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*Santa Clara Valley Water District*  
*Notification of this Addendum is transmitted via email to all current plan holders.*  
*This Addendum is posted on the Valley Water website at*  
*<https://www.valleywater.org/construction>*

January 22, 2021

**ADDENDUM NO. 1**  
**TO CONTRACT DOCUMENTS FOR THE**  
**PWTP – REHABILITATION OF FLOCCULATION AND SEDIMENT BASINS PROJECT**  
**Project No. 93764004    Contract No. C0664**

Notice is hereby given to Prospective Bidders that the Contract Documents are modified as hereinafter set forth.

**BID DOCUMENTS**

**NOTICE TO BIDDERS**

1. **REPLACE** Paragraph 7, Contractor's License Requirement, in its entirety with the following:  
  
Contractor's License Requirement. The Bidder must possess a current Class A **and Class C10** Contractor's license issued by the California Department of Consumer Affairs, Contractor's State License Board when the Bid is submitted. Regardless of whether a subcontractor must be identified at the time of Bid, each subcontractor must also be properly licensed to perform its scope of Work.

**INSTRUCTION TO BIDDERS**

2. **REPLACE** Paragraph 21, Award of Contract, sub-paragraph B, in its entirety with the following:  
  
"B. The Contract, if awarded, will be to a responsible Bidder, submitting the lowest responsive Bid. The award, if made, will be within 60 calendar days after the opening of the Proposals.  
  
If the lowest responsible Bidder refuses or fails to execute the Contract, the award may be made to the second lowest responsible Bidder. The award, if made, will be within 90 calendar days after the opening of the proposals. If the second lowest responsible Bidder refuses or fails to execute the Contract, the Contract may be

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awarded to the third lowest responsible Bidder. The award, if made, will be made within 120 calendar days after the opening the proposals.”

## **SPECIFICATIONS AND CONTRACT DOCUMENTS**

### **STANDARD PROVISIONS**

3. **ADD** the following on Section 3, Scope of Work:

**“3.17. Choice of Law and Venue**

A. The Parties agree that this Agreement is to be governed, construed and enforced in accordance with the laws of the State of California. The Parties also agree that the venue of any litigation arising out of or connected with this Agreement will lie exclusively in the state trial court or Federal District Court located in Santa Clara County in the State of California. The Parties consent to jurisdiction over their persons and over the subject matter of any such litigation in such courts, and consent to service of process issued by such courts.”

4. **ADD** the following under Article 4.02. Equal Opportunity Requirements:

**“C. Investigations of Claims**

Contractor must designate a specific position within its organization to be responsible for assuring nondiscrimination and non-harassment as provided in this Agreement. Contractor must investigate all complaints directed to it by District. District will refer complaints in writing and Contractor will advise District in writing when such investigations are concluded. The scope of such investigations must include all appropriate officers, employees, and agents of Contractor as well as all consultants, subcontractors, Subconsultants, and material suppliers of Contractor. In cases where such investigation results in a finding of discrimination, harassment, or hostile work environment, Contractor must take prompt, effective disciplinary action against the offender.”

### **SPECIAL PROVISIONS**

5. **ADD** the following under Article 14.16.04. Required Coverages:

**“F. Builders’ Risk (Course of Construction) Insurance**

1. Covering all risks of loss less policy exclusions for an amount equal to the completed value of the Project with no coinsurance penalty provisions.
2. The Contractor’s coverage shall provide the following:
  - a. Coverage shall be provided on an “all-risk” or “special forms” basis (including perils of earthquake and flood, unless waived by the District’s Risk Manager), including coverage for “soft costs” such as design, engineering, and construction management fees.

