through contract modifications are excluded from this GMP submittal.
16	WC-0100	E			Labor compliance services, specifically surveys, audits, and interviews, which are customarily supplied by project owner.
17	WC-0100	E			All PGE costs associated with extending permanent power to the site.
18	WC-0100			C	Pricing assumes that the owner will provide all access and easements as required to complete the work. Access and easements to the Tigard Sand and Gravel property to the South of the WTP site is the responsibility of CM/GC.
19	WC-0100			C	CM/GC excludes removal and handling of pre-existing hazardous materials. If pre-existing hazardous materials are encountered, CM/GC will not be considered the generator for those pre-existing hazardous conditions, and WWSP will inform CM/GC when WWSP determines whether the WWSS Commission or some other entity, other than CM/GC, shall be considered the generator for any pre-existing hazardous condition encountered during the work.
20	WC-0100			C	Requirements of permits which are in conflict or in addition to the Contract Documents will be incorporated through the Contract change order process, payable by the Owner's contingency. CM/GC change order proposal shall include credit for items deleted from the current design to meet the permit requirement.
21	WC-0100			C	Construction water has been assumed to be available at the connection points (Orr Drive at TCC easement and Orr Drive at 124th) identified in the Construction Management Plan. Contractor will coordinate directly with the City of Sherwood for all usage.
22	WC-0100			C	Cost and impacts associated with bird nesting monitoring, deterrence, and mitigation are excluded.
23	WC-0190.1			C	When process and/or bulk treatment chemicals are required, the Owner will be responsible for accepting deliveries, loading, usage, production, dosing, and operation of any chemical feed systems. Contractor shall be present during all filling and feeding activities through the startup and commissioning to aid Owner with any issues related to the installed chemical systems.

WWSP WTP 1.0
Exclusions, Assumptions, and Clarifications Log

EAC Log

EAC#	Scope or WC No.	Exclusion	Assumption	Clarification	EAC Line Description
24	WC-0190.1			C	Development of the Process Startup Plan for the 30-day Process Startup Phase is the responsibility of the Contractor. The Owner and Engineer will provide input into the Process Startup Plan including starting dosages for all chemicals, flow requirements, and rotation schedule for equipment and basins. The Owner will implement the Process Startup Plan and operate the WTP during the Process Startup Phase. CM/GC will provide labor and vendor/subcontractor coordination in an assistance role during the Process Startup Phase and will be responsible for the installation of the systems per the contract documents. Upon Owner and Engineer review and acceptance of the Process Startup Plan, CM/GC will be waived of any liability that may arise from any errors and omissions in the execution of the Process Startup Plan by the Owner's staff.
25	WC-0190.1			C	Payment for permanent power and water will transfer to the Owner upon successful completion of the 30-day process startup period.
26	WC-0190.1	E			Repairs of off-site raw water transmission pipeline and costs for retesting due to failures.
27	WC-0190.1		A		Contractor shall inspect the raw water transmission pipeline during pressure testing and promptly notify Owner of any issues.
28	WC-0190.1			C	Discharge location of test water will be to storm ponds, storm sewer, or sanitary sewer and will be in compliance with applicable permits, approvals, and regulations.
29	WC-0190.1	E			CM/GC has excluded monthly progress photos as directed by WWSP.
30	WC-0300	E			The concrete field shrinkage requirements of Section 03 30 00 3.13.F and 1.6.A.5.
31	WC-0300		A		Concrete supplier proposal assumes they can meet the specified ASR requirements utilizing local materials (aggregates, cement) and has, therefore, based their bid on use of local materials. Should the Owner or Engineer reject the use of local materials, additional costs are reimbursable in accordance with the prime contract article 12.
32	WC-0580			C	All structures indicated as PEMB (Pre-Engineered Metal Buildings) are to be "stick built". Engineering will be provided by each respective trade as indicated in the associated specification sections.
33	WC-1421			C	Elevator maintenance agreement is required by equipment supplier to make warranty valid. Owner will contract directly with equipment supplier and pay for maintenance agreement to coincide with contractual warranty start date.
34	WC-1443			C	Specification Section 14 43 00-3.2 requires manufacturer's field services. As directed by WWSP during the abstract review, CM/GC is instructed to omit these services from the cost of the project.
35	WC-2100		A		CM/GC is not providing any fire protection at the top deck canopies.
36	WC-2600			C	Electrical power, fire alarm signal, and devices for HVAC equipment such as smoke and fire dampers, and other duct mounted devices that are not shown on the drawings are excluded. Per WWSP direction, this cost will be captured following updates to the drawings by the Engineer.
37	WC-2632	E			Excludes any and all operating permits associated with the permanent generators.
38	WC-3100	E			Drill and blast or rock chipping at retention stormwater pond and sediment forebay area on TCC property.
39	WC-3100		A		Native material mined from the project site is capable of meeting specified gradation and quantities required for the project using conventional crushing equipment without multiple screenings, washing, importing, and/or blending. No more than 15% of the material will need to be rejected in order to meet the specifications. Unusable and excess material will be removed from the site.
40	WC-3100		A		Native topsoil materials will be stockpiled in accordance with the contract documents. Cost to determine if stockpiled topsoil is suitable for reuse, hauling off unsuitable topsoil, and purchase of additional topsoil will be included in GMP 2.
41	WC-3100		A		Thrust blocks and underground utility encasements do not require forming and may be placed by "bank pouring". The thrust blocks and encasements will meet all other requirements of the contract documents. When not placed against rock, contractor will ensure that the concrete does not become contaminated by adjacent soils.
42	WC-3100			C	Revise Note 2 on Detail 3/26-D-50001 to read "Drain piping shall be welded SS from ozone contactor dome strainer to a flanged insulating joint located within one foot after the vertical 45-degree elbow below the contactor basin floor slab. Transition from SS to ductile iron shall occur at this insulating flange."
43	WC-3100		A		Retaining wall 4 is included as a type 1 walls.
44	WC-3100			C	The Storage Yard shown on Drawing 03-GR-22010 is to remain in place at the completion of the project. All other temporary laydown areas used by the Contractor will receive the final hardscape or landscaping as indicated on the drawings for those areas.
45	WC-3100			C	Where cement mortar will be utilized, pipe and fitting interior and exterior surface preparation before lining/coating will be in accordance with AWWA C205 (not brush-off blasting as required by Section 40 05 24.20 2.8.B). Reinforcing wire for cement lining will be tack welded to the cylinder, not pin brazed. Reinforcing wire will be 2 x 4 W0.5 x W0.5 per AWWA C205.
46	WC-3100			C	Section 40 05 06 2.9.B.2 Middle rings will be steel, not ductile iron for pipe sizes greater than 12".
47	WC-3100			C	The use of Blasting Mats is not anticipated to be required for the covering of all shots as required by Section 31 23 16. Use of blasting mats will be described in the Contractor's blasting plan and will be based on actual site conditions, proximity of existing structure(s), or other personal property in accordance with the recommendations of the CM/GC's Blasting Consultant and the requirements of the permitting agencies.
48	WC-4000.1			C	Third party testing of grout will be performed by the Owner's testing agency.
49			A		Third party special inspections or QA are the responsibility of the owner, refer to drawings 01-S-60001, 01-S-60002, 60003, and 60004.
50	WC-4000.1		A		Materials provided for the following specifications which require seismic qualification will be achieved through analysis only: 40 05 05.11 through 40 05 57.23; 40 05 61 through 40 05 82; 40 20 13 through 40 42 23.
51	WC-4000.1	E			There is not a domestically available source for 3" and smaller Stainless Steel fittings that meet AIS domestic requirements. 3" and smaller Stainless Steel fittings will require an exemption from AIS requirements.
52	WC-4000.2	E			Supply of Wonderware software (excluded by S&B). Software will be provided by Owner.
53	WC-4005			C	Preliminary product data from the slide gate manufacturers was provided to Engineer for review. The Engineer has determined that all bidding vendors proposed seals are acceptable. CM/GC has been authorized to use the lowest bidder, as abstracted.
54	WC-4341.1			C	Drawings 03-C-32001, 03-C-32003 and 90-C-50205 show a 6" diameter clearwell underdrain system at the proposed clearwell. It is our understanding that this underdrain system is intended to prevent groundwater from accumulating around the proposed clearwell and will prevent water from rising above the finished floor elevation of 228.5'. Therefore, given that the under drain system will prevent groundwater from exerting uplift forces on the clearwell foundation, the clearwell foundation proposed with our bid has not been designed to resist any uplift forces from groundwater.
55	WC-0100		A		Costs for commissioning of the offsite finished water transmission piping (downstream of the Chicken Creek blow-off) was excluded from GMP1. General conditions for GMP2 will be those general conditions required to support the commissioning of the offsite finished water transmission piping. GMP 1 covers all other general conditions required for GMP 2. Construction support and general works items for scope gaps in GMP2 bid packages are allowable and will be included in the scope specific abstracts.
56	WC-0190.1			C	Treated water during WTP commissioning and startup, including out of spec water, will be discharged to either (1) the Chicken Creek blow-off or (2) the on-site storm system. During the 30-day Process Startup Phase, CM/GC will provide pH adjustment and de-chlorination adjustment, as required by permit to discharge. During the 30-day Process Startup Phase, any adjustments required to manage Turbidity, Dissolved Oxygen, and Total Dissolved Solids are assumed to be mitigated by the engineered plant process systems and will require no further actions to resolve during discharge.
57	WC-0100	E			All fees and costs associated with permits.

WWSP WTP 1.0
Exclusions, Assumptions, and Clarifications Log

EAC Log

EAC#	Scope or WC No.	Exclusion	Assumption	Clarification	EAC Line Description
58	WC-0100	E			Top deck canopies over existing walkways (Bid Alternate #01) and Equipment Storage Building (Bid Alternate #02). If alternates #01 and #02 are accepted after GMP Amendment, Owner will be subject to subcontractor's and supplier's revised price which will be administered through the terms of the contract change order process.
59	WC-0100			C	At final billing, bonds and insurance will be reconciled utilizing final contract value.
60	General Conditions			C	<p>CM/GC's "Key Personnel" are identified in Table 2 of Section 6.0 of the Contract Statement of Work. For any proposed changes to these personnel, CM/GC will provide resumes and references for Owner review and, if deemed acceptable, approval. The Owner cannot unreasonably withhold approval of CM/GC recommended replacement.</p> <p>Owner's staffing approval oversight shall apply to the positions identified in Section 6.0 in the Contract Statement of Work, except for the Electrical/I&C Lead. This process shall be utilized for any positions that reflect combining or splitting of key personnel titles/functions.</p> <p>CM/GC will use the Potential Change Order (PCO) process to propose any key staff changes and provide the supporting documentation for Owner's consideration.</p>
61	General Conditions			C	CM/GC's administrative hourly rates for general conditions staff are fixed at the rates included in GMP1, through GMP1 and GMP2.
62	General Conditions			C	CM/GC has negotiated and agreed to provide a lump sum \$3,000,000 package credit. Allocation and method of billing will be incrementally progressed on a monthly basis as mutually agreed upon during the development of the Schedule of Values.
63	All WCs			C	Net cost savings from Value Engineering Change Proposals which are accepted by the Owner will be shared between CM/GC and Owner in accordance with the Shared Savings provision in the Prime Contract Section 5.07.

The purpose of the EAC Log is to capture a complete inventory of: (1) all goods, services, personal services, or liabilities, the costs of which are not included in the GMP ("exclusions"); (2) assumptions on which the Parties agree the cost for some items should be based ("assumptions"); and (3) clarifications or explanations the parties agree better explain the cost basis for some items in the GMP where the contract documents are vague or ambiguous ("clarifications"). These exclusions, assumptions, and clarifications were utilized by the CM/GC as the basis for the GMP1 pricing and scheduling.

	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,149	\$ -	\$ -	\$ 3,679	\$ -	\$ -	\$ 88,582	\$ 6,177	Allowance	\$ -	\$ -	\$ -	\$ 75,000	\$ 181,337
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 180,925	\$ 342,886	\$ 19,873	\$ 1,021,742	\$ -	\$ 13,782	\$ 1,600	Allowance	\$ -	\$ -	\$ -	\$ -	\$ 1,700,017
00	\$ -	\$ -	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 129,429	\$ -	\$ -	\$ 58,932	\$ -	\$ 125,000	\$ 311,990	\$ 1,600	Allowance	\$ 43,000	\$ -	\$ -	\$ -	\$ 2,902,721
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,195	\$ -	\$ -	\$ 48,340	\$ 1,600	Allowance	\$ -	\$ -	\$ 253,600	\$ -	\$ 331,585
00	\$ 323,306	\$ 31,288	\$ 14,000	\$ 25,650	\$ 74,335	\$ 1,712	\$ 78,240	\$ 257	\$ 162,917	\$ 780	\$ 807	\$ 19,827	\$ 196,698	\$ 297,956	\$ 342,886	\$ 267,560	\$ 1,021,742	\$ 140,000	\$ 571,554	\$ 10,978	\$ -	\$ 43,000	\$ 126,681	\$ 253,600	\$ 75,000	\$ 8,938,896



ESTIMATE REVIEW REPORT

TVWD WTP 1.0 - GMP1

2/9/2022

Project Location: Sherwood, Oregon

Bid Date: 11/4/2021

Lead Estimator: Michael Neher

Estimate Type: GMP

ITEM	ACTIVITY	DESCRIPTION	QTY	UNIT	TOTAL LABOR	TOTAL MATERIAL	TOTAL EQUIPMENT	TOTAL SUBCONTRACT	TOTAL COST						
TOTAL PROJECT COST					\$	17,681,354	\$	108,908,761	\$	1,752,381	\$	277,166,382	\$	405,508,878	
TOTAL INDIRECTS					\$	15,953,575	\$	75,799,800	\$	1,473,342	\$	281,542	\$	93,508,258	
FEES & INSURANCE					1	LS		\$	70,436,114					\$	70,436,114
P&P BOND					1	LS		\$	3,209,649					\$	3,209,649
GL / BR / POLL INSURANCES					1	LS		\$	5,802,217					\$	5,802,217
CAT TAX					1	LS		\$	1,502,412					\$	1,502,412
NEGOTIATE REDUCTION / CREDIT					1	LS		\$	(3,000,000)					\$	(3,000,000)
BID ALTERNATE 03					1	LS		\$	241,431					\$	241,431
BID ALTERNATE 04					1	LS		\$	182,237					\$	182,237
BID ALTERNATE 05					1	LS		\$	1,715,687					\$	1,715,687
BID ALTERNATE 06					1	LS		\$	2,905,813					\$	2,905,813
BID ALTERNATE 07					1	LS		\$	334,339					\$	334,339
NON-SELF PERFORM FEE					1	LS		\$	5,127,310					\$	5,127,310
SELF PERFORM FEE					1	LS		\$	18,402,478					\$	18,402,478
CM/GC CONTINGENCY					1	LS		\$	9,521,404					\$	9,521,404
ESCALATION CONTINGENCY					1	LS		\$	4,760,702					\$	4,760,702
OWNERS CONTINGENCY					1	LS		\$	15,869,006					\$	15,869,006
ALLOWANCES					1	LS		\$	3,861,428					\$	3,861,428
91000000	GENERAL CONDITIONS		217	WK	\$	17,099,822	\$	5,363,686	\$	1,473,342	\$	281,542	\$	23,072,144	
91001000	SALARIED & ADMIN PERSONNEL		217	WK	\$	17,035,011	\$	271,287	\$	1,159,960	\$	-	\$	17,320,011	
91001000	001002	PROJECT DIRECTOR	104	WK	\$	876,260	\$	-	\$	-	\$	-	\$	876,260	
91001000	001004	PROJECT MANAGER	184	WK	\$	1,419,066	\$	-	\$	-	\$	-	\$	1,419,066	
91001000	001005	SENIOR PROJECT ENGINEER	190	WK	\$	1,321,331	\$	-	\$	-	\$	-	\$	1,321,331	
91001000	001006	CONSTRUCTION MANAGER	151	WK	\$	1,103,967	\$	-	\$	-	\$	-	\$	1,103,967	
91001000	001008	PROJECT SUPERINTENDENT X 2	283	WK	\$	1,867,189	\$	-	\$	-	\$	-	\$	1,867,189	
91001000	001016	EI&C MANAGER	154	WK	\$	1,006,705	\$	-	\$	-	\$	-	\$	1,006,705	
91001000	001026	PROJECT ENGINEER X 3	415	WK	\$	2,322,660	\$	-	\$	-	\$	-	\$	2,322,660	
91001000	001028	FIELD ENGINEER X 3	420	WK	\$	1,798,985	\$	-	\$	-	\$	-	\$	1,798,985	
91001000	001029	SCHEDULING ENGINEER	158	WK	\$	888,460	\$	-	\$	-	\$	-	\$	888,460	
91001000	001036	PROJECT QUALITY MANAGER	151	WK	\$	888,580	\$	-	\$	-	\$	-	\$	888,580	
91001000	001039	SAFETY MANAGER	171	WK	\$	1,006,226	\$	-	\$	-	\$	-	\$	1,006,226	
91001000	001041	PROJECT ADMINSTRATOR	175	WK	\$	541,790	\$	-	\$	-	\$	-	\$	541,790	
91001000	001043	PROCUREMENT MANAGER	125	WK	\$	758,670	\$	-	\$	-	\$	-	\$	758,670	
91001000	001046	COMMISSIONING MANAGER	115	WK	\$	758,752	\$	-	\$	-	\$	-	\$	758,752	
91001000	001048	MODELER	92	WK	\$	476,370	\$	-	\$	-	\$	-	\$	476,370	
91001000	001083	RELOCATE PROJECT PERSONNEL	19	EA	\$	-	\$	285,000	\$	-	\$	-	\$	285,000	
91001100	FIELD OFFICES & FACILITIES		180	WK	\$	-	\$	1,926,018	\$	14,040	\$	160,542	\$	2,100,600	
91001100	01101	SUNDT MAIN OFFICE TRAILER - 4 WIDE	182	WK	\$	-	\$	288,481	\$	-	\$	-	\$	288,481	
91001100	01101.01	SUNDT SAFETY OFFICE TRAILER - 2 WIDE	165	WK	\$	-	\$	126,844	\$	-	\$	-	\$	126,844	
91001100	01101.02	OWNER OFFICE TRAILER - 4 WIDE	182	WK	\$	-	\$	288,347	\$	-	\$	-	\$	288,347	
91001100	01101.03	EARLY TEMP ONSITE TRAILERS - (2) SINGLE WIDES	26	WK	\$	-	\$	60,354	\$	14,040	\$	-	\$	74,394	
91001100	01102	SUNDT TRAILERS OFFICE FURN/EQUIP	1	LS	\$	-	\$	133,301	\$	-	\$	-	\$	133,301	
91001100	01103	OWNER TRAILER OFFICE FURN/EQUIP	1	LS	\$	-	\$	57,019	\$	-	\$	-	\$	57,019	
91001100	01104	COPY MACHINE X 3	660	WK	\$	-	\$	159,010	\$	-	\$	-	\$	159,010	
91001100	01110	SUNDT OFFICE SUPPLIES	217	WK	\$	-	\$	61,489	\$	-	\$	-	\$	61,489	
91001100	01111	POSTAGE, UPS, FED EX	217	WK	\$	-	\$	32,550	\$	-	\$	-	\$	32,550	
91001100	01132	TEMP SITE FENCE	8,278	LF	\$	-	\$	167,942	\$	-	\$	-	\$	167,942	
91001100	01136	CONEX STORAGE BOXES (UNCONDITIONED)	32	MO	\$	-	\$	94,672	\$	-	\$	-	\$	94,672	
91001100	01137	CONEX STORAGE BOXES (CONDITIONED)	28	MO	\$	-	\$	211,830	\$	-	\$	-	\$	211,830	

