Exhibit B – Phase 1 Scope of Services

Revision: Final

City of Port St. Lucie

Discovery Water Treatment Facility
April 29, 2026

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Client name:	City of Port St. Lucie		
Project name:	Discovery Water Treatment Facility		
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Background

The City of Port St. Lucie (Owner) is ranked as one of the fastest growing cities in the country. This population increase has created an equally sharp increase in water supply demand. The City's Utility Systems Department (USD) Master Plan forecasts that current water treatment capacity will be insufficient by 2030. The South Florida Water Management District Upper East Coast Water Supply Plan update also lists the City as the only public supply system in the Upper East Coast Planning Area that cannot adequately meet its projected demands with its current facilities through 2045.

To address the increase in water demand, the Owner is developing the Discovery Water Treatment Facility (WTF). This facility will increase the City's water system capacity by 10 to 20 million gallons per day (MGD) as outlined and more specifically described in this scope of services. The facility will use reverse osmosis (RO) for water purification, drawing its supply from wells in the Southwest Wellfield, which tap into the Upper Floridan aquifer (UFA).

The Owner intends to design and construct a new WTF with an initial capacity of 10 or 20 MGD and associated improvements at the existing Discovery WTF Re-Pump Station site, with the potential for future expansion to 30 MGD. Additionally, space will be allocated for a future 10-MGD surface WTF, which will be supplied through aboveground impoundments at the McCarty Ranch Water Farm. This is summarized in Table 1.

Table 1. Planned Site Capacity

Treatment Capacity/Expansion with Treatment Technology	Total Site Capacity	Water Source	Included in this Project
10 MGD RO WTF	10 MGD	UFA	Yes
10 MGD RO WTF	20 MGD	UFA	Yes[a]
10 MGD RO WTF	30 MGD	UFA	No[b]
10-MGD Surface WTF	40 MGD	McCarty Ranch Water Farm	No[b]

[a] Provisions for this additional capacity are included in this Project, but at certain design milestones, the Owner will provide additional direction on how and if they will be constructed under this contract. This is detailed further in the scope.

[b] These are not included in this scope of work, but certain provisions for these future expansions are incorporated. Refer to Table 2 for a detailed explanation of these provisions.

The Project will be completed over the following two phases under a single progressive design-build (PDB) agreement:

- Phase 1, Design and Preconstruction Services (10- or 20-MGD)
- Phase 2, Construction and Commissioning Services

During Phase 1 of the Project, the WTF will be designed to produce 10 or 20 MGD and be fully functional, and operational by the completion of Phase 2. The scope of work under Phase 1 will include the design, permitting, and preconstruction services for an initial 10-MGD RO WTF, with the flexibility for one of the following options:

- Have the Design-Builder design with the option to construct the additional 10-MGD features for a full capacity of 20 MGD under this contract.

- Have the Design-Builder provide the necessary documents outlined in this scope of work so the Owner can have another entity construct the additional 10-MGD expansion from 10 MGD to 20 MGD.
- Have the Design-Builder design and construct the initial WTF under this scope of work as a 10 MGD facility. If the Owner chooses this option, an adjustment to the contract price will be made per the compensation schedule.

The Owner intends to notify the Design-Builder before the 30% Design milestone of which option will be implemented under this contract agreement and whether they want to proceed with the design and construction of the Storage Building with offices (item 15 in Table 2). Depending on the outcome, the Design-Builder will delineate the features in the design and preconstruction deliverables that are included in the initial 10-MGD WTF compared with the additional 10 MGD expansion.

The Phase 1 and 2 scopes of service will be performed in close collaboration and coordination with the Owner, Owner's Advisor, and the following known adjacent and applicable projects:

- Discovery WTF Deep Injection Well (DIW) System Project will be designed by McNabb-Miller Hydrogeologic Consulting, Inc. and constructed by a Contractor (to be determined [TBD]) under a design-bid-build contract with the Owner.
- Discovery WTF Floridan Wells and Raw Water Main Project will be designed and constructed by Florida Design Drilling, LLC. under a PDB contract with the Owner.
- Discovery Way West Roadway will be designed by Velcon Engineering and Surveying, LLC and constructed by a Contractor TBD for the Riverland Development Company, LLC.

This document provides the Phase 1 scope of work, schedule, and fee for the Discovery WTF. Phase 2 services will be included in up to two subsequent Guaranteed Maximum Price (GMP) amendments and delivered at different times, which are provided in the attached schedule, during the delivery of the Phase 1 services included herein.

New Water Treatment Facilities

The Design-Builder will design and permit a 20-MGD RO WTF (expandable to 30 MGD), while accommodating the addition of a 10-MGD surface WTF in the future, at the existing Discovery WTF Re-Pump Station site. The Phase 1 scope, schedule, and level of effort are based on the Project scope of work assumed in Table 2 and the WTF supplemental infrastructure outlined as follows.

Table 2. Water Treatment Facilities Scope of Work

Item No.	Facility/ System	Current Scope[a]	Future Expansion[b]
1	Sand Strainers	Not anticipated during this Project and thus design of this facility is not included	Provisions for 10 to 30 MGD of sand strainer capacity
2	RO/Operations Building	Operations building portion: Full building with all disciplines included RO building portion (architectural, HVAC, plumbing): 20 to 30 MGD of building shell and building components Process mechanical, electrical, I&C: 20 MGD	Operations building portion: None RO building portion (architectural, HVAC, plumbing): Provisions for remaining building shell and building components (if full 30 MGD not included in current Project) Process mechanical, electrical, I&C: Provisions for additional 10 MGD for a total of 30 MGD

Item No.	Facility/ System	Current Scope[a]	Future Expansion[b]
3	Degasifiers	Structural slab and under slab piping: 10 to 30 MGD of components Process mechanical, electrical, I&C: 20 MGD	Structural slab and under slab piping: Provisions for remaining components (if full 30 MGD not included in current Project) Process mechanical, electrical, I&C: Provisions for additional 10 MGD for a total of 30 MGD
4	Transfer Pump Station	Clearwell structure, wall pipes, gates, and under slab piping: 10 to 30 MGD of components Process mechanical, electrical, I&C: 20 MGD	Clearwell structure, wall pipes, gates, and under slab piping: Provisions for remaining components (if full 30 MGD not included in current Project) Process mechanical, electrical, I&C: Provisions for additional 10 MGD for a total of 30 MGD
5	CO_2 System	10 to 30 MGD of components	Provisions for additional 10 MGD of components for a total of 30 MGD
6	New Post-Treatment Chemical Facility	Building, containment structure, and under slab piping: 10 to 30 MGD of components Process mechanical, electrical, I&C: 20 MGD	Building, containment structure, and under slab piping: Provisions for remaining components (if full 30 MGD not included in current Project) Process mechanical, electrical, I&C: Provisions for additional 10 MGD for a total of 30 MGD
7	Existing Post-Treatment Chemical Facility	Building structure: Assumed to accommodate 30 MGD (hypochlorite and ammonia); as needed modifications to building, envelope for WTF design or New Hypochlorite Facility if the existing building footprint cannot accommodate both chemicals. Process mechanical, electrical, I&C: 20 MGD	Building structure: None Process mechanical, electrical, I&C: Provisions for additional 10 MGD for a total of 30 MGD
8	Post-Treatment Electrical Building	Building: New electrical building sized for the entire 30-MGD RO WTF equipment Electrical equipment: New electrical equipment to feed 20 MGD of post-treatment equipment and fed from existing SWGR inside the existing high-service pump station building	Building: None Electrical equipment: Provisions for new electrical equipment that powers the future additional 10-MGD post-treatment process equipment
9	Finished Water GST	2 prestressed concrete GSTs up to 6 MG capacity	None
10	Existing High-Service Pump Station	Building structure: Assumed to accommodate 40 MGD of total pumping capacity; WTF design Process mechanical, electrical, I&C: Use existing pumps and piping and add additional pumps and necessary components to achieve total of 20-MGD firm capacity	Building structure: None Process mechanical, electrical, I&C: Additional 20 MGD for a total of 40 MGD

Item No.	Facility/ System	Current Scope[a]	Future Expansion[b]
11	Existing Generator and Electrical Building at High-Service Pump Station	Building structure: Assumed to accommodate three generators Electrical, generator, fuel tank and piping, I&C: Use existing transformer, gear and generator, and fuel tank and add necessary components to add one Tier 2P diesel generator and fuel tank to provide backup to the RO and operations building	Building structure: None Electrical, generator, fuel tank and piping, I&C: Provisions to add necessary components to add one Tier 2 diesel generator and fuel tank
12	Future Generator Facility	None	Provisions for an additional generator in a sound attenuated enclosure with a belly fuel tank to provide backup power to the RO building equipment if desired; generator switchgear to be in the operations building
13	10-MGD Surface WTF	None	Provisions for all facilities necessary to treat 10 MGD of surface water to be on the site west of the stormwater pond
14	Administration and Operations Building for Distribution	None	Provisions for a future facility that houses distribution staff, maintenance facilities, and warehouse storage and parking
15	Storage Building with offices	Storage building portion: ventilated space used for storage with overhead doors and man doors for access Office spaces: 2-3 offices and a single bathroom with conditioned spaces Total area approximately 4,000 - 5,000 SF Materials of construction to be determined through design.	None
16	Stormwater Pond(s)	As determined necessary for the 20-MGD WTF facilities and impervious area	Provisions for the necessary 30-MGD RO and 10-MGD surface WTF facilities the associated projected impervious area
17	Access Roads	Access roads to accommodate the 20-MGD WTF operation and maintenance	Provisions for access roads to operate and maintain the full 30-MGD RO and 10-MGD surface WTF facilities

[a] 10 MGD in base construction scope with additional 10 MGD clearly delineated as an add alternate for a total of 20 MGD capacity.
[b] Additional 10 MGD for a total of 30 MGD capacity.