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- b. Coverage shall be provided on the work and Materials which are the subject to this Contract, whether in process or manufactured or finished, including “in transit” coverage to the final agreed upon destination of delivery, and including loading and unloading operations, and such coverage shall be in force until the work and Materials are accepted by the District’s Board of Directors.
  - c. Builder’s Risk policy shall name Santa Clara Valley Water District as loss payee and additional insured as its interests may appear at the time of the loss.
  - d. Deductible shall not exceed \$25,000 per occurrence and shall be borne by the Contractor, except that higher deductibles for earthquake and flood may be approved by the District’s Risk Manager.
  - e. Loss, if any, shall be adjustable with and payable to the District as trustees for all entities having an insurable interest, except in cases as may require payment of all or a proportion of such insurance to be made to a mortgagee as its interest may appear.
  - f. The insurer shall agree to waive all rights of subrogation against the District.
  - g. If the Contractor fails to maintain such insurance as is called for herein, the District, at its option, may order the Contractor to suspend work at Contractor’s expense until a new policy of insurance is in effect and on file with the District’s project manager.
  - h. The policy shall provide Santa Clara Valley Water District the right to occupy the premises without termination of the policy until final acceptance of the project.”
6. **REPLACE** the “Checklist of Documents Needed” table found on page 14-22 in its entirety with Attachment no. 1, “Revised Checklist of Documents Needed”.
7. **ADD** the following under Article 21.01.03. Supplemental Work:
- “E. If Supplemental Bid 14 is implemented, additional days will be granted through a negotiated change order.”
8. **REPLACE** Article 22.02. Guarantee and Guaranty Bond, paragraph A in its entirety with the following:
- “A. Refer to Standard Provisions Article 11.02. Guarantee and Guaranty Bond for requirements.”

## TECHNICAL PROVISIONS

9. **DELETE** Article 34.12.2.01.R. Preformed Channel Pipe Support in its entirety.
10. **REPLACE** Article 34.12, Horizontal and Transverse Flocculators, paragraph 2.01.Q Baffle Walls, item no. 1. in its entirety with the following:
- “1. A total of twelve (12) stainless steel baffle walls shall be provided, as shown on the contract drawings. Each baffle wall will be **10’ tall** x 32’, divided into three sections, long and designed for a maximum 2” head differential. Each basin shall contain three (3) baffle walls extending across the width of each basin.”
11. **REPLACE** Article 34.27, Rectangular Clarifier Sludge Removal Equipment, paragraph 2.01.D Collector Chain and Sprockets and Shafting, item no. 2. in its entirety with the following:
- “2. The longitudinal collector chain shall be non-metallic **NM 720S**, manufactured from Nylon 6/6 material with T- 304 stainless steel pins and a working load limit of 1,740 lbs.”
12. **REPLACE** Article 34.27, Rectangular Clarifier Sludge Removal Equipment, paragraph 2.01.D. Collector Chain and Sprockets and Shafting, item no. 3 in its entirety with the following:
- “3. The drive sprocket shall consist of a machined stainless-steel sprocket hub with UHMW-PE sprocket teeth machined to accurately engage drive chain. Driven sprockets shall consist of a split machined cast iron sprocket hub with segmental UHMW-PE teeth machined to accurately engage drive chain. **The new head shaft sprockets shall be 40T, new collector sprockets shall be 23T, and new idler sprockets shall be 19T.**”
13. **REPLACE** Article 34.27, Rectangular Clarifier Sludge Removal Equipment, paragraph 2.01.D. Collector Chain and Sprockets and Shafting, item no. 6 in its entirety with the following:
- “6. Sprocket shall be equipped with a shear pin, designed to provide a torque overload protection for the drive. Upon shear pin failure, a trip lug shall pop out of the sprocket. This trip lug will engage the lever arm of a limit switch. The limit switch will send a signal to shut off the drive. **Supplied torque limiter can be either type: shear pin, or ball and detent type. The same type shall be supplied for all equipment. Different types are not allowed.**”
14. **REPLACE** Article 34.27, Rectangular Clarifier Sludge Removal Equipment, paragraph 2.01.H. Longitudinal Collector Drive Units, item no. 1.i., in its entirety with the following:
- “i. All exposed rotating components of the equipment drive chain and sprockets, couplings, etc. shall be protected by **304 Stainless** steel guards, arranged to provide easy access to components. All such guards shall be secured using 316 stainless steel hardware.
15. **DELETE** Article 34.27.2.01.B in its entirety and indicate “Not Used”.

