



GUAM WATERWORKS AUTHORITY

Gloria B. Nelson Public Service Building • 688 Route 15, Mangilao, Guam 96913 • Tel. (671) 300-6036

Invitation To Bid: IFB-02-ENG-2019
Upgrade of the Northern District Wastewater Treatment Plant
GWA Project No. S17-003-OEA

Addendum No.: 03

Date: February 12, 2019

All Qualified Bidders:

This addendum is issued to modify the previously issued bid documents and/or given for informational purposes and is hereby made a part of the bid documents. Failure to acknowledge receipt of this addendum shall be grounds for the bidder's disqualification and rejection of the bidder's proposal.

1. Part A – Pre-Bid Meeting

The Pre-Bid Meeting notes, Pre-Bid meeting list of attendees, and the Pre-Bid presentation are attached to this addendum.

2. Part B - GWA Request For Information Response 3 to Contractor Inquiries

GWA's responses to contractor RFI inquiries are attached to this addendum.

3. Part C – Modifications to Step-1 Bid Documents

- a. Division 00100 – Invitation for Bid, and other sections of the bid documents where applicable:

Technical Proposals (Step 1) deadline has been extended from February 20, 2019 to **3:00 pm Friday, March 1, 2019.**

- b. Division 00250 – Bid Submission Requirements

On page 2, delete the **Multi-Step Bid Schedule** in its entirety and replace it with the **Multi-Step Bid Schedule** below:

Multi-Step Bid Schedule	Anticipated Dates
Advertisement for Step 1 Bid - Technical Offer for Qualifications	January 11, 2019
Step 1 Bid Information and Questionnaire Available	
Multi-Step Pre-Bid Meeting	February 6, 2019
Step 1 Technical Offer Submittal Due	March 1, 2019
Qualified Bidders List Issued	On or before March 15, 2019
Step 2 Bid – Pricing Advertisement	March 18, 2019
Step 2 Pricing Bids Submitted	May 10, 2019
Contract Award presented to CCU	May 21, 2019
Notice to Proceed	July 8, 2019
Contractor Substantial Completion	Oct. 31, 2021
Contractor Completion	Dec. 31, 2021

c. Division 00460 – Qualification Statement Questionnaire

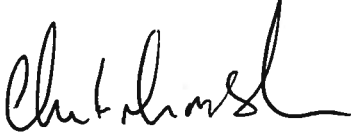
Under Item 13, delete the following phrase wherever it occurs in this section (4 places):

(and Contractor's proposed Subcontractors and Suppliers furnishing or performing Work having a value in excess of 10 percent of the total amount of the Bid),

And in the fourth paragraph delete the phrase:

(and for each proposed Subcontractor furnishing or performing Work having a value in excess of 10 percent of the total amount of the Bid).

Bidders are also notified to visit the GWA website: www.guamwaterworks.org to ensure that addenda to the bid, answers to questions, and reminders are communicated to all bidders throughout the solicitation process.


CHRISTOPHER M. BUDASI
Acting General Manager *TPC*

(Attachments)

CMB;gb



GUAM WATERWORKS AUTHORITY

Addendum No. 03

Upgrade of the Northern District Wastewater Treatment Plant

GWA Project No. S17-003-OEA

IFB-02-ENG-2019

GWA RFI Response No. 3 to Contractor Inquiries

This Addendum and/or Response to Request for Information (RFI) is issued to modify the previously issued bid documents and/or given for informational purposes and to the extent the responses below modify the bid documents, please treat them as an amendment to the Bid. The following responses are in response to RFIs received.

RFI	DATE	QUESTION/INQUIRY AS SUBMITTED:	GWA RESPONSE:
3	2/8/2019	<p>QUESTIONS:</p> <p>1. To allow sufficient time to organize a qualified and competitive team, which will result in the agency receiving competitive bids and overall pricing, we kindly request your consideration to extend the Step 1 Technical Offer Submittal Due date of February 20, 2019 by at least three (3) additional weeks, to also allow adequate time to prepare and package the required Step 1 information for the team.</p>	<p>The Step 1 Technical Offer Submittal Due Date can only be extended by 9 calendar days. Refer to Addendum 3, Part C, b., for revised Due Date.</p> <p>Note that other dates in the Multi-Step Bid Schedule have also been adjusted as shown in Part C, b.</p>
3	2/8/2019	<p>2. Item 1.16 of Section 00250 states "All bidders are reminded that they are required to submit proper proof of licensure for all types of work required by this Bid, including professional licensure and the appropriate Contractor's license, along with their Bid." Please confirm if "with their Bid" applies to Step 1 or Step 2.</p> <p>a. If Step 1, please kindly consider allowing proof of licensing for both contractors and</p>	<p>Evidence of authority to do business in the Territory of Guam; or a written covenant to obtain such license prior to submittal of the Step 2 bids will be required for the Step 1 Bid.</p> <p>If a written covenant is submitted in Step 1, evidence of Authority to do business in the Territory of Guam will be required in the Step 2 bid.</p>