CO_2 = carbon dioxide
HVAC = heating, ventilation, and air conditioning
I&C = instrumentation and controls
MG = million gallon(s)
GST = ground storage tank
No. = number
ODP = Owner Direct Purchase Equipment
SWGR = switchgear

Water Treatment Facility Supplemental Infrastructure

In addition to the new WTF facilities listed in Table 2, the following additional supplemental infrastructure is included:

- Site civil improvements and yard piping
  - Yard piping: Design-Builder will design all process yard piping and drains.
  - Onsite utilities: Potable water and fire protection will be provided from the existing water main onsite, in accordance with the most recent versions of the Florida Fire Prevention Code, National Fire Protection Association 1 Fire Prevention Code, 101 (Life Safety Code) and the applicable local codes. Provide the design of an onsite potable water system to serve the facility and the non-potable water to be used for the process water and landscape irrigation.
  - Landscaping and irrigation: Landscaping will be designed in compliance with the applicable local codes. Buffer areas or portions where natural vegetation provide adequate visual screen will remain natural and undisturbed by clearing or any construction activity. Where natural vegetation is inadequate, supplemental plantings will be selected for natural survival expectancy and the ability to meet requirements. Onsite irrigation will be provided by the onsite potable water distribution system to support the landscaping and grassed areas throughout the site.
  - Site work: The civil site work includes providing stormwater facilities onsite, including piping or a swale system, control structures, and an existing wet detention pond. Parking requirements will comply with the requirements of the applicable local codes. All internal driveways will have minimum turning paths to accommodate an interstate semitrailer (up to a WB-62 design vehicle). Based on our interpretation of the South Florida Water Management District (SFWMD) Environmental Resource Permit, it is assumed the existing dry pond can be eliminated under this initial 20-MGD WTF construction or when the full WTF buildout is constructed in the future.
  - Modifications and additions to the access roads inside the Discovery WTF site to provide adequate access to the new and existing facilities.
- Electrical improvements
  - Design services will include the necessary coordination to provide electrical services through a 480-volt, 3-phase, 3-wire service from Florida Power & Light (FP&L), as outlined in this scope. Primary power for the existing high-service pump station and the new post-treatment electrical building and facilities will be provided via the existing FP&L drop and transformer. Emergency power for the existing high-service pump station and the new post-treatment facilities will be provided from the existing generator and electrical switchgear and automatic transfer switch in the existing generator and electrical building. Primary power for the new RO/Operations building will be provided by a new electrical switchgear and equipment inside a new electrical room at the new RO/Operations building via a new FP&L drop and transformer. Emergency power for the RO/Operations building will be provided from a new standby generator and fuel tank at the existing generator building and from a new switchgear and automatic transfer switch inside the new RO/Operations building electrical room. The new standby generator above-grade diesel fuel storage tank (if determined to be needed) will be installed on a concrete pad next to the existing diesel fuel storage tank.

- I&C and Security improvements
  - I&C system will consist of field-mounted measurement control devices hardwired to a central instrumentation control panel. The WTF equipment will be monitored and controlled both locally and remotely from the supervisory control and data acquisition (SCADA) system.
  - Security system, including revisions to the existing security system and upgrades to incorporate the new facilities and access gates at the Discovery WTF similar to the existing system currently at the Discovery WTF Re-Pump Station, will be provided..
- DIW and monitoring well yard piping, electrical, and I&C improvements
  - New concentrate, water, and sanitary drain line will be provided from the RO building to 5 feet outside of the well pads for the two new DIWs. The Design-Builder will design a new grinder pump station to accept drain lines and pump flow to a larger pump station on site. The following piping is being constructed by the DIW contractor and is to be connected to piping/structures provided by the Design-Builder:
    - Two 18-inch-diameter concentrate pipes (one at each DIW)
    - Two 2-inch-diameter sample/purge pipes (both located at the DZMW)
    - One 1-inch-diameter potable water pipe (located at the northernmost DIW)
    - Three 4-inch-diameter slab drain pipes (one located each slab)

    All piping between the two DIWs and one monitoring well and all other DIW site improvements will be provided by others.
  - Power feed and control conduits and conductors from the RO building to a junction box near the two DIWs and one monitoring well and tie into, control and monitoring via the SCADA system will be provided. All I&C instrumentation and electrical equipment required at the two DIWs and one monitoring well will be provided by others.
  - The DIW contractor shall be responsible for providing building permits and raising each well pad to the appropriate elevation, providing temporary construction fencing, and for providing a temporary access road for their access during construction. The Design-Builder shall be responsible for a stabilized permanent access road from Discovery Way to the DIW site running parallel to the stormwater pond (which may or may not be in the same location as the construction road), incorporating this portion of the site with the overall site plan, including fencing, landscaping, irrigation, and drainage.
- Raw water supply well yard piping, electrical, and I&C improvements
  - Raw water line from a designated spot along the north fenceline at Discovery Way to the new RO building and a raw water line from 5 feet outside the well pad of Well F-21 on the Discovery WTF site to the RO building will be provided. The raw water lines will be routed to the fenceline and all lines outside the WTF tying into the offsite wells and the raw water pipeline brought to 5 feet outside of well F-21's well pad is by others. A second raw water line will be provided to connect to a future raw water main located along the western fence line of the Project site.
  - All power feeds and fiber control wiring of raw water wells offsite is by others. It is assumed that fiber communication and several pull boxes exist on site and others will bring the fiber and conduit to a vault at the north fenceline for the offsite well controls. Design-Builder will provide conduit from this vault to the RO building, pull the remaining fiber through, and make all terminations into a control panel provided by the Design-Builder. Design-Builder will also provide

all electrical power (primary and backup) feed, fiber, and conduits from the RO building electrical gear and control panel to a junction box near Well F-21 onsite. The Design-Builder will provide all the well controls and programming. Others will provide all I&C instrumentation and electrical equipment required at the offsite wells and onsite F-21 well.

- An asphalt access road from the main loop road to Well Site F-21 is included in the design services.

Task 1: Project Management

The Project Management and Project Administration for this Project will include the following items. The Design-Builder will do the following:

- Be responsible for internal management, tracking, and reporting, including;
  - Team management and coordination
  - Coordination with the Owner
  - Scope and quality control management
  - Subcontractor coordination and management, as further described in the document
  - Progress reporting, Project cost tracking, and invoicing
- Provide meeting coordination—Identify, coordinate, schedule, facilitate, and document meetings as necessary. Documentation will typically involve meeting minutes in the form of notes capturing discussion, decisions, and action items on the material that was presented during the meeting (usually in PowerPoint). The cadence of these meetings will be set to facilitate timely feedback.
  - Kickoff: Participate in an in-person Phase 1 Project kickoff meeting for up to 4 hours at an Owner conference room. Participants will include: Owner-designated staff (including Owner's Advisor) and Design-Builder's Project Director, PM, Engineering Manager, Design Manager, WTF Design Lead, Preconstruction Manager, and up to six other team members, as deemed necessary. The meeting content will be jointly developed and facilitated with the Owner and Owner's Advisor PM.
  - Weekly Design-Builder team meetings: These are internal and are facilitated by the Engineering Manager and Design Manager with applicable Design-Builder team members as necessary. Informal meeting notes are maintained to facilitate tracking progress but are not distributed externally. The PM attends and contributes to this meeting.
  - Weekly Project Management meetings: The Owner's PM, Owner's Advisor PM, and Design-Builder's PM and Engineering Manager will talk weekly via Microsoft Teams to review action items and upcoming meetings and deliverables and discuss Project issues and opportunities. Other Design-Builder team members may periodically attend on an as-needed basis. The Design-Builder tracks action items from this meeting and sends out a summary afterward.
  - Biweekly Owner/Design-Builder team meetings: These meetings are generally biweekly but may vary according to schedules or needs. These meetings are intended to review design progress, specific facilities, cost estimates, value engineering opportunities, or design documents and to collaborate between teams. The topics will vary and will be coordinated ahead of time at the weekly Project Management meetings. The PM, Preconstruction or Design Manager, Engineering Manager, and other team members, as needed (topic dependent), will attend. These meetings will typically be via Microsoft Teams but may be in person as necessary.
  - City Commission meetings: Design-Builder Project Manager or Project Director will attend in person, prepare slides and present in order to provide Project updates at up to three City Commission meetings during Phase 1 services.

- Provide key information tracking and reporting of the following:
  - Deliverables
  - Meetings
  - Action items
  - Decision and design guidance tracking, which will include tracking key decisions and design input/decisions from the Owner
- Within 30 days of the Phase 1 Notice to Proceed (NTP), a Draft Project Management Plan that describes the PDB approach to Phase 1 services will be provided. The format and level of detail for documents, tools, and processes will be acceptable to the Owner. The Project Manager uses an Excel version of the plan to manage the Project – so the intent is that this document is concise, functional, and the tables are exports from the Excel file. The plan will specifically address the following:
  - Team organization (Design-Builder, Owner, and Owner's Advisor) to deliver Phase 1 services
  - Communication protocols, document management and control, decision process, and dispute resolution matrix
  - Phase 1 schedule, including key milestones, deliverables, reviews, and notable meetings – given that many meetings are on a recurring interval only major review meetings will be noted in this plan and other meetings will be noted with their recurrence schedule (similar to how they are described above in the PM Meetings summary of this Task).
- Based on Owner review and feedback, submit the final Project Management Plan within 3 calendar weeks of receiving Owner comments.
- Provide document control:
  - Design-Builder will implement a centralized document control system for the Project on a dedicated SharePoint site. The document control system will store Project records, as-built construction drawings, design drawings and specifications, cost estimates, schedules, Risk Register, value engineering decisions, permits, and previous technical memorandums (TMs) and reports.
- Submit monthly invoices in accordance with the contract with a summary of work completed during each month, and report Phase 1 planned versus actual progress monthly.