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16. REPLACE Article 34.27.2.01.L in its entirety with the following:

“L. Equipment manufacturers shall be JMS (John Myers & Sons), **Enviropax, Westech, Polychem Corporation, or approved equal**

17. **REPLACE** Article 34.28.2.01.B in its entirety with the following:

“B. All equipment shall be manufactured by **either Enviropax, Brentwood industries, Inc., or approved equal.**”

## **CONSTRUCTION MAP AND PLAN**

### **DRAWINGS**

18. On drawing Sheet D-01, Elevation View Section O, **REMOVE** the diagonal dash line in the guard rails. The guard rails shall not be demolished or removed.

**Note:** No revise drawings on Sheet D-01 will be provided on this addendum.

19. On Drawing M-04, under Section A, **REPLACE** note that starts with “New Bracket, fabricated to match...”, in its entirety with the following:

“New Bracket, fabricated to match existing walkway thickness”

**Note:** No revise drawings on Sheet M-04 will be provided on this addendum.

20. On Drawing M-04, under Notes, **REPLACE** note no.1 in its entirety with the following:

“1. New Pipe Thimbles shall be embedded in new concrete wall section per **Drawing Detail 1 on Sheet M-03.**”

**Note:** No revise drawings on Sheet M-04 will be provided on this addendum.

## **GENERAL QUESTIONS & RESPONSE**

**QUESTION 1:** (Date Received: January 4, 2021)

Under Article 34.27 – Rectangular Clarifier Sludge Removal Equipment, paragraph 1.04.F requires the system components to be certified under NSF Standard 61 for direct contact with drinking water. Fairfield has begun the certification process, but I don’t have an estimated time of completion at this time. If we were able to get certification before delivery of parts to the site, would this be acceptable to Valley Water so we could bid to installing contractors?

**RESPONSE 1:**

All materials must comply with the contract requirements.

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**QUESTION 2:** (Date Received – January 6, 2021)

Just wondering if you have an update on approximate start date. We have a full backlog through the end of March so a start date before then will not work with our Ops Team's schedule and we would decline to bid.

**RESPONSE 2:**

Please refer to Article 12.03 Contract Time(s) and Table 12.03-1, Tentative/Estimated Schedule of Work for Milestones.

**QUESTION 3:** (Date Received – January 6, 2021)

The requirement listed in section 20.04.02 Contractor's Quality Control Staffing Requirements seems a bit over kill for this type and size of a project. For the money it cost to staff this person I doubt the district will gain anything other than driving up the cost of this project I would ask that they reconsider this requirement.

**RESPONSE 3:**

Quality Control staffing shall be required as specified in Article 20.04.02 of the specifications.

**QUESTION 4:** (Date Received – January 6, 2021)

The milestones are adequate for the mechanical portion of the work however if we sand blast have to repair and coat the concrete, we may need more time depending on the weather, the extent of concrete repair and preparation work example. I would ask that the LD's associated be limited to mechanical work only.

**RESPONSE 4:**

Please refer to item no. 7 of addendum no. 1.

**QUESTION 5:** (Date Received – January 8, 2021)

Section 11.02.01 Guarantee, paragraph B. states there will be a 3 year guarantee required. Paragraph C calls for a Guaranty Bond for this period. However, in Section 22.02 Guarantee and Guaranty Bond, paragraph A. it states there are no special requirements and Section 14.16.04 Required (Insurance) Coverages D. Surety Bonds only lists Bid Bond, Performance Bond, and Payment Bond are required. Can you please clarify if a 3 year Guaranty Bond will be required?

**RESPONSE 5:**

Please see Item 8 of Addendum No. 1. Yes. A three-year guarantee Bond is required for this project.

**QUESTION 6:** (Date Received – January 8, 2021)

Will there be a Builder's Risk policy required for this contract? Section 14 Checklist of Documents Needed shows a \$0 value next to this policy and there is no mention of it elsewhere in Section 14. However, Section 17.03 Security Requirements at Job Site,

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paragraph A. shows a requirement that implies obtaining insurance similar to or matching a Builder's Risk policy. Please provide clarification.