		subcontractors with the Step 2 submittal.	
3	2/8/2019	<p>3. However with regard to the requirement of Item 1.16 of Section 00250, please understand that Article 7.01F of Section 00410 states "Evidence of authority to do business in the Territory of Guam; or a written covenant to obtain such license within the time for acceptance of Bids", and Item 7 of Section 00460 requires licensing information", which contradicts the aforementioned requirement. Therefore, please clarify that "a written covenant to obtain such license within the time for acceptance of Bids" is acceptable with both Step 1 and Step 2 submittals.</p>	<p>Evidence of authority to do business in the Territory of Guam; or a written covenant to obtain such license prior to submittal of the Step 2 bids will be required for the Step 1 bid.</p> <p>If the contractor submits a written covenant to obtain the license, this can be indicated under item 7 of Division 00460 in Step 1. Evidence of Authority to do business in the Territory of Guam will be required in the Step 2 bid.</p>
3	2/8/2019	<p>4. Please clarify that Section 00410 is required to be submitted in Step 2.</p>	<p>Correct. Section 00410 is required to be submitted in Step 2 and is provided here for information only.</p>
3	2/8/2019	<p>5. Please clarify that Section 00460 is required to be submitted in Step 1.</p>	<p>Correct. Section 00460 is required to be submitted in Step 1.</p>
3	2/8/2019	<p>6. Item 13 of Section 00460 requires that safety program information be provided for "Contractor's proposed Subcontractors and Suppliers furnishing or performing Work having a value in excess of 10 percent of the total amount of the Bid". As pricing will not be determined until Step 2, please clarify how Offeror's are to determine such.</p>	<p>Safety information will only be required for the prime contractor under Step 1. Refer to Addendum 3, Part C, c.</p>

Bidders are also notified to visit GWA website: www.guamwaterworks.org to ensure that addenda to the bid, answers to questions, and reminders are communicated to all bidders throughout the solicitation process.


 CHRISTOPHER M. BUDASI
 Acting General Manager 77-2



GUAM WATERWORKS AUTHORITY

IFB-02-ENG-2019

Upgrade of the Northern District Wastewater Treatment Plant (NDWWTP)
GWA Project No. S17-003-OEA

Pre-Bid Conference

February 6, 2019 – 10:00 a.m. – GPWA Procurement Conference Room

Name:	Company	Contact No.	Email Address
Owner:			
Thomas F. Cruz, P.E.	GWA Engineering	300-6036	thomas@guamwaterworks.org
Gloria Bensan	GWA Engineering	300-6042	gpbensan@guamwaterworks.org
Project Manager:			
Bill Gilman Joseph Javaria	Brown & Caldwell	300-4225 4227	Bgilman@BrwnCald.com jlavaria@brwn Caldwell.com
Jerald Johnson	Brown & Caldwell	300-4232	JJohnson2@BrwnCald.com
Cheryl Dilks	Brown & Caldwell	300-4224	Cdilks@BrwnCald.com
Design Consultant:			
Ken M. Rekdahl, P.E.	Duenas, Camacho & Associates	4777 991	KenRekdahl@Dca.org
Ron Abraham P.E. BCEE	Gresham Smith	483 1971 615 293 5951	Ron.abraham@greshamsmith.com
Other Participants:			
1. BRADW S. RYAN	6 HDIWL	472-6482	brvan.fyle@ghd.com
2. HUNTER GROOMS	HENSEL PHELPS	489.7303	HGRooms@HENSELPHELPS.com
3. NELSON DEGALA	HDCC	689-6357	ndegala@hdcc.com
4. Tom VALENTINE	HDCC	808-274-8235	tvalentine@hdcc.com