Deliverables

- Draft and final Project Management Plan
- Kickoff (agenda/minutes), weekly Project Management meetings (action item notes), and Biweekly Owner/Design-Builder team meeting (minutes)
- Monthly invoices and progress reports
- Setup and maintenance of a SharePoint document control platform

Meetings

- Kickoff
- Weekly Design-Builder team meetings
- Weekly Project Management meetings
- Biweekly Owner/Design-Builder team meetings
- Attend, prepare for and present Project updates at up to three City Commission meetings

Assumptions

- 16-month Phase 1 duration in accordance with the attached Phase 1 schedule
- Quality control management is included under this task, however, quality control efforts related to each task outlined in this scope are included under each task

Task 2: Preliminary Engineering

Task 2.1: Lessons Learned Confirmation

The Design-Builder will meet with the Owner and Owner's Advisor for a 2-hour meeting to review their lessons learned with regards to the Prineville and James E. Anderson (JEA) RO Water Treatment Plants. The Design-Builder will come prepared with all of the lessons learned to date documented in a log. The intent is for the Owner to clearly identify the pertinent lessons learned so that these and industry best practices are incorporated into the design of the Discovery WTF. Team members that will attend include the PM, Engineering Manager, Design Manager, WTF Lead Process Engineer, and up to two other TBD team members.

Deliverables

- Draft and final meeting minutes from the lessons learned meeting
- Updated lessons learned log

Meetings

- One 2-hour lessons learned review meeting

Assumptions

- The lessons learned meeting and the site visit under Task 2.1 will occur in consecutive days under the same trip to minimize travel and level of effort.
- Owner's engineering and operations staff and the Owner's Advisor will attend the lessons learned meeting so that the Design-Builder obtains maximum input and value.

Task 2.2: Condition Assessment of Existing Facilities

The primary purpose is to assess the condition of existing facilities and infrastructure to determine the best approach for replacement, rehabilitation, and/or modification to meet the goals and requirements of the Owner and for this Project. Infrastructure to be assessed includes mechanical equipment, concrete tanks, buildings, electrical systems, I&C components, and site infrastructure, such as roads, fencing, and stormwater assets. The Design-Builder will perform one site visit to assess the existing conditions of the existing facilities at the Discovery WTF Re-Pump Station shortly after the Phase 1 Kickoff Meeting. The team members that will attend include the Process Mechanical Lead Engineer, I&C Lead Engineer, Electrical Lead Engineer, Civil Lead Engineer, Building Mechanical Lead Engineer, and Architect.

The Design-Builder will review the as-built construction documents and perform an assessment of the existing structures at the Discovery WTF. The assessment is intended to further evaluate and identify repair types and establish approximate quantities and specific work to be included in the construction documents and included in the GMP. The work will include visual observation of the interior and exterior of each structure listed in this section and nondestructive testing/inspection methods using sounding techniques to identify. Prior to each planned assessment, the Design-Builder will coordinate closely with the Owner and discuss and decide the value added, whether the planned assessment will be performed, and to what extent, based on actual conditions.

Fieldwork will use the following teams for the duration listed to perform the condition assessments:

- Process Mechanical Team – One engineer will work for 1 day onsite to evaluate the process equipment, visible piping, valves, and appurtenances.
- Structural Team – One engineer will work for 1 day onsite to evaluate existing structures including GST, buildings and canopies.
- Electrical and I&C Team – Two engineers will work for 1 day onsite to evaluate the existing power and distribution systems as well as the control systems for the WTF.
- Buildings Team – One architect and one building mechanical engineer will work for 1 day onsite to evaluate the existing buildings and support systems. Support systems include heating, ventilation, and air conditioning; and plumbing systems; telecommunications; and security.
- Site Civil/Utilities Team – One civil engineer will spend 1 day onsite evaluating the condition of the existing roads, parking, fencing, and stormwater utilities onsite.

Following the site visit, Design-Builder will review, summarize, and document the results of the condition assessments into a TM. This will include the field assessment forms completed during the site work. The results of the assessment will be used to determine the Project scope items to include in the subsequent design.

Deliverables

- Draft and Final Existing Condition Assessment Report

Meetings

- One review meeting after the Draft Existing Conditions Assessment Report to discuss and decide the items to include in the design and to what extent, based on actual conditions.

Assumptions

- Meeting under Task 2.1 and condition assessment under this task will occur on consecutive days under one single trip to minimize travel and level of effort.
- Owner's engineering and operations staff will attend the condition assessment site visit so that the Design-Builder obtains maximum input and value.
- Requested pertinent information such as Re-Pump Station record drawings, equipment operation and maintenance manuals, data sheets, etc. will be received at least 10 days prior to the scheduled visit and meetings.
- No materials testing is included.
- Assessment will be limited to available access to the various facilities and equipment; in cases where full access is not possible, a more limited visual inspection will be carried out.
- Design and plan preparation to address the implementation of the recommended repairs/revisions is not included.
- Owner will provide consolidated review comments/feedback on all reviewed items within 15 workdays of receipt.

Task 2.3: Alternative Analyses and Technical Workshops

The Design-Builder will perform an analysis of various technical alternatives to allow the Owner to make decisions necessary to refine the scope of the Project before the Engineering Design Development task. It is assumed that each alternative will be discussed in a workshop setting in presentation format. Each alternative will be evaluated using criteria such as capital and whole life-cycle cost, along with non-cost criteria, including operations and maintenance complexity. The alternatives that will be evaluated include the following:

- Process design considerations:
  - Optimal skid sizing and staging for current and future conditions
  - Sand strainers versus cartridge filtration only
  - High recovery skid options
  - Biological scrubbers versus chemical scrubbers
  - 4-Log virus inactivation in clearwell versus in transfer pipe discharge
  - Transfer pumps on clearwell versus outside of clearwell with can-type pumps with flooded suction
  - Degasifier at grade or elevated on clearwell or elevated platform
  - Clearwell sizing, redundancy, and design considerations
- Pipe gallery under process area or center-trench for skid piping access
- Full 30-MGD buildout of RO process building versus knockout wall provisions for a 10- or 20-MGD building
- Site layout options
- Stormwater management options
- Electrical provisions/secondary feed from FP&L

The Design-Builder will schedule, prepare for, and conduct up to five 2-hour technical workshops to cover the aforementioned items with the Owner and Owner's Advisor, in accordance with the attached Phase 1 schedule. These technical meetings are in addition to the progress meetings required under the Project Management task. The scheduling and discussion topics for these workshops will be jointly agreed upon by the Owner and the Design-Builder and will be intended to facilitate and support Owner decision-making with respect to the Project configuration and design, permitting, and construction planning progression.

Deliverables

- Technical workshop agendas and draft and final meeting minutes (including presentation materials)

Meetings

- Up to five 2-hour technical workshops to review alternatives evaluated

Assumptions

- Owner will provide consolidated review comments/feedback on all reviewed items within 15 workdays of receipt.
- It is assumed that alternatives analyses will be completed in up to five 2-hour technical workshops.
- Owner will provide unified direction to Design-Builder on preferred alternatives.

- Alternatives evaluations by the Design-Builder and selection of the alternatives to proceed with by the Owner in the Alternative Analyses and Technical Workshops task will be completed in parallel Engineering Design Development task.
- The Owner's Advisor will provide an alternatives analysis for Gas Chlorine versus bulk sodium hypochlorite versus onsite hypochlorite generation. The Design-Builder will provide one review of this evaluation deliverable and review comments for the Owner's consideration. The design of the selected system will be provided by the Design-Builder under Task 5.

Task 2.4: Raw Water Characterization

The objective of this task is to evaluate the raw water quality of the new UFA wells that will serve as the supply for the new Discovery WTF. As part of this task, the Design-Builder will coordinate with the Raw Supply Well Design-Builder to request drawdown data and water quality data. It is estimated that up to two coordination meetings will be required between the Owner, the Design-Builder, and the Raw Supply Well Design-Builder. The Design-Builder will develop and issue a list of field and laboratory water quality analyses to the Raw Supply Well Design-Builder. The data provided by the Raw Supply Well Design-Builder will be used during the Engineering Design Development task to establish design requirements, treatability with membrane process, and evaluate potential future higher feedwater total dissolved solids (TDS). A brief technical memorandum will be developed to summarize the assessment and determine whether additional raw water quality data may be required as part of a future work authorization.

Deliverables

- Request for water quality data
- Draft and final summary of raw water characterization TM
- Agendas and draft and final meeting minutes

Meetings

- Two 1-hour coordination meetings.

Assumptions

- Owner will facilitate coordination between Design-Builder and Raw Supply Well Design-Builder.
- Raw Supply Well Design-Builder will conduct water quality sampling of wells and provide available data to the Design-Builder. The sampling results will be provided to the Design-Builder within 3 calendar weeks of data request.
- Up to two coordination meetings will be required between the Owner, the Design-Builder and the Raw Supply Well Design-Builder.