Detailed Estimate

91001100	01140	DRINKING WATER	38 MO	\$	-	\$	62,596	\$	-	\$	-	\$	62,596
91001100	01180	ONSITE JANITOR SERVICES	47 MO	\$	-	\$	-	\$	-	\$	160,542	\$	160,542
91001100	01190	PROJECT TEAM BUILDING/SPIRIT EVENTS	47 MO	\$	-	\$	56,400	\$	-	\$	-	\$	56,400
91001100	01211	LOW VOLTAGE HOOK-UP & DISTRIBUTION @ TRAILERS	10 EA	\$	-	\$	75,000	\$	-	\$	-	\$	75,000
91001100	01260	ALARM SYSTEM FOR ONSITE TRAILERS	41 MO	\$	-	\$	50,184	\$	-	\$	-	\$	50,184
91001200		UTILITIES	42 MO	\$	-	\$	673,448	\$	-	\$	-	\$	673,448
91001200	01214	TRAILER COMPLEX ELECTRICAL CONSUMPTION	41 MO	\$	-	\$	279,575	\$	-	\$	-	\$	279,575
91001200	01222	TRAILER COMPLEX WATER CONSUMPTION	41 MO	\$	-	\$	25,623	\$	-	\$	-	\$	25,623
91001200	01241	TRAILER COMPLEX SEWER SERVICE	41 MO	\$	-	\$	219,600	\$	-	\$	-	\$	219,600
91001200	01252	TRAILER COMPLEX INTERNET SERVICE	47 MO	\$	-	\$	148,650	\$	-	\$	-	\$	148,650
91001300		YARD & SECURITY	42 MO	\$	64,811	\$	1,867,398	\$	30,350	\$	-	\$	1,962,558
91001300	01201	CHEMICAL TOILETS	47 MO	\$	-	\$	322,036	\$	-	\$	-	\$	322,036
91001300	01303	SITE SECURITY PERSONNEL	170 WK	\$	-	\$	314,657	\$	-	\$	-	\$	314,657
91001300	01304	SITE SECURITY EQUIPMENT	170 WK	\$	-	\$	180,301	\$	-	\$	-	\$	180,301
91001300	01321	FINAL CLEANING	1 LS	\$	64,811	\$	-	\$	30,350	\$	-	\$	95,161
91001300	01322	DUMPSTER; DUMP FEES	42 MO	\$	-	\$	1,050,403	\$	-	\$	-	\$	1,050,403
91001400		MISC GENERAL REQUIREMENTS	42 MO	\$	-	\$	388,227	\$	-	\$	-	\$	388,227
91001400	01410	PROJECT SIGNS - BARRICADES, WARNING SYSTEMS, DIRECTIONAL SIGNAGE	1 LS	\$	-	\$	35,000	\$	-	\$	-	\$	35,000
91001400	01416	PROJECT DOCUMENTS/PRINTING	181 WK	\$	-	\$	26,550	\$	-	\$	-	\$	26,550
91001400	01435	LAND SURVEYOR - AS BUILT CERTIFICATION	41 MO	\$	-	\$	215,250	\$	-	\$	-	\$	215,250
91001400	01438	SURVEY/LAYOUT EQUIPMENT & SUPPLIES	1 LS	\$	-	\$	91,800	\$	-	\$	-	\$	91,800
91001400	01440	PROJECT PHOTO	1 LS	\$	-	\$	19,627	\$	-	\$	-	\$	19,627
91001500		FEES/ INSURANCE/ TAXES	1 LS	\$	-	\$	60,000	\$	-	\$	-	\$	60,000
91001500	01501	ENGINEERING FOR TEMPORARY FACILITIES	1 LS	\$	-	\$	30,000	\$	-	\$	-	\$	30,000
91001500	01502	TEXTURA FEES	1 LS	\$	-	\$	30,000	\$	-	\$	-	\$	30,000
91001700		SAFETY	1 LS	\$	-	\$	162,519	\$	-	\$	-	\$	162,519
91001700	01715	FIRST AID KITS, SUPPLIES	177 WK	\$	-	\$	44,250	\$	-	\$	-	\$	44,250
91001700	01720	SAFETY PPE	1 LS	\$	-	\$	50,000	\$	-	\$	-	\$	50,000
91001700	01721	SAFETY INCENTIVES & AWARDS	1 LS	\$	-	\$	48,000	\$	-	\$	-	\$	48,000
91001700	01722	FIRE EXTINGUISHERS	75 EA	\$	-	\$	20,269	\$	-	\$	-	\$	20,269
91001705		QUALITY	1 LS	\$	-	\$	-	\$	-	\$	121,000	\$	121,000
91001705	01705	3RD PARTY NACE INSPECTION	1 LS	\$	-	\$	-	\$	-	\$	61,000	\$	61,000
91001705	01706	3RD PARTY BUILDING ENVELOPE CONSULTANT	1 LS	\$	-	\$	-	\$	-	\$	60,000	\$	60,000
91001900		TOOLS AND EQUIPMENT	1 LS	\$	-	\$	14,789	\$	268,992	\$	-	\$	283,781
91001900	01921	LIGHT PLANT	177 WK	\$	-	\$	-	\$	178,599	\$	-	\$	178,599
91001900	01955	UTVs (GATORS)	177 WK	\$	-	\$	-	\$	90,393	\$	-	\$	90,393
91001900	01990	RADIOS	1 LS	\$	-	\$	14,789	\$	-	\$	-	\$	14,789
		TOTAL DIRECTS		\$	1,727,779	\$	33,108,961	\$	279,039	\$	276,884,840	\$	312,000,620
1000000		\$\$\$ 01 - CONSTRUCTION SUPPORT / GENERAL WORKS	1 LS	\$	1,385,570	\$	2,352,987	\$	269,439	\$	6,214,561	\$	10,222,556
1001010		Site Wide Equipment	2 EA	\$	237,789	\$	65,000	\$	159,218	\$	5,650,552	\$	6,112,559
1001010	1000.14	TOWER CRANE	1 LS	\$	-	\$	-	\$	-	\$	1,936,925	\$	1,936,925
1001010	1000.16	ELECTRICAL CONSUMPTION TOWER CRANE	25 MO	\$	-	\$	65,000	\$	-	\$	-	\$	65,000
1001010	1000.20	RT CRANE #01	1 LS	\$	-	\$	-	\$	-	\$	1,367,276	\$	1,367,276
1001010	1000.21	RT CRANE #02	1 LS	\$	-	\$	-	\$	-	\$	1,060,655	\$	1,060,655
1001010	1000.22	RT CRANE #03	1 LS	\$	-	\$	-	\$	-	\$	1,285,696	\$	1,285,696
1001010	1000.25	Forklift	30 MO	\$	237,789	\$	-	\$	159,218	\$	-	\$	397,007
1001015		Site Wide Construction Support	1 LS	\$	1,147,781	\$	1,000,249	\$	110,221	\$	564,009	\$	2,822,260
1001015	01131	CRAFT & STAFF PARKING LOT STRIPING & BUMPERS	1 LS	\$	15,920	\$	60,500	\$	-	\$	-	\$	76,420
1001015	01214	ELECTRICAL CONSUMPTION FOR CONSTRUCTION USE ONLY	41 MO	\$	-	\$	419,362	\$	-	\$	-	\$	419,362
1001015	01302	CRAFT BREAK AREA AND LUNCH FACILITY	1 LS	\$	-	\$	401,707	\$	-	\$	-	\$	401,707
1001015	1000.30	SITE SCAFFOLDING (STAIR TOWERS / DANCE PLATFORMS)	1 LS	\$	-	\$	-	\$	-	\$	218,548	\$	218,548
1001015	1000.32	EXCAVATION INGRESS / EGRESS LADDER STEPS	6 EA	\$	8,319	\$	40,680	\$	857	\$	-	\$	49,856
1001015	1000.35	TEMP PENETRATION COVERS/ BARRICADES / HANDRAIL	75 WK	\$	102,963	\$	10,000	\$	4,523	\$	-	\$	117,486
1001015	1000.40	PGE HIGH-VOLTAGE PROTECTION	4 EA	\$	14,904	\$	32,000	\$	1,940	\$	-	\$	48,844
1001015	1000.45	YARD MAINTENANCE / MOWING / GENERAL SITE CLEAN-UP / STORM PROTECTION & MAINTENANCE	134 WK	\$	1,005,675	\$	36,000	\$	102,901	\$	-	\$	1,144,576
1001015	1000.50	LAND SURVEYOR - ESTABLISH CONTROL POINTS	1 LS	\$	-	\$	-	\$	-	\$	30,000	\$	30,000
1001015	1000.55	STREET SWEEPING	139 WK	\$	-	\$	-	\$	-	\$	315,461	\$	315,461
1001040		Project Water Consumption	1 LS	\$	-	\$	1,237,237	\$	-	\$	-	\$	1,237,237
1001040	01222	Water Consumption - Earthwork	38 MO	\$	-	\$	424,889	\$	-	\$	-	\$	424,889
1001040	01223	Water Consumption - Other Subs	38 MO	\$	-	\$	261,861	\$	-	\$	-	\$	261,861
1001040	222100	pH ADJUST / WATER TREATMENT PRIOR TO DISCHARGE	38 MO	\$	-	\$	414,320	\$	-	\$	-	\$	414,320
1001040	222110	WATER DISCHARGE & DISPOSAL FEES	38 MO	\$	-	\$	136,167	\$	-	\$	-	\$	136,167

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Detailed Estimate

1001050		Sundt - Factory QC & Witness Testing	1 LS	\$	-	\$	50,500	\$	-	\$	-	\$	50,500
1001050	001620	FACTORY WITNESS TESTING	25 TRIP	\$	-	\$	50,500	\$	-	\$	-	\$	50,500
1002000		WC-0156 - Tree Protection	1 LS			ALLOWANCE		ALLOWANCE		ALLOWANCE		ALLOWANCE	ALLOWANCE
1003000		WC-0157 - Environmental Controls	1 LS	\$	-	\$	-	\$	-	\$	96,218	\$	96,218
1003010		\$\$ 02 - TEMPORARY CONSTRUCTION FACILITIES	1 LS	\$	-	\$	-	\$	-	\$	96,218	\$	96,218
1003010	028540	ESCP Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	96,218	\$	96,218
1003500		WC-0157 - Vibration Monitoring	1 LS	\$	-	\$	-	\$	-	\$	159,231	\$	159,231
1003510		\$\$ 02 - TEMPORARY CONSTRUCTION FACILITIES	1 LS	\$	-	\$	-	\$	-	\$	159,231	\$	159,231
1003510	01735	VIBRATION MONITORING SURVEY	1 LS	\$	-	\$	-	\$	-	\$	159,231	\$	159,231
1004000		WC-0190.1 - On-Site Commissioning & Startup	1 LS	\$	342,209	\$	1,727,207	\$	9,600	\$	335,950	\$	2,414,966
1004010		\$\$ 02 - TEMPORARY CONSTRUCTION FACILITIES	1 LS	\$	342,209	\$	1,727,207	\$	9,600	\$	335,950	\$	2,414,966
1004010	1000.10	WATER CONSUMPTION DURING TESTING & STARTUP	1 LS	\$	-	\$	182,367	\$	-	\$	-	\$	182,367
1004010	1000.11	pH / CHEMICAL ADJUSTMENT OF TEST AND STARTUP WATER (ON SITE)	17 WK	\$	150,366	\$	23,380	\$	-	\$	-	\$	173,746
1004010	1000.12	FINAL FILLS - CO ₂ , LOX, DIESEL, OIL & LUBE	1 LS	\$	-	\$	141,183	\$	-	\$	-	\$	141,183
1004010	1000.13	DISINFECTION OF STRUCTURES (EXCLUDES PIPE)	1 LS	\$	-	\$	-	\$	-	\$	27,030	\$	27,030
1004010	1000.14	DISINFECTION OF CHEM STORAGE TANKS	11 EA	\$	-	\$	-	\$	-	\$	8,920	\$	8,920
1004010	1000.15	ELECTRICAL CONSUMPTION DURING TESTING & STARTUP	14 MO	\$	-	\$	996,310	\$	-	\$	-	\$	996,310
1004010	1000.17	PROFESSIONAL VIDEOGRAPHER - TRAININGS	1 LS	\$	-	\$	100,000	\$	-	\$	-	\$	100,000
1004010	1000.19	TEMPORARY PIPING	1 LS	\$	74,522	\$	239,372	\$	9,600	\$	-	\$	323,494
1004010	1000.20	pH / CHEMICAL ADJUSTMENT OF TEST AND STARTUP WATER (OFF SITE)	5 WK	\$	117,322	\$	44,594	\$	-	\$	-	\$	161,916
1004010	1000.24	DEVELOPMENT OF PROCESS STARTUP PLAN	1 LS	\$	-	\$	-	\$	-	\$	300,000	\$	300,000
3000000		WC-0300 - Concrete - COMBINED	1 LS	\$	-	\$	-	\$	-	\$	50,825,840	\$	50,825,840
3000020		\$\$ 03 - SITE IMPROVEMENTS	1 LS	\$	-	\$	-	\$	-	\$	600,438	\$	600,438
3000020	030020	WC-0300.1 Concrete Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	600,438	\$	600,438
3000040		\$\$ 08 - ADMINISTRATION BUILDING	1 LS	\$	-	\$	-	\$	-	\$	1,020,332	\$	1,020,332
3000040	030020	WC-0300.1 Concrete Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	1,020,332	\$	1,020,332
3000050		\$\$ 11 - STANDBY GENERATION	1 LS	\$	-	\$	-	\$	-	\$	141,309	\$	141,309
3000050	030020	WC-0300.1 Concrete Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	141,309	\$	141,309
3000070		\$\$ 22 - BALLASTED FLOCCULATION	1 LS	\$	-	\$	-	\$	-	\$	8,700,418	\$	8,700,418
3000070	030020	WC-0300.1 Concrete Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	8,700,418	\$	8,700,418
3000090		\$\$ 26 - OZONE CONTACTOR	1 LS	\$	-	\$	-	\$	-	\$	7,129,370	\$	7,129,370
3000090	030020	WC-0300.1 Concrete Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	7,129,370	\$	7,129,370
3000100		\$\$ 28 - FILTRATION	1 LS	\$	-	\$	-	\$	-	\$	13,328,714	\$	13,328,714
3000100	030020	WC-0300.1 Concrete Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	13,328,714	\$	13,328,714
3000110		\$\$ 30 - UV DISINFECTION, PRIMARY SG AND MAINTENANC	1 LS	\$	-	\$	-	\$	-	\$	2,265,486	\$	2,265,486
3000110	030020	WC-0300.1 Concrete Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	2,265,486	\$	2,265,486
3000120		\$\$ 32 - CLEARWELL OVERFLOW	1 LS	\$	-	\$	-	\$	-	\$	1,080,207	\$	1,080,207
3000120	030024	WC-0300.3 Concrete Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	1,080,207	\$	1,080,207
3000140		\$\$ 34 -MAIN CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	2,390,463	\$	2,390,463
3000140	030020	WC-0300.1 Concrete Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	2,390,463	\$	2,390,463
3000160		\$\$ 37 - EQUALIZATION/OVERFLOW BASIN and RECYCLE PS	1 LS	\$	-	\$	-	\$	-	\$	3,446,250	\$	3,446,250
3000160	030024	WC-0300.3 Concrete Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	3,446,250	\$	3,446,250
3000170		\$\$ 40 - THICKENERS	1 LS	\$	-	\$	-	\$	-	\$	2,116,426	\$	2,116,426
3000170	030022	WC-0300.2 Concrete Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	2,116,426	\$	2,116,426
3000180		\$\$ 50 - DEWATERING	1 LS	\$	-	\$	-	\$	-	\$	1,291,612	\$	1,291,612
3000180	030022	WC-0300.2 Concrete Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	1,291,612	\$	1,291,612
3000190		\$\$ 51 - THICKENED SOLIDS STORAGE	1 LS	\$	-	\$	-	\$	-	\$	770,876	\$	770,876
3000190	030022	WC-0300.2 Concrete Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	770,876	\$	770,876
3000200		\$\$ 52 - THICKENED SOLIDS PUMP STATION	1 LS	\$	-	\$	-	\$	-	\$	332,786	\$	332,786
3000200	030022	WC-0300.2 Concrete Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	332,786	\$	332,786
3000210		\$\$ 53 - RAW WATER AND FINISH WATER PS	1 LS	\$	-	\$	-	\$	-	\$	5,498,627	\$	5,498,627
3000210	030024	WC-0300.3 Concrete Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	5,498,627	\$	5,498,627
3000220		\$\$ 54 - SURGE MITIGATION	1 LS	\$	-	\$	-	\$	-	\$	712,526	\$	712,526
3000220	030024	WC-0300.3 Concrete Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	712,526	\$	712,526
4000000		WC-0474 - Masonry	1 LS	\$	-	\$	-	\$	-	\$	1,446,038	\$	1,446,038
4000020		\$\$ 03 - SITE IMPROVEMENTS	1 LS	\$	-	\$	-	\$	-	\$	138,906	\$	138,906
4000020	047401	Site Wall (Type 3)	1 LS	\$	-	\$	-	\$	-	\$	138,906	\$	138,906
4000070		\$\$ 22 - BALLASTED FLOCCULATION	1 LS	\$	-	\$	-	\$	-	\$	177,228	\$	177,228
4000070	047401	Masonry Sub	1 LS	\$	-	\$	-	\$	-	\$	177,228	\$	177,228
4000080		\$\$ 25 - OZONE GENERATION	1 LS	\$	-	\$	-	\$	-	\$	51,807	\$	51,807
4000080	047401	Masonry Sub	1 LS	\$	-	\$	-	\$	-	\$	51,807	\$	51,807
4000090		\$\$ 26 - OZONE CONTACTOR	1 LS	\$	-	\$	-	\$	-	\$	75,077	\$	75,077

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4000090	047401	Masonry Sub	1 LS	\$	-	\$	-	\$	-	\$	75,077	\$	75,077
4000100		\$\$ 28 - FILTRATION	1 LS	\$	-	\$	-	\$	-	\$	108,196	\$	108,196
4000100	047401	Masonry Sub	1 LS	\$	-	\$	-	\$	-	\$	108,196	\$	108,196
4000110		\$\$ 30 - UV DISINFECTION, PRIMARY SG AND MAINTENANC	1 LS	\$	-	\$	-	\$	-	\$	350,403	\$	350,403
4000110	047401	Masonry Sub	1 LS	\$	-	\$	-	\$	-	\$	350,403	\$	350,403
4000130		\$\$ 33 - OUTDOOR CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	85,627	\$	85,627
4000130	047401	Masonry Sub	1 LS	\$	-	\$	-	\$	-	\$	85,627	\$	85,627
4000140		\$\$ 34 -MAIN CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	354,643	\$	354,643
4000140	047401	Masonry Sub	1 LS	\$	-	\$	-	\$	-	\$	354,643	\$	354,643
4000210		\$\$ 53 - RAW WATER AND FINISH WATER PS	1 LS	\$	-	\$	-	\$	-	\$	104,151	\$	104,151
4000210	047401	Masonry Sub	1 LS	\$	-	\$	-	\$	-	\$	104,151	\$	104,151
5000000		WC-0580 - Structural Steel & Misc Metals	1 LS	\$	-	\$	-	\$	-	\$	16,804,139	\$	16,804,139
5000020		\$\$ 03 - SITE IMPROVEMENTS	1 LS	\$	-	\$	-	\$	-	\$	62,757	\$	62,757
5000020	058010	STEEL & MISC METALS SUB	1 LS	\$	-	\$	-	\$	-	\$	62,757	\$	62,757
5000040		\$\$ 08 - ADMINISTRATION BUILDING	1 LS	\$	-	\$	-	\$	-	\$	874,954	\$	874,954
5000040	058010	STEEL & MISC METALS SUB	1 LS	\$	-	\$	-	\$	-	\$	874,954	\$	874,954
5000050		\$\$ 11 - STANDBY GENERATION	1 LS	\$	-	\$	-	\$	-	\$	548,994	\$	548,994
5000050	058010	STEEL & MISC METALS SUB	1 LS	\$	-	\$	-	\$	-	\$	548,994	\$	548,994
5000070		\$\$ 22 - BALLASTED FLOCCULATION	1 LS	\$	-	\$	-	\$	-	\$	1,452,098	\$	1,452,098
5000070	058010	STEEL & MISC METALS SUB	1 LS	\$	-	\$	-	\$	-	\$	1,452,098	\$	1,452,098
5000080		\$\$ 25 - OZONE GENERATION	1 LS	\$	-	\$	-	\$	-	\$	1,102,931	\$	1,102,931
5000080	058010	STEEL & MISC METALS SUB	1 LS	\$	-	\$	-	\$	-	\$	1,102,931	\$	1,102,931
5000090		\$\$ 26 - OZONE CONTACTOR	1 LS	\$	-	\$	-	\$	-	\$	1,467,912	\$	1,467,912
5000090	058010	STEEL & MISC METALS SUB	1 LS	\$	-	\$	-	\$	-	\$	1,467,912	\$	1,467,912
5000100		\$\$ 28 - FILTRATION	1 LS	\$	-	\$	-	\$	-	\$	1,585,082	\$	1,585,082
5000100	058010	STEEL & MISC METALS SUB	1 LS	\$	-	\$	-	\$	-	\$	1,585,082	\$	1,585,082
5000110		\$\$ 30 - UV DISINFECTION, PRIMARY SG AND MAINTENANC	1 LS	\$	-	\$	-	\$	-	\$	1,982,664	\$	1,982,664
5000110	058010	STEEL & MISC METALS SUB	1 LS	\$	-	\$	-	\$	-	\$	1,982,664	\$	1,982,664
5000120		\$\$ 32 - CLEARWELL OVERFLOW	1 LS	\$	-	\$	-	\$	-	\$	77,222	\$	77,222
5000120	058010	STEEL & MISC METALS SUB	1 LS	\$	-	\$	-	\$	-	\$	77,222	\$	77,222
5000130		\$\$ 33 - OUTDOOR CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	662,877	\$	662,877
5000130	058010	STEEL & MISC METALS SUB	1 LS	\$	-	\$	-	\$	-	\$	662,877	\$	662,877
5000140		\$\$ 34 -MAIN CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	1,737,042	\$	1,737,042
5000140	058010	STEEL & MISC METALS SUB	1 LS	\$	-	\$	-	\$	-	\$	1,737,042	\$	1,737,042
5000150		\$\$ 35 - CLEARWELL	1 LS	\$	-	\$	-	\$	-	\$	239,802	\$	239,802
5000150	058010	STEEL & MISC METALS SUB	1 LS	\$	-	\$	-	\$	-	\$	239,802	\$	239,802
5000160		\$\$ 37 - EQUALIZATION/OVERFLOW BASIN and RECYCLE PS	1 LS	\$	-	\$	-	\$	-	\$	672,460	\$	672,460
5000160	058010	STEEL & MISC METALS SUB	1 LS	\$	-	\$	-	\$	-	\$	672,460	\$	672,460
5000170		\$\$ 40 - THICKENERS	1 LS	\$	-	\$	-	\$	-	\$	761,046	\$	761,046
5000170	058010	STEEL & MISC METALS SUB	1 LS	\$	-	\$	-	\$	-	\$	761,046	\$	761,046
5000180		\$\$ 50 - DEWATERING	1 LS	\$	-	\$	-	\$	-	\$	1,032,804	\$	1,032,804
5000180	058010	STEEL & MISC METALS SUB	1 LS	\$	-	\$	-	\$	-	\$	1,032,804	\$	1,032,804
5000190		\$\$ 51 - THICKENED SOLIDS STORAGE	1 LS	\$	-	\$	-	\$	-	\$	103,958	\$	103,958
5000190	058010	STEEL & MISC METALS SUB	1 LS	\$	-	\$	-	\$	-	\$	103,958	\$	103,958
5000200		\$\$ 52 - THICKENED SOLIDS PUMP STATION	1 LS	\$	-	\$	-	\$	-	\$	663,638	\$	663,638
5000200	058010	STEEL & MISC METALS SUB	1 LS	\$	-	\$	-	\$	-	\$	663,638	\$	663,638
5000210		\$\$ 53 - RAW WATER AND FINISH WATER PS	1 LS	\$	-	\$	-	\$	-	\$	1,686,045	\$	1,686,045
5000210	058010	STEEL & MISC METALS SUB	1 LS	\$	-	\$	-	\$	-	\$	1,686,045	\$	1,686,045
5000220		\$\$ 54 - SURGE MITIGATION	1 LS	\$	-	\$	-	\$	-	\$	89,853	\$	89,853
5000220	058010	STEEL & MISC METALS SUB	1 LS	\$	-	\$	-	\$	-	\$	89,853	\$	89,853
6000000		WC-0617 - Cross-Laminated Timber (CLT)	1 LS	\$	-	\$	-	\$	-	\$	540,927	\$	540,927
6000040		\$\$ 08 - ADMINISTRATION BUILDING	1 LS	\$	-	\$	-	\$	-	\$	540,927	\$	540,927
6000040	068001	CLT SUB	1 LS	\$	-	\$	-	\$	-	\$	540,927	\$	540,927
6000300		WC-0674 - FRP Components	1 LS	\$	-	\$	-	\$	-	\$	1,432,962	\$	1,432,962
6000370		\$\$ 22 - BALLASTED FLOCCULATION	1 LS	\$	-	\$	-	\$	-	\$	236,530	\$	236,530
6000370	068002	FRP SUB	1 LS	\$	-	\$	-	\$	-	\$	236,530	\$	236,530
6000400		\$\$ 28 - FILTRATION	1 LS	\$	-	\$	-	\$	-	\$	157,337	\$	157,337
6000400	068002	FRP SUB	1 LS	\$	-	\$	-	\$	-	\$	157,337	\$	157,337
6000410		\$\$ 30 - UV DISINFECTION, PRIMARY SG AND MAINTENANC	1 LS	\$	-	\$	-	\$	-	\$	183,103	\$	183,103
6000410	068002	FRP SUB	1 LS	\$	-	\$	-	\$	-	\$	183,103	\$	183,103
6000430		\$\$ 33 - OUTDOOR CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	91,317	\$	91,317
6000430	068002	FRP SUB	1 LS	\$	-	\$	-	\$	-	\$	91,317	\$	91,317