Name:	Company	Contact No.	Email Address
5. JOHN WKSWENTZ	BATEX CONSTRUCTION	046-4861	
6. DOMINIC JEON	NAN, INC.	688-2120	djeon@nanhawaii.com
7. PETER KEATNOCK	American Intz Supply	647-5061	
8. WILLIE NICOLAS	AISI	671-727-2630	willie@aisiguam.com
9. Nandagopalam J	Sunibomo Mitsui Const.	649-7521	Nanda@smcc-guam.net
10. Mark Anthony Archuleta	Sunibomo Mitsui Const. Co., Ltd	649-7521/1/24	m.archuleta@smccguam.com
11. GIL JURADO	AISI	777-5886	gil@aisiguam.com
12. Jesse Torres	Torres LLC - LAZERS	797-1101	jesse.torres@torres8.com
13. EDGAR VALENCIA	NAN INC	687-4200	evalencia@nanhawaii.com
14. Jon McDOWANS	FRONTIER SUPPLY	486-0746	jonmcf@frontiersupply.com
15. Victor Ebel C. Gonzalez	GAB construction	684-5457	vicvelgonzalez@yahoo.com
16. JOHNNY SOL	BUXK CONSTRUCTION	646-4861	juanitos@blackguam.com
17. RANDY DE LEON	BLACK CONSTRUCTION	646-4861	randyde@blackguam.com
18. GENJO DAYAG	CTI	486-6980	genjo.dayag@aretechintl.com
19. JULIUS MACALMA	JMI EDISON	646-6400	juliusmacalma@jmiguam.com
20. GILDORE, PETE	JMI EDISON	646-6400	petegildore@jmiguam.com
21. Al. Starv	Isla Coating & Roofing Supply	647-7870/1	islaroofting@guam.net
22. JOSE ARNIE BONIFACIO	BLACK CONST. Corp.	646-4861	arnie@blackguam.com
23. ROD BISMONTE	BUXK CONSTN	646-4861	rodrigob@blackguam.com
24. Hideki Fukami	OBAYASHI Corporation	488-6509	Fukami@obayashiguam.com
25. Shierly Carceres	Hensel Phelps	487-8798	carceres@henselphelps.com
26. Ken Thompson	Jacobs	303-717-5114	Ken.Thompson1@Jacobs.com



Meeting Minutes

414 W. Soledad Ave., Ste 602
Hagåtña, GU 96910

T: 671.300.4232

Prepared for: Guam Waterworks Authority (GWA)
Project Title: Upgrade of Northern District Wastewater Treatment Plant (NDWWTP)
Project No.: GWA Project No. S17-003-OEA, IFB-02-ENG-2019

Purpose of Meeting: Construction Pre-Bid Conference **Date:** February 6, 2019
Meeting Location: CCU Conference Room **Time:** 10:00 a.m.
Notes Prepared by: Brown and Caldwell (BC)

Attendees: (See attached Pre-Bid Meeting Sign-in-sheet and Presentation)

Notes

- Meeting was initiated at 10:05am
- Jerry Johnson reviewed the Prebid Meeting Agenda
- Introductions
 1. Jerry Johnson of Brown and Caldwell (BC), GWA's Program Manager, introduced the NDWWTP project team:
 - GWA – Project Owner
 - Gloria Bensan, GWA Procurement/Contract Officer
 - Dueñas, Camacho, and Associates (DCA) – Engineer of Record
 - GHD – Construction Manager
- Project Team
 1. BC is the Program Manager/Construction Manager (PMCM) for four GWA projects, which includes the NDWWTP Upgrade project.
 2. Under BC's management are:
 - DCA and their subcontractors, which include:
 - Jacobs/CH2M – Solids Design
 - Gresham Smith & Partners (GSP) – Liquids
 - TRMA – Architectural
 - EMCE – Electrical
 - GHD – Construction Manager
- Bidding Process
 1. This project is a multi-step bid that includes:
 - Step 1: Technical Submittal and Qualifications
 - This process is intended to solicit bidders' technical submittal and qualifications packages. A GWA review committee will evaluate the technical submittal and qualifications packages.
 - If a bidder is considered potentially acceptable, GWA may go back to the bidder and ask questions for clarification.
 - Meeting completion dates:
 - Completion dates are extremely important due to the Office of Economic Adjustment (OEA) grants that are funding this pro-