**RESPONSE 6:**

Please see Item Nos. 5 and 6 of addendum No. 1.

**QUESTION 7:** (Date Received – January 8, 2021)

In reference to Contract Drawing, E-02, Sheet number 20 of 24: The Partial Single Line Diagram contains a bold line from MCC P1S to Sludge Collector Motors, representing new conductors from MCC P1S to each of the three (3) new motors.

In reference to Contract Drawing, E-05, Sheet number 23 of 24: The photo of the sludge collector motor calls out for "Conduit to Remain, TYP See Note 3." Note 3 directs the extension or modification of existing conduit and wire as applicable to reconnect to new equipment and enclosures.

Please clarify whether the District intent is for new conductors installed in existing conduit "P3" (per E-02 Conduit Schedule) from MCC P1S to each new motor, or to reuse the existing conductors and splice/extend if necessary.

**RESPONSE 7:**

Replace existing conduit with all new conduits.

**QUESTION 8:** (Date Received – January 8, 2021)

D-01, section O, shows what appears to be handrail demo. Please clarify if this is correct and required.

**RESPONSE 8:**

Please see item no. 18 of addendum no. 1.

**QUESTION 9:** (Date Received – January 8, 2021)

Referencing M-02, do the effluent troughs and weirs get replaced?

**RESPONSE 9:**

The effluent troughs and weirs will not be replaced.

**QUESTION 10:** (Date Received – January 8, 2021)

Referencing M-04, Section A, please verify where the increased thickness 1'-2" walkway comes from.

**RESPONSE 10:**

Please see item no. 19 of addendum no. 1.

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**QUESTION 11:** (Date Received – January 8, 2021)

Referencing M-04, NOTE 1 says new pipe thimbles shall be embedded in the new concrete wall per Section A on drawings M-XX. Please clarify.

**RESPONSE 11:**

Please see item no. 20 of addendum no. 1

**QUESTION 12:** (Date Received – January 8, 2021)

What is the weight of the rapid mixers?

**RESPONSE 12:**

Total Mixer weight Approx. 4,200 lbs. each.

**QUESTION 13:** (Date Received – January 8, 2021)

Can you please provide some information on allowable point loads around the perimeter of the basins?

**RESPONSE 13:**

Please refer drawing sheet G-05 for possible crane locations.

**QUESTION 14:** (Date Received – January 8, 2021)

Can you please provide the existing conduit schedule, As-Built drawings for the MCC and existing Rake Drive control panel, and interior photos of the MCC and control panel if available.

**RESPONSE 14:**

See Attachment No. 2, As – Built, of this addendum no. 1.

**QUESTION 15:** (Date Received: January 10, 2021)

Under Article 34.27, Rectangular Clarifier Sludge Removal Equipment, Paragraph 2.01D.2 specifies the collector chain to be NH-78 nonmetallic chain. However, this is a drive chain, which is not large enough to support the scraper flights specified in Paragraph 2.01.F. Also, it is not strong enough to handle the sludge loads specified in Paragraph 2.01.C.2. The industry standard for nonmetallic collector chain is NCS720S, which has a rated working load of 5,000 lbs. and vertical paddle-style attachments to hold the flights (catalog cut attached). Please confirm which chain is to be supplied.

**RESPONSE 15:**

Please see item no. 11 of this addendum no. 1.

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**QUESTION 17:** (Date Received: January 10, 2021)

Under Article 34.27, Rectangular Clarifier Sludge Removal Equipment, Paragraph 2.01.D.3 specifies the type of drive and driven sprockets but does not specify number of teeth. The industry standard for the drive sprocket is 11 teeth, and the driven sprocket uses 40 teeth. Please confirm that these numbers of teeth are to be supplied.

**RESPONSE 17:**

Please see item no. 12 of this addendum no. 1.