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6000440		\$\$ 34 -MAIN CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	598,741	\$	598,741
6000440	068002	FRP SUB	1 LS	\$	-	\$	-	\$	-	\$	598,741	\$	598,741
6000480		\$\$ 50 - DEWATERING	1 LS	\$	-	\$	-	\$	-	\$	165,934	\$	165,934
6000480	068002	FRP SUB	1 LS	\$	-	\$	-	\$	-	\$	165,934	\$	165,934
7000000		WC-0710 - Damproofing & Waterproofing	1 LS	\$	-	\$	-	\$	-	\$	851,544	\$	851,544
7000020		\$\$ 03 - SITE IMPROVEMENTS	1 LS	\$	-	\$	-	\$	-	\$	11,569	\$	11,569
7000020	071510	Dampproofing Sub	1 LS	\$	-	\$	-	\$	-	\$	11,569	\$	11,569
7000040		\$\$ 08 - ADMINISTRATION BUILDING	1 LS	\$	-	\$	-	\$	-	\$	15,569	\$	15,569
7000040	071510	Dampproofing Sub	1 LS	\$	-	\$	-	\$	-	\$	15,569	\$	15,569
7000070		\$\$ 22 - BALLASTED FLOCCULATION	1 LS	\$	-	\$	-	\$	-	\$	11,592	\$	11,592
7000070	071510	Dampproofing Sub	1 LS	\$	-	\$	-	\$	-	\$	11,592	\$	11,592
7000080		\$\$ 25 - OZONE GENERATION	1 LS	\$	-	\$	-	\$	-	\$	3,044	\$	3,044
7000080	071510	Dampproofing Sub	1 LS	\$	-	\$	-	\$	-	\$	3,044	\$	3,044
7000090		\$\$ 26 - OZONE CONTACTOR	1 LS	\$	-	\$	-	\$	-	\$	14,800	\$	14,800
7000090	071510	Dampproofing Sub	1 LS	\$	-	\$	-	\$	-	\$	14,800	\$	14,800
7000100		\$\$ 28 - FILTRATION	1 LS	\$	-	\$	-	\$	-	\$	84,856	\$	84,856
7000100	071510	Dampproofing Sub	1 LS	\$	-	\$	-	\$	-	\$	84,856	\$	84,856
7000110		\$\$ 30 - UV DISINFECTION, PRIMARY SG AND MAINTENANC	1 LS	\$	-	\$	-	\$	-	\$	49,457	\$	49,457
7000110	071510	Dampproofing Sub	1 LS	\$	-	\$	-	\$	-	\$	49,457	\$	49,457
7000120		\$\$ 32 - CLEARWELL OVERFLOW	1 LS	\$	-	\$	-	\$	-	\$	31,319	\$	31,319
7000120	071510	Dampproofing Sub	1 LS	\$	-	\$	-	\$	-	\$	31,319	\$	31,319
7000140		\$\$ 34 -MAIN CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	98,365	\$	98,365
7000140	071510	Dampproofing Sub	1 LS	\$	-	\$	-	\$	-	\$	98,365	\$	98,365
7000150		\$\$ 35 - CLEARWELL	1 LS	\$	-	\$	-	\$	-	\$	342,107	\$	342,107
7000150	071510	Dampproofing Sub	1 LS	\$	-	\$	-	\$	-	\$	342,107	\$	342,107
7000160		\$\$ 37 - EQUALIZATION/OVERFLOW BASIN and RECYCLE PS	1 LS	\$	-	\$	-	\$	-	\$	68,326	\$	68,326
7000160	071510	Dampproofing Sub	1 LS	\$	-	\$	-	\$	-	\$	68,326	\$	68,326
7000170		\$\$ 40 - THICKENERS	1 LS	\$	-	\$	-	\$	-	\$	22,937	\$	22,937
7000170	071510	Dampproofing Sub	1 LS	\$	-	\$	-	\$	-	\$	22,937	\$	22,937
7000200		\$\$ 52 - THICKENED SOLIDS PUMP STATION	1 LS	\$	-	\$	-	\$	-	\$	16,781	\$	16,781
7000200	071510	Dampproofing Sub	1 LS	\$	-	\$	-	\$	-	\$	16,781	\$	16,781
7000210		\$\$ 53 - RAW WATER AND FINISH WATER PS	1 LS	\$	-	\$	-	\$	-	\$	80,823	\$	80,823
7000210	071510	Dampproofing Sub	1 LS	\$	-	\$	-	\$	-	\$	80,823	\$	80,823
7000300		WC-0741 - Metal Roof & Wall Panels	1 LS	\$	-	\$	-	\$	-	\$	5,182,001	\$	5,182,001
7000340		\$\$ 08 - ADMINISTRATION BUILDING	1 LS	\$	-	\$	-	\$	-	\$	1,093,609	\$	1,093,609
7000340	074030	Metal Roof / Wall Panel Sub	1 LS	\$	-	\$	-	\$	-	\$	1,093,609	\$	1,093,609
7000370		\$\$ 22 - BALLASTED FLOCCULATION	1 LS	\$	-	\$	-	\$	-	\$	182,845	\$	182,845
7000370	074030	Metal Roof / Wall Panel Sub	1 LS	\$	-	\$	-	\$	-	\$	182,845	\$	182,845
7000400		\$\$ 28 - FILTRATION	1 LS	\$	-	\$	-	\$	-	\$	303,000	\$	303,000
7000400	074030	Metal Roof / Wall Panel Sub	1 LS	\$	-	\$	-	\$	-	\$	303,000	\$	303,000
7000410		\$\$ 30 - UV DISINFECTION, PRIMARY SG AND MAINTENANC	1 LS	\$	-	\$	-	\$	-	\$	886,142	\$	886,142
7000410	074030	Metal Roof / Wall Panel Sub	1 LS	\$	-	\$	-	\$	-	\$	886,142	\$	886,142
7000430		\$\$ 33 - OUTDOOR CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	70,324	\$	70,324
7000430	074030	Metal Roof / Wall Panel Sub	1 LS	\$	-	\$	-	\$	-	\$	70,324	\$	70,324
7000440		\$\$ 34 -MAIN CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	784,873	\$	784,873
7000440	074030	Metal Roof / Wall Panel Sub	1 LS	\$	-	\$	-	\$	-	\$	784,873	\$	784,873
7000460		\$\$ 37 - EQUALIZATION/OVERFLOW BASIN and RECYCLE PS	1 LS	\$	-	\$	-	\$	-	\$	81,528	\$	81,528
7000460	074030	Metal Roof / Wall Panel Sub	1 LS	\$	-	\$	-	\$	-	\$	81,528	\$	81,528
7000480		\$\$ 50 - DEWATERING	1 LS	\$	-	\$	-	\$	-	\$	506,266	\$	506,266
7000480	074030	Metal Roof / Wall Panel Sub	1 LS	\$	-	\$	-	\$	-	\$	506,266	\$	506,266
7000500		\$\$ 52 - THICKENED SOLIDS PUMP STATION	1 LS	\$	-	\$	-	\$	-	\$	61,073	\$	61,073
7000500	074030	Metal Roof / Wall Panel Sub	1 LS	\$	-	\$	-	\$	-	\$	61,073	\$	61,073
7000510		\$\$ 53 - RAW WATER AND FINISH WATER PS	1 LS	\$	-	\$	-	\$	-	\$	1,212,341	\$	1,212,341
7000510	074030	Metal Roof / Wall Panel Sub	1 LS	\$	-	\$	-	\$	-	\$	1,212,341	\$	1,212,341
7000600		WC-0754 - Polyvinyl-Chloride (PVC) Roofing	1 LS	\$	-	\$	-	\$	-	\$	1,403,061	\$	1,403,061
7000640		\$\$ 08 - ADMINISTRATION BUILDING	1 LS	\$	-	\$	-	\$	-	\$	89,769	\$	89,769
7000640	075030	PVC Roof Sub	1 LS	\$	-	\$	-	\$	-	\$	89,769	\$	89,769
7000670		\$\$ 22 - BALLASTED FLOCCULATION	1 LS	\$	-	\$	-	\$	-	\$	200,773	\$	200,773
7000670	075030	PVC Roof Sub	1 LS	\$	-	\$	-	\$	-	\$	200,773	\$	200,773
7000680		\$\$ 25 - OZONE GENERATION	1 LS	\$	-	\$	-	\$	-	\$	334,308	\$	334,308
7000680	075030	PVC Roof Sub	1 LS	\$	-	\$	-	\$	-	\$	334,308	\$	334,308
7000690		\$\$ 26 - OZONE CONTACTOR	1 LS	\$	-	\$	-	\$	-	\$	272,397	\$	272,397

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7000690	075030	PVC Roof Sub	1 LS	\$	-	\$	-	\$	-	\$	272,397	\$	272,397
7000700		\$\$ 28 - FILTRATION	1 LS	\$	-	\$	-	\$	-	\$	26,670	\$	26,670
7000700	075030	PVC Roof Sub	1 LS	\$	-	\$	-	\$	-	\$	26,670	\$	26,670
7000710		\$\$ 30 - UV DISINFECTION, PRIMARY SG AND MAINTENANC	1 LS	\$	-	\$	-	\$	-	\$	138,435	\$	138,435
7000710	075030	PVC Roof Sub	1 LS	\$	-	\$	-	\$	-	\$	138,435	\$	138,435
7000730		\$\$ 33 - OUTDOOR CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	91,580	\$	91,580
7000730	075030	PVC Roof Sub	1 LS	\$	-	\$	-	\$	-	\$	91,580	\$	91,580
7000740		\$\$ 34 -MAIN CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	163,832	\$	163,832
7000740	075030	PVC Roof Sub	1 LS	\$	-	\$	-	\$	-	\$	163,832	\$	163,832
7000780		\$\$ 50 - DEWATERING	1 LS	\$	-	\$	-	\$	-	\$	85,297	\$	85,297
7000780	075030	PVC Roof Sub	1 LS	\$	-	\$	-	\$	-	\$	85,297	\$	85,297
7001000		WC-0790 - Caulking & Sealants	1 LS	\$	-	\$	-	\$	-	\$	106,050	\$	106,050
7001020		\$\$ 03 - SITE IMPROVEMENTS	1 LS	\$	-	\$	-	\$	-	\$	10,100	\$	10,100
7001020	079010	Caulking & Sealants Sub	1 LS	\$	-	\$	-	\$	-	\$	10,100	\$	10,100
7001040		\$\$ 08 - ADMINISTRATION BUILDING	1 LS	\$	-	\$	-	\$	-	\$	5,050	\$	5,050
7001040	079010	Caulking & Sealants Sub	1 LS	\$	-	\$	-	\$	-	\$	5,050	\$	5,050
7001050		\$\$ 11 - STANDBY GENERATION	1 LS	\$	-	\$	-	\$	-	\$	2,525	\$	2,525
7001050	079010	Caulking & Sealants Sub	1 LS	\$	-	\$	-	\$	-	\$	2,525	\$	2,525
7001070		\$\$ 22 - BALLASTED FLOCCULATION	1 LS	\$	-	\$	-	\$	-	\$	5,050	\$	5,050
7001070	079010	Caulking & Sealants Sub	1 LS	\$	-	\$	-	\$	-	\$	5,050	\$	5,050
7001080		\$\$ 25 - OZONE GENERATION	1 LS	\$	-	\$	-	\$	-	\$	5,050	\$	5,050
7001080	079010	Caulking & Sealants Sub	1 LS	\$	-	\$	-	\$	-	\$	5,050	\$	5,050
7001090		\$\$ 26 - OZONE CONTACTOR	1 LS	\$	-	\$	-	\$	-	\$	5,050	\$	5,050
7001090	079010	Caulking & Sealants Sub	1 LS	\$	-	\$	-	\$	-	\$	5,050	\$	5,050
7001100		\$\$ 28 - FILTRATION	1 LS	\$	-	\$	-	\$	-	\$	5,050	\$	5,050
7001100	079010	Caulking & Sealants Sub	1 LS	\$	-	\$	-	\$	-	\$	5,050	\$	5,050
7001110		\$\$ 30 - UV DISINFECTION, PRIMARY SG AND MAINTENANC	1 LS	\$	-	\$	-	\$	-	\$	10,100	\$	10,100
7001110	079010	Caulking & Sealants Sub	1 LS	\$	-	\$	-	\$	-	\$	10,100	\$	10,100
7001120		\$\$ 32 - CLEARWELL OVERFLOW	1 LS	\$	-	\$	-	\$	-	\$	5,050	\$	5,050
7001120	079010	Caulking & Sealants Sub	1 LS	\$	-	\$	-	\$	-	\$	5,050	\$	5,050
7001130		\$\$ 33 - OUTDOOR CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	5,050	\$	5,050
7001130	079010	Caulking & Sealants Sub	1 LS	\$	-	\$	-	\$	-	\$	5,050	\$	5,050
7001140		\$\$ 34 -MAIN CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	10,100	\$	10,100
7001140	079010	Caulking & Sealants Sub	1 LS	\$	-	\$	-	\$	-	\$	10,100	\$	10,100
7001150		\$\$ 35 - CLEARWELL	1 LS	\$	-	\$	-	\$	-	\$	5,050	\$	5,050
7001150	079010	Caulking & Sealants Sub	1 LS	\$	-	\$	-	\$	-	\$	5,050	\$	5,050
7001160		\$\$ 37 - EQUALIZATION/OVERFLOW BASIN and RECYCLE PS	1 LS	\$	-	\$	-	\$	-	\$	10,100	\$	10,100
7001160	079010	Caulking & Sealants Sub	1 LS	\$	-	\$	-	\$	-	\$	10,100	\$	10,100
7001170		\$\$ 40 - THICKENERS	1 LS	\$	-	\$	-	\$	-	\$	2,525	\$	2,525
7001170	079010	Caulking & Sealants Sub	1 LS	\$	-	\$	-	\$	-	\$	2,525	\$	2,525
7001180		\$\$ 50 - DEWATERING	1 LS	\$	-	\$	-	\$	-	\$	2,525	\$	2,525
7001180	079010	Caulking & Sealants Sub	1 LS	\$	-	\$	-	\$	-	\$	2,525	\$	2,525
7001190		\$\$ 51 - THICKENED SOLIDS STORAGE	1 LS	\$	-	\$	-	\$	-	\$	2,525	\$	2,525
7001190	079010	Caulking & Sealants Sub	1 LS	\$	-	\$	-	\$	-	\$	2,525	\$	2,525
7001200		\$\$ 52 - THICKENED SOLIDS PUMP STATION	1 LS	\$	-	\$	-	\$	-	\$	2,525	\$	2,525
7001200	079010	Caulking & Sealants Sub	1 LS	\$	-	\$	-	\$	-	\$	2,525	\$	2,525
7001210		\$\$ 53 - RAW WATER AND FINISH WATER PS	1 LS	\$	-	\$	-	\$	-	\$	10,100	\$	10,100
7001210	079010	Caulking & Sealants Sub	1 LS	\$	-	\$	-	\$	-	\$	10,100	\$	10,100
7001220		\$\$ 54 - SURGE MITIGATION	1 LS	\$	-	\$	-	\$	-	\$	2,525	\$	2,525
7001220	079010	Caulking & Sealants Sub	1 LS	\$	-	\$	-	\$	-	\$	2,525	\$	2,525
7001300		WC-0795 - Expansion Control	1 LS		ALLOWANCE		ALLOWANCE		ALLOWANCE		ALLOWANCE		ALLOWANCE
8000000		WC-0810 - Doors and Hardware	1 LS	\$	-	\$	-	\$	-	\$	815,029	\$	815,029
8000040		\$\$ 08 - ADMINISTRATION BUILDING	1 LS	\$	-	\$	-	\$	-	\$	151,701	\$	151,701
8000040	081001	Door & Hardware Sub	1 LS	\$	-	\$	-	\$	-	\$	151,701	\$	151,701
8000070		\$\$ 22 - BALLASTED FLOCCULATION	1 LS	\$	-	\$	-	\$	-	\$	74,758	\$	74,758
8000070	081001	Door & Hardware Sub	1 LS	\$	-	\$	-	\$	-	\$	74,758	\$	74,758
8000080		\$\$ 25 - OZONE GENERATION	1 LS	\$	-	\$	-	\$	-	\$	55,608	\$	55,608
8000080	081001	Door & Hardware Sub	1 LS	\$	-	\$	-	\$	-	\$	55,608	\$	55,608
8000090		\$\$ 26 - OZONE CONTACTOR	1 LS	\$	-	\$	-	\$	-	\$	15,433	\$	15,433
8000090	081001	Door & Hardware Sub	1 LS	\$	-	\$	-	\$	-	\$	15,433	\$	15,433
8000100		\$\$ 28 - FILTRATION	1 LS	\$	-	\$	-	\$	-	\$	95,007	\$	95,007
8000100	081001	Door & Hardware Sub	1 LS	\$	-	\$	-	\$	-	\$	95,007	\$	95,007

Detailed Estimate

8000110		\$\$ 30 - UV DISINFECTION, PRIMARY SG AND MAINTENANC	1 LS	\$	-	\$	-	\$	-	\$	115,813	\$	115,813
8000110	081001	Door & Hardware Sub	1 LS	\$	-	\$	-	\$	-	\$	115,813	\$	115,813
8000130		\$\$ 33 - OUTDOOR CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	15,439	\$	15,439
8000130	081001	Door & Hardware Sub	1 LS	\$	-	\$	-	\$	-	\$	15,439	\$	15,439
8000140		\$\$ 34 -MAIN CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	127,156	\$	127,156
8000140	081001	Door & Hardware Sub	1 LS	\$	-	\$	-	\$	-	\$	127,156	\$	127,156
8000160		\$\$ 37 - EQUALIZATION/OVERFLOW BASIN and RECYCLE PS	1 LS	\$	-	\$	-	\$	-	\$	17,127	\$	17,127
8000160	081001	Door & Hardware Sub	1 LS	\$	-	\$	-	\$	-	\$	17,127	\$	17,127
8000180		\$\$ 50 - DEWATERING	1 LS	\$	-	\$	-	\$	-	\$	63,056	\$	63,056
8000180	081001	Door & Hardware Sub	1 LS	\$	-	\$	-	\$	-	\$	63,056	\$	63,056
8000200		\$\$ 52 - THICKENED SOLIDS PUMP STATION	1 LS	\$	-	\$	-	\$	-	\$	13,299	\$	13,299
8000200	081001	Door & Hardware Sub	1 LS	\$	-	\$	-	\$	-	\$	13,299	\$	13,299
8000210		\$\$ 53 - RAW WATER AND FINISH WATER PS	1 LS	\$	-	\$	-	\$	-	\$	70,634	\$	70,634
8000210	081001	Door & Hardware Sub	1 LS	\$	-	\$	-	\$	-	\$	70,634	\$	70,634
8000300		WC-0833 - Overhead Coiling Doors	1 LS	\$	-	\$	-	\$	-	\$	533,850	\$	533,850
8000370		\$\$ 22 - BALLASTED FLOCCULATION	1 LS	\$	-	\$	-	\$	-	\$	23,709	\$	23,709
8000370	083110	OH Coiling Door Sub	1 LS	\$	-	\$	-	\$	-	\$	23,709	\$	23,709
8000390		\$\$ 26 - OZONE CONTACTOR	1 LS	\$	-	\$	-	\$	-	\$	66,385	\$	66,385
8000390	083110	OH Coiling Door Sub	1 LS	\$	-	\$	-	\$	-	\$	66,385	\$	66,385
8000400		\$\$ 28 - FILTRATION	1 LS	\$	-	\$	-	\$	-	\$	23,709	\$	23,709
8000400	083110	OH Coiling Door Sub	1 LS	\$	-	\$	-	\$	-	\$	23,709	\$	23,709
8000410		\$\$ 30 - UV DISINFECTION, PRIMARY SG AND MAINTENANC	1 LS	\$	-	\$	-	\$	-	\$	111,433	\$	111,433
8000410	083110	OH Coiling Door Sub	1 LS	\$	-	\$	-	\$	-	\$	111,433	\$	111,433
8000430		\$\$ 33 - OUTDOOR CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	23,709	\$	23,709
8000430	083110	OH Coiling Door Sub	1 LS	\$	-	\$	-	\$	-	\$	23,709	\$	23,709
8000440		\$\$ 34 -MAIN CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	233,139	\$	233,139
8000440	083110	OH Coiling Door Sub	1 LS	\$	-	\$	-	\$	-	\$	233,139	\$	233,139
8000480		\$\$ 50 - DEWATERING	1 LS	\$	-	\$	-	\$	-	\$	19,758	\$	19,758
8000480	083110	OH Coiling Door Sub	1 LS	\$	-	\$	-	\$	-	\$	19,758	\$	19,758
8000510		\$\$ 53 - RAW WATER AND FINISH WATER PS	1 LS	\$	-	\$	-	\$	-	\$	32,007	\$	32,007
8000510	083110	OH Coiling Door Sub	1 LS	\$	-	\$	-	\$	-	\$	32,007	\$	32,007
8000600		WC-0840 - Aluminum Framed Entrances and Storefront	1 LS	\$	-	\$	-	\$	-	\$	887,476	\$	887,476
8000640		\$\$ 08 - ADMINISTRATION BUILDING	1 LS	\$	-	\$	-	\$	-	\$	378,207	\$	378,207
8000640	084001	Storefront / Window Sub	1 LS	\$	-	\$	-	\$	-	\$	378,207	\$	378,207
8000670		\$\$ 22 - BALLASTED FLOCCULATION	1 LS	\$	-	\$	-	\$	-	\$	60,805	\$	60,805
8000670	084001	Storefront / Window Sub	1 LS	\$	-	\$	-	\$	-	\$	60,805	\$	60,805
8000680		\$\$ 25 - OZONE GENERATION	1 LS	\$	-	\$	-	\$	-	\$	11,215	\$	11,215
8000680	084001	Storefront / Window Sub	1 LS	\$	-	\$	-	\$	-	\$	11,215	\$	11,215
8000690		\$\$ 26 - OZONE CONTACTOR	1 LS	\$	-	\$	-	\$	-	\$	7,026	\$	7,026
8000690	084001	Storefront / Window Sub	1 LS	\$	-	\$	-	\$	-	\$	7,026	\$	7,026
8000700		\$\$ 28 - FILTRATION	1 LS	\$	-	\$	-	\$	-	\$	1,621	\$	1,621
8000700	084001	Storefront / Window Sub	1 LS	\$	-	\$	-	\$	-	\$	1,621	\$	1,621
8000710		\$\$ 30 - UV DISINFECTION, PRIMARY SG AND MAINTENANC	1 LS	\$	-	\$	-	\$	-	\$	100,666	\$	100,666
8000710	084001	Storefront / Window Sub	1 LS	\$	-	\$	-	\$	-	\$	100,666	\$	100,666
8000730		\$\$ 33 - OUTDOOR CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	13,242	\$	13,242
8000730	084001	Storefront / Window Sub	1 LS	\$	-	\$	-	\$	-	\$	13,242	\$	13,242
8000740		\$\$ 34 -MAIN CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	70,939	\$	70,939
8000740	084001	Storefront / Window Sub	1 LS	\$	-	\$	-	\$	-	\$	70,939	\$	70,939
8000780		\$\$ 50 - DEWATERING	1 LS	\$	-	\$	-	\$	-	\$	77,290	\$	77,290
8000780	084001	Storefront / Window Sub	1 LS	\$	-	\$	-	\$	-	\$	77,290	\$	77,290
8000810		\$\$ 53 - RAW WATER AND FINISH WATER PS	1 LS	\$	-	\$	-	\$	-	\$	166,465	\$	166,465
8000810	084001	Storefront / Window Sub	1 LS	\$	-	\$	-	\$	-	\$	166,465	\$	166,465
9000000		WC-0929 - Gypsum Board Walls	1 LS	\$	-	\$	-	\$	-	\$	2,489,183	\$	2,489,183
9000040		\$\$ 08 - ADMINISTRATION BUILDING	1 LS	\$	-	\$	-	\$	-	\$	828,599	\$	828,599
9000040	092510	Framing & Drywall Sub	1 LS	\$	-	\$	-	\$	-	\$	828,599	\$	828,599
9000070		\$\$ 22 - BALLASTED FLOCCULATION	1 LS	\$	-	\$	-	\$	-	\$	20,080	\$	20,080
9000070	092510	Framing & Drywall Sub	1 LS	\$	-	\$	-	\$	-	\$	20,080	\$	20,080
9000080		\$\$ 25 - OZONE GENERATION	1 LS	\$	-	\$	-	\$	-	\$	51,810	\$	51,810
9000080	092510	Framing & Drywall Sub	1 LS	\$	-	\$	-	\$	-	\$	51,810	\$	51,810
9000100		\$\$ 28 - FILTRATION	1 LS	\$	-	\$	-	\$	-	\$	8,842	\$	8,842
9000100	092510	Framing & Drywall Sub	1 LS	\$	-	\$	-	\$	-	\$	8,842	\$	8,842
9000110		\$\$ 30 - UV DISINFECTION, PRIMARY SG AND MAINTENANC	1 LS	\$	-	\$	-	\$	-	\$	425,590	\$	425,590