Task 2.5: Desktop Corrosion Control Study and Distribution System Assessment

The Design-Builder will collect and review historic Lead and Copper Rule (LCR) compliance sampling, source, treated, and distribution system water quality. The Design-Builder will also evaluate operational data for the system's flushing programs and practices and pipe age and materials used in the distribution system for mains, service lines, and plumbing. The Design-Builder will analyze the data

relative to the new action levels in the Lead and Copper Rule Revisions (LCRR) and Lead and Copper Rule Improvements (LCRI).

The Design-Builder will conduct a desktop evaluation of the current finished water quality of the system and compare it with the new projected finished water quality of the system to assess impact on the distribution system's corrosion control indices, pH, alkalinity, hardness, and other water quality parameters.

The Design-Builder will conduct a distribution system water quality assessment in several portions of the distribution system to characterize existing scales through water quality analysis within the distribution mains as follows:

- At the existing Discovery WTF site
- In areas with older pipes
- Dead end(s)
- Areas of known discolored water and odor complaints
- Areas of low and high-water age
- Pipe-scale analysis in several portions of the distribution system using water quality analysis and from pipe sections if available from maintenance activities (no active pipe harvesting will be conducted)
- Distribution and entry point water quality monitoring

The Design-Builder will develop a testing plan and sampling protocols using approved standard methods or the best practice available. The sampling plan will include up to 25 locations within the distribution system to identify potential compatibility issues between the new finished water quality and the existing scales.

Sampling will be conducted using existing hydrants at low flow to analyze background water quality and at high flow to dislodge scales for analysis.

The testing plan defines the field work and laboratory work and will include analysis of the following key water quality parameters:

- pH
- Temperature
- ORP
- Conductivity
- Turbidity
- Color
- Alkalinity
- TDS
- Total manganese
- Total aluminum
- Heavy metals
- Total iron
- Sulfate
- Calcium hardness
- Dissolved calcium hardness of nitrite
- Free ammonia

- Total chlorine
- Free chlorine
- Monochloramine
- Total organic carbon (TOC)
- Dissolved organic carbon (DOC)
- Chloride

As part of the field efforts, the Design-Builder will provide analytical equipment and chemical reagents to address key parameters mentioned above. The Design-Builder will coordinate services with a Florida Department of Health (DOH) National Environmental Laboratory Accreditation Program (NELAP)-accredited laboratory to be responsible for the pickup and analysis of up to 20 water samples for the following water quality parameters: chloride, heavy metals, sulfate, TOC, DOC, calcium hardness, dissolved calcium hardness, total phosphorus, and orthophosphate. The 20 sample sites will be selected by the Design-Builder during the field efforts. A water sampling plan will be developed and submitted by the Design-Builder for review and approval by Owner and Owner's Advisor, prior to the field efforts.

The Design-Builder will conduct an optimal corrosion control treatment (OCCT) evaluation of the current and future WTF finished water to assess impact on the distribution system due to changes in corrosion control indices and other water quality indices of interest (calcium carbonate precipitation potential, Langelier index, chloride to sulfate mass ratio, aggressivity index, Larson Ratio), pH, alkalinity, and hardness. The assessment will include review of Pourbaix charts and solubility curves of metals.

The Design-Builder's OCCT will assess the impact on not only the LCRR/LCRI but also on the release of other pipe-scale metals (iron, manganese, arsenic, if applicable).

The Design-Builder will identify potential water quality constraints for corrosion control treatment alternatives that may impact regulatory requirements, including modification of pH and alkalinity ranges, and corrosion control chemicals, such as orthophosphate or ortho/polyphosphate blends. The outcome of this desktop study analysis is an OCCT study technical memorandum with finished water quality goals and stabilization recommendations. Follow-up work may include a pipe loop test, depending on recommendations. The pipe loop test work, if required and authorized by the Owner, will be part of a future work authorization under the GMP #2 contract amendment.

Deliverables

- Draft and Final Water Sampling Plan
- Draft and Final Desktop Corrosion Control Test Plan
- Draft and Final OCCT Desktop TM

Meetings

- Up to two 1-hour meetings to discuss and coordinate the testing plan
- One 1-hour meeting to review and discuss OCCT Desktop TM

Assumptions

- The Owner will provide historical LCR compliance sampling (minimum of two sampling cycles), source, treated, and distribution system water quality, and operational data from WTFs (minimum of 2 years) as well as pipe age and pipe materials in the distribution system for mains, service lines, and

premise plumbing). This historical water quality data will be provided in a timely manner and in electronic format.

- The Design-Builder will reasonably rely on the accuracy and completeness of the information provided by the Owner.
- The Design-Builder will collect the samples and provide the required analytical equipment, reagents, and glassware to analyze field water quality parameters. The Design-Builder will appoint a DOH-NELAP-accredited laboratory responsible for sample pickup and analysis. Up to 20 water samples will be analyzed for the water quality parameters of chloride, heavy metals, sulfate, TOC, DOC, calcium hardness, dissolved calcium hardness, total phosphorus and orthophosphate.
- The Owner will designate a distribution system operator to escort the Design-Builder through the selected hydrant sampling and/or cross connection points. The Design-Builder will not operate the hydrants.

Task 3: Permitting Services

In accordance with the contract agreement, the Design-Builder will secure the permits outlined herein during Phase 1 as determined necessary by local codes. The Design-Builder will identify, consult with, and analyze requirements of governmental authorities having jurisdiction (AHJ) to approve the portions of the Project described by Design-Builder, including the Florida Department of Environmental Protection (FDEP), City of Port St. Lucie, and the SFWMD. The Design-Builder will develop a draft Project Permitting and Approvals Matrix that will include the following information:

- Name of the permit and approval
- Name and contact information for the AHJ responsible for issuing the permit and approval
- Responsibilities (individuals) for developing the permit application and supporting technical information
- Summary of application and supporting technical requirements for each permit and approval
- Description of linkages to other permits and approvals and to decisions by the Owner or Design-Builder
- Expected AHJ review and approval durations
- Permit and approval tracking procedures and responsibilities
- Protocols for incorporating permit and approval conditions into design and construction
- Projected costs for fees required

The Design-Builder will provide the draft matrix with their submittal of the Preliminary Design Report (PDR) under the PDR Package – 15% Design Package task. Within 15 workdays following the receipt of Owner comments, the Design-Builder will revise the matrix to address Owner comments.

The Design-Builder will update the matrix as Project development activities progress if such progression results in identifying additional permits or changes to the permitting requirements and durations. In addition, an updated Permitting and Approvals matrix will be provided to the Owner, along with the following documents:

- 30% Design Package
- 60% Design Package
- Phase 2 Price Proposal(s)

The anticipated list of permits includes the following:

- City of Port St. Lucie Development/Site Plan Review
- City of Port St. Lucie Building Permits
- City of Port St. Lucie Temporary Construction Trailer Permits
- City of Port St. Lucie USD Water and Wastewater Utility Connection Permit
- City of Port St. Lucie Driveway Permit
- FDEP 62-555.900 Specific Permit to Construct Public Water System (PWS) Components
- FDEP Storage Tank Registration
- FDEP Domestic Wastewater Collection/Transmission System Construction (if needed)
- FDEP Environmental Resource Permit Modification

- FDEP Construction General Stormwater Permit (National Pollutant Discharge Elimination System)
- SFWMD Consumptive Use Permit for Construction Dewatering
- SFWMD Consumptive Use Permit for Landscape Irrigation

The Design-Builder does not anticipate any further permits under this scope of work. If others are identified through the permit planning, the Design-Builder will notify the Owner, develop a level of effort, and make an allowance request. At the time this scope of work was created, an exact determination of the permitting services could not be accurately defined; thus this item will be handled as an allowance item and billed on a time and material not to exceed basis. All labor and expenses for the Design-Builder to support these services are also included in this allowance item.

The Design-Builder will obtain all permits and approvals required in advance of commencing the applicable construction work. The Design-Builder will do the following:

- Actively monitor the status of permit and approval process and respond to requests for clarification, additional information, and application revisions by the approving entities.
- Attend meetings with the approving entities to expedite permit processing. Notify the Owner in advance of such meetings for possible Owner attendance.
- Maintain a permit matrix containing pertinent information and the status for each permit on the Project SharePoint site and report to the Owner once permits or approvals have been obtained.

Deliverables

- Final Permitting and Approvals Plan
- Updated Permit Matrix maintained on the SharePoint site
- Permitting meeting agendas and minutes with regulatory agencies
- Draft and final permit applications and required supporting information for each permit listed previously
- One Request for additional Information (RAI) response for each permit listed above previously
- Final approved permits posted on the Project SharePoint site

Meetings

- One initial coordination meeting and one pre-application submittal meeting with the regulatory agencies as needed for an assumed total number of 16 meetings.

Assumptions

- Discovery WTF site is properly zoned, and a zoning reclassification permit is not required. Community outreach events specific to zoning requirements and legal notification are not required.
- Number of building permits required for the WTF will not be known until after the pre-application meeting with the City Building Department. Thus, funding for the efforts to prepare and submit these applications and to answer any RAIs for up to nine building permits is assumed to be needed and included in this scope of work. If additional permits, meetings or RAIs are required, additional funds from the allowance will be requested.