- ject. These grants have deadlines and the project needs to be completed before they are expired.
- In the technical submittal/qualifications package, GWA/BC/DCA are looking at how bidders will manage the schedule, risks, and potential difficulties of this project.
- Bidders need to:
 - Submit their narrative describing how bidder intends to complete the project and meet the completion dates.
 - Describe approach with detailed construction schedule.
 - Submit resumes of key personnel.
 - Complete Bidder's Qualification Statement – Section 00460 of the bid documents. A lot of information needs to be provided.
- Step 2: Pricing
 - Bidders who are deemed qualified in the Step 1 process will receive the Step 2 package, which will include the Final Design Package (drawings and specifications).
 - Note that the bid form provided in the Step 1 process is only preliminary as the final bid form is currently being developed and will be issued to qualified bidders in Step 2.
- Addendums and RFIs
 - 1. GWA has issued Addendum No. 1 which included moving this meeting date and providing directions.
 - 2. GWA has responded to one RFI which requested clarification of qualification requirements.
 - 3. GWA has received an RFI on Feb. 5, 2019, which is requesting a reduction of the qualifications. This is currently under consideration, and GWA should have a response out to Bidders within the next few days.
 - 4. Please submit all RFIs by the due date, which is on Feb. 11, 2019, or as soon as possible so that responses are provided with reasonable time for bidders.
- Project Bid Schedule
 - 1. Jerry Johnson presented milestone dates for bidding process with Substantial and Final completion dates for construction, Substantial and final completion dates are critical and firm.
 - Note that Substantial completion needs to be achieved by Oct. 31, 2021, not as shown in presentation table as 2019.
- Ken Rekdahl from DCA began presenting from this point forward.
- Permitting and Environmental
 - 1. Building Permit
 - On-going; currently clearing the Government of Guam agencies (GEPA, etc.) and expected to be approved before the contract is awarded to the successful bidders.
 - Clearance from the SHPO and PEALs board has been received.
 - 2. Project Environmental Assessment (EA)/Finding of No Significant Impact (FONSI)
 - Should receive the EA/FONSI within a day or two.
 - Project will have all its Federal clearances in advance of the contract award.
 - 3. Notice of Intent (NOI)
 - Selected contractor to apply for NOI.
 - While there is a clearing and grading phase, the subject project will also include site clearing and grading.
- Ongoing Projects

1. Clearing and Grading Work
 - A separate GWA contract with a different contractor.
 - 17 acres of clearing will be conducted for the new project area (i.e., where the secondary treatment processes will be located).
 - This project will bring the site to final grades shown on plans; it is anticipated that this contractor will be completed with this project before the vertical construction contractor begins work.
 - NTP for the Clearing and Grading project will be issued in the coming days.
2. Interceptor Upgrade
 - Not a direct impact to the NDWWTP Upgrades project, but there is an interface between the two projects.
 - Coordination between the Interceptor Upgrade project may be necessary.
3. NDWWTP Diffuser Upgrade
 - No direct impact with the NDWWTP Upgrade project, but pipes for the diffuser project may be moved to or from the existing plant.
4. Surrounding Development
 - There is a substantial amount of work surrounding the project site. For example, there is clearing to the North of the site that is currently on-going.
 - Bidders should be aware that there will be a lot of activity around the lot in the next 2 to 3 years.
- Alternate Bid Items
 1. These are deductive bid items to meet our budget if the submitted bids exceed the budgeted amount. Bidders are referred to the project specifications for further detail on how the deductive items will work.
 2. ATAD – Alternate Bid A
 3. Administration Building – Alternate Bid B
 4. Septage Receiving Station – Alternate Bid C
 5. Extended Warranty – Alternate Bid D
 - Bidders should look at specs/contract
- Project Sequencing & Operations
 1. Existing Operations
 - The plant is a Chemically Enhanced Primary Treatment (CEPT) plant that was built in the 1970s and needs to remain in operation during construction.
 - The Owner/Designer will provide a suggested sequencing plan; however, bidders will need to develop their own sequencing plan.
 - The provided sequencing plan should only be taken as a suggestion and is not the only plan that can be developed or followed.
 - Current facilities at the plant include:
 - Headworks, clarifier, digesters, plant water system, septage receiving station, centrifuges.
 - About 50% of the NDWWTP influent flow comes from the Southern Link Pump Station (SLPS)
 - This project includes work at the SLPS and will require sequencing and bypassing to keep the pump station in service.
 2. Site Yard Piping Demolition
 - Needed to keep plant in operation and is located near the dewatering facility.
 3. Southern Link Pump Station and Force-main Upgrades
 - A 27" Techite force main was constructed in the 1970's, but a 36" PVC pipe was installed in the 1990's to replace the original force main.
 - Both pipes are still present, but the 27" Techite pipe is out-of-service.
 4. Note:

- Many of the plant's facilities have redundancy and there are not a lot of anticipated challenges to bypassing existing processes, except for the SLPS.
 - Coordination with other contractors (e.g., Clearing and Grading, Interceptor, Diffuser) may be necessary.
- New Plant Site:
 1. Drawing sheets are ordered by processes.
 2. The new plant site, which is just north of the existing plant, will include:
 - Process 2 – Headworks
 - Process 3 – Oxidation Ditches
 - Process 4 – Clarifiers
 - Process 8 – RAS/WAS Pumps
 - Combined with headworks
 - Process 20 – Standby Power
 3. Because the new plant is offset from the existing plant, there is a big utility corridor between the two that contains communication and power lines.
 4. Heavy civil and storm water work will be handled by the Clearing and Grading contractor, but the successful contractor on the vertical construction is still responsible to follow the Storm Water Pollution Prevention Plan.
 5. Additional project:
 - A new water line through the northern lot adjacent to the exiting WWTP will be needed. Information on this line will be provided at a later date.
 - This new line is necessary because the existing water pressure is not adequate to serve the new plant facilities.
- Existing Site:
 1. SLPS
 - Work includes upgrading existing pumps.
 2. New UV Disinfection will be at existing chlorination building.
 3. Septage Receiving Station will be new and is called out in the drawing set.
 - The old receiving station is also shown and ties into the alternative bid approach.
 4. Digesters
 - There is sludge and grit currently in the tank. GWA has determined the current volume of sludge and grit and is working to bring it down.
 - New volume and suggested approach to remove the sludge will be provided for bid purposes.
 5. Administration Building
 - The existing administration building and laboratory are on the southern part of the plant. All facility controls are in the existing lab.
- Questions:

Note: Questions should be submitted in writing. Answers provided in this meeting are not contractually binding unless it's submitted as an RFI.

 1. Will the designer cloud the changes made between the Step 1 design package and Step 2 design package?
 - No. The designer is not proposing to cloud the changes due to the number of changes being made. However, the changes are not substantial in nature and will only add small details. Because Step 1 is soliciting technical offers and qualifications rather than price, we decided to provide the design documents without the final revisions and include the Permit Set. The intention was to advertise the Step 1 bid earlier to give more time to both the bidders and owner. Additionally, clouding all changes will make it difficult to get the Final Design set out in time.

2. Can we cloud the sheets that have changes?
 - It might jeopardize the designer's schedule.
 - The intent of this set is to get technical offers. The difference between the two design sets will not change the bidders' approach/sequence which must be provided in technical approach submittal (Step 1), but the final set may change the price.
3. Can you issue the drawings that will be changed?
 - No. The best possible solution is to provide a list (i.e., log) of items that bidders should look at again.
4. Because the Clearing and Grading contractor will bring the site to final grade, does the successful contractor need to get involved with MEC?
 - The only requirement is the 3 R's (Recognize, Retreat, Report).
 - Although the Clearing and Grading phase contractor is doing majority of the earthwork, clearing and grading is still required in this contract, but not as extensive.
5. In the Agat Wastewater Treatment Plant Upgrades project, major project components were sole sourced. Are you open to "or equal" substitutes for the NDWWTP upgrade project?
 - Bidders are encouraged to look at Article 11 of the Instruction to Bidders. Essentially, for cost estimating purposes, it is the contractor's risk to determine if a substitute product will be approved as "or equal" because the "or equal" will be determined after the contract is executed.
 - EJCDC standard language doesn't reject "or equal" substitutions but places a lot of requirements on the substitutions.
6. The existing plant was the only project that used Techite Pipe. What is the condition of the existing Techite pipe?
 - GWA/BC/DCA are aware of that and contractors should consider the following:
 - The original force main between the NDWWTP and the SLPS is a 27" Techite pipe that is about one mile long. This pipe is not compatible with the plant and it is falling apart. In the 1990s, GWA installed a 30" PVC line between the NDWWTP and SLPS. GWA doesn't want to abandon the 27" Techite pipe, because it could be used as a bypass.
 - Facility Piping:
 - Plant will require new lines, older lines will be replaced, and newer pipes that were installed in the 2000s may be kept.
7. When the project schedule was established, the H2B visa may have been an issue. Does the current schedule take into account the hardships of getting labor?
 - This plant is part of the Marine realignment and the Marine cantonment is required to discharge to a compliant treatment plant. The NDWWTP schedule is on the critical path for the Marine cantonment. GWA would like to see how the bidders account for this potential issue in the schedule.
 - GWA had a meeting with OEA, and the OEA mentioned that the new H2B restriction for Filipino workers does not apply to this project, but this has not been formalized in writing.
 - In the supplementary documents, there are letters from the Federal Government (e.g., Department of Navy) that confirms this project is for the Federal Government.
 - GWA/BC/DCA welcome feedback if the schedule appears to be unrealistic. The bidders' project approach and schedule should be realistic.