9000110	092510	Framing & Drywall Sub	1 LS	\$	-	\$	-	\$	-	\$	425,590	\$	425,590
9000130		\$\$ 33 - OUTDOOR CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	20,815	\$	20,815
9000130	092510	Framing & Drywall Sub	1 LS	\$	-	\$	-	\$	-	\$	20,815	\$	20,815
9000140		\$\$ 34 -MAIN CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	302,192	\$	302,192
9000140	092510	Framing & Drywall Sub	1 LS	\$	-	\$	-	\$	-	\$	302,192	\$	302,192
9000160		\$\$ 37 - EQUALIZATION/OVERFLOW BASIN and RECYCLE PS	1 LS	\$	-	\$	-	\$	-	\$	26,779	\$	26,779
9000160	092510	Framing & Drywall Sub	1 LS	\$	-	\$	-	\$	-	\$	26,779	\$	26,779
9000180		\$\$ 50 - DEWATERING	1 LS	\$	-	\$	-	\$	-	\$	202,804	\$	202,804
9000180	092510	Framing & Drywall Sub	1 LS	\$	-	\$	-	\$	-	\$	202,804	\$	202,804
9000200		\$\$ 52 - THICKENED SOLIDS PUMP STATION	1 LS	\$	-	\$	-	\$	-	\$	42,237	\$	42,237
9000200	092510	Framing & Drywall Sub	1 LS	\$	-	\$	-	\$	-	\$	42,237	\$	42,237
9000210		\$\$ 53 - RAW WATER AND FINISH WATER PS	1 LS	\$	-	\$	-	\$	-	\$	559,435	\$	559,435
9000210	092510	Framing & Drywall Sub	1 LS	\$	-	\$	-	\$	-	\$	559,435	\$	559,435
9000300		WC-0951 - Acoustical Panel Ceiling	1 LS	\$	-	\$	-	\$	-	\$	16,194	\$	16,194
9000340		\$\$ 08 - ADMINISTRATION BUILDING	1 LS	\$	-	\$	-	\$	-	\$	12,634	\$	12,634
9000340	095010	Acoustical Ceiling Tile Sub	1 LS	\$	-	\$	-	\$	-	\$	12,634	\$	12,634
9000410		\$\$ 30 - UV DISINFECTION, PRIMARY SG AND MAINTENANC	1 LS	\$	-	\$	-	\$	-	\$	3,560	\$	3,560
9000410	095010	Acoustical Ceiling Tile Sub	1 LS	\$	-	\$	-	\$	-	\$	3,560	\$	3,560
9000600		WC-0965 - Flooring	1 LS	\$	-	\$	-	\$	-	\$	270,517	\$	270,517
9000640		\$\$ 08 - ADMINISTRATION BUILDING	1 LS	\$	-	\$	-	\$	-	\$	219,172	\$	219,172
9000640	097001	Flooring Sub	1 LS	\$	-	\$	-	\$	-	\$	219,172	\$	219,172
9000670		\$\$ 22 - BALLASTED FLOCCULATION	1 LS	\$	-	\$	-	\$	-	\$	3,860	\$	3,860
9000670	097001	Flooring Sub	1 LS	\$	-	\$	-	\$	-	\$	3,860	\$	3,860
9000680		\$\$ 25 - OZONE GENERATION	1 LS	\$	-	\$	-	\$	-	\$	5,111	\$	5,111
9000680	097001	Flooring Sub	1 LS	\$	-	\$	-	\$	-	\$	5,111	\$	5,111
9000690		\$\$ 26 - OZONE CONTACTOR	1 LS	\$	-	\$	-	\$	-	\$	2,154	\$	2,154
9000690	097001	Flooring Sub	1 LS	\$	-	\$	-	\$	-	\$	2,154	\$	2,154
9000700		\$\$ 28 - FILTRATION	1 LS	\$	-	\$	-	\$	-	\$	293	\$	293
9000700	097001	Flooring Sub	1 LS	\$	-	\$	-	\$	-	\$	293	\$	293
9000710		\$\$ 30 - UV DISINFECTION, PRIMARY SG AND MAINTENANC	1 LS	\$	-	\$	-	\$	-	\$	16,283	\$	16,283
9000710	097001	Flooring Sub	1 LS	\$	-	\$	-	\$	-	\$	16,283	\$	16,283
9000730		\$\$ 33 - OUTDOOR CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	1,352	\$	1,352
9000730	097001	Flooring Sub	1 LS	\$	-	\$	-	\$	-	\$	1,352	\$	1,352
9000740		\$\$ 34 -MAIN CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	8,390	\$	8,390
9000740	097001	Flooring Sub	1 LS	\$	-	\$	-	\$	-	\$	8,390	\$	8,390
9000760		\$\$ 37 - EQUALIZATION/OVERFLOW BASIN and RECYCLE PS	1 LS	\$	-	\$	-	\$	-	\$	442	\$	442
9000760	097001	Flooring Sub	1 LS	\$	-	\$	-	\$	-	\$	442	\$	442
9000780		\$\$ 50 - DEWATERING	1 LS	\$	-	\$	-	\$	-	\$	4,570	\$	4,570
9000780	097001	Flooring Sub	1 LS	\$	-	\$	-	\$	-	\$	4,570	\$	4,570
9000800		\$\$ 52 - THICKENED SOLIDS PUMP STATION	1 LS	\$	-	\$	-	\$	-	\$	460	\$	460
9000800	097001	Flooring Sub	1 LS	\$	-	\$	-	\$	-	\$	460	\$	460
9000810		\$\$ 53 - RAW WATER AND FINISH WATER PS	1 LS	\$	-	\$	-	\$	-	\$	8,432	\$	8,432
9000810	097001	Flooring Sub	1 LS	\$	-	\$	-	\$	-	\$	8,432	\$	8,432
9001300		WC-0990 - Painting	1 LS	\$	-	\$	-	\$	-	\$	4,901,403	\$	4,901,403
9001320		\$\$ 03 - SITE IMPROVEMENTS	1 LS	\$	-	\$	-	\$	-	\$	20,491	\$	20,491
9001320	099010	Painting & Coatings Sub	1 LS	\$	-	\$	-	\$	-	\$	20,491	\$	20,491
9001340		\$\$ 08 - ADMINISTRATION BUILDING	1 LS	\$	-	\$	-	\$	-	\$	245,635	\$	245,635
9001340	099010	Painting & Coatings Sub	1 LS	\$	-	\$	-	\$	-	\$	245,635	\$	245,635
9001350		\$\$ 11 - STANDBY GENERATION	1 LS	\$	-	\$	-	\$	-	\$	36,858	\$	36,858
9001350	099010	Painting & Coatings Sub	1 LS	\$	-	\$	-	\$	-	\$	36,858	\$	36,858
9001370		\$\$ 22 - BALLASTED FLOCCULATION	1 LS	\$	-	\$	-	\$	-	\$	429,631	\$	429,631
9001370	099010	Painting & Coatings Sub	1 LS	\$	-	\$	-	\$	-	\$	429,631	\$	429,631
9001380		\$\$ 25 - OZONE GENERATION	1 LS	\$	-	\$	-	\$	-	\$	323,418	\$	323,418
9001380	099010	Painting & Coatings Sub	1 LS	\$	-	\$	-	\$	-	\$	323,418	\$	323,418
9001390		\$\$ 26 - OZONE CONTACTOR	1 LS	\$	-	\$	-	\$	-	\$	242,003	\$	242,003
9001390	099010	Painting & Coatings Sub	1 LS	\$	-	\$	-	\$	-	\$	242,003	\$	242,003
9001400		\$\$ 28 - FILTRATION	1 LS	\$	-	\$	-	\$	-	\$	662,741	\$	662,741
9001400	099010	Painting & Coatings Sub	1 LS	\$	-	\$	-	\$	-	\$	662,741	\$	662,741
9001410		\$\$ 30 - UV DISINFECTION, PRIMARY SG AND MAINTENANC	1 LS	\$	-	\$	-	\$	-	\$	448,585	\$	448,585
9001410	099010	Painting & Coatings Sub	1 LS	\$	-	\$	-	\$	-	\$	448,585	\$	448,585
9001420		\$\$ 32 - CLEARWELL OVERFLOW	1 LS	\$	-	\$	-	\$	-	\$	8,564	\$	8,564
9001420	099010	Painting & Coatings Sub	1 LS	\$	-	\$	-	\$	-	\$	8,564	\$	8,564

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9001430		\$\$ 33 - OUTDOOR CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	23,762	\$	23,762
9001430	099010	Painting & Coatings Sub	1 LS	\$	-	\$	-	\$	-	\$	23,762	\$	23,762
9001440		\$\$ 34 -MAIN CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	1,234,401	\$	1,234,401
9001440	099010	Painting & Coatings Sub	1 LS	\$	-	\$	-	\$	-	\$	1,234,401	\$	1,234,401
9001450		\$\$ 35 - CLEARWELL	1 LS	\$	-	\$	-	\$	-	\$	39,406	\$	39,406
9001450	099010	Painting & Coatings Sub	1 LS	\$	-	\$	-	\$	-	\$	39,406	\$	39,406
9001460		\$\$ 37 - EQUALIZATION/OVERFLOW BASIN and RECYCLE PS	1 LS	\$	-	\$	-	\$	-	\$	106,132	\$	106,132
9001460	099010	Painting & Coatings Sub	1 LS	\$	-	\$	-	\$	-	\$	106,132	\$	106,132
9001470		\$\$ 40 - THICKENERS	1 LS	\$	-	\$	-	\$	-	\$	242,909	\$	242,909
9001470	099010	Painting & Coatings Sub	1 LS	\$	-	\$	-	\$	-	\$	242,909	\$	242,909
9001480		\$\$ 50 - DEWATERING	1 LS	\$	-	\$	-	\$	-	\$	84,892	\$	84,892
9001480	099010	Painting & Coatings Sub	1 LS	\$	-	\$	-	\$	-	\$	84,892	\$	84,892
9001490		\$\$ 51 - THICKENED SOLIDS STORAGE	1 LS	\$	-	\$	-	\$	-	\$	45,714	\$	45,714
9001490	099010	Painting & Coatings Sub	1 LS	\$	-	\$	-	\$	-	\$	45,714	\$	45,714
9001500		\$\$ 52 - THICKENED SOLIDS PUMP STATION	1 LS	\$	-	\$	-	\$	-	\$	50,251	\$	50,251
9001500	099010	Painting & Coatings Sub	1 LS	\$	-	\$	-	\$	-	\$	50,251	\$	50,251
9001510		\$\$ 53 - RAW WATER AND FINISH WATER PS	1 LS	\$	-	\$	-	\$	-	\$	473,263	\$	473,263
9001510	099010	Painting & Coatings Sub	1 LS	\$	-	\$	-	\$	-	\$	473,263	\$	473,263
9001520		\$\$ 54 - SURGE MITIGATION	1 LS	\$	-	\$	-	\$	-	\$	182,749	\$	182,749
9001520	099010	Painting & Coatings Sub	1 LS	\$	-	\$	-	\$	-	\$	182,749	\$	182,749
10000000		WC-1011 - Visual Display Units	1 LS	\$	-	\$	-	\$	-	\$	4,268	\$	4,268
10000040		\$\$ 08 - ADMINISTRATION BUILDING	1 LS	\$	-	\$	-	\$	-	\$	4,268	\$	4,268
10000040	00101510	Visual Display Units	1 LS	\$	-	\$	-	\$	-	\$	4,268	\$	4,268
10000300		WC-1014 - Signage	1 LS	\$	-	\$	-	\$	-	\$	57,561	\$	57,561
10000340		\$\$ 08 - ADMINISTRATION BUILDING	1 LS	\$	-	\$	-	\$	-	\$	7,643	\$	7,643
10000340	101405	Signage Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	7,643	\$	7,643
10000370		\$\$ 22 - BALLASTED FLOCCULATION	1 LS	\$	-	\$	-	\$	-	\$	6,883	\$	6,883
10000370	101405	Signage Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	6,883	\$	6,883
10000380		\$\$ 25 - OZONE GENERATION	1 LS	\$	-	\$	-	\$	-	\$	5,434	\$	5,434
10000380	101405	Signage Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	5,434	\$	5,434
10000390		\$\$ 26 - OZONE CONTACTOR	1 LS	\$	-	\$	-	\$	-	\$	570	\$	570
10000390	101405	Signage Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	570	\$	570
10000400		\$\$ 28 - FILTRATION	1 LS	\$	-	\$	-	\$	-	\$	2,020	\$	2,020
10000400	101405	Signage Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	2,020	\$	2,020
10000410		\$\$ 30 - UV DISINFECTION, PRIMARY SG AND MAINTENANC	1 LS	\$	-	\$	-	\$	-	\$	6,248	\$	6,248
10000410	101405	Signage Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	6,248	\$	6,248
10000430		\$\$ 33 - OUTDOOR CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	2,324	\$	2,324
10000430	101405	Signage Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	2,324	\$	2,324
10000440		\$\$ 34 -MAIN CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	4,494	\$	4,494
10000440	101405	Signage Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	4,494	\$	4,494
10000460		\$\$ 37 - EQUALIZATION/OVERFLOW BASIN and RECYCLE PS	1 LS	\$	-	\$	-	\$	-	\$	285	\$	285
10000460	101405	Signage Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	285	\$	285
10000480		\$\$ 50 - DEWATERING	1 LS	\$	-	\$	-	\$	-	\$	7,804	\$	7,804
10000480	101405	Signage Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	7,804	\$	7,804
10000500		\$\$ 52 - THICKENED SOLIDS PUMP STATION	1 LS	\$	-	\$	-	\$	-	\$	834	\$	834
10000500	101405	Signage Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	834	\$	834
10000510		\$\$ 53 - RAW WATER AND FINISH WATER PS	1 LS	\$	-	\$	-	\$	-	\$	13,022	\$	13,022
10000510	101405	Signage Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	13,022	\$	13,022
10000600		WC-1028 - Toilet Partitions and Accessories	1 LS	\$	-	\$	-	\$	-	\$	65,807	\$	65,807
10000640		\$\$ 08 - ADMINISTRATION BUILDING	1 LS	\$	-	\$	-	\$	-	\$	65,807	\$	65,807
10000640	102805	Toilet and Bath Accessories Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	65,807	\$	65,807
10001000		WC-1044 - Fire Protection Cabinets and Extinguishe	1 LS	\$	-	\$	-	\$	-	\$	37,303	\$	37,303
10001040		\$\$ 08 - ADMINISTRATION BUILDING	1 LS	\$	-	\$	-	\$	-	\$	4,867	\$	4,867
10001040	104405	Fire Extinguisher Supplier	1 LS	\$	-	\$	-	\$	-	\$	4,867	\$	4,867
10001070		\$\$ 22 - BALLASTED FLOCCULATION	1 LS	\$	-	\$	-	\$	-	\$	3,243	\$	3,243
10001070	104405	Fire Extinguisher Supplier	1 LS	\$	-	\$	-	\$	-	\$	3,243	\$	3,243
10001080		\$\$ 25 - OZONE GENERATION	1 LS	\$	-	\$	-	\$	-	\$	3,243	\$	3,243
10001080	104405	Fire Extinguisher Supplier	1 LS	\$	-	\$	-	\$	-	\$	3,243	\$	3,243
10001090		\$\$ 26 - OZONE CONTACTOR	1 LS	\$	-	\$	-	\$	-	\$	2,704	\$	2,704
10001090	104405	Fire Extinguisher Supplier	1 LS	\$	-	\$	-	\$	-	\$	2,704	\$	2,704
10001100		\$\$ 28 - FILTRATION	1 LS	\$	-	\$	-	\$	-	\$	2,704	\$	2,704
10001100	104405	Fire Extinguisher Supplier	1 LS	\$	-	\$	-	\$	-	\$	2,704	\$	2,704

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10001110		\$\$ 30 - UV DISINFECTION, PRIMARY SG AND MAINTENANC	1 LS	\$	-	\$	-	\$	-	\$	5,408	\$	5,408
10001110	104405	Fire Extinguisher Supplier	1 LS	\$	-	\$	-	\$	-	\$	5,408	\$	5,408
10001130		\$\$ 33 - OUTDOOR CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	541	\$	541
10001130	104405	Fire Extinguisher Supplier	1 LS	\$	-	\$	-	\$	-	\$	541	\$	541
10001140		\$\$ 34 -MAIN CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	3,784	\$	3,784
10001140	104405	Fire Extinguisher Supplier	1 LS	\$	-	\$	-	\$	-	\$	3,784	\$	3,784
10001160		\$\$ 37 - EQUALIZATION/OVERFLOW BASIN and RECYCLE PS	1 LS	\$	-	\$	-	\$	-	\$	541	\$	541
10001160	104405	Fire Extinguisher Supplier	1 LS	\$	-	\$	-	\$	-	\$	541	\$	541
10001180		\$\$ 50 - DEWATERING	1 LS	\$	-	\$	-	\$	-	\$	3,243	\$	3,243
10001180	104405	Fire Extinguisher Supplier	1 LS	\$	-	\$	-	\$	-	\$	3,243	\$	3,243
10001200		\$\$ 52 - THICKENED SOLIDS PUMP STATION	1 LS	\$	-	\$	-	\$	-	\$	1,077	\$	1,077
10001200	104405	Fire Extinguisher Supplier	1 LS	\$	-	\$	-	\$	-	\$	1,077	\$	1,077
10001210		\$\$ 53 - RAW WATER AND FINISH WATER PS	1 LS	\$	-	\$	-	\$	-	\$	5,949	\$	5,949
10001210	104405	Fire Extinguisher Supplier	1 LS	\$	-	\$	-	\$	-	\$	5,949	\$	5,949
10001300		WC-1056 - Metal Lockers	1 LS	\$	-	\$	-	\$	-	\$	48,634	\$	48,634
10001340		\$\$ 08 - ADMINISTRATION BUILDING	1 LS	\$	-	\$	-	\$	-	\$	48,634	\$	48,634
10001340	105650	Metal Storage Shelving Sub	1 LS	\$	-	\$	-	\$	-	\$	48,634	\$	48,634
11000000		WC-1153 - Laboratory Equipment	1 LS	\$	-	\$	-	\$	-	\$	157,314	\$	157,314
11000040		\$\$ 08 - ADMINISTRATION BUILDING	1 LS	\$	-	\$	-	\$	-	\$	157,314	\$	157,314
11000040	115320	Laboratory Equipment Sub	1 LS	\$	-	\$	-	\$	-	\$	157,314	\$	157,314
11000300		WC-1158 - Residential Appliances	1 LS	\$	-	\$	-	\$	-	\$	25,442	\$	25,442
11000340		\$\$ 08 - ADMINISTRATION BUILDING	1 LS	\$	-	\$	-	\$	-	\$	25,442	\$	25,442
11000340	113110	Residential Appliances Sub	1 LS	\$	-	\$	-	\$	-	\$	25,442	\$	25,442
12000000		WC-1220 - Window Treatments	1 LS	\$	-	\$	-	\$	-	\$	19,174	\$	19,174
12000040		\$\$ 08 - ADMINISTRATION BUILDING	1 LS	\$	-	\$	-	\$	-	\$	19,174	\$	19,174
12000040	122010	Window Treatments	1 LS	\$	-	\$	-	\$	-	\$	19,174	\$	19,174
12000300		WC-1230 - Casework & Counters	1 LS	\$	-	\$	-	\$	-	\$	391,028	\$	391,028
12000340		\$\$ 08 - ADMINISTRATION BUILDING	1 LS	\$	-	\$	-	\$	-	\$	344,135	\$	344,135
12000340	120001	Casework and Countertops Sub	1 LS	\$	-	\$	-	\$	-	\$	344,135	\$	344,135
12000390		\$\$ 26 - OZONE CONTACTOR	1 LS	\$	-	\$	-	\$	-	\$	19,260	\$	19,260
12000390	120001	Casework and Countertops Sub	1 LS	\$	-	\$	-	\$	-	\$	19,260	\$	19,260
12000480		\$\$ 50 - DEWATERING	1 LS	\$	-	\$	-	\$	-	\$	27,633	\$	27,633
12000480	120001	Casework and Countertops Sub	1 LS	\$	-	\$	-	\$	-	\$	27,633	\$	27,633
14000000		WC-1421 - Electric Traction Elevators	1 LS	\$	-	\$	-	\$	-	\$	669,425	\$	669,425
14000070		\$\$ 22 - BALLASTED FLOCCULATION	1 LS	\$	-	\$	-	\$	-	\$	335,516	\$	335,516
14000070	142070	Machine Room-Less Hydraulic Elevator	1 LS	\$	-	\$	-	\$	-	\$	335,516	\$	335,516
14000080		\$\$ 25 - OZONE GENERATION	1 LS	\$	-	\$	-	\$	-	\$	333,909	\$	333,909
14000080	142070	Machine Room-Less Hydraulic Elevator	1 LS	\$	-	\$	-	\$	-	\$	333,909	\$	333,909
14000300		WC-1443 - Platform Lifts	1 LS	\$	-	\$	-	\$	-	\$	48,695	\$	48,695
14000400		\$\$ 28 - FILTRATION	1 LS	\$	-	\$	-	\$	-	\$	48,695	\$	48,695
14000400	144010	Electric Platform Lift	1 LS	\$	-	\$	-	\$	-	\$	48,695	\$	48,695
21000000		WC-2100 - Fire Protection	1 LS	\$	-	\$	-	\$	-	\$	1,686,483	\$	1,686,483
21000040		\$\$ 08 - ADMINISTRATION BUILDING	1 LS	\$	-	\$	-	\$	-	\$	248,257	\$	248,257
21000040	210001	Fire Suppression	1 LS	\$	-	\$	-	\$	-	\$	248,257	\$	248,257
21000070		\$\$ 22 - BALLASTED FLOCCULATION	1 LS	\$	-	\$	-	\$	-	\$	153,881	\$	153,881
21000070	210001	Fire Suppression	1 LS	\$	-	\$	-	\$	-	\$	153,881	\$	153,881
21000080		\$\$ 25 - OZONE GENERATION	1 LS	\$	-	\$	-	\$	-	\$	204,911	\$	204,911
21000080	210001	Fire Suppression	1 LS	\$	-	\$	-	\$	-	\$	204,911	\$	204,911
21000100		\$\$ 28 - FILTRATION	1 LS	\$	-	\$	-	\$	-	\$	166,789	\$	166,789
21000100	210001	Fire Suppression	1 LS	\$	-	\$	-	\$	-	\$	166,789	\$	166,789
21000110		\$\$ 30 - UV DISINFECTION, PRIMARY SG AND MAINTENANC	1 LS	\$	-	\$	-	\$	-	\$	348,820	\$	348,820
21000110	210001	Fire Suppression	1 LS	\$	-	\$	-	\$	-	\$	348,820	\$	348,820
21000130		\$\$ 33 - OUTDOOR CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	61,816	\$	61,816
21000130	210001	Fire Suppression	1 LS	\$	-	\$	-	\$	-	\$	61,816	\$	61,816
21000140		\$\$ 34 -MAIN CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	502,008	\$	502,008
21000140	210001	Fire Suppression	1 LS	\$	-	\$	-	\$	-	\$	502,008	\$	502,008
22000000		WC-2200 - Plumbing	1 LS	\$	-	\$	-	\$	-	\$	5,951,939	\$	5,951,939
22000040		\$\$ 08 - ADMINISTRATION BUILDING	1 LS	\$	-	\$	-	\$	-	\$	736,006	\$	736,006
22000040	220001	Plumbing Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	736,006	\$	736,006
22000070		\$\$ 22 - BALLASTED FLOCCULATION	1 LS	\$	-	\$	-	\$	-	\$	135,434	\$	135,434
22000070	220001	Plumbing Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	135,434	\$	135,434
22000080		\$\$ 25 - OZONE GENERATION	1 LS	\$	-	\$	-	\$	-	\$	1,140,129	\$	1,140,129