- Permit application packages and RAI responses must be approved by the Owner before submittal to each regulatory agency. The Owner review period will be 1 week or less from time of receipt.
- Scope is based on one RAI for each permit listed previously. The Design-Builder will serve as the point of contact for permitting agencies for additional information or clarification of information submitted by the Design-Builder.
- Scope is based upon one initial coordination meeting and one pre-application submittal meeting with the regulatory agencies on certain permits for an assumed total number of 16 meetings.
- It is assumed there are no wetlands onsite and therefore no wetland impacts.
- Because waters of the state are not proposed to be impacted, a U.S. Army Corps of Engineers permit (Section 404) is not required.
- Consistent with the SFWMD permit issued for the adjacent Discovery Way, stormwater discharged from the Discovery WTF site will be discharged to the north to pipes that will be constructed within Discovery Way.
- Grading, land use, discharge rate, and other related assumptions for the Discovery WTF site will be based on the SFWMD Permit issued for the Riverland Development surrounding the Discovery WTF site.
- No turn lanes will be required along adjacent roadways to the Discovery WTF site. No traffic signal or other road improvements will be required along any adjacent roads.
- Actual permitting efforts, expenses and fees cannot be determined at this time, thus an allowance item for these services has been included in the Allowances for Additional Design, Permitting and Preconstruction Services task. As such, all labor, expenses and fees for these services will be charged as an allowance item under the Allowances for Additional Design, Permitting and Preconstruction Services task and as described in Appendix B.
- FDEP Air General Permit/Title 5 Air Emissions Construction Permit is not required. According to FDEP, an Air General Permit for Reciprocating Internal Combustion Engines will not be required because the standby power generator being added will not burn more than 64,000 gallons of diesel fuel in a year.
- See the Permitting Schedule (Table 5) contained in the General Assumptions and Clarifications Section for assumed permitting review timelines.

Task 4: Survey and Field Investigations

The Owner has limited previous surveys, no utility locates, and no geotechnical data to rely on, and thus, the Design-Builder will gather the required information through their own investigations. The Design-Builder may not rely on any prior engineering interpretations, opinions, or recommendations that may be contained within the existing site information provided. The Design-Builder will identify, plan, and perform additional survey and field investigations needed to support design development, validate existing site conditions, support permit applications, develop maintenance of WTF operation plans, identify subsurface conditions, or assess the condition of existing facilities.

Task 4.1: Surveying and Subsurface Utility Engineering

A topographical and boundary survey of the Discovery WTF site and as-needed subsurface utility engineering (SUE) will be provided by the Design-Builder at the WTF site area. The surveyor will also locate existing trees and determine the size and species of existing trees. At the time this scope of work was created, an exact determination of the survey and utility locate services could not be accurately defined; thus this item will be handled as an allowance item and billed on a time and material not to exceed basis. All labor and expenses for the Design-Builder to support these services is also included in this allowance item. Once the number and type of utility locate services are determined, the Design-Builder will make an allowance request to the Owner for approval.

Deliverables

- Signed and sealed digital copy of the survey and surveyor's report, along with their field notes
- Topographic survey file in AutoCAD
- Surveyed drawing showing location, depth, size, and material description for items located via ground-penetrating radar and vacuum excavations
- Other items mutually agreed upon and included in the allowance authorization scope of work
- Tree Inventory within the WTF footprint based on City of Port St. Lucie regulations
- Utility locate reports documenting the location, and depth of located utilities
- One sketch and legal description for the anticipated FP&L new primary feed easement

Meetings

None

Assumptions

- Wetland delineation flagging at the WTF site is not included in this scope of work and will not be required.
- No easements are assumed to be needed or required.
- Additional services needed will be funded through an allowance request under the Allowances for Additional Design, Permitting and Preconstruction Services Task.

Task 4.2: Geotechnical Borings, Soil Testing, Analyses, and Report

The Design-Builder will conduct a geotechnical investigation required at the WTF site to support the design and construction of the Project. At the time this scope of work was created, the exact geotechnical services needed could not be accurately defined; thus, this item will be handled as an allowance item and billed on a time and material not to exceed basis. All labor and expenses for the Design-Builder to support these services is also included in this allowance item. The geotechnical allowance is based on the following assumptions outlined in this task (actual services will be determined during delivery and submitted via an allowance request):

- Perform up to 13 total soil borings with standard penetration test (SPT) and 3 seismic cone-penetration tests (sCPTs), depths ranging from 50 to 80 feet, within the footprint of proposed structures (please refer to Table 3). Disturbed and undisturbed soil samples will be recovered for the purpose of proper classification and laboratory testing. If clayey material is encountered, three undisturbed soil samples will be collected using Shelby tubes. Clay soil samples will be subjected to one-dimensional consolidation testing. One-dimensional test will be performed to determine the consolidation characteristics of the soil.
- Geotechnical investigation is planned to be performed in a two-phase approach. SPT borings will be performed in the first phase with cone-penetration testing borings following in the second phase to account for any changes in the site layout, specifically with regards to the potable water storage tanks.
- Perform soil laboratory testing to support proper soil classification and determine soil engineering parameters. Soil laboratory testing will consist of gradation analyses, Atterberg Limits determination, consolidation, and compaction characteristics of the soil. In addition, corrosivity testing will be performed in selected bulk samples to determine soil aggressiveness.
- Following the field investigation and laboratory testing, the Design-Builder will perform geotechnical engineering analyses to estimate settlement for each structure, bearing capacity of soil, excavation slope stability, and dewatering requirements and provide geotechnical recommendations for structural and civil site design.
- Geotechnical work will be documented in a geotechnical engineering report, which will be sealed by a registered engineer. The report will include the results of the field and laboratory work, provide the basis for the foundation design, and provide recommendations for construction of foundation of proposed structures.
- Up to 4 separate site visits may be conducted by the Design-Builder.
- Design-Builder will provide site supervision during any onsite test hole and geotechnical boring work.

Table 3. Discovery WTF Facilities

Structure	Structure/ Facility	Structure Count	Number of Borings	Depth (feet)	Number of sCPT Soundings	Preliminary Footprint (feet)	Comments
1	RO/ Operation BUILDING	1	3	50	1 at 80 ft, vs. profile at 5 ft intervals	25'-6" HEIGHT	
2	TRANSFER PUMP STATION & CLEARWELL	1	2	50			
3	DEGASIFIERS AND ODOR SCRUBBERS	1	1	50		16' HEIGHT	
4	POST-TREATMENT CHEMICAL FACILITY	1	1	50			
5	POST-TREATMENT ELECTRICAL BUILDING	1	1	50	-		
6	CO_2 STORAGE AND FEED	1	1	50		12'-4" HEIGHT	
7	6-MGD GSTs	2	3 each	1 x 80 ft and 2 x 50 ft	2 at 80 ft, vs. profile at 5 ft intervals		5 investigations per tank (per ACI)
8	GENERATOR FUEL TANK	1	0	-	-	10' HEIGHT	
9	ACCESS ROAD				-	-	
10	TRANSFORMER PAD	1	1	50			

Deliverables

- Draft geotechnical report
- Final geotechnical report

Assumptions

- Rock coring samples and rock testing are not part of this scope.
- Soil to be sampled during this investigation is not contaminated. Environmental drilling is not part of this scope of work. If contaminated soil is encountered, the Design-Builder will stop field investigation program and notify the Owner immediately for direction. Drilling and soil sampling will only be resumed after approval from the Owner.

- This scope does not include any additional testing, analysis, or impacts beyond what is identified in this subtask. If the evaluation results in the need for additional investigation or impacts to this Project, the Design-Builder will notify the Owner.
- It is assumed that shallow foundations can be accommodated in the structural design based upon the existing buildings at the Discovery WTF site. Our design level of effort under the Engineering Design Development task assumes the use and design of shallow foundations as well.
- Additional borings have been included, specifically for the second GST in anticipation of Phase 1 to include the design for the 20-MGD capacity.

Task 5: Engineering Design Development

Task 5.1: Preliminary Design Report Package – 15% Design Package

The Design-Builder will do the following:

- Review the Project requirements and consult with the Owner as appropriate to further clarify requirements for the Project, including Owner's budget, review of Owner's Project criteria, and available Owner-furnished information.
- Evaluate the Project reference documents, including the Owner's Project criteria and, after consultation with Owner, recommend to Owner any modifications to such documents that will benefit the Project in the Design-Builder's judgment.
- Prepare and submit a Draft PDR Deliverable Package, which will include the following:
  - Updated Owner's Project Criteria, including projections for the population to be served, description and map of the service area
  - PDR
    - Summary of alternative evaluations from Task 2.2 and recommendations by the Design-Builder and decisions made by the Owner (including size [building size and process size] of the initial facility and anticipated expansion phases)
    - Assumed raw water characterization from the Raw Water Characterization task
    - Final OCCT TM from the Desktop Corrosion Control Study task with finished water quality goals
    - Membrane projections using commercially available software with evaluation on potential future higher feedwater TDS
    - Perform sensitivity analysis using raw water characteristics, finished water quality goals, membrane projections and other factors to define and recommend the basis of design and design criteria
    - Schematic site and facility layouts, sketches, design criteria, and appropriate exhibits indicating the applicable requirements, considerations involved, and recommended alternate solutions
    - Overall process flow diagram for the new WTF components involved with this Project, showing major process flow streams
    - Preliminary hydraulic profile
    - Operation and control strategy and reliability features
    - Electrical approach, including any new power feed, preliminary one-line diagrams, and summarized coordination with FP&L
    - Routing of onsite major piping, conceptual stormwater management facilities, and other major site civil improvements
    - Boundary and topographic survey of the entire Project site
    - Preliminary geotechnical information (draft or final report if available)
    - Updated Permit Matrix

- For the PDR Deliverable Package, the Design-Builder will: Submit the draft for review; schedule and facilitate a review meeting with Owner to present the package; and respond to Owner review comments.
- Reach consensus with the Owner on the preliminary design feedback comments so design concepts can be frozen or locked and the Design-Builder can proceed with the development of the detail design documents. After this stage, major changes to the design concepts are not expected.
- Review and receive feedback on Project baseline estimate and schedule (refer to the Preconstruction Services task), discuss any value engineering ideas that have been identified, and determine whether to pursue any of these value engineering ideas before the start of detailed design development.
- Quality control (QC) review will be conducted by the Design-Builder before delivering the PDR to the Owner and submitting documents for any permit reviews. These comments will be incorporated into the 30% Design documents.