- DCA considered this hardship in the design by incorporating more double-tees throughout the site and using as many existing facilities that we could to help accelerate the construction schedule.
8. Does the Buy American Act apply?
- Yes. It is a Federally Funded project.
9. If we are buying steel/rebar from Japan or Korea, does it have to be shipped on an American Flag Ship?
- Submit this question as an RFI, as GWA/BC/DCA are currently looking into this matter.
10. What happens if the Clearing and Grading contractor does not complete their project on time?
- GWA/BC are optimistic that they will complete their project before the vertical construction of the plant begins. If not, BC will rely on their CM's expertise to keep the project within schedule.
 - Additionally, if the clearing and grading contractor is not fully complete by the vertical contract NTP, they will be completing the final stages of their project, which will be minimal and will not interfere with the vertical contractor's ability to mobilize.
 - Any potential conflict will need to be managed at that time.

Upgrade of the Northern District Wastewater Treatment Plant


IFB-02-ENG-2019

February 6, 2019





Pre-Step 1 Bid Agenda Items

- **Introductions**
 - **Project Team**
 - **Bidding Process**
 - **Project Bid Schedule**
 - **Project Overview**
 - **Permitting**
 - **Ongoing Projects**
 - **Alternate Bids**
 - **Project Sequencing/Coordination**
- 

Project Team

GUAM WATERWORKS AUTHORITY

Program Manager/Construction Manager

Construction Manager



Engineer of Record



Contractor



Bidding Process

- **Multi Step Bid**

- **Step 1 – Technical Submittal and Qualifications:**


- GWA committee will determine if the proposals and qualifications are acceptable, potentially acceptable, or unacceptable.
 - Narrative of how bidder intends to construct the project and meet the completion dates. How to manage construction risks and difficulties is encouraged.
 - Describe approach with detailed Construction schedule.
 - Resumes of key personnel.
 - Complete the Bidder Qualification Statement (Section 00460).

- **Step 2 – Pricing – Separate Package**

- Preliminary Bid Form (Section 00410).



Addendums & RFIs

- **Addendum No. 1** included moving this meeting date and providing directions to meeting places.
 - We have responded to one **RFI** – which requested clarification of qualification requirements.
 - We have one RFI Pending – asking to reduce qualifications. This is under consideration.
- 

Upgrade of the NDWWTP Implementation Schedule

Activity	Anticipated Key Dates
Advertisement to Bidders for Step 1 Bid – Technical Offer and Qualifications	Jan. 11, 2019
Pre-bid Conference	Feb. 6, 2019
Step 1 Bid RFIs Deadline	Feb. 11, 2019
Step 1 Technical Offer and Qualifications Due	Feb. 20, 2019
Qualified Bidders List Issued	March 11, 2019
Advertisement to Bidders for Step 2 Bid - Pricing	March 18, 2019
Step 2 – Pricing Bids Due	May 10, 2019
Contractor Notice to Proceed	July 8, 2019
Start Construction	July 15, 2019
Substantial Completion	Oct. 31, 2021
Final Completion – Project closeout	12/31/2021



Permitting and Environmental

- **Building Permit**
- **Project EA/FONSI**
- **NOI**






Ongoing Projects

- Clearing and grading work
- Interceptor upgrade
- NDWWTP diffuser upgrade
- Surrounding development