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22000080	220001	Plumbing Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	1,140,129	\$	1,140,129
22000090		\$\$ 26 - OZONE CONTACTOR	1 LS	\$	-	\$	-	\$	-	\$	364,590	\$	364,590
22000090	220001	Plumbing Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	364,590	\$	364,590
22000100		\$\$ 28 - FILTRATION	1 LS	\$	-	\$	-	\$	-	\$	502,435	\$	502,435
22000100	220001	Plumbing Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	502,435	\$	502,435
22000110		\$\$ 30 - UV DISINFECTION, PRIMARY SG AND MAINTENANC	1 LS	\$	-	\$	-	\$	-	\$	697,178	\$	697,178
22000110	220001	Plumbing Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	697,178	\$	697,178
22000120		\$\$ 32 - CLEARWELL OVERFLOW	1 LS	\$	-	\$	-	\$	-	\$	24,622	\$	24,622
22000120	220001	Plumbing Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	24,622	\$	24,622
22000130		\$\$ 33 - OUTDOOR CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	104,886	\$	104,886
22000130	220001	Plumbing Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	104,886	\$	104,886
22000140		\$\$ 34 -MAIN CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	727,888	\$	727,888
22000140	220001	Plumbing Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	727,888	\$	727,888
22000160		\$\$ 37 - EQUALIZATION/OVERFLOW BASIN and RECYCLE PS	1 LS	\$	-	\$	-	\$	-	\$	221,628	\$	221,628
22000160	220001	Plumbing Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	221,628	\$	221,628
22000170		\$\$ 40 - THICKENERS	1 LS	\$	-	\$	-	\$	-	\$	77,282	\$	77,282
22000170	220001	Plumbing Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	77,282	\$	77,282
22000180		\$\$ 50 - DEWATERING	1 LS	\$	-	\$	-	\$	-	\$	436,115	\$	436,115
22000180	220001	Plumbing Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	436,115	\$	436,115
22000190		\$\$ 51 - THICKENED SOLIDS STORAGE	1 LS	\$	-	\$	-	\$	-	\$	21,045	\$	21,045
22000190	220001	Plumbing Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	21,045	\$	21,045
22000200		\$\$ 52 - THICKENED SOLIDS PUMP STATION	1 LS	\$	-	\$	-	\$	-	\$	70,328	\$	70,328
22000200	220001	Plumbing Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	70,328	\$	70,328
22000210		\$\$ 53 - RAW WATER AND FINISH WATER PS	1 LS	\$	-	\$	-	\$	-	\$	653,925	\$	653,925
22000210	220001	Plumbing Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	653,925	\$	653,925
22000220		\$\$ 54 - SURGE MITIGATION	1 LS	\$	-	\$	-	\$	-	\$	38,450	\$	38,450
22000220	220001	Plumbing Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	38,450	\$	38,450
23000000		WC-2300 - HVAC	1 LS	\$	-	\$	-	\$	-	\$	14,068,875	\$	14,068,875
23000040		\$\$ 08 - ADMINISTRATION BUILDING	1 LS	\$	-	\$	-	\$	-	\$	1,684,085	\$	1,684,085
23000040	230001	HVAC Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	1,684,085	\$	1,684,085
23000050		\$\$ 11 - STANDBY GENERATION	1 LS	\$	-	\$	-	\$	-	\$	1,157,833	\$	1,157,833
23000050	230001	HVAC Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	1,157,833	\$	1,157,833
23000070		\$\$ 22 - BALLASTED FLOCCULATION	1 LS	\$	-	\$	-	\$	-	\$	365,049	\$	365,049
23000070	230001	HVAC Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	365,049	\$	365,049
23000080		\$\$ 25 - OZONE GENERATION	1 LS	\$	-	\$	-	\$	-	\$	3,393,485	\$	3,393,485
23000080	230001	HVAC Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	3,393,485	\$	3,393,485
23000090		\$\$ 26 - OZONE CONTACTOR	1 LS	\$	-	\$	-	\$	-	\$	324,131	\$	324,131
23000090	230001	HVAC Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	324,131	\$	324,131
23000100		\$\$ 28 - FILTRATION	1 LS	\$	-	\$	-	\$	-	\$	722,359	\$	722,359
23000100	230001	HVAC Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	722,359	\$	722,359
23000110		\$\$ 30 - UV DISINFECTION, PRIMARY SG AND MAINTENANC	1 LS	\$	-	\$	-	\$	-	\$	1,569,600	\$	1,569,600
23000110	230001	HVAC Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	1,569,600	\$	1,569,600
23000130		\$\$ 33 - OUTDOOR CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	390,493	\$	390,493
23000130	230001	HVAC Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	390,493	\$	390,493
23000140		\$\$ 34 -MAIN CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	2,492,237	\$	2,492,237
23000140	230001	HVAC Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	2,492,237	\$	2,492,237
23000160		\$\$ 37 - EQUALIZATION/OVERFLOW BASIN and RECYCLE PS	1 LS	\$	-	\$	-	\$	-	\$	27,915	\$	27,915
23000160	230001	HVAC Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	27,915	\$	27,915
23000180		\$\$ 50 - DEWATERING	1 LS	\$	-	\$	-	\$	-	\$	622,634	\$	622,634
23000180	230001	HVAC Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	622,634	\$	622,634
23000200		\$\$ 52 - THICKENED SOLIDS PUMP STATION	1 LS	\$	-	\$	-	\$	-	\$	25,767	\$	25,767
23000200	230001	HVAC Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	25,767	\$	25,767
23000210		\$\$ 53 - RAW WATER AND FINISH WATER PS	1 LS	\$	-	\$	-	\$	-	\$	1,293,287	\$	1,293,287
23000210	230001	HVAC Subcontractor	1 LS	\$	-	\$	-	\$	-	\$	1,293,287	\$	1,293,287
23000300		WC-2313 - Fuel Tanks	1 LS	\$	-	\$	342,886	\$	-	\$	-	\$	342,886
23000350		\$\$ 11 - STANDBY GENERATION	1 LS	\$	-	\$	342,886	\$	-	\$	-	\$	342,886
23000350	00481825	Facility Aboveground Fuel-Oil Storage Tanks	1 LS	\$	-	\$	342,886	\$	-	\$	-	\$	342,886
26000000		WC-2600 - Electrical	1 LS	\$	-	\$	-	\$	-	\$	42,447,776	\$	42,447,776
26000020		\$\$ 03 - SITE IMPROVEMENTS	1 LS	\$	-	\$	-	\$	-	\$	7,930,961	\$	7,930,961
26000020	00260001	Electrical Sub	1 LS	\$	-	\$	-	\$	-	\$	7,930,961	\$	7,930,961
26000030		\$\$ 04 - OFFSITE IMPROVEMENTS	1 LS	\$	-	\$	-	\$	-	\$	134,497	\$	134,497
26000030	00260001	Electrical Sub	1 LS	\$	-	\$	-	\$	-	\$	134,497	\$	134,497

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26000040		\$\$ 08 - ADMINISTRATION BUILDING	1 LS	\$	-	\$	-	\$	-	\$	2,599,794	\$	2,599,794
26000040	00260001	Electrical Sub	1 LS	\$	-	\$	-	\$	-	\$	2,599,794	\$	2,599,794
26000050		\$\$ 11 - STANDBY GENERATION	1 LS	\$	-	\$	-	\$	-	\$	93,433	\$	93,433
26000050	00260001	Electrical Sub	1 LS	\$	-	\$	-	\$	-	\$	93,433	\$	93,433
26000060		\$\$ 12 - EQUIPMENT STORAGE BUILDING	1 LS	\$	-	\$	-	\$	-	\$	163,471	\$	163,471
26000060	00260001	Electrical Sub	1 LS	\$	-	\$	-	\$	-	\$	163,471	\$	163,471
26000070		\$\$ 22 - BALLASTED FLOCCULATION	1 LS	\$	-	\$	-	\$	-	\$	3,396,066	\$	3,396,066
26000070	00260001	Electrical Sub	1 LS	\$	-	\$	-	\$	-	\$	3,396,066	\$	3,396,066
26000080		\$\$ 25 - OZONE GENERATION	1 LS	\$	-	\$	-	\$	-	\$	2,377,805	\$	2,377,805
26000080	00260001	Electrical Sub	1 LS	\$	-	\$	-	\$	-	\$	2,377,805	\$	2,377,805
26000090		\$\$ 26 - OZONE CONTACTOR	1 LS	\$	-	\$	-	\$	-	\$	1,802,994	\$	1,802,994
26000090	00260001	Electrical Sub	1 LS	\$	-	\$	-	\$	-	\$	1,802,994	\$	1,802,994
26000100		\$\$ 28 - FILTRATION	1 LS	\$	-	\$	-	\$	-	\$	4,063,895	\$	4,063,895
26000100	00260001	Electrical Sub	1 LS	\$	-	\$	-	\$	-	\$	4,063,895	\$	4,063,895
26000110		\$\$ 30 - UV DISINFECTION, PRIMARY SG AND MAINTENANC	1 LS	\$	-	\$	-	\$	-	\$	1,907,218	\$	1,907,218
26000110	00260001	Electrical Sub	1 LS	\$	-	\$	-	\$	-	\$	1,907,218	\$	1,907,218
26000120		\$\$ 32 - CLEARWELL OVERFLOW	1 LS	\$	-	\$	-	\$	-	\$	720,718	\$	720,718
26000120	00260001	Electrical Sub	1 LS	\$	-	\$	-	\$	-	\$	720,718	\$	720,718
26000130		\$\$ 33 - OUTDOOR CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	424,173	\$	424,173
26000130	00260001	Electrical Sub	1 LS	\$	-	\$	-	\$	-	\$	424,173	\$	424,173
26000140		\$\$ 34 -MAIN CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	6,891,275	\$	6,891,275
26000140	00260001	Electrical Sub	1 LS	\$	-	\$	-	\$	-	\$	6,891,275	\$	6,891,275
26000150		\$\$ 35 - CLEARWELL	1 LS	\$	-	\$	-	\$	-	\$	444,176	\$	444,176
26000150	00260001	Electrical Sub	1 LS	\$	-	\$	-	\$	-	\$	444,176	\$	444,176
26000160		\$\$ 37 - EQUALIZATION/OVERFLOW BASIN and RECYCLE PS	1 LS	\$	-	\$	-	\$	-	\$	932,045	\$	932,045
26000160	00260001	Electrical Sub	1 LS	\$	-	\$	-	\$	-	\$	932,045	\$	932,045
26000170		\$\$ 40 - THICKENERS	1 LS	\$	-	\$	-	\$	-	\$	574,103	\$	574,103
26000170	00260001	Electrical Sub	1 LS	\$	-	\$	-	\$	-	\$	574,103	\$	574,103
26000180		\$\$ 50 - DEWATERING	1 LS	\$	-	\$	-	\$	-	\$	2,064,621	\$	2,064,621
26000180	00260001	Electrical Sub	1 LS	\$	-	\$	-	\$	-	\$	2,064,621	\$	2,064,621
26000190		\$\$ 51 - THICKENED SOLIDS STORAGE	1 LS	\$	-	\$	-	\$	-	\$	162,022	\$	162,022
26000190	00260001	Electrical Sub	1 LS	\$	-	\$	-	\$	-	\$	162,022	\$	162,022
26000200		\$\$ 52 - THICKENED SOLIDS PUMP STATION	1 LS	\$	-	\$	-	\$	-	\$	218,621	\$	218,621
26000200	00260001	Electrical Sub	1 LS	\$	-	\$	-	\$	-	\$	218,621	\$	218,621
26000210		\$\$ 53 - RAW WATER AND FINISH WATER PS	1 LS	\$	-	\$	-	\$	-	\$	5,357,864	\$	5,357,864
26000210	00260001	Electrical Sub	1 LS	\$	-	\$	-	\$	-	\$	5,357,864	\$	5,357,864
26000220		\$\$ 54 - SURGE MITIGATION	1 LS	\$	-	\$	-	\$	-	\$	188,022	\$	188,022
26000220	00260001	Electrical Sub	1 LS	\$	-	\$	-	\$	-	\$	188,022	\$	188,022
26000300		WC-2632 - Diesel Emergency Engine Generators	1 LS	\$	-	\$	2,763,059	\$	-	\$	-	\$	2,763,059
26000350		\$\$ 11 - STANDBY GENERATION	1 LS	\$	-	\$	2,763,059	\$	-	\$	-	\$	2,763,059
26000350	00263200	Diesel Emergency Engine Generators	1 LS	\$	-	\$	2,763,059	\$	-	\$	-	\$	2,763,059
31000000		WC-3100 - Earthwork & Utilities	1 LS	\$	-	\$	-	\$	-	\$	58,484,118	\$	58,484,118
31000010		\$\$ 02 - TEMPORARY CONSTRUCTION FACILITIES	1 LS	\$	-	\$	-	\$	-	\$	1,071,698	\$	1,071,698
31000010	310001	EARTHWORK & UTILITIES SUBCONTRACTOR	1 LS	\$	-	\$	-	\$	-	\$	1,071,698	\$	1,071,698
31000020		\$\$ 03 - SITE IMPROVEMENTS	1 LS	\$	-	\$	-	\$	-	\$	55,501,255	\$	55,501,255
31000020	310001	EARTHWORK & UTILITIES SUBCONTRACTOR	1 LS	\$	-	\$	-	\$	-	\$	55,501,255	\$	55,501,255
31000030		\$\$ 04 - OFFSITE IMPROVEMENTS	1 LS	\$	-	\$	-	\$	-	\$	1,911,166	\$	1,911,166
31000030	310001	EARTHWORK & UTILITIES SUBCONTRACTOR	1 LS	\$	-	\$	-	\$	-	\$	1,911,166	\$	1,911,166
40000000		WC-4000.1 - Process Integration	1 LS	\$	-	\$	-	\$	-	\$	42,990,045	\$	42,990,045
40000010		\$\$ 11 - STANDBY GENERATION	1 LS	\$	-	\$	-	\$	-	\$	34,389	\$	34,389
40000010	400005	PROCESS INTEGRATION SUB	1 LS	\$	-	\$	-	\$	-	\$	34,389	\$	34,389
40000014		\$\$ 22 - BALLASTED FLOCCULATION	1 LS	\$	-	\$	-	\$	-	\$	6,562,856	\$	6,562,856
40000014	400005	PROCESS INTEGRATION SUB	1 LS	\$	-	\$	-	\$	-	\$	6,562,856	\$	6,562,856
40000016		\$\$ 25 - OZONE GENERATION	1 LS	\$	-	\$	-	\$	-	\$	2,242,366	\$	2,242,366
40000016	400005	PROCESS INTEGRATION SUB	1 LS	\$	-	\$	-	\$	-	\$	2,242,366	\$	2,242,366
40000018		\$\$ 26 - OZONE CONTACTOR	1 LS	\$	-	\$	-	\$	-	\$	4,304,995	\$	4,304,995
40000018	400005	PROCESS INTEGRATION SUB	1 LS	\$	-	\$	-	\$	-	\$	4,304,995	\$	4,304,995
40000020		\$\$ 28 - FILTRATION	1 LS	\$	-	\$	-	\$	-	\$	12,324,420	\$	12,324,420
40000020	400005	PROCESS INTEGRATION SUB	1 LS	\$	-	\$	-	\$	-	\$	12,324,420	\$	12,324,420
40000022		\$\$ 30 - UV DISINFECTION, PRIMARY SG AND MAINTENANC	1 LS	\$	-	\$	-	\$	-	\$	4,299,156	\$	4,299,156
40000022	400005	PROCESS INTEGRATION SUB	1 LS	\$	-	\$	-	\$	-	\$	4,299,156	\$	4,299,156
40000024		\$\$ 32 - CLEARWELL OVERFLOW	1 LS	\$	-	\$	-	\$	-	\$	110,749	\$	110,749

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40000024	400005	PROCESS INTEGRATION SUB	1 LS	\$	-	\$	-	\$	-	\$	110,749	\$	110,749
40000026		\$\$ 33 - OUTDOOR CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	802,768	\$	802,768
40000026	400005	PROCESS INTEGRATION SUB	1 LS	\$	-	\$	-	\$	-	\$	802,768	\$	802,768
40000028		\$\$ 34 -MAIN CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	3,069,053	\$	3,069,053
40000028	400005	PROCESS INTEGRATION SUB	1 LS	\$	-	\$	-	\$	-	\$	3,069,053	\$	3,069,053
40000030		\$\$ 35 - CLEARWELL	1 LS	\$	-	\$	-	\$	-	\$	300,373	\$	300,373
40000030	400005	PROCESS INTEGRATION SUB	1 LS	\$	-	\$	-	\$	-	\$	300,373	\$	300,373
40000032		\$\$ 37 - EQUALIZATION/OVERFLOW BASIN and RECYCLE PS	1 LS	\$	-	\$	-	\$	-	\$	921,527	\$	921,527
40000032	400005	PROCESS INTEGRATION SUB	1 LS	\$	-	\$	-	\$	-	\$	921,527	\$	921,527
40000034		\$\$ 40 - THICKENERS	1 LS	\$	-	\$	-	\$	-	\$	738,259	\$	738,259
40000034	400005	PROCESS INTEGRATION SUB	1 LS	\$	-	\$	-	\$	-	\$	738,259	\$	738,259
40000036		\$\$ 50 - DEWATERING	1 LS	\$	-	\$	-	\$	-	\$	1,140,225	\$	1,140,225
40000036	400005	PROCESS INTEGRATION SUB	1 LS	\$	-	\$	-	\$	-	\$	1,140,225	\$	1,140,225
40000038		\$\$ 51 - THICKENED SOLIDS STORAGE	1 LS	\$	-	\$	-	\$	-	\$	274,804	\$	274,804
40000038	400005	PROCESS INTEGRATION SUB	1 LS	\$	-	\$	-	\$	-	\$	274,804	\$	274,804
40000040		\$\$ 52 - THICKENED SOLIDS PUMP STATION	1 LS	\$	-	\$	-	\$	-	\$	184,570	\$	184,570
40000040	400005	PROCESS INTEGRATION SUB	1 LS	\$	-	\$	-	\$	-	\$	184,570	\$	184,570
40000042		\$\$ 53 - RAW WATER AND FINISH WATER PS	1 LS	\$	-	\$	-	\$	-	\$	5,050,394	\$	5,050,394
40000042	400005	PROCESS INTEGRATION SUB	1 LS	\$	-	\$	-	\$	-	\$	5,050,394	\$	5,050,394
40000044		\$\$ 54 - SURGE MITIGATION	1 LS	\$	-	\$	-	\$	-	\$	629,141	\$	629,141
40000044	400005	PROCESS INTEGRATION SUB	1 LS	\$	-	\$	-	\$	-	\$	629,141	\$	629,141
40000300		WC-4000.2 - SCADA (pre-selected - S&B)	1 LS	\$	-	\$	-	\$	-	\$	3,306,429	\$	3,306,429
40000340		\$\$ 08 - ADMINISTRATION BUILDING	1 LS	\$	-	\$	-	\$	-	\$	2,147,128	\$	2,147,128
40000340	400010	SCADA SUBCONTRACTOR	1 LS	\$	-	\$	-	\$	-	\$	2,147,128	\$	2,147,128
40000370		\$\$ 22 - BALLASTED FLOCCULATION	1 LS	\$	-	\$	-	\$	-	\$	131,919	\$	131,919
40000370	400010	SCADA SUBCONTRACTOR	1 LS	\$	-	\$	-	\$	-	\$	131,919	\$	131,919
40000400		\$\$ 28 - FILTRATION	1 LS	\$	-	\$	-	\$	-	\$	217,654	\$	217,654
40000400	400010	SCADA SUBCONTRACTOR	1 LS	\$	-	\$	-	\$	-	\$	217,654	\$	217,654
40000430		\$\$ 33 - OUTDOOR CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	140,002	\$	140,002
40000430	400010	SCADA SUBCONTRACTOR	1 LS	\$	-	\$	-	\$	-	\$	140,002	\$	140,002
40000440		\$\$ 34 -MAIN CHEMICAL FACILITY	1 LS	\$	-	\$	-	\$	-	\$	273,102	\$	273,102
40000440	400010	SCADA SUBCONTRACTOR	1 LS	\$	-	\$	-	\$	-	\$	273,102	\$	273,102
40000460		\$\$ 37 - EQUALIZATION/OVERFLOW BASIN and RECYCLE PS	1 LS	\$	-	\$	-	\$	-	\$	106,597	\$	106,597
40000460	400010	SCADA SUBCONTRACTOR	1 LS	\$	-	\$	-	\$	-	\$	106,597	\$	106,597
40000480		\$\$ 50 - DEWATERING	1 LS	\$	-	\$	-	\$	-	\$	137,934	\$	137,934
40000480	400010	SCADA SUBCONTRACTOR	1 LS	\$	-	\$	-	\$	-	\$	137,934	\$	137,934
40000510		\$\$ 53 - RAW WATER AND FINISH WATER PS	1 LS	\$	-	\$	-	\$	-	\$	152,093	\$	152,093
40000510	400010	SCADA SUBCONTRACTOR	1 LS	\$	-	\$	-	\$	-	\$	152,093	\$	152,093
40000550		WC-4005.1 - Piping Identification	1 LS		ALLOWANCE		ALLOWANCE		ALLOWANCE		ALLOWANCE		ALLOWANCE
40000600		WC-4005 - Stainless Steel Slide Gates	1 LS	\$	-	\$	227,806	\$	-	\$	-	\$	227,806
40000670		\$\$ 22 - BALLASTED FLOCCULATION	1 LS	\$	-	\$	91,122	\$	-	\$	-	\$	91,122
40000670	00444406	SS Slide Gates	4 EA	\$	-	\$	91,122	\$	-	\$	-	\$	91,122
40000690		\$\$ 26 - OZONE CONTACTOR	1 LS	\$	-	\$	45,561	\$	-	\$	-	\$	45,561
40000690	00444406	SS Slide Gates	2 EA	\$	-	\$	45,561	\$	-	\$	-	\$	45,561
40000760		\$\$ 37 - EQUALIZATION/OVERFLOW BASIN and RECYCLE PS	1 LS	\$	-	\$	68,342	\$	-	\$	-	\$	68,342
40000760	00444406	SS Slide Gates	3 EA	\$	-	\$	68,342	\$	-	\$	-	\$	68,342
40000770		\$\$ 40 - THICKENERS	1 LS	\$	-	\$	22,781	\$	-	\$	-	\$	22,781
40000770	00444406	SS Slide Gates	1 EA	\$	-	\$	22,781	\$	-	\$	-	\$	22,781
40001000		WC-4092 - Hydro-Pneumatic Surge Arrestor System	1 LS	\$	-	\$	1,508,413	\$	-	\$	-	\$	1,508,413
40001220		\$\$ 54 - SURGE MITIGATION	1 LS	\$	-	\$	1,508,413	\$	-	\$	-	\$	1,508,413
40001220	00434241	Hydro-Pneumatic Surge Arrestor System	1 LS	\$	-	\$	1,508,413	\$	-	\$	-	\$	1,508,413
40001300		WC-4122 - Cranes & Hoists	1 LS		ALLOWANCE		ALLOWANCE		ALLOWANCE		ALLOWANCE		ALLOWANCE
43000000		WC-4311 - Rotary Lobe Blowers	1 LS	\$	-	\$	152,180	\$	-	\$	-	\$	152,180
43000100		\$\$ 28 - FILTRATION	1 LS	\$	-	\$	152,180	\$	-	\$	-	\$	152,180
43000100	00444316	Rotary Lobe Blowers	1 LS	\$	-	\$	152,180	\$	-	\$	-	\$	152,180
43000300		WC-4312 - Rotary Screw Compressors	1 LS		By WC-4092		By WC-4092		By WC-4092		By WC-4092		By WC-4092
43000600		WC-4323.1 - Vertical In-Line Centrifugal Sample Wa	1 LS		ALLOWANCE		ALLOWANCE		ALLOWANCE		ALLOWANCE		ALLOWANCE
43001000		WC-4323.2 - Rotary Lobe Pumps	1 LS	\$	-	\$	97,725	\$	-	\$	-	\$	97,725
43001170		\$\$ 40 - THICKENERS	1 LS	\$	-	\$	39,090	\$	-	\$	-	\$	39,090
43001170	00432105	Rotary Lobe Pumps	2 EA	\$	-	\$	39,090	\$	-	\$	-	\$	39,090
43001180		\$\$ 50 - DEWATERING	1 LS	\$	-	\$	58,635	\$	-	\$	-	\$	58,635
43001180	00432105	Rotary Lobe Pumps	3 EA	\$	-	\$	58,635	\$	-	\$	-	\$	58,635