Deliverables

- Draft and Final PDR—The PDR will consist of an electronic PDF (portable document format) file

Meetings

- One review workshop with the Owner and Owner's Advisor to receive preliminary design review comments
- Biweekly in-person or Teams meetings with the Owner and the Design-Builder as outlined in the Project Management task (PM, Preconstruction Manager, Engineering Manager, and the Design Manager)—Any as-needed discipline leads, subconsultants and subcontractors will call in via Microsoft Teams to review and discuss design progress, make decisions, and address any specific issues needing Owner input and direction

Assumptions

- Design-Builder will conduct a PDR review workshop at an Owner-designated facility within 4 weeks of receiving the PDR. Owner will provide their comments within 15 workdays to the Design-Builder.
- Updated schedule, Risk Register, estimate, and initial discussions involving the procurement plan described in the Task 6 will be discussed at the preliminary design review workshop.
- Following the preliminary design review, the major design concepts for the Project will be fixed, and no further alternatives or variations will be developed as part of the design.
- Owner's review comments (including the Owner's Advisor) will be consolidated and organized into a single review form developed by the Design-Builder and approved by the Owner so the Design-Builder receives clear and unified direction from the Owner before proceeding with the detail design.
- PDR will be used to obtain the FDEP 62-555.900 Specific Permit to Construct PWS Components under the Permitting and Approvals task.

Task 5.2: 30% Design Package

The purpose of this task is to use the preliminary designs and decisions made in the previous stages to further complete and finalize the preliminary calculations, along with further developing the Project design detail. Architectural and structural layouts, major facility piping, process, electrical loads and I&C

approaches, and the site plan are all frozen or finalized before this phase to allow expediting the final detailing of these elements in this phase of design. Changes and updates from the preliminary design review will be incorporated.

During this task, the Preconstruction Team and Design Teams will be integrated to facilitate input and coordinate design, cost estimation, schedule impacts, risk management, scope management, constructability reviews, commissioning reviews, and ODP coordination. These tasks are detailed in Task 6.

Additionally, the Owner will be continuously involved through the biweekly meetings described in this scope. At certain milestones, the team will conduct workshops to facilitate Project understanding and receive Owner comments. The Owner will use Bluebeam sessions set up by the Design-Builder to review ongoing designs for acceptance and comments to be incorporated into the detail design. It is understood that the Design-Builder will continue to work on the detail design in parallel with these intermittent review sessions.

Because the equipment and electrical gear are the critical path of the overall Project schedule, the Design-Builder anticipates using Early Work packages and a two-GMP approach, as described in Task 6 and the schedule in Appendix A, to expedite the construction activities and help mitigate the schedule risks. The final work that is included in each package is subject to change as more information becomes available, priorities change, and as actual versus assumed conditions dictate: (Work packages to be defined by the 30% Design review workshop or earlier). The planned work packages are generally defined as follows.

- Critical Long-Lead Electrical Equipment ODP (Funded and authorized through Construction Allowance No. 1):
  - Generator and fuel tank
  - Low-voltage switchgear
  - Transformer(s)
- WTF Early Site Work (GMP #1 funded and authorized through Construction Allowance No. 2):
  - Laydown areas grading and base, clearing and grubbing, erosion control, demolition, select Yard Piping, stormwater and electrical relocations/modifications and any required cut/fill work, temporary electric, temporary fencing and site security, mobilization of trailers, laydown areas, and dewatering system (Design-Builder and Crom)
  - New primary electric feed (FP&L)
  - Prestressed concrete GST and underslab piping and interconnecting piping to the distribution system and existing high-service pump station
- Long-Lead Process/Electrical Equipment ODP (Funded and authorized through Construction Allowance Request No. 3):
  - RO feed pumps
  - Transfer pumps
  - RO membrane skids, including energy recovery units, and clean-in-place (CIP) system
  - Degasifier and odor control towers
  - Motor control centers and alternating-frequency drives (AFDs)
- All Other Remaining WTF Work (GMP #2 funded and authorized via a contract amendment):

- Includes other non-long-lead ODP, including cartridge filters, chemical tanks and metering pumps, and CO_2 system.

The 30% Design Package will generally include the following items:

- 30% Drawings, including updated site electrical, civil, and yard piping, facility conceptual layouts and some sections, hydraulic profile, process flow diagrams, electrical one-line diagrams, and security system and I&C network diagram
- 30% Specifications TOC
- Updated Permit Matrix
- Updated Decision Log
- 30% Constructability Review Report
- Critical Long-Lead Electrical Equipment ODP Package (30% drawings of related facility plans with specifications brought to a higher level of design so that competitive pricing can be received)

QC review will be conducted by the Design-Builder before delivering the 30% documents to the Owner and submitting documents for any permit review. These comments will be incorporated into the 60% Design documents.

Deliverables

- One PDF of the Draft and Final 30% drawings and specifications TOC
- One PDF of the 30% Constructability Review Report
- Critical Long-Lead Electrical Equipment ODP Package
- Meeting minutes documenting Owner's review comments, Design-Builder responses to comments, and other pertinent issues discussed during the biweekly collaborative meetings (provided in PDF)
- Updated Permit Matrix
- Updated Decision Log

Meetings

The Design-Builder will prepare the 30% Design documents (drawings and specifications TOC) and submit them to the Owner and Owner's Advisor for review and comment with various design disciplines and at various stages of design completions and under one consolidated review at the end of 30% Design. Therefore, the biweekly meeting will be used to address any outstanding comments or unresolved issues that affect the progress of the design, and the decision will be documented in the biweekly minutes for incorporation into the detailed design. The meetings for this subtask include the following:

- Biweekly in-person meetings, as outlined in Project Management with the Owner and the Design-Builder's management (PM, Preconstruction Manager, Engineering Manager, and Design Manager)—Any as-needed discipline leads, subconsultants, and subcontractors will call in via Microsoft Teams to review and discuss design progress, make decisions, and address any specific issues needing Owner input and direction

- 30% Design review workshop with the Owner and Owner's Advisor

Assumptions

- To meet the aggressive schedule, there will be minimal QC review conducted by the Design -Builder before delivering the progress design documents via Bluebeam or biweekly meetings for collaborative review by the Owner.
- Design-Builder will conduct a 30% Design review workshop at an Owner-designated facility within 4 weeks of receiving the review package. The Owner will provide their comments to the Design-Builder within 15 business days.
- Updated schedule, Risk Register, estimate, and related procurement activities described in the preconstruction task will be discussed at the 30% Design review workshop.
- Owner's and the Design-Builder's review comments will be incorporated into the subsequent phase design documents.
- Critical Long-Lead and Long-Lead ODP and Early Work packages scope will be agreed on before the start of the 60% Design phase.
- Owner's review comments (including the Owner's Advisor) will be consolidated and organized into a comment log in a PDF. The Design-Builder will provide responses to all Owner comments in the comment log within 5 business days so the Owner and Design-Builder have a clear and unified direction before proceeding with the 60% design.
- Owner will provide direction by the end of this phase of the Project on what structural and mechanical components (such as whether RO building shell and other facilities will be built for 10, 20 or 30 MGD of equipment) will be included in this Project vs future phases and whether the Design-Builder should include the additional 10-MGD WTF features (for a total of 20 MGD WTF capacity) (1) as an add alternate as part of the ODP and GMP packages, (2) as a future Project to be bid out by the Owner under a separate contract to others after Phase 2 construction is complete or (3) will not be included by the Design-Builder in the remaining design packages. If the Owner chooses Options 1 or 2, the design features will be clearly delineated in the subsequent design packages, and the Design-Builder will invoice for these services, as shown in the Fee Schedule. For either of these options, the Design-Builder will provide future services under the Phase 2 scope of work to address the creation of record drawings, reflecting what was constructed and any components yet to be constructed that will be bid out at a later date (if Option 2 is selected). If the Owner chooses Option 3, the Design-Builder will NOT include the additional 10-MGD features in the subsequent design package, and the Design-Builder will NOT invoice for these related services, as shown in the Fee Schedule. If the Owner does NOT provide direction with regards to Options 1 through 3 until after the conclusion of this task, the Design-Builder reserves the right to evaluate the cost and schedule impacts and notify the Owner in accordance with the prime contract agreement.