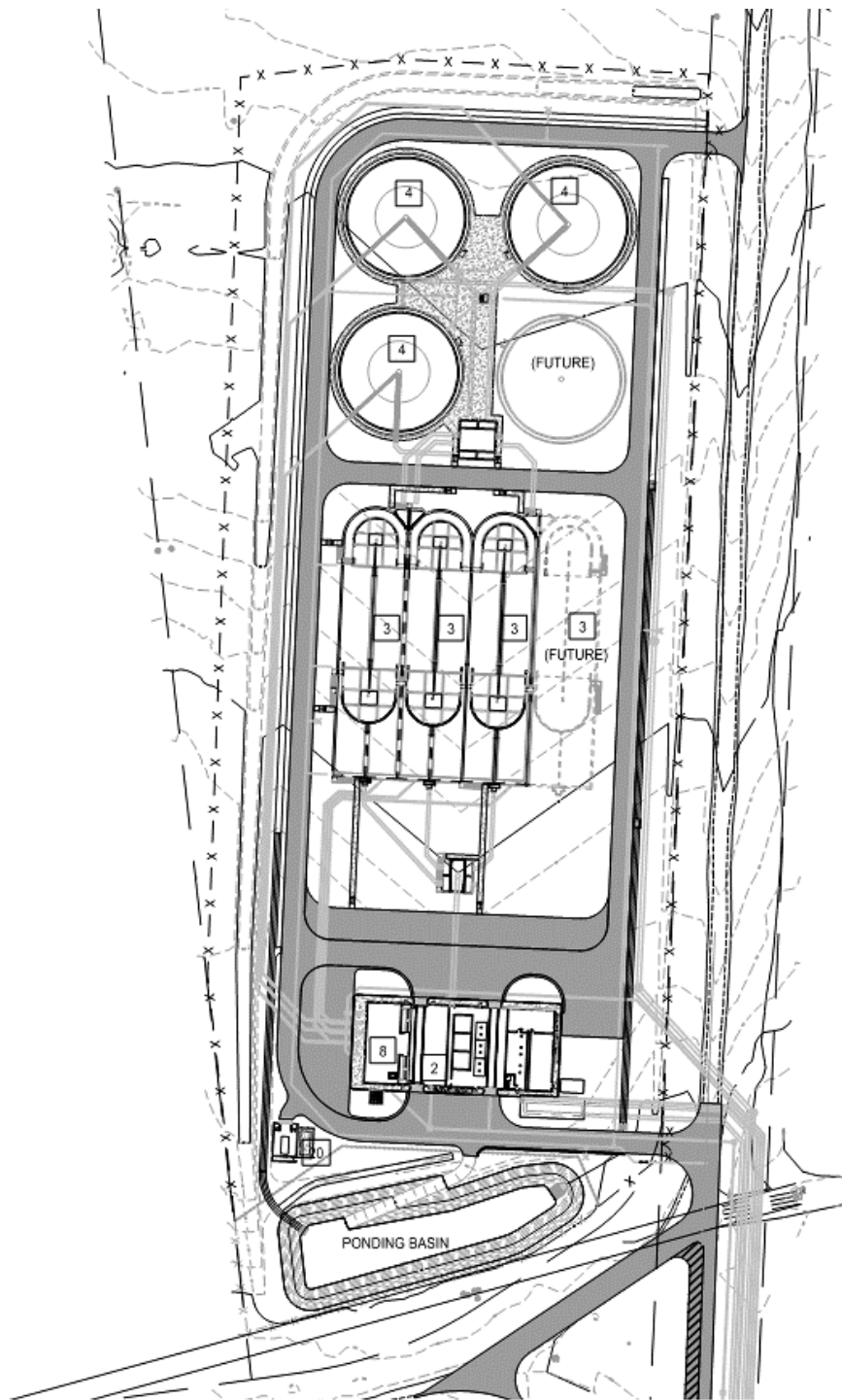


Alternate Bid Items

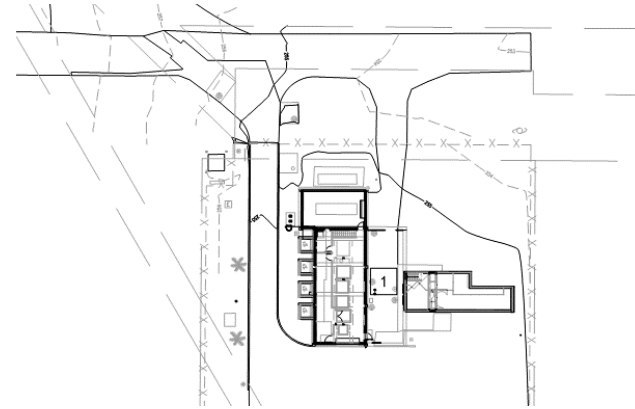
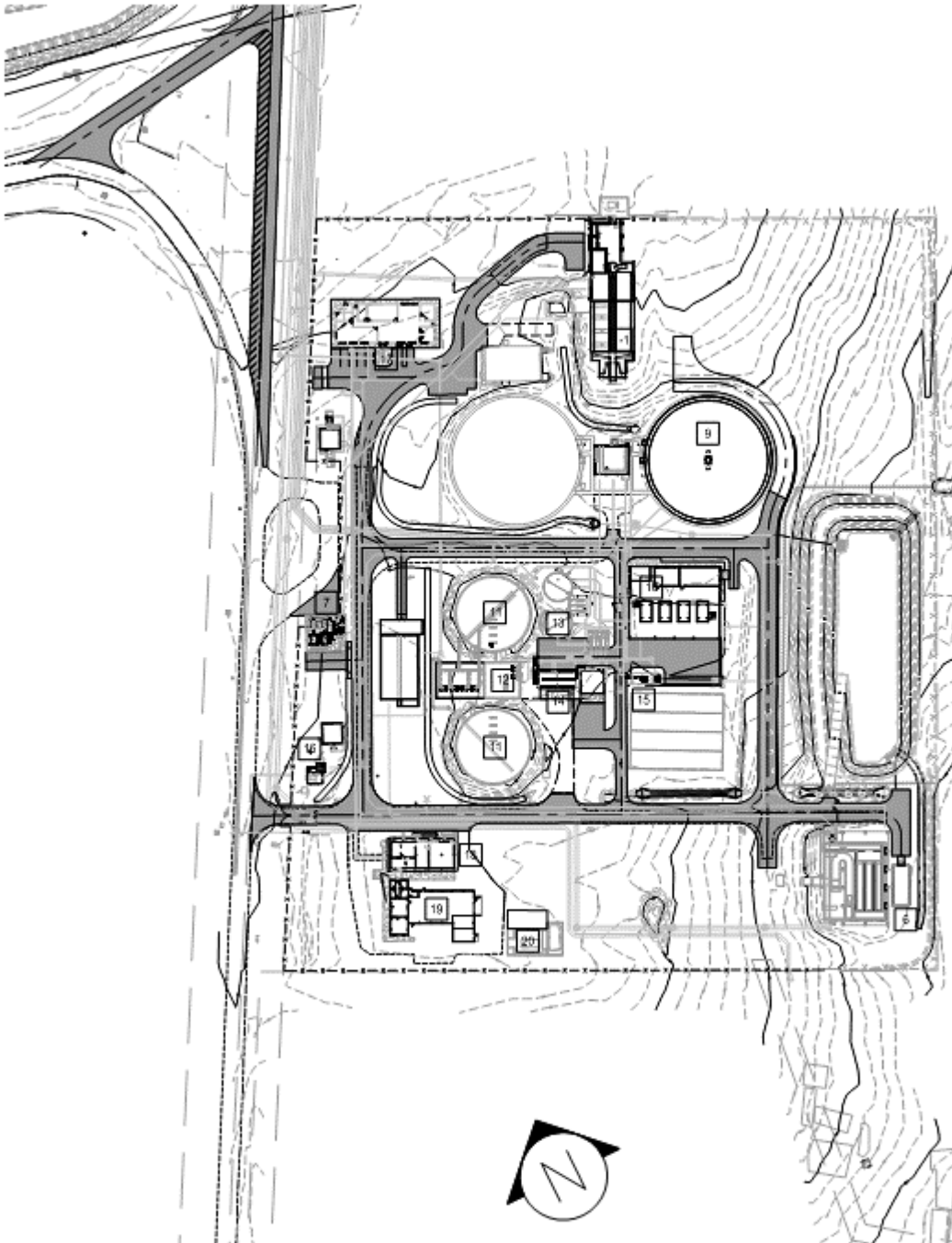
- **ATAD**
 - **Administration Building**
 - **Septage Receiving Station**
 - **Extended Warranty**
- 

Project Sequencing & Operations

- Existing Operations
- Site Yard Piping Demolition
- Southern Link Pump Station and Force-main Upgrades



PROCESS	
NUMBER	DESCRIPTION
2	HEADWORKS
3	OXIDATION DITCHES
4	SECONDARY CLARIFIERS AND SCUM PUMPING
5	FUTURE FILTER
8	RAS/WAS
20	STANDBY POWER



PROCESS

NUMBER	DESCRIPTION
1	SOUTHERN LINK INFLUENT PUMP STATION
1-1	ROUTE 3 INFLUENT PUMP STATION
6	UV DISINFECTION
7	SEPTAGE RECEIVING
9	AERATED SLUDGE STORAGE FACILITY
10	THICKENING FACILITY
11	ATAD
12	DIGESTER EQUIPMENT BUILDING
13	SLUDGE STORAGE TANKS
14	DEWATERING FACILITY
15	SIDE-STREAM PUMP STATION
16	PLANT WATER SYSTEM
17	NEW ADMINISTRATION BUILDING
18	RENOVATED/REPURPOSED LAB
19	RENOVATED MAINTENANCE BUILDING
20	STANDBY POWER
21	CONTROLS

QUESTIONS?