43001300	WC-4323.3 - Peristaltic Hose Pumps	1	LS	\$	-	\$	633,708	\$	-	\$	-	\$	633,708
43001440	\$\$ 34 -MAIN CHEMICAL FACILITY	1	LS	\$	-	\$	633,708	\$	-	\$	-	\$	633,708
43001440	00461824 Peristaltic Hose Pumps	1	LS	\$	-	\$	633,708	\$	-	\$	-	\$	633,708
43001600	WC-4323.4 - Portable Chemical Tank Transfer Pump	1	LS	\$	-	\$	22,035	\$	-	\$	-	\$	22,035
43001740	\$\$ 34 -MAIN CHEMICAL FACILITY	1	LS	\$	-	\$	22,035	\$	-	\$	-	\$	22,035
43001740	00461814 Portable Chemical Tanks Transfer Pumps	1	LS	\$	-	\$	22,035	\$	-	\$	-	\$	22,035
43002000	WC-4324 - Vertical Turbine Short-Set Pumps	1	LS	\$	-	\$	6,303,902	\$	-	\$	-	\$	6,303,902
43002160	\$\$ 37 - EQUALIZATION/OVERFLOW BASIN and RECYCLE PS	1	LS	\$	-	\$	501,380	\$	-	\$	-	\$	501,380
43002160	00432125 Submersible Solids Handling Pumps	4	EA	\$	-	\$	501,380	\$	-	\$	-	\$	501,380
43002210	\$\$ 53 - RAW WATER AND FINISH WATER PS	1	LS	\$	-	\$	5,802,522	\$	-	\$	-	\$	5,802,522
43002210	00432155 Vertical Turbine Short Set Pumps	7	EA	\$	-	\$	5,802,522	\$	-	\$	-	\$	5,802,522
43002300	WC-4325 - Submersible Solids Handling Pumps	1	LS			ALLOWANCE	ALLOWANCE		ALLOWANCE		ALLOWANCE	ALLOWANCE	
43002600	WC-4341.1 - Wire and Strand Wrapped Prestressed Co	1	LS	\$	-	\$	-	\$	-	\$	11,112,352	\$	11,112,352
43002610	\$\$ 35 - CLEARWELL	1	LS	\$	-	\$	-	\$	-	\$	11,112,352	\$	11,112,352
43002610	430001 TANK SUBCONTRACTOR	1	LS	\$	-	\$	-	\$	-	\$	11,112,352	\$	11,112,352
43002800	WC-4341.2 - Fiberglass Tanks	1	LS	\$	-	\$	976,175	\$	-	\$	-	\$	976,175
43002940	\$\$ 34 -MAIN CHEMICAL FACILITY	1	LS	\$	-	\$	976,175	\$	-	\$	-	\$	976,175
43002940	00434145 Fiberglass Tanks	11	EA	\$	-	\$	976,175	\$	-	\$	-	\$	976,175
43003100	WC-4631.2 - Carbon Dioxide Storage and Feed System	1	LS	\$	-	\$	1,715,919	\$	-	\$	-	\$	1,715,919
43003230	\$\$ 33 - OUTDOOR CHEMICAL FACILITY	1	LS	\$	-	\$	1,715,919	\$	-	\$	-	\$	1,715,919
43003230	00461882 Carbon Dioxide Storage and Feed System	1	LS	\$	-	\$	1,715,919	\$	-	\$	-	\$	1,715,919
46000000	WC-4631.2 - Ozone Generating and Feed Equipment	1	LS	\$	-	\$	3,580,070	\$	-	\$	-	\$	3,580,070
46000080	\$\$ 25 - OZONE GENERATION	1	LS	\$	-	\$	3,580,070	\$	-	\$	-	\$	3,580,070
46000080	00444456 Ozone Generating and Feed Equipment	1	LS	\$	-	\$	3,580,070	\$	-	\$	-	\$	3,580,070
46000300	WC-4633 - Ballasted Flocculation System	1	LS	\$	-	\$	2,578,036	\$	-	\$	-	\$	2,578,036
46000370	\$\$ 22 - BALLASTED FLOCCULATION	1	LS	\$	-	\$	2,578,036	\$	-	\$	-	\$	2,578,036
46000370	00462435 Ballasted Flocculation System	1	LS	\$	-	\$	2,578,036	\$	-	\$	-	\$	2,578,036
46000600	WC-4633.1 - Inline Polymer Blending and Feed Equip	1	LS	\$	-	\$	377,370	\$	-	\$	-	\$	377,370
46000780	\$\$ 50 - DEWATERING	1	LS	\$	-	\$	377,370	\$	-	\$	-	\$	377,370
46000780	00461838 Inline Polymer Blending and Feed Equipment	1	LS	\$	-	\$	377,370	\$	-	\$	-	\$	377,370
46001000	WC-4633.2 - Polymer Blending and Feed Equipment	1	LS	\$	-	\$	483,150	\$	-	\$	-	\$	483,150
46001140	\$\$ 34 -MAIN CHEMICAL FACILITY	1	LS	\$	-	\$	483,150	\$	-	\$	-	\$	483,150
46001140	00461828.1 Polymer Blending and Feed Equipment	1	LS	\$	-	\$	483,150	\$	-	\$	-	\$	483,150
46001300	WC-4633.3 - Liquid Chemical Diffusers	1	LS			By WC-4000.1	By WC-4000.1		By WC-4000.1		By WC-4000.1	By WC-4000.1	
46001600	WC-4641 - Vertical Shaft Mixers	1	LS	\$	-	\$	568,930	\$	-	\$	-	\$	568,930
46001770	\$\$ 40 - THICKENERS	1	LS	\$	-	\$	568,930	\$	-	\$	-	\$	568,930
46001770	00462215 Vertical Shaft Mixers	2	EA	\$	-	\$	568,930	\$	-	\$	-	\$	568,930
46002000	WC-4661.1 - Filter Media	1	LS	\$	-	\$	2,572,730	\$	-	\$	-	\$	2,572,730
46002100	\$\$ 28 - FILTRATION	1	LS	\$	-	\$	2,572,730	\$	-	\$	-	\$	2,572,730
46002100	00463238 Filter Media	1	LS	\$	-	\$	2,572,730	\$	-	\$	-	\$	2,572,730
46002300	WC-4661.2 - Stainless Steel Washwater Troughs	1	LS	\$	-	\$	515,000	\$	-	\$	-	\$	515,000
46002400	\$\$ 28 - FILTRATION	1	LS	\$	-	\$	515,000	\$	-	\$	-	\$	515,000
46002400	00059104 Stainless Steel Washwater Troughs	48	EA	\$	-	\$	515,000	\$	-	\$	-	\$	515,000
46002600	WC-4661.3 - Filter Underdrain System	1	LS	\$	-	\$	1,025,400	\$	-	\$	-	\$	1,025,400
46002700	\$\$ 28 - FILTRATION	1	LS	\$	-	\$	1,025,400	\$	-	\$	-	\$	1,025,400
46002700	00463248 Filter Underdrain System	1	LS	\$	-	\$	1,025,400	\$	-	\$	-	\$	1,025,400
46003000	WC-4666 - Closed-Vessel Ultraviolet Disinfection S	1	LS	\$	-	\$	1,138,150	\$	-	\$	-	\$	1,138,150
46003110	\$\$ 30 - UV DISINFECTION, PRIMARY SG AND MAINTENANC	1	LS	\$	-	\$	1,138,150	\$	-	\$	-	\$	1,138,150
46003110	00444454 Closed Vessel UV Disinfection System	1	LS	\$	-	\$	1,138,150	\$	-	\$	-	\$	1,138,150
46003300	WC-4671 - Circular Gravity Thickeners	1	LS	\$	-	\$	576,974	\$	-	\$	-	\$	576,974
46003470	\$\$ 40 - THICKENERS	1	LS	\$	-	\$	576,974	\$	-	\$	-	\$	576,974
46003470	00463800 Circular Gravity Thickeners	1	LS	\$	-	\$	576,974	\$	-	\$	-	\$	576,974
46003600	WC-4676 - Dewatering Screw Presses	1	LS	\$	-	\$	869,150	\$	-	\$	-	\$	869,150
46003780	\$\$ 50 - DEWATERING	1	LS	\$	-	\$	869,150	\$	-	\$	-	\$	869,150
46003780	00463840 Dewatering Screw Presses	1	LS	\$	-	\$	869,150	\$	-	\$	-	\$	869,150

Allowance Log

WWSP WTP 1.0
GMP1 - FINAL
February 8, 2022



Allowance #	Scope or WC No.	SP or SUB	Value (\$)	Description / Summary	Notes
1	WC-0100	SUB	\$500,000.00	Additional seismic qualifications per Spec 01 88 29 and other relevant specification requirements.	Allowance is to cover the following: cost delta between the vendors preferred method of seismic qualification versus the method that is satisfactory to WWSP or CDM; costs for vendor omission of seismic qualification; and increased costs for substituting vendors that are unable to meet specified requirements.
2	WC-0156	SUB	\$138,929.00	Additional vibration monitoring and structural pre and post-inspections for structures on adjacent properties in accordance with specification section 01 57 10.	Additional costs associated with specification section 01 57 10 Vibration Monitoring. Thirteen relocations of the vibration monitoring equipment during construction. One installation for twenty weeks and removal of temporary monitors based on situational requirements. Vibration consulting costs and additional on-site services. Nineteen total structural pre-inspections performed by registered Oregon Professional Engineer. Twenty-two structural post-inspections of structures on adjacent properties performed by registered Oregon Professional Engineer.
3	WC-0156	SP	\$100,000.00	Temporary Tree and Plant Protection per Spec 01 56 39.	No quote was received prior to GMP submittal for Temporary Tree and Plant Protection. Allowance is for performing the tree and plant protection identified in specification section 01 56 39 including protection zone fencing, protection zone signage, maintenance of protection zone fencing, certified arborist services, crown pruning, root protection, root pruning, root relocation, tree relocation, and tree replacement. Excluded from this allowance is the survey of the limits of disturbance, which is included in the tree removal scope performed directly by WWSP. Cost for this scope is carried as an allowance and will be reconciled when quotes are received.
4	WC-0795	SUB	\$300,000.00	Expansion Control Scope per Spec 07 95 00	Only one bidder provided a quote which had numerous scope gaps. Sundt to work with CDM to clarify scope and details and then re-bid. Carried as allowance as requested by WWSP.
5	WC-1040 & WC-4005	SP	\$362,806.00	Identification per Specification Sections 10 14 00 and 40 05 53.	Specifications are conflicting and unclear as to what type of identification is required for piping and equipment by pipe type, pipe size, pipe locations and equipment. This allowance includes the entirety of the requirements of specification sections 10 14 00 and 40 05 53 including exposed/above grade piping identification, equipment identification for tags, tagging, marker posts, brass cap markers, warning tape, labels, stenciling, lockout devices, ceiling tags, and safety signs. Scope will be detailed with CDM to clarify requirements then re-bid. Allowance will be reconciled with WWSP with final bids received.
6	WC-3100	SP	\$548,087.00	Shoring at Area 53 - Finished Water Pump Station	Area 53 lies on the critical path of the project and the schedule requires Areas 53 and 35 to progress independently of each other, shoring or other means may be required between Areas 53 and 35. Sundt will utilize this allowance to cover additional costs to mitigate the schedule conflict.
7	WC-4000.1	SP	\$500,000.00	Pipe insulation and heat trace allowance between sub quote and conflicts between pipe schedule and pipe insulation/heat trace specifications.	Discrepancies exist between piping and heat trace specifications with the piping schedule and drawings. Sundt and all bidders provided clarifications in their bids as a result of these discrepancies. This allowance covers additional heat trace and insulation required beyond what is indicated in the specifications.
8	WC-4000.1	SP	\$95,840.00	Seismic Bracing for vertical turbine pumps at Area 53	The vertical turbine pump suppliers anticipate needing to provide bracing within the wetwell due to seismic requirements. The full scope of bracing will not be known until submittals are developed and approved. This allowance is for additional costs required for bracing once vendor submittals are received and approved.
9	WC-4100	SUB	\$670,000.00	Bidding of remaining Division 41 Material Processing & Handling Equipment	No quotes were received for Sections 41 22 13.13 Bridge Cranes, 41 22 13.16 Gantry Crane, and 41 22 16 Davit Cranes during the bid phase. Sections will be reconciled once bids are received.
10	WC-4633.1	SUB	\$85,273.00	Alternate vendor for In-line Polymer Blending and Feed Equipment	The low bidder, Velodyne, had several discrepancies in their bid with the project requirements. The GMP was submitted using Velodyne's quote, and the allowance is the cost difference to switch to the second bidder, USGI Solutions, if the bid discrepancies cannot be resolved.
11	WC-4633.2	SUB	\$107,568.00	Alternate vendor for Polymer Blending and Feed Equipment	The low bidder, Velodyne, had several discrepancies in their bid with the project requirements. The GMP was submitted using Velodyne's quote, and the allowance is the cost difference to switch to the second bidder, USGI Solutions, if the bid discrepancies cannot be resolved.
12	WC-4661.3	SP	\$73,125.00	Wall Anchorage for Filter Underdrain System - Use 6" x 3"x 3/8" embed plate @ 2'0" o.c. Versus rebar, epoxy for anchors.	Drawing 28-S-50001 detail 4 requires an embed plate for SS angle ledger (from mfg) attachment to the filter basin wall. Vendor indicates drilled anchors with nut & bolt attachment. This allowance is to cover either option.
13	WC-46XX	SUB	\$172,000.00	Bidding of remaining Division 43 and 46 Process Equipment.	No quotes were received for the following sections during the bid phase. 43 23 31.21 - Vertical In-Line Centrifugal Sample Water Pumps 43 23 41 - End Suction Process Pumps 43 25 20 - Submersible Turbine Sample Pumps These sections will be reconciled once final bids are received.
14	WC-46XX	SUB	\$75,300.00	Additional onsite manufacturer's field services for Specification Sections 46 31 53 - Ozone Generating and Feed Equipment, 46 43 66 Ballasted Flocculation System, and 46 66 26 Closed Vessel Ultraviolet Disinfection System.	The identified equipment sections typically require additional manufacturer's field services beyond specification requirements. This allowance is to cover additional cost as a result of additional installation support, startup services, and onsite training of this equipment.
15	WC-4631	SUB	\$7,500.00	CO2 System NPW Pump	The selected vendor for the Carbon Dioxide Storage and Feed System, TOMCO, has indicated that there may not be sufficient pressure and suggested the inclusion of a NPW pump. Details and specific requirements won't be known until evaluation by CDM and vendor submittals are prepared. Therefore, this is being included as an allowance until scope is defined.
16	WC-2600	Sub	\$125,000.00	PGE Development, design and/or impact fees associated with providing temporary power	PGE anticipates some cost associated with providing temporary power to include design, development, and impact fees. PGE quotation for these costs will be based on the completed temporary site electrical plan which will be developed after LNTP.
TOTAL DIRECT COSTS			\$ 3,861,428.00 =>		