**QUESTION 18:** (Date Received: January 10, 2021)

Under Article 34.27, Rectangular Clarifier Sludge Removal Equipment, Paragraph 2.01.D.6 specifies a shear pin style sprocket to be provided. However, this is in conflict with Section 2.01.H.1.d which specifies a ball-detent style torque limiter, which is a different type altogether. Please confirm which type of safety device is to be supplied.

**RESPONSE 18:**

Please see item no. 13 of this addendum no. 1.

**QUESTION 19:** (Date Received: January 10, 2021)

Under Article 34.27, Rectangular Clarifier Sludge Removal Equipment, Paragraph 2.01.D.8 specifies a chain guard made out of Type 304 stainless steel. However, this is in conflict with Section 2.01.H.1.i which specifies a galvanized steel chain guard. The industry standard is to use Type 304 stainless, which provides better corrosion resistance. Please confirm which material is to be used.

**RESPONSE 19:**

Please see item no. 14 of this addendum no. 1.

**QUESTION 20:** (Date Received: January 10, 2021)

Under Article 34.27, Rectangular Clarifier Sludge Removal Equipment, Paragraph 2.01.D specifies the drive and driven sprockets, but there is no mention of the collector sprockets. It is good practice to replace the collector sprockets at the same time as the collector chain so that they wear properly and in a predictable manner. The industry standard for headshaft collector sprockets is a 23 tooth split design and a 17 tooth split design for the idler shafts. Both are made out of cast nylon. Please confirm that collector sprockets are to be provided, the material to be used, and the number of teeth.

**RESPONSE 20:**

Please see item no. 12 of this addendum no. 1

**QUESTION 21:** (Date Received: January 10, 2021)

Under Article 34.27, Rectangular Clarifier Sludge Removal Equipment, Paragraph 2.01.F.1 specifies the flight hardware to be 0.5 in diameter. The industry standard is 0.38 in diameter, and all of our collector chain attachments and filler blocks are sized for that. Please confirm that 0.38 in diameter mounting hardware can be supplied.

**RESPONSE 21:**

Flight Hardware shall be compatible with 7/16" Diameter shoe holes. ½-inch or 0.38 inch in diameter are acceptable.

**QUESTION 22:** (Date Received: January 10, 2021)

When will all of these questions be answered? How will they be distributed?

**RESPONSE 22:**

Valley Water will notify all planholders through email and all questions and answers will be posted on Valley Water website.

**QUESTION 23:** (Date Received: January 11, 2021)

Will additional, trade-specific specifications be released before the bid day. Information is required for Equipment supply, electrical subcontractors, etc....? (Only general condition requirements have been released).

**RESPONSE 23:**

Please see item no. 1 of this addendum no. 1

**QUESTION 24:** (Date Received: January 11, 2021)

Please advise of any information regarding the specification for new equipment to be supplied. Not enough information included to price out equipment.

**RESPONSE 24:**

See Attachment No. 2, As – Built, of this addendum no. 1.

**QUESTION 25:** (Date Received: January 14, 2021)

Please provide Product Data and Detail Drawings for Existing Tube Settlers, exhibiting dimensions of tube settler box pieces and weights.

**RESPONSE 25:**

Existing tube settlers will be replaced by the information indicated under Article 34.28, paragraph 1.07, Design Basis of Tube Settlers. Information for the existing tube settlers is not necessary on this contract.

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**QUESTION 26:** (Date Received: January 14, 2021)

Per specifications 18.02. Hours of Work. Work hours are from 8:00 am to 5:00 pm Monday through Friday with no work being performed on Saturday or Sunday.

With the accelerated milestone durations set forth in the specifications and the limited time during the wet weather season we are given to complete the shut down work in the Flocculation Basins and the Sedimentation Basins. 45 Calendar days is not enough time to accomplish the work during 8 hour days, especially the time it may take to remove the existing epoxy, fix any blemishes or holidays, and the option of having to recoat with epoxy.

Is the district willing to extend the total job duration by another shutdown season and extend the milestones with enough time to perform the work per plans and specifications in each basin, or would you prefer the contractor to accelerate working Extended hours & days or even possibly double shifts with multiple crews to achieve these milestones. If the latter is the option, is the district covering the overtime of the onsite inspector?