Task 5.3: 60% Detail Design Package

After completion of the 30% Design Package, the Design-Builder will proceed with further development and refinement of the design, including development and submittal of a 60% Design Package to the Owner for review and comment. The 60% Design Package will include all documents, drawings, and specifications required under this task or identified as being submitted along with the 60% Design under other tasks. At a minimum, the 60% Design Package will include the following:

- Proposed revisions to Owner's Project criteria
- Final adjudicated and accepted responses to Owner's 30% Review comments
- Final PDR deliverable package
- 60% Drawings
- 60% Specifications
- Long-Lead Process/Electrical Equipment ODP packages (60% drawings of related facilities with specifications brought to an 80% to 90% Design completion stage)
- WTF Early Site Work Package (GMP #1) drawings and specifications brought to an 80% to 90% Design completion stage
- Design models will be substantially developed and presented at the workshop to define the design concepts more fully
- Updated Permit Matrix and Decision Log
- 60% Constructability Review Report
- QC review, which will be conducted by the Design-Builder before delivering the 60% Design documents to the Owner (these comments will be incorporated into the 90% final design documents)

Deliverables

- Final adjudicated and accepted responses to Owner's 30% Review comments
- One PDF of the 60% Design drawings and specifications
- WTF Early Site Work Package design drawings and specifications at approximately 80% to 90% Design completion stage for preparation of the Early Work GMP #1 package
- Long-Lead Process/Electrical Equipment ODP equipment packages (60% Design drawings of related facilities with related specifications brought to an 80% to 90% Design completion stage)
- Three-dimensional models in PDF format
- Meeting minutes documenting Owner's review comments, Design-Builder responses to comments, and other pertinent issues discussed during the biweekly collaborative meetings (provided in PDF)
- Updated Permit Matrix
- Updated Decision Log

Meetings

The Design-Builder will prepare the 60% Design documents (drawings and specifications) and submit to the Owner and Owner's Advisor for review and comment through Bluebeam for collaborative sessions with various design disciplines and at various stages of design completions and under one consolidated review at the end of 30% Design. Therefore, the biweekly meeting will be used to address any outstanding comments or unresolved issues that affect the progress of the design, and the decision will be documented in the biweekly minutes for incorporation into the detailed design. The meetings for this subtask include the following:

- Biweekly in-person meetings, as outlined in the Project Management task, with the Owner and the Design-Builder management (PM, Preconstruction Manager, Engineering Manager and Design Manager)—Any as-needed discipline leads, subconsultants, and subcontractors will call in via Microsoft Teams to review and discuss design progress, make decisions. and address any specific issues needing Owner input and direction
- 60% Design Review workshop with the Owner and Owner's Advisor

Assumptions

- To meet the aggressive schedule, there will be minimal QC review conducted by the Design-Builder before delivering the design documents via Bluebeam for collaborative review by the Owner.
- Design-Builder will conduct a 60% Design review workshop at an Owner-designated facility within 4 weeks of receiving the review package. The Owner will provide their comments to the Design-Builder within 15 business days.
- Updated schedule, Risk Register, estimate, and related procurement activities described in the preconstruction task will be discussed at the 60% Design review workshop.
- Owner's and the Design-Builder's review comments will be incorporated into the subsequent phase design documents.
- Owner's review comments (including the Owner's Advisor) will be consolidated and organized into a comment log in a PDF. The Design-Builder will provide responses to all Owner comments in the comment log within 5 business days so the Owner and Design-Builder have a clear and unified direction before proceeding with the 90% design.
- While identification of value engineering ideas will continue through all stages of design, value engineering efforts to meet budget are not expected to occur after the 30% Design Deliverable has been completed. It is assumed that the Owner's budget is clearly defined at this point and agreement on any changes necessary to meet that budget will have been made.

Task 5.4: 90% Final Design Documents

The final design documents, including drawings, standard details, and specifications, will be developed, incorporating responses and resolutions to issues raised in the Detail Design Package task and integrating mutually agreed-upon elements into these design documents. The purpose of this task is to develop the final design drawings and technical specifications to be used for GMP #2 Proposal development. Updates, revisions, and comments from the detailed design review will be incorporated. The drawings, specifications, and three-dimensional models will be completed.

During this task, the integrated Preconstruction and Design Teams will facilitate input and coordinate design, cost estimation, schedule impacts, risk management, scope management, constructability reviews, commissioning reviews, and ODP coordination. These tasks are detailed in the Preconstruction Services task.

The final design documents will include the following:

- 90% Final Drawings, details, and technical specifications will be prepared for final review before completing the final construction documents. This set of documents will be used to develop the GMP #2 Price Proposal. Comments from this review will be incorporated into the final construction documents.

- Design models will be finalized and presented at the workshop to define the final design more fully.
- Written responses and intended resolutions to the Owner's 60% Design review comments will be prepared.
- QC review will be conducted by the Design-Builder before delivering the 90% Design documents to the Owner and submitting documents for permit review. These comments will be incorporated into the final construction documents.

Deliverables

- Written responses and intended resolutions to the Owner's 60% Design review comments
- One PDF of the final design documents, including the following:
  - Final drawings, details, and specifications required to develop the GMP #2 Price Proposal and obtain the required permits to construct the remaining work activities.
- Three-dimensional models in PDF format
- 90% Design review workshop agenda and meeting minutes in PDF
- Biweekly agenda and meeting summary notes of any major decisions or action items
- Updated Permit Matrix
- Updated Decision Log

Meetings

- Biweekly in-person meetings, as outlined in the Project Management task, with the Owner and Owner's Advisor and the Design-Builder's management (PM, Preconstruction Manager, Engineering Manager and Design Manager)—Any as-needed discipline leads, subconsultants, and subcontractors will call in via Microsoft Teams to review and discuss design progress, make decisions, and address any specific issues needing the Owner's input and direction
- 90% Design review workshop with the Owner and Owner's Advisor

Assumptions

- Owner's and the Design-Builder's QC review comments, along with comments from appropriate permitting agencies (if available), will be incorporated into the subsequent phase design documents.
- To meet the aggressive schedule, there will be minimal QC review conducted by the Design-Builder before delivering the design documents via Bluebeam for collaborative review by the Owner.
- Design-Builder will conduct a 90% Design review workshop at an Owner-designated facility within 4 weeks of receiving the review package. The Owner will provide their comments within 15 business days to the Design-Builder.
- Updated schedule, Risk Register, and procurement activities described in the Preconstruction task will be discussed at the 90% Design review workshop.
- Owner's and the Design-Builder's review comments will be incorporated into the subsequent phase design documents.

- Owner's review comments (including the Owner's Advisor) will be consolidated and organized into a comment log in a PDF. The Design-Builder will provide responses to all Owner comments in the comment log within 5 business days so the Owner and Design-Builder have a clear and unified direction before proceeding with the 100% design.

Task 5.5: 100% Final Construction Documents

The 100% Final Construction Document design drawings, standard details, and specifications will be developed, including responses and resolutions to issues raised in the previous task.. In addition, any relevant comments from regulatory agencies will be addressed, if available. The purpose of this task is to develop the final construction drawings and technical specifications to be used for permitting and construction. Updates, revisions, and comments from the 90% final design review, any final GMP #2 Price Proposal adjustments, and permitting agency review comments, if available, will be incorporated into the 100% Final Construction Documents. The drawings, specifications, and three-dimensional models will be updated.

Deliverables

- Written responses and intended resolutions to the Owner's 90% Design review comments
- Final Construction Document Package (Issued For Construction)
- Biweekly agenda and meeting summary notes of any major decisions and or action items
- Three-dimensional models in PDF
- Updated Permit Matrix
- Updated Decision Log

Meetings

- Biweekly in-person meetings (if needed), as outlined in the Project Management task, with the Owner, Owner's Advisor, Design-Builder's management (PM, Preconstruction Manager, Engineering Manager and Design Manager)—Any as-needed discipline leads, subconsultants, and subcontractors will call in via Microsoft Teams to review and discuss design progress, make decisions, and address any specific issues needing the Owner's input and direction.

Assumptions

- Following agreement with the GMP and comments received following the 90% Design documents submittal, including comments from permitting agencies, subcontractors, and vendors, the Design-Builder will coordinate all design document changes and incorporate those changes into a 100% Construction Document set under this task. It is possible that some comments may come in after this set is delivered, and thus, these comments will need to be incorporated into a conformed set issued during Phase 2 services. The efforts to produce such a set of conformed documents (if needed) will be included in the GMP amendment under Scope 2 services.
- This scope is for development of construction documents intended for design-build delivery. It does not include development of additional documents that may be required in an off-ramp scenario to support a subsequent public bid procurement process.

Task 5.6: ODP and Subcontractor Bid Support Evaluation Services

Under this task, the Design-Builder's Design Team will coordinate with the Preconstruction Team and provide technical input to the scopes of work, review and evaluate bids, and answer all technical RAIs during the bidding period for all ODP packages and subcontractor packages.

Deliverables

- Completed bid evaluation review form in PDF

Meetings

None

Assumptions

- Up to 12 ODP equipment bid packages will be produced and reviewed.
- Up to 10 Subcontractor bid packages will be produced and reviewed.

Task 5.7: ODP Equipment Submittal Review

Under this task, the Design-Builder will coordinate with the vendor and provide multidiscipline review of critical and long-lead electrical and process mechanical equipment submittals provided by the selected ODP equipment suppliers before the Phase 2 GMP #2 contract amendment execution.

Deliverables

- Submittal review comments in PDF

Meetings

None

Assumptions

- Review of approximately nine critical and long-lead electrical and process mechanical equipment package submittals are included in this scope of work. The other three ODP equipment packages are assumed to be non-critical and efforts to review their submittals will be included in the GMP #2 contract amendment.
- No subcontractor submittal review time is included in this scope of work and will be included under the Engineering Services During Construction in Phase 2.