ESTIMATE REVIEW REPORT

TVWD WTP 1.0 - GMP1

2/9/2022

Project Location: Sherwood, Oregon

Bid Date: 11/4/2021

Lead Estimator: Michael Neher

Estimate Type: GMP

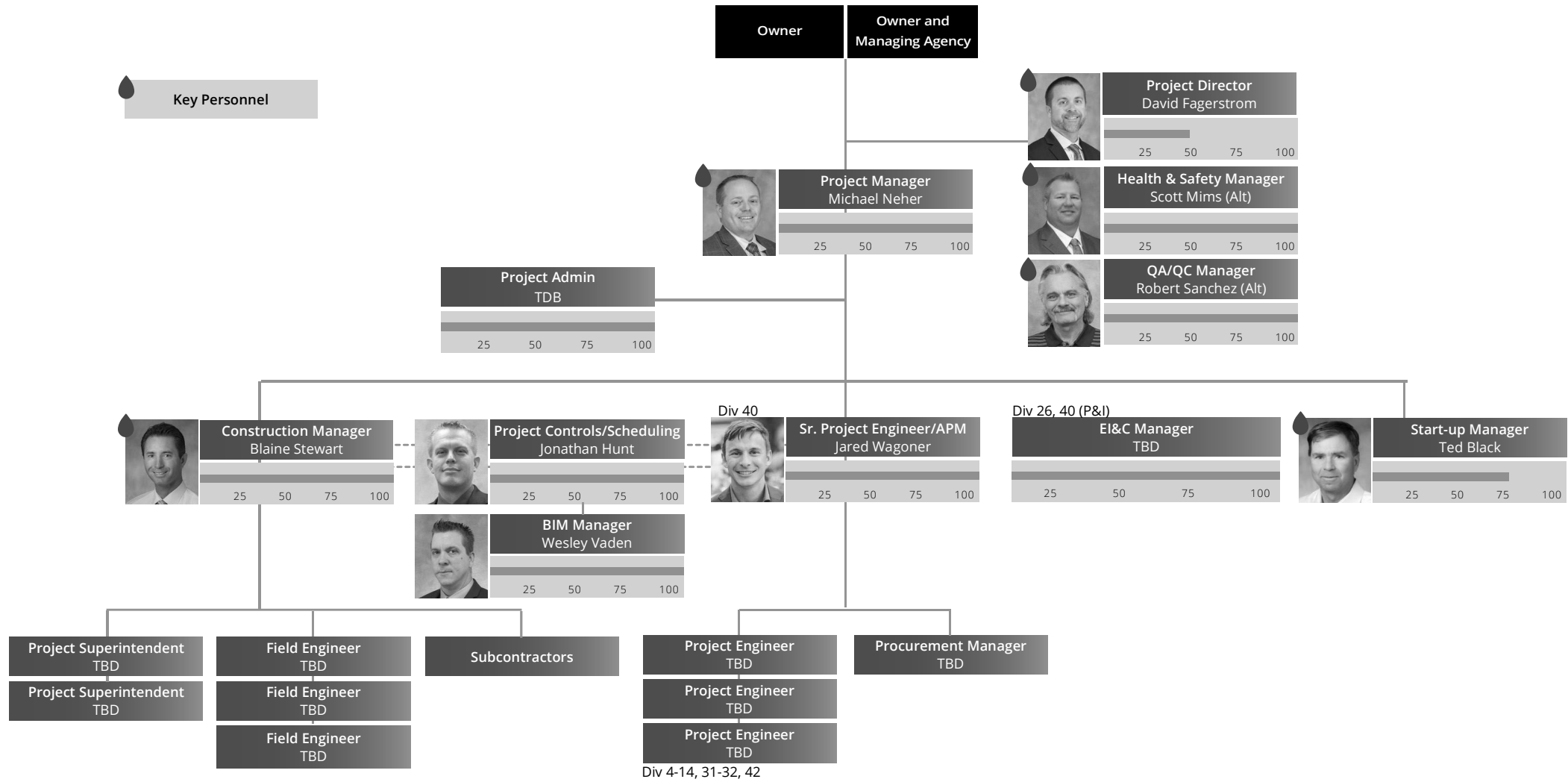


ITEM	ACTIVITY	DESCRIPTION	QTY	UNIT	TOT HRS	LAB\$/MH	TOTAL LABOR	TOTAL MATERIAL	TOTAL EQUIPMENT	TOTAL SUBCONTRACT	TOTAL COST
91000000	GENERAL CONDITIONS		217	WK	116,320.00	147.01	\$ 17,099,822	\$ 5,363,686	\$ 1,473,342	\$ 281,542	\$ 23,072,144
91001000	SALARIED & ADMIN PERSONNEL		217	WK	115,520.00	147.46	\$ 17,035,011	\$ 271,287	\$ 1,159,960	\$ -	\$ 17,320,011
91001000	001002	PROJECT DIRECTOR	104	WK	4,160.00	210.64	\$ 876,260	\$ -	\$ -	\$ -	\$ 876,260
91001000	001004	PROJECT MANAGER	184	WK	7,360.00	192.81	\$ 1,419,066	\$ -	\$ -	\$ -	\$ 1,419,066
91001000	001005	SENIOR PROJECT ENGINEER	190	WK	7,600.00	173.86	\$ 1,321,331	\$ -	\$ -	\$ -	\$ 1,321,331
91001000	001006	CONSTRUCTION MANAGER	151	WK	6,040.00	182.78	\$ 1,103,967	\$ -	\$ -	\$ -	\$ 1,103,967
91001000	001008	PROJECT SUPERINTENDENT X 2	283	WK	11,320.00	164.95	\$ 1,867,189	\$ -	\$ -	\$ -	\$ 1,867,189
91001000	001016	EI&C MANAGER	154	WK	6,160.00	163.43	\$ 1,006,705	\$ -	\$ -	\$ -	\$ 1,006,705
91001000	001026	PROJECT ENGINEER X 3	415	WK	16,600.00	139.92	\$ 2,322,660	\$ -	\$ -	\$ -	\$ 2,322,660
91001000	001028	FIELD ENGINEER X 3	420	WK	16,800.00	107.08	\$ 1,798,985	\$ -	\$ -	\$ -	\$ 1,798,985
91001000	001029	SCHEDULING ENGINEER	158	WK	6,320.00	140.58	\$ 888,460	\$ -	\$ -	\$ -	\$ 888,460
91001000	001036	PROJECT QUALITY MANAGER	151	WK	6,040.00	147.12	\$ 888,580	\$ -	\$ -	\$ -	\$ 888,580
91001000	001039	SAFETY MANAGER	171	WK	6,840.00	147.11	\$ 1,006,226	\$ -	\$ -	\$ -	\$ 1,006,226
91001000	001041	PROJECT ADMINSTRATOR	175	WK	7,000.00	77.40	\$ 541,790	\$ -	\$ -	\$ -	\$ 541,790
91001000	001043	PROCUREMENT MANAGER	125	WK	5,000.00	151.73	\$ 758,670	\$ -	\$ -	\$ -	\$ 758,670
91001000	001046	COMMISSIONING MANAGER	115	WK	4,600.00	164.95	\$ 758,752	\$ -	\$ -	\$ -	\$ 758,752
91001000	001048	MODELER	92	WK	3,680.00	129.45	\$ 476,370	\$ -	\$ -	\$ -	\$ 476,370
91001000	001083	RELOCATE PROJECT PERSONNEL	19	EA	0.00	0.00	\$ -	\$ 285,000	\$ -	\$ -	\$ 285,000
91001100	FIELD OFFICES & FACILITIES		180	WK	0.00	0.00	\$ -	\$ 1,926,018	\$ 14,040	\$ 160,542	\$ 2,100,600
91001100	01101	SUNDT MAIN OFFICE TRAILER - 4 WIDE	182	WK	0.00	0.00	\$ -	\$ 288,481	\$ -	\$ -	\$ 288,481
91001100	01101.01	SUNDT SAFETY OFFICE TRAILER - 2 WIDE	165	WK	0.00	0.00	\$ -	\$ 126,844	\$ -	\$ -	\$ 126,844
91001100	01101.02	OWNER OFFICE TRAILER - 4 WIDE	182	WK	0.00	0.00	\$ -	\$ 288,347	\$ -	\$ -	\$ 288,347
91001100	01101.03	EARLY TEMP ONSITE TRAILERS - (2) SINGLE WIDES	26	WK	0.00	0.00	\$ -	\$ 60,354	\$ 14,040	\$ -	\$ 74,394
91001100	01102	SUNDT TRAILERS OFFICE FURN/EQUIP	1	LS	0.00	0.00	\$ -	\$ 133,301	\$ -	\$ -	\$ 133,301
91001100	01103	OWNER TRAILER OFFICE FURN/EQUIP	1	LS	0.00	0.00	\$ -	\$ 57,019	\$ -	\$ -	\$ 57,019
91001100	01104	COPY MACHINE X 3	660	WK	0.00	0.00	\$ -	\$ 159,010	\$ -	\$ -	\$ 159,010
91001100	01110	SUNDT OFFICE SUPPLIES	217	WK	0.00	0.00	\$ -	\$ 61,489	\$ -	\$ -	\$ 61,489
91001100	01111	POSTAGE, UPS, FED EX	217	WK	0.00	0.00	\$ -	\$ 32,550	\$ -	\$ -	\$ 32,550
91001100	01132	TEMP SITE FENCE	8,278	LF	0.00	0.00	\$ -	\$ 167,942	\$ -	\$ -	\$ 167,942
91001100	01136	CONEX STORAGE BOXES (UNCONDITIONED)	32	MO	0.00	0.00	\$ -	\$ 94,672	\$ -	\$ -	\$ 94,672
91001100	01137	CONEX STORAGE BOXES (CONDITIONED)	28	MO	0.00	0.00	\$ -	\$ 211,830	\$ -	\$ -	\$ 211,830
91001100	01140	DRINKING WATER	38	MO	0.00	0.00	\$ -	\$ 62,596	\$ -	\$ -	\$ 62,596
91001100	01180	ONSITE JANITOR SERVICES	47	MO	0.00	0.00	\$ -	\$ -	\$ -	\$ 160,542	\$ 160,542
91001100	01190	PROJECT TEAM BUILDING/SPIRIT EVENTS	47	MO	0.00	0.00	\$ -	\$ 56,400	\$ -	\$ -	\$ 56,400
91001100	01211	LOW VOLTAGE HOOK-UP & DISTRIBUTION @ TRAILERS	10	EA	0.00	0.00	\$ -	\$ 75,000	\$ -	\$ -	\$ 75,000
91001100	01260	ALARM SYSTEM FOR ONSITE TRAILERS	41	MO	0.00	0.00	\$ -	\$ 50,184	\$ -	\$ -	\$ 50,184
91001200	UTILITIES		42	MO	0.00	0.00	\$ -	\$ 673,448	\$ -	\$ -	\$ 673,448
91001200	01214	TRAILER COMPLEX ELECTRICAL CONSUMPTION	41	MO	0.00	0.00	\$ -	\$ 279,575	\$ -	\$ -	\$ 279,575
91001200	01222	TRAILER COMPLEX WATER CONSUMPTION	41	MO	0.00	0.00	\$ -	\$ 25,623	\$ -	\$ -	\$ 25,623
91001200	01241	TRAILER COMPLEX SEWER SERVICE	41	MO	0.00	0.00	\$ -	\$ 219,600	\$ -	\$ -	\$ 219,600
91001200	01252	TRAILER COMPLEX INTERNET SERVICE	47	MO	0.00	0.00	\$ -	\$ 148,650	\$ -	\$ -	\$ 148,650
91001300	YARD & SECURITY		42	MO	800.00	81.01	\$ 64,811	\$ 1,867,398	\$ 30,350	\$ -	\$ 1,962,558
91001300	01201	CHEMICAL TOILETS	47	MO	0.00	0.00	\$ -	\$ 322,036	\$ -	\$ -	\$ 322,036
91001300	01303	SITE SECURITY PERSONNEL	170	WK	0.00	0.00	\$ -	\$ 314,657	\$ -	\$ -	\$ 314,657
91001300	01304	SITE SECURITY EQUIPMENT	170	WK	0.00	0.00	\$ -	\$ 180,301	\$ -	\$ -	\$ 180,301
91001300	01321	FINAL CLEANING	1	LS	800.00	81.01	\$ 64,811	\$ -	\$ 30,350	\$ -	\$ 95,161
91001300	01322	DUMPSTER; DUMP FEES	42	MO	0.00	0.00	\$ -	\$ 1,050,403	\$ -	\$ -	\$ 1,050,403
91001400	MISC GENERAL REQUIREMENTS		42	MO	0.00	0.00	\$ -	\$ 388,227	\$ -	\$ -	\$ 388,227
91001400	01410	PROJECT SIGNS - BARRICADES, WARNING SYSTEMS, DIRECTIONAL SIGNAGE	1	LS	0.00	0.00	\$ -	\$ 35,000	\$ -	\$ -	\$ 35,000
91001400	01416	PROJECT DOCUMENTS/PRINTING	181	WK	0.00	0.00	\$ -	\$ 26,550	\$ -	\$ -	\$ 26,550
91001400	01435	LAND SURVEYOR - AS BUILT CERTIFICATION	41	MO	0.00	0.00	\$ -	\$ 215,250	\$ -	\$ -	\$ 215,250
91001400	01438	SURVEY/LAYOUT EQUIPMENT & SUPPLIES	1	LS	0.00	0.00	\$ -	\$ 91,800	\$ -	\$ -	\$ 91,800
91001400	01440	PROJECT PHOTO	1	LS	0.00	0.00	\$ -	\$ 19,627	\$ -	\$ -	\$ 19,627
91001500	FEES/ INSURANCE/ TAXES		1	LS	0.00	0.00	\$ -	\$ 60,000	\$ -	\$ -	\$ 60,000
91001500	01501	ENGINEERING FOR TEMPORARY FACILITIES	1	LS	0.00	0.00	\$ -	\$ 30,000	\$ -	\$ -	\$ 30,000
91001500	01502	TEXTURA FEES	1	LS	0.00	0.00	\$ -	\$ 30,000	\$ -	\$ -	\$ 30,000
91001700	SAFETY		1	LS	0.00	0.00	\$ -	\$ 162,519	\$ -	\$ -	\$ 162,519
91001700	01715	FIRST AID KITS, SUPPLIES	177	WK	0.00	0.00	\$ -	\$ 44,250	\$ -	\$ -	\$ 44,250

General Conditions

91001700	01720	SAFETY PPE	1 LS	0.00	0.00	\$	-	\$	50,000	\$	-	\$	-	\$	50,000
91001700	01721	SAFETY INCENTIVES & AWARDS	1 LS	0.00	0.00	\$	-	\$	48,000	\$	-	\$	-	\$	48,000
91001700	01722	FIRE EXTINGUISHERS	75 EA	0.00	0.00	\$	-	\$	20,269	\$	-	\$	-	\$	20,269
91001705		QUALITY	1 LS	0.00	0.00	\$	-	\$	-	\$	-	\$	121,000	\$	121,000
91001705	01705	3RD PARTY NACE INSPECTION	1 LS	0.00	0.00	\$	-	\$	-	\$	-	\$	61,000	\$	61,000
91001705	01706	3RD PARTY BUILDING ENVELOPE CONSULTANT	1 LS	0.00	0.00	\$	-	\$	-	\$	-	\$	60,000	\$	60,000
91001900		TOOLS AND EQUIPMENT	1 LS	0.00	0.00	\$	-	\$	14,789	\$	268,992	\$	-	\$	283,781
91001900	01921	LIGHT PLANT	177 WK	0.00	0.00	\$	-	\$	-	\$	178,599	\$	-	\$	178,599
91001900	01955	UTVs (GATORs)	177 WK	0.00	0.00	\$	-	\$	-	\$	90,393	\$	-	\$	90,393
91001900	01990	RADIOS	1 LS	0.00	0.00	\$	-	\$	14,789	\$	-	\$	-	\$	14,789

Willamette Water Supply
Our Reliable Water



Change Title: GMP 1 Incorporation
Project: WTP_CMGC
To: SUNDT CONTRUCTION INC

Change Order# 11
Date: 2/11/2022
Contract # 2018-015

The following PCOs are hereby incorporated into the Contract:

PCO#	Description	Time Impact (Days)	Change Amount
PCO – 12	GMP 1 Incorporation	0	\$405,508,878.00

The Original Contract Sum was	\$1,083,696.00
Net Change by Previously Authorized Requests and Changes	\$495,505.00
The Contract Sum Prior to this Change Order was	\$1,579,201.00
The Contract Sum will change by	\$405,508,878.00
The New Contract Sum including this Change Order	\$407,088,079.00
The Contract Time will change by	0 Days
The Date of Contract Completion as of this Change Order Therefore is	3/26/2026

The compensation amount of this Change Order, including time and price, comprises the total compensation due the Contractor, its Subcontractors, Suppliers, or any other party for whom Contractor is responsible, for the work or change defined in the Change Order, including impact on unchanged Work, and is all inclusive of any additional costs incurred by the Contractor to date. By executing this Change Order, the Contractor acknowledges and agrees on behalf of itself, its Subcontractors, Suppliers, and any other party for whom Contractor is responsible, that the stipulated compensation includes payment for all work contained in the Change Order, plus all payment for the interruption of schedules, extended field overhead costs, delay, and any costs resulting from, arising out of, in connection with, or impacting all other Work under this Contract. The execution of this Change Order constitutes full satisfaction and total equitable adjustment for the change. No further claim or request for equitable adjustment of any type for any reasonably foreseeable cause shall arise out of or as a result of this Change Order on the remainder of the Work under this Contract. All rights, without exception or reservation of any kind whatsoever, to file any further claim related to this Change Order are hereby waived.

OWNER

By: _____
Name: _____
Title: _____
Date: _____

By: _____
Name: _____
Title: _____
Date: _____

**PCO-12 Contract No. 2018-015
WTP_1.0 Construction Management / General Contractor Services**

WTP CMGC Contract deliverables and WTP Construction

In accordance with the contract agreement, this change authorizes the not not to exceed, Guaranteed Maximum Price (GMP) of \$405,508,878 for the WTP_1.0 Construction Phase 1 (one). The following documents are provided as back-up for GMP1:

1. GMP1 summary
2. GMP1 Work Package Selected Subs/Vendors
3. GMP1 Exclusions, Clarifications, and Assumptions (EAC) log
4. Specification Section 01 24 13 - Value Engineering
5. GMP1 Bid Alternates Build-up
6. GMP1 Summary of Subcontracted Work
7. GMP1 Summary of Self-perform Work
8. GMP1 Detailed Build-up
9. GMP1 Direct Cost WBS Summary
10. GMP1 Direct Cost CSI Summary
11. GMP1 Direct Cost WBS & Work Category Summary
12. GMP1 Allowances Log
13. GMP1 General Conditions Build-up
14. CM/GC Staffing Plan
15. CM/GC Organizational Chart
16. GMP1 Voluntary Escalation/De-Escalation
17. Vibration Control Plan
18. Wage Determination
19. Work Package Abstracts
20. Best Value Package Evaluations
21. Amendment to Contract #2018-015

Owner's approval of GMP1 and this PCO is contingent upon CM/GC's execution and the Owner's receipt of Amendment 1 to Contract #2018-015.

It is WWSP's position that, except for the Corporate Activities Tax (CAT), which we have come to a separate agreement on, income taxes, gross receipts taxes, and taxes on profits are already excluded from the Cost of Work in the original Contract.

****Note commitment items in the change order are entered at the bid package level and are shown as lump sum for the purposes of invoice administration and use of e-Builder. Actual costs shall be billed per contract documents and are not to be treated as lump sum unless approved by the WWSP. It is expected Sundt will develop a detailed schedule of values that roll up to these bid packages and the invoice will be based on actual cost and will have the supporting documentation as per the contract documents. ****

Item	Description	Quantity	Units	Unit Price	Net Amount
34	WC-0100 - Tower and Mobile Cranes			\$ 0.00	\$5,650,552.00

35	WC-0100 - Construction Support	\$ 0.00	\$4,605,805.00
36	WC-0156 - Tree Protection	\$ 0.00	\$ 0.00
37	WC-0157.2 - Environmental Controls	\$ 0.00	\$96,218.00
38	WC-0157.3 - Vibration Monitoring	\$ 0.00	\$159,231.00
39	WC-0190.1 - On-Site Commissioning & Startup (WTP_1.0)	\$ 0.00	\$2,414,966.00
40	WC-0300.1 - Concrete - Main Process & Pump Station	\$ 0.00	\$47,914,643.00
41	WC-0300.2 - Concrete - Thickeners & Solids Handling	\$ 0.00	\$4,511,699.00
43	WC-0474 - Masonry	\$ 0.00	\$1,446,038.00
44	WC-0580 - Structural Steel & Misc. Metals	\$ 0.00	\$17,458,735.00
45	WC-0617 - Cross-Laminated Timber (CLT)	\$ 0.00	\$540,927.00
46	WC-0674 - Fiberglass Reinforced Plastic (FRP) Components	\$ 0.00	\$1,432,962.00
47	WC-0710 - Damp Proofing & Waterproofing	\$ 0.00	\$918,386.00
48	WC-0741 - Metal Roof & Wall Panels	\$ 0.00	\$5,182,001.00
49	WC-0750 - Polyvinyl-Chloride (PVC) Roofing	\$ 0.00	\$1,403,061.00
50	WC-0790 - Caulking & Sealants	\$ 0.00	\$116,150.00
51	WC-0795 - Expansion Control	\$ 0.00	\$ 0.00
52	WC-0810 - Doors and Hardware	\$ 0.00	\$815,029.00

53	WC-0833 - Overhead Coiling Doors	\$ 0.00	\$533,850.00
54	WC-0840 - Aluminum Framed Entrances and Storefronts	\$ 0.00	\$887,476.00
55	WC-0929 - Gypsum Board Walls	\$ 0.00	\$2,489,183.00
56	WC-0951 - Acoustical Panel Ceiling	\$ 0.00	\$16,194.00
57	WC-0965 - Flooring	\$ 0.00	\$270,517.00
58	WC-0990 - Painting	\$ 0.00	\$4,901,403.00
59	WC-1011 - Visual Display Units	\$ 0.00	\$4,268.00
60	WC-1014 - Signage	\$ 0.00	\$57,561.00
61	WC-1028 - Toilet Partitions and Accessories	\$ 0.00	\$65,807.00
62	WC-1044 - Fire Protection Cabinets and Extinguishers	\$ 0.00	\$37,303.00
63	WC-1056 - Metal Lockers	\$ 0.00	\$48,634.00
64	WC-1153 - Laboratory Appliances	\$ 0.00	\$157,314.00
65	WC-1158 - Residential Appliances	\$ 0.00	\$25,442.00
66	WC-1220 - Window Treatments	\$ 0.00	\$19,174.00
67	WC-1230 - Casework & Counters	\$ 0.00	\$391,028.00
68	WC-1421 - Electric Traction Elevators	\$ 0.00	\$669,425.00
69	WC-1443 - Platform Lifts	\$ 0.00	\$48,695.00

70	WC-2100 - Fire Protection	\$ 0.00	\$1,686,483.00
71	WC-2200 - Plumbing	\$ 0.00	\$6,087,863.00
72	WC-2300 - HVAC	\$ 0.00	\$14,251,609.00
73	WC-2313 - Fuel Tanks	\$ 0.00	\$689,201.00
74	WC-2600 - Electrical	\$ 0.00	\$42,553,605.00
75	WC-2632 - Diesel Emergency Engine Generators	\$ 0.00	\$3,795,018.00
76	WC-3100 - Earthwork & Utilities	\$ 0.00	\$58,609,118.00
77	WC-4000.1 - Process Integration	\$ 0.00	\$43,561,599.00
78	WC-4000.2 - SCADA	\$ 0.00	\$3,317,516.00
79	WC-4005 - Stainless Steel Slide Gates	\$ 0.00	\$271,236.00
80	WC-4092 - Hydro-Pneumatic Surge Arrestor System	\$ 0.00	\$1,508,413.00
81	WC-4122 - Cranes & Hoists	\$ 0.00	\$ 0.00
82	WC-4311 - Rotary Lobe Blowers	\$ 0.00	\$280,128.00
83	WC-4312 - Rotary Screw Compressors	\$ 0.00	\$ 0.00
84	WC-4323.1 - Vertical In-Line Centrifugal Sample Water Pumps	\$ 0.00	\$ 0.00
85	WC-4323.2 - Rotary Lobe Pumps	\$ 0.00	\$97,725.00
86	WC-4323.3 - Peristaltic Hose Pumps	\$ 0.00	\$633,708.00

87	WC-4323.4 - Portable Chemical Tank Transfer Pump	\$ 0.00	\$22,035.00
88	WC-4324 - Vertical Turbine Short-Set Pumps	\$ 0.00	\$5,802,522.00
89	WC-4325 - Submersible Solids Handling Pumps	\$ 0.00	\$501,380.00
90	WC-4341.1 - Wire and Strand Wrapped Prestressed Concrete Tank	\$ 0.00	\$11,112,352.00
91	WC-4341.2 - Fiberglass Tanks	\$ 0.00	\$976,175.00
92	WC-4631.2 - Carbon Dioxide Storage and Feed System	\$ 0.00	\$1,715,919.00
93	WC-4631.2 - Ozone Generating and Feed Equipment	\$ 0.00	\$3,836,206.00
94	WC-4633.1 - Inline Polymer Blending and Feed Equipment	\$ 0.00	\$453,120.00
95	WC-4633.2 - Ballasted Floc Polymer Preparation System	\$ 0.00	\$483,150.00
96	WC-4641 - Vertical Shaft Mixers	\$ 0.00	\$568,930.00
97	WC-4643 - Ballasted Flocculation System	\$ 0.00	\$2,578,036.00
98	WC-4661.1 - Filter Media	\$ 0.00	\$2,572,730.00
99	WC-4661.2 - Stainless Steel Washwater Troughs	\$ 0.00	\$515,000.00
100	WC-4661.3 - Filter Underdrain System	\$ 0.00	\$1,025,400.00
101	WC-4666 - Closed Vessel Ultraviolet Disinfection System	\$ 0.00	\$1,138,150.00
102	WC-4671 - Circular Gravity Thickeners	\$ 0.00	\$576,974.00
103	WC-4676 - Dewatering Screw Presses	\$ 0.00	\$869,150.00

104	Escalation/De-escalation Contingency	\$ 0.00	\$4,760,702.00
105	CM/GC Contingency	\$ 0.00	\$9,521,404.00
106	Payment & Performance Bond	\$ 0.00	\$3,209,649.00
107	General Liability Insurance	\$ 0.00	\$3,179,190.00
108	Builders Risk & Pollution Insurance	\$ 0.00	\$2,623,027.00
109	Corporate Activities Tax	\$ 0.00	\$1,502,412.00
110	CM/GC General Conditions	\$ 0.00	\$23,072,144.00
111	CM/GC Fee - Non Self Performed	\$ 0.00	\$5,127,310.00
112	CM/GC Fee - Self Performed	\$ 0.00	\$18,402,478.00
113	Allowances	\$ 0.00	\$3,861,428.00
114	Owner's Contingency	\$ 0.00	\$15,869,006.00
117	Negotiated Package Reduction / Credit	\$ 0.00	\$-3,000,000.00
118	WC-4323.5 - End Suction Pumps	\$ 0.00	\$ 0.00
120	WC-4325 - Submersible Turbine Sample Pumps	\$ 0.00	\$ 0.00
121	WC-4005.1 - Piping Identification	\$ 0.00	\$ 0.00
Total		\$	405,508,878.00