**RESPONSE 26:**

Please see item 7 of addendum no. 1.

**QUESTION 27:** (Date Received: January 18, 2021)

Please clarify if Article 34.12 Par. 2.01.R “Preformed Channel Pipe Support” system is required. Unable to locate on the plans.

**RESPONSE 27:**

Please see item no. 9 of addendum no. 1.

**QUESTION 28:** (Date Received: January 18, 2021)

Article 34.12 Par. 2.01.Q.1 shows “Each baffle wall will be 19’ x 32’...”. This does not match plans. Please clarify.

**RESPONSE 28:**

Please see item no. 10 of addendum no. 1.

**QUESTION 29:** (Date Received: January 18, 2021)

Article 34.12 Par. 2.01.O.3 shows that equipment manufacturer will supply a steel wall sleeve with water stop for each stuffing box. Two sets of link seals will be provided for each wall sleeve. Please clarify as this does not match the stuffing box Detail 1 on Sheet M-03 as no sleeve or link seals are shown.

**RESPONSE 29:**

The equipment will be as specified on Article 34.12, paragraph 2.01.O.3.

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**QUESTION 30:** (Date Received: January 18, 2021)

Article 34.27 Par. 2.01.B shows equipment shall be manufactured by Jim Myers and sons (JMS), Envirotech, Westech or Equal. Par. 2.01.L shows JMS (John Myers & Sons), Envirex, FMC Corp., Polychem Corp. or Equal. Please clarify.

**RESPONSE 30:**

Please see item nos. 15 and 16 of addendum no. 1.

**QUESTION 31:** (Date Received: January 18, 2021)

Sheet M-04 Note 1. Shows new pipe thimbles shall be embedded in new concrete wall section per Section A on Drawing M-XX. Please provide detail.

**RESPONSE 31:**

Please see item no. 20 of addendum no. 1.

**QUESTION 32:** (Date Received: January 18, 2021)

Sheet M-06 shows "New Ported Wall Typ". Please clarify if required. Please provide details if required.

**RESPONSE 32:**

The New Ported Wall is not required.

**QUESTION 33:** (Date Received: January 18, 2021)

Please provide Product Data and Detail Drawings for Existing Rapid Mixers. Please advise whether existing anchorage is to be reused or new anchorage is to be installed.

**RESPONSE 33:**

All existing anchorages and hardwares will be re-used.

**QUESTION 34:** (Date Received: January 18, 2021)

Section 34.28 – Tube Settlers – 2.01B: please correct "Envirotech" with "Enviropax".

I believe this was a simple clerical error. It should be noted that neither JMS or WesTech can supply tube settler media. Currently, the only listed manufacturer that can provide the equipment in this specification section is Brentwood Industries. Given the city's desire for a competitive bid, I thought that I would highlight this fact.

**RESPONSE 34:**

Please see item no. 17 of addendum no. 1

THIS ADDENDUM NO. 1, WHICH CONTAINS 13 PAGES AND 2 ATTACHMENTS (16 PAGES), IS ATTACHED TO AND IS A PART OF THE SPECIFICATIONS AND CONTRACT DOCUMENTS FOR THIS PROJECT.

DocuSigned by:

*Greg Williams*

Date: 1/22/2021

A91C939814934F3  
Gregory Williams, P.E.  
Interim Deputy Operating Officer  
Raw Water Division

Enclosure(s): Attachment No. 1: Revised Checklist of Documents Needed  
Attachment No. 2: As-Built Electrical Flocc and Sed 2021

## Special Requirements

## Section 14

**REVISED CHECKLIST OF DOCUMENTS NEEDED**

The following checklist is a summary of generally required insurance documents that may be used as guidance.