Willamette Water Supply

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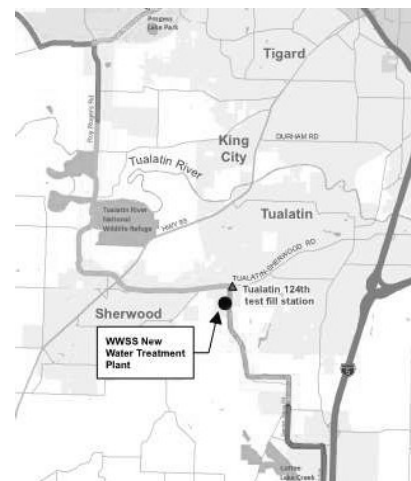
3.A. Approve WTP_1.0 GMP for Construction – *Mike Britch*

WWSS Commission Special Board Meeting
February 17, 2022

1

WTP _1.0 Background

- Located in the Tonquin Employment Area in Sherwood
- The WTP will initially produce up to 60 million gallons per day (MGD), with full buildout production of 120 MGD
- WTP_1.0 includes construction of Ice Age Drive and half street improvements for SW 124th Ave
- Construction will be bid in two GMP packages
- Procurement of UV, Ballasted Flocculation and Dewatering Screw Press already complete to allow for efficient design around those process elements



2

Project Scopes

GMP 1 Scope of Work

- Best Value:
 - Earthwork/Utilities*
 - Process Integration*
 - Concrete*
 - Electrical
- Assigned Contracts
 - SCADA Integrator
 - Security Integrator
 - Vibration Monitoring
 - Erosion Control compliance
- Low Bid
 - Balance of scope of work

* Sundt bid on these best value packages

GMP 2 Scope of Work

- Low Bid
 - Roads and sidewalks
 - Fencing
 - Landscaping
 - Finished water distribution system commissioning

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WTP_1.0 CM/GC Background

- Sundt Construction contract for CM/GC services was executed in January 2019
 - Included design phase services for WTP_1.0
 - Included preparation of two GMPs:
 - GMP No. 1 for most of the WTP
 - GMP No. 2 for final road construction, landscaping, fencing, and finished water commissioning (draft expected in June 2023)
- GMP1 LNTP planned for February 4, 2022
- GMP1 NTP planned for April 8, 2022

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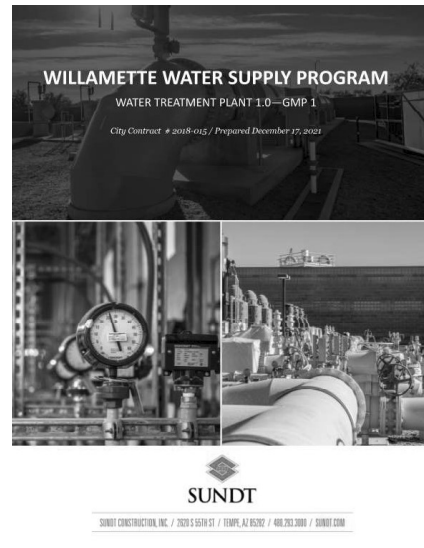
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4

Bidding Process

- Best value bid items
 - Earthwork/Utilities
 - Process Integration
 - Concrete
 - Electrical

- Sundt bid on self-performed work packages
 - Earthwork/Utilities
 - Process Integration
 - Concrete
 - Structural steel and miscellaneous metals
 - FRP components



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GMP1 Outreach

- Pre-bid meeting prior to advertisement
- In person meetings with potential subs
- Pre-bid meeting after advertisement
- Focused meetings with vendors/subs for individual work packages after advertisement
- Presentations by Sundt at local organization meetings
- Use of OurReliableWater website for consolidated location for all vendors and subs to access bid information, including recordings of all meetings

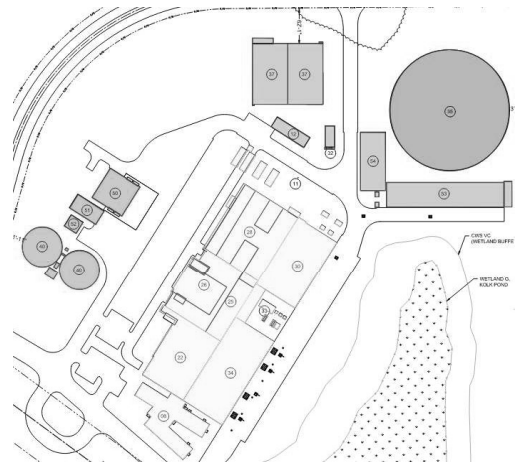
Subcontractor Outreach Schedule			
Outreach Measure	Lead	Dates	Attendees
Advertise in the DJC general information meeting for upcoming bid opportunities	Sundt	June 25, 2021	NA
Conduct virtual general information meeting	Sundt	July 29, 2021	35
Virtual subcontractor meetings (By CSI Division)	Sundt		
CSI - 3 - Structural Concrete, 31 - Earthwork, , 33 - Utilities, 40 - Process Integration (Potential Sundt Self-Perform)	Sundt	August 5, 2021	18
CSI 4 through 14, and 41	Sundt	August 12, 2021	12
CSI 21 - Fire Protection, 22 - Plumbing, 23 - HVAC	Sundt	August 19, 2021	14
CSI 26 - Electrical and Instrumentation	Sundt	August 26, 2021	12
CSI 31 and 32 - Site work	Sundt	September 2, 2021	11
CSI - 46 Process Equipment Supply	Sundt	September 9, 2021	38
CSI 4341 - Wire and Strand Wrapped Prestressed Concrete Tank	Sundt	September 16, 2021	6
In person subcontractor meetings			
June Subcontractor Visits	Sundt	W/O June 21, 2021	Avg 12 Companies
July Subcontractor Visits	Sundt	W/O July 12, 2021	Avg 12 Companies
August Subcontractor Visits	Sundt	W/O August 16, 2021	Avg 12 Companies
September Subcontractor Visits	Sundt	W/O September 13, 2021	Avg 12 Companies
Project-wide Pre-Bid Meeting	Sundt	October 6, 2021	113
National Association of Minority Contractors Virtual Meetings	Sundt	1st Wednesday of the month	75+ Attendees

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Best Value Work Package: Concrete

- Bid as three separate smaller packages to increase number of bidders
- Allowed for bidders to offer credit if more than one package was awarded
- Bids received
 - Kiewit (all packages)
 - Sundt (all packages)
 - JW Fowler (solids handling only)
- Kiewit did not meet RFP requirements and was deemed non-responsive



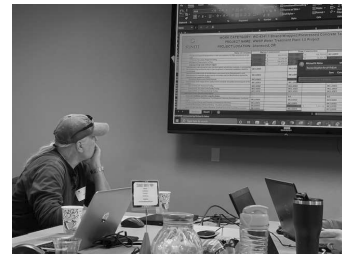
- WC-4341.1 Strand-Wrapped Prestressed Concrete Tank (not included in concrete WC)
- WC-0300.1 Main Process Concrete
- WC-0300.2 Thickeners and Solids Handling Concrete
- WC-0300.3 Pump Station, Equipment Storage & Equalization Basin Concrete

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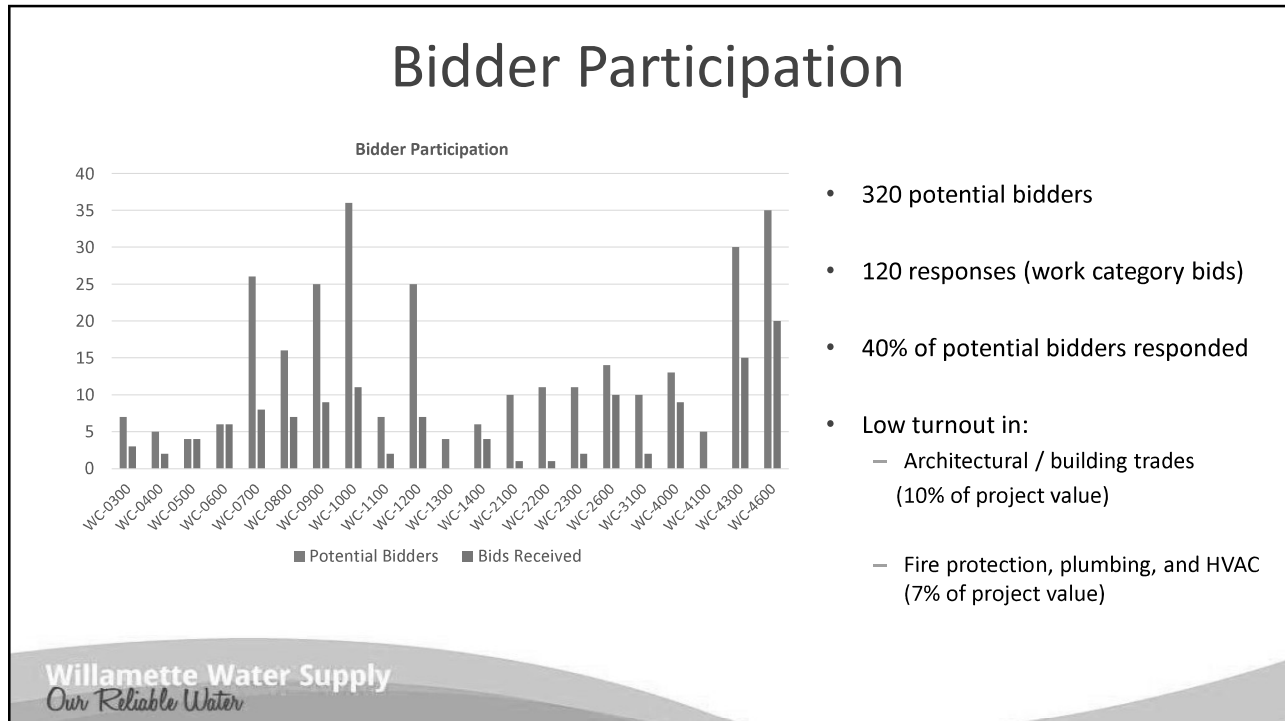
Bidding Process

- Wage rate information with GMP1 RFP
- Bid questions jointly addressed
 - All technical questions routed to WTP_1.0 design engineer
 - Sundt responded to scoping and contractual questions
- WWSP received bids and scored the non-cost portions for self-perform work
- Six addenda issued to address
 - Bidder questions
 - Modifications in the design
- “Open Book Approach” to bid review
- Sundt/WWSP meeting in Arizona in late November
 - Reviewed each work package in detail



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Market-Validated Pricing

Work Category	Negotiated	Competitive Bid	Notes
Direct Costs			
Cost of Work (Work Categories)		X	Competitively Bid
Proposed Self-Perform		X	Competitive Bid / Best Value Selection
Indirect Costs			
CMGC General Conditions & General Requirements	X		GC's Supported by Vendor Quotes
Bonds		X	Provided at CMGC Selection
Insurance		X	Quoted
Self-Perform Fee		X	Provided at CMGC Selection
CMGC Fee		X	Provided at CMGC Selection

- Approximately 95% of GMP consists of competitive sub/supplier pricing

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Market Competition

Bidders	Number of Bids
Concrete	3
Earthwork/Utilities	2
Process Integration	3
Electrical	5
Pre-stressed concrete tank	3
HVAC	2
Structural steel and misc metals	4

- Total direct cost of work = \$316,590,793
- The seven packages above make up ~75% of the total direct cost of work (\$236,419,846)

Bid Results for Concrete

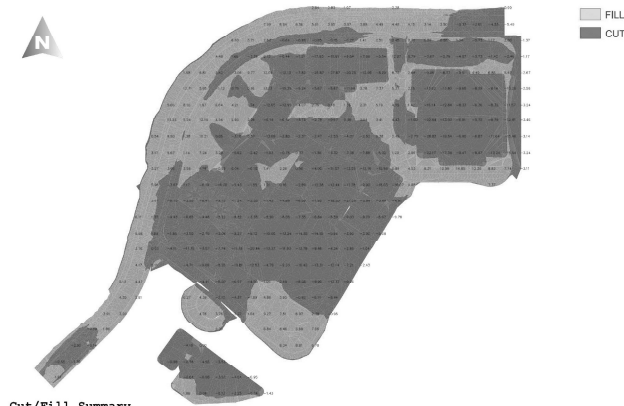
Bidders	Combined Cost	Total Score
1. Sundt / Fowler / Sundt	\$55,152,022	969
2. Kiewit	\$55,433,477	980*
3. Kiewit / Fowler / Kiewit	\$58,252,199	939*
4. Sundt	\$58,056,409	947
5. Kiewit / Fowler / Sundt	\$60,964,273	911*

*Kiewit did not meet RFP requirements and was deemed non-responsive

Best Value Work Package: Earthwork/Utilities

- Earthwork/Utilities package includes
 - Drilling and blasting
 - Excavation
 - Backfill
 - Grading
 - Temporary roads, parking
 - Underground piping

- Two responsive bidders
 - K&E Excavating
 - Sundt Construction



Bid Results for Earthwork/Utilities

Bidders	Bid	After Bid leveling	Total Score
1. Sundt Construction	\$56,980,507	\$63,747,689	978
2. K&E Excavating	\$56,960,890	\$61,368,137	809

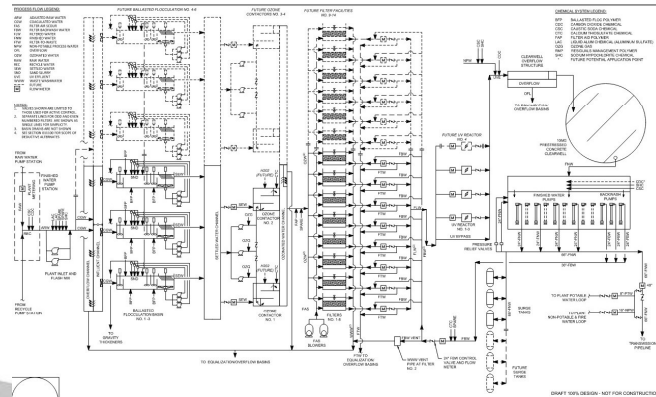
- Sundt Construction (teamed with Goodfellow Brothers) had extensive experience similar to the SOW for the WTP

- Goodfellow Brothers did earthwork for the new PGE Emergency Operations facility

Best Value Work Package: Process Integration

- Process Integration package includes
 - Installation of all process equipment
 - Installation of all above ground process piping

- Three responsive bidders
 - McClure & Sons
 - BMWC
 - Sundt Construction



Bid Results for Process Integration

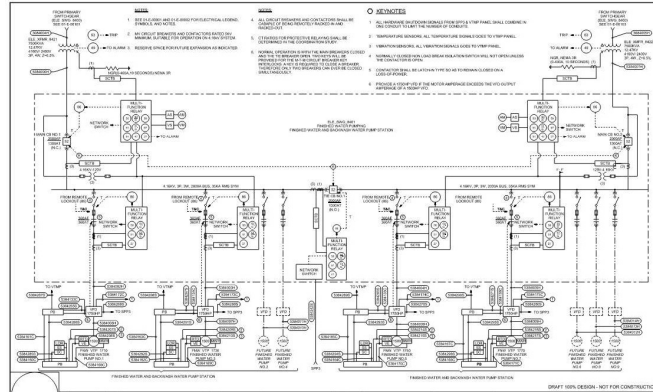
Bidders	Bid	After Bid leveling	Total Score
1. Sundt Construction	\$42,402,340	\$46,859,149	1000
2. McClure & Sons	\$48,905,564	\$51,851,105	753
3. BMWC	\$53,539,753	\$61,843,116	611

- Sundt Construction had extensive experience similar to the SOW for the WTP

Best Value Work Package: Electrical

- Process Integration package includes
 - Electrical
 - Instrumentation
 - Security

- Five responsive bidders
 - Cherry City Electric
 - Cupertino Electric
 - EC Electric
 - OEG
 - Valley Electric



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Bid Results for Process Integration

Bidders	Bid	After Bid leveling	Total Score
1. Cherry City Electric	\$55,496,500	\$54,611,609	813
2. Cupertino Electric	\$41,183,019	\$44,018,848	907
3. EC Electric	\$42,212,412	\$42,447,776	980
4. OEG	\$46,274,689	\$44,983,029	945
5. Valley Electric	\$58,041,274	\$59,135,977	817

- EC Electric lowest after bid leveling and also had the highest total score

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WTP_1.0 GMP 1*

Component	Amount
Work Packages	\$317,380,127
General Conditions, Bonds, Insurance, and Taxes	\$33,586,423
CM/GC Fee Non Self-Performed Work (3.5%)	\$5,127,310
CM/GC Fee Self-Performed Work (9.0%)	\$18,402,478
CM/GC Contingency (3%)	\$9,521,404
Allowances	\$3,861,428
Owner's Contingency (5%)	\$15,869,006
Escalation/De-escalation Contingency (1.5%)	\$4,760,702
Negotiated Package Reduction	(\$3,000,000)
Total	\$405,508,878

*Final GMP excludes tree clearing, permitting allowance, PGE, and Pre-Construction Services fees that are included in the construction budget for Baseline 7.0 Official Release

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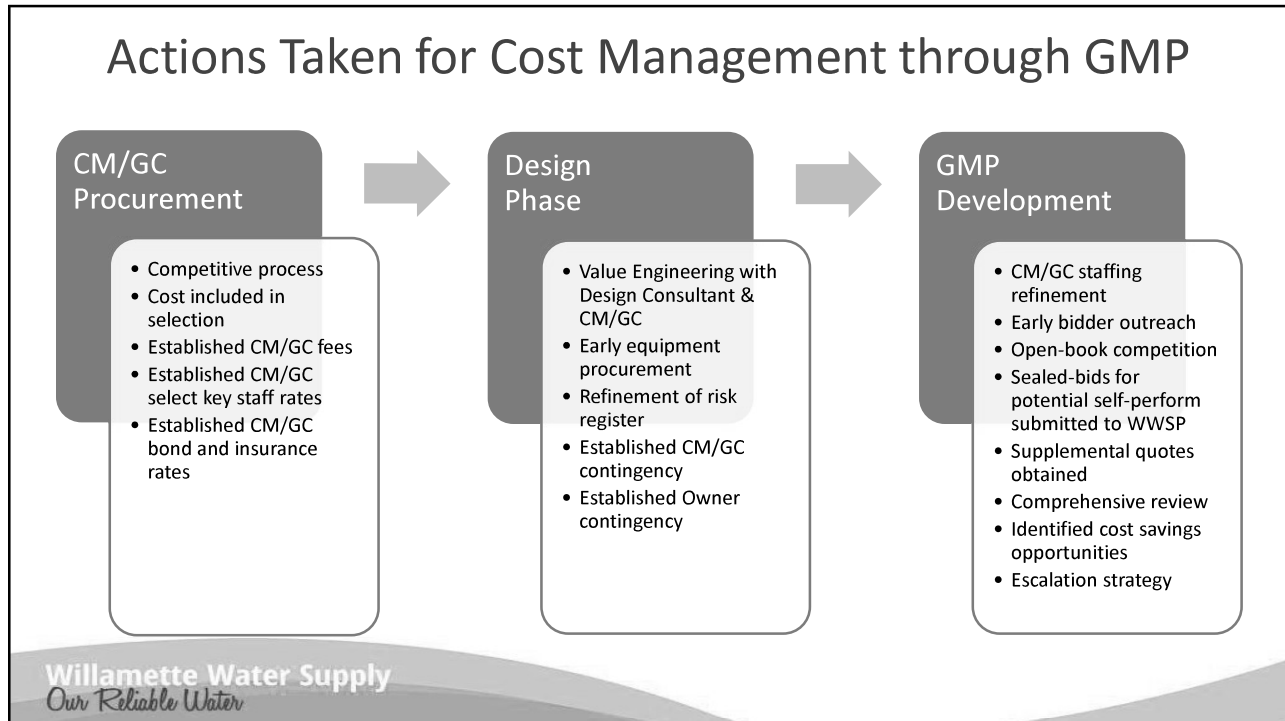
19

Budget

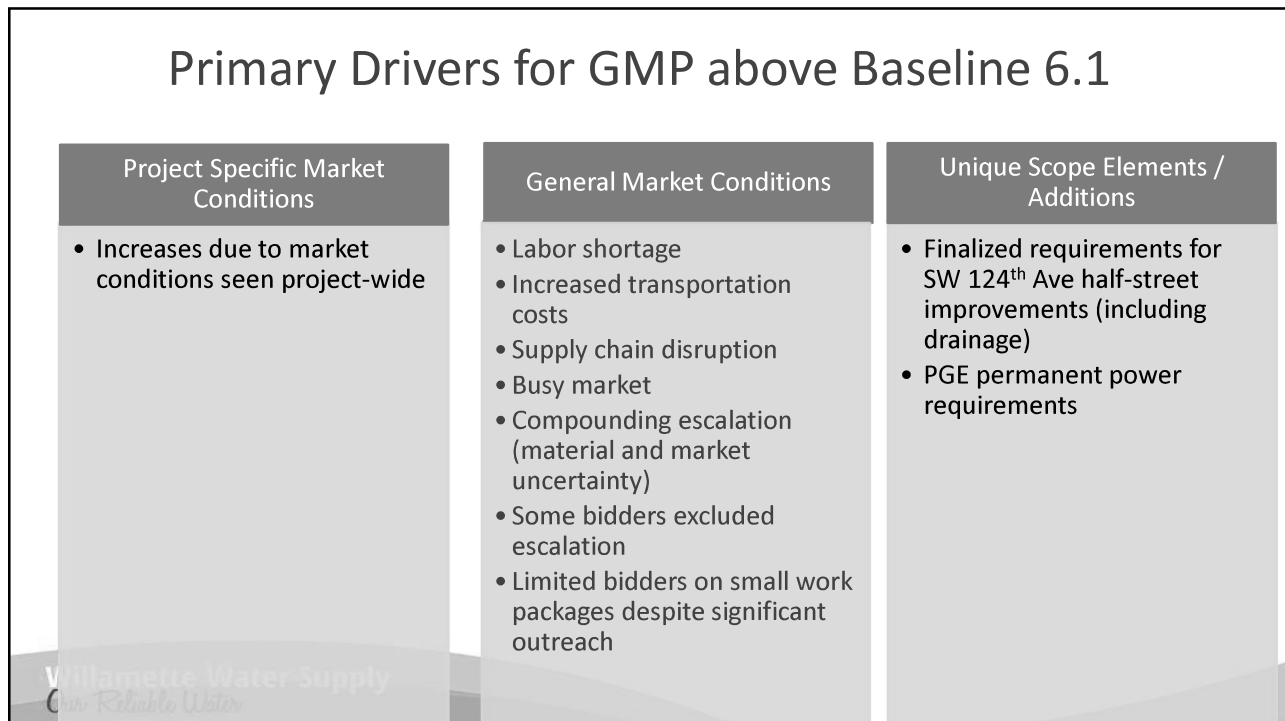
Cost Item	Total
Baseline 6.1	\$262,136,182
Baseline 7.0 (official release)	\$421,727,174
GMP No. 1	\$405,508,878
Project-level contingency (3%)	\$12,734,408
Total Estimated Construction Cost for GMP No. 1	\$418,243,286

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QUESTIONS?

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3.A. Requested Board Action

Consider approving a change to the Sundt Construction contract (Contract 2018-015) in the amount of \$405,508,878 to incorporate Guaranteed Maximum Price No. 1 for the construction of the WTP_1.0 project of the Willamette Water Supply Program.

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**Willamette Water Supply System Commission
Special Board Meeting**

February 17, 2022