<b>General Liability:</b>	A.	Limits <b>(\$5,000,000)</b>	
	B.	Additional Insured (Endorsement)	
	C.	Waiver of Subrogation (COI, Endorsement or policy language)	
	D.	Primacy (COI, Endorsement or policy language)	
	E.	Cancellation Endorsement	

<b>Auto Liability:</b>	A.	Limits <b>(\$2,000,000)</b>	
	B.	Additional Insured (Endorsement)	
	C.	Waiver of Subrogation (COI, Endorsement or policy language)	
	D.	Primacy (COI, Endorsement or policy language)	
	E.	Cancellation Endorsement	

<b>Umbrella (optional): Not Used.</b>	A.	Limits <b>(\$0)</b>	
	B.	Primacy (Endorsement or policy language)	

<b>Workers Comp:</b>	A.	Limits <b>(\$1,000,000)</b>	
	B.	Waiver of Subrogation (Endorsement or policy language)	
	C.	Cancellation Endorsement	



<b>Builder's Risk:</b>	A.	Limits <b>(Completed Value of the Project)</b>	
	B.	Additional Insured (Endorsement)	
	C.	Waiver of Subrogation (COI, Endorsement or policy language)	
	D.	Cancellation Endorsement	

<b>Professional Liability:</b>	A.	Limits <b>(\$2,000,000)</b>	
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<b>Pollution Legal Liability:</b>	A.	Limits <b>(Not Required)</b>	
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## Attachment No. 2\_As-Built\_Electrical Floc and Sed 2021

## CONDUIT SCHEDULE

<u>TAG NO.</u>	<u>CONDUIT SIZE</u>	<u>FILL</u>	<u>FUNCTION/TERMINATIONS</u>
D01	4	EMPTY	PRIMARY SERVICE POLE TO MAIN TRANSFORMER
S02	5	EMPTY	MAIN TRANSFORMER TO MAIN SWGR
P03			DELETED
P04	2-1/2	3#4/0	MAIN SWGR. TO MCC CN
P05	3-1/2	3#500 MCM	MAIN SWGR. TO MCC SN
P06	3-1/2	3#500 MCM	MCC US TO MCC <del>SE</del> CS 
P07	1-1/4	3#2	MCC US TO PB CA
P08	1	3#6	MCC US TO PB CB
P09	1	2#4	MCC UN TO PB CC
P10	1	3#4	MCC US TO PB S
P11	3/4	3#12	MCC US TO CLEARWELL CONT. VALVE
P12	3/4	2#14	RWS PUMP TO SOLIDS CONC. BUILDING.
P13	1	3#12 & 5#14	MCC SN TO DRYING BED PUMP
P14	3/4	3#12	MCC US TO ENTRANCE GATE OPERATOR
P15	3/4	3#12 & 3#14	MCC US TO DOM. WATER PUMP NO. 1 (2)
P16	3/4	3#12	MCC US TO EAST PIPELINE VALVE OPER.
P17	3/4	3#12 & 2#14	MCC US TO FINISHED WATER SAMPLE PUMP
P18	3/4	3#12 & 2#14	MCC UN TO RWS PUMP
P19	1-1/4	3#4 & 9#14	MCC UN TO WASH WATER REC. PUMP NO.1
P20	1-1/2	3#1	MCC US TO PLANT WATER PUMP NO. 1 (2)
P21	2-1/2	3#350 MCM	MCC BW TO BACKWASH PUMP
P22	3/4	3#12 & 2#14	MCC US TO FILTERED WATER SAMPLE PUMP
P23	1	3#12 & 8#14	MCC US TO PE 501 FEED PUMP
P24	1	3#12 & 2#14	MCC US SETTLED WATER SAMPLE PUMP
P25	1 	3#12 & <del>5</del> 8#14	MCC CS26-37 TO FLOC. NO. 1A-D, 2A-D, 3A-D
P26	3/4	3#12 & 3#12	MCC CN TO UNDERFLOW COLL. NO. 1 (2,3)
P27	3/4	3#12 & 2#14	MCC CN TO UNDERFLOW CIRC. PUMP NO. 1 (2,3)
P28	3/4	3#12 & 2#14	MCC CS TO UNSETTLED WATER SAMPLE PUMP