Task 6: Preconstruction Services

Task 6.1: Cost Estimating

Throughout Phase 1, the Design-Builder will develop and maintain the Project Cost Model using industry standard cost-estimating software.

Task 6.1.1: Indicative Project Cost Model

- Within 60 days of NTP, the Design-Builder will develop an Indicative Project Cost Model for the 10-MGD and 20-MGD constructed scenarios to help inform and drive decisions in the alternatives analysis under the Alternative Analyses and Technical Workshops task. The Indicative Estimates are intended to provide an indication of the final Project cost, which will enable a ranking to be made for the options being considered. The Design-Builder will include the following with the Indicative Project Cost Model Package:
  - Indicative Project Cost Models for the 10-MGD and 20-MGD constructed scenarios
  - Indicative Project Schedules for the 10-MGD and 20-MGD constructed scenarios
- After submission of the Indicative Project Cost Models, the Design-Builder will hold one review workshop via Microsoft Teams for up to 4 hours with the Owner and Owner's Advisor to review the Design-Builder's observations and recommendations. Attendees will include, at a minimum: the PM, Engineering Manager, and Design Manager. The Design-Builder will capture and distribute meeting minutes of the workshop decisions.

Task 6.1.2: Baseline (PDR) Project Cost Model

- Within 4 weeks of submission of the PDR, the Design-Builder will develop and submit a Baseline Project Cost Model based on the PDR design documents for the entire 10-MGD or 20-MGD WTF (that is, inclusive of both GMP #1 and GMP #2 scope items). The Baseline Project Cost Model will identify all Project tasks and include a preliminary work breakdown structure (WBS) needed to complete the Project and estimate the costs, duration, and sequence of tasks to the Project Team. The Cost Model will be based on a detailed labor and material type cost estimate, consistent with Association for the Advancement of Cost Engineering (AACE) practices and to an AACE Class 4 (-30%/+50%) estimate level. The Design-Builder will include the following with the Baseline Project Cost Model Package:
  - Baseline Project Cost Model
  - Baseline Project Schedule
  - Preliminary Risk Register
  - List of assumptions and clarifications that form the basis of the Cost Model
- After submission of the Baseline Project Cost Model, the Design-Builder will hold one in-person review workshop for up to 8 hours with Owner and Owner's Advisor to review to review the Design-Builder's observations and recommendations. Attendees will include, at a minimum: the PM, Engineering Manager, Preconstruction Manager, and Construction Manager. The Design-Builder will capture and distribute meeting minutes of the workshop decisions.

Task 6.1.3: 30% Project Cost Model

- Within 4 weeks of submission of the 30% Design, the Design-Builder will develop and submit an updated Project Cost Model Package based on the 30% Design for the entire 10-MGD or 20-MGD WTF (that is, inclusive of both GMP #1 and GMP #2 scope items) for the Owner's formal evaluation and review. The estimate will be developed to an AACE Class 2 (-15%/+20%) estimate level. The 30% Project Cost Model Package will include the following:
  - 30% Project Cost Model based on Owner-directed sizing (10 MGD versus 20 MGD)
  - 30% Project Schedule
  - Updated Risk Register
  - Draft Procurement and Buyout Plan
  - Draft Site Logistics Plan
  - Draft Commissioning Approach
  - Identification of value engineering and construction phasing concepts that will result in cost or schedule savings (identify any material or equipment prepurchase and their cost(s), and identify risks and benefits associated with construction phasing concepts)
  - List of assumptions and clarifications that form the basis of the Cost Model
- After submission of the 30% Project Cost Model, the Design-Builder will hold one in-person review workshop for up to 8 hours with Owner and Owner's Advisor to review to review the Design-Builder's observations, value engineering concepts, Risk Register, and recommendations. Attendees will include, at a minimum: the PM, Engineering Manager, Preconstruction Manager, and Construction Manager. The Design-Builder will capture and distribute meeting minutes of the workshop decisions.

Task 6.1.4: 60% Project Cost Model

- Within 6 weeks of submission of the 60% Design, the Design-Builder will develop and submit an updated Project Cost Model Package based on the 60% Design for the Owner's formal evaluation and review. The Cost Model will be specific to GMP #2 scope items (developed to the 60% Design level). The estimate will be developed to an AACE Class 1 (-10%/+15%) estimate level. Concurrently with this Cost Model, the GMP #1 Price Proposal will be developed for the GMP #1 scope. The 60% Project Cost Model Package will include the following:
  - 60% Project Cost Model
  - 60% Project Schedule
  - Updated Risk Register
  - Updated Procurement and Buyout Plan
  - Updated Site Logistics Plan
  - Updated Commissioning Approach
  - List of assumptions and clarifications that form the basis of the Cost Model
- Design-Builder will prepare the non-subcontractor portions of the work, including:
  - General conditions (staffing and expenses)
  - ODP

  - Services during construction
  - Permitting and regulatory fees
  - Startup and commissioning
  - I&C integration
  - Allowances: For items that will be needed, but the quantity or specific scope is not known
  - Contingency: For items that may occur with a cost impact; this is developed in conjunction with the Risk Register
  - Insurance and bonds
- As part of the 60% Cost Model, the Design-Builder will bid out the subcontracted packages. The bidding process will be aligned with the Procurement and Buyout Plan and with the proposed sequence of work for efficient execution and to encourage market interest.
- Design-Builder will administer the bid process with subcontractors, including:
  - Prepare Request for Bids documents for each package. This includes:
    - Prepare the administrative documents (terms and conditions, bid form, flow down contract, example subcontract, health and safety plan, warranty requirements, and scope of services).
    - Coordinate with the design team on the design documents.
  - Coordinate with subcontractors for each package, including issuing the Request for Bids, checking in with bidders, reviewing and answering questions through addendum, and receiving bids,
  - Adjudicate the bid and bid exceptions and making recommendations to the Owner.
- After submission of the 60% Project Cost Model, the Design-Builder will hold one in-person review workshop for up to 8 hours with the Owner and Owner's Advisor to review the Design-Builder's observations, value engineering concepts, Risk Register, and recommendations. Attendees will include, at a minimum: the PM, Engineering Manager, Preconstruction Manager, and Construction Manager. The Design-Builder will capture and distribute meeting minutes of the workshop decisions.

Task 6.1.5: Trend Logs

- Design-Builder will develop and maintain a Design Trend Log and Cost Trend Log. These logs could be separate or combined with other decision logs based on the needs of the Project Team.
- These logs will track potential cost-saving proposals, value engineering concepts, risk mitigation concepts, Owner-approved changes ultimately approved by the Owner, and all major changes from the Baseline Cost Model that arise as part of the design evolution process.
- Where appropriate, the Design-Builder will identify options for resolving the change and, in a timely fashion, estimate the cost and schedule impact associated with adopting the change to support evaluation of the change. The log will allow for consistent tracking of deviation from the Project baseline cost and schedule.
- Log(s) will be provided to the Owner in the monthly progress report during design and discussed as necessary during progress meetings. The Design-Builder will advise the Owner through the Cost Trend Log when the Cost Model is trending higher than the Owner's available funding limit.

- After each formal Cost Model submission, the Design-Builder will work with the Owner to review and reconcile comments and identify and update Project risk allocations and usage.

Deliverables

- Draft cost model showing format, layout, WBS, etc.
- Indicative Project Cost Model Package
- Baseline Project Cost Model Package
- 30% Project Cost Model Package
- 60% Project Cost Model Package
- Cash flow projection for budgeting on an annual spending basis (Fiscal Year begins October 1)
- Meeting minutes for Cost Model review workshops (four total)
- Monthly trend log updates

Meetings

- Teams meeting to discuss and agree on cost model expectations, WBS, and formatting
- Indicative Project Cost Model workshop
- Baseline Cost Model workshop
- 30% Cost Model workshop
- 60% Cost Model workshop

Assumptions

- Only one version of each Cost Model Package is provided. Comments on Cost Model Packages will be incorporated into subsequent Cost Model or GMP submissions.
- Owner will review Cost Model Packages and provide consolidated review comments to the Design-Builder within 15 working days of receipt.
- It is expected that Owner will obtain Water Infrastructure Finance and Innovation Act (WIFIA) funding, and estimates will comply with contract requirements outlined in Section XVII of the Local Government Addendum related to funding.
- No 60% Cost Model will be developed for GMP #1 scope of work.

Task 6.2: Risk Management

- Design-Builder will develop and maintain a Project Risk Register during Phase 1. The Risk Register will be used to mitigate risks during design and inform and develop appropriate and Project-specific contingency values in the 60% Cost Model and GMP Price Proposals.
- Design-Builder will submit the Risk Register as part of the Cost Model and GMP Price Proposals and will review the risks with the Owner as part of the Cost Model and GMP Price Proposal review meetings.

Deliverables

- Risk registers will be submitted as part of the Cost Model Packages described in Task 6.1.

Meetings

- Risk registers will be reviewed as part of the Cost Model workshops described in Task 6.1.

Assumptions

None

Task 6.3: Subcontractor and ODP Procurement

Task 6.3.1: Procurement Plan

- Design-Builder will develop a Procurement and Buyout Plan addressing the following:
  - Describe packages that will be self-performed, and which packages will be competitively bid or not.
  - Describe approach for packaging the work and identify work that the Design-Builder intends to self-perform.
  - Identify and recommend which work should be procured through value-based competitive selections instead of low-bid selection.
  - Describe approach to engage and encourage participation from local businesses including at the Vendor Exposition outlined under the Public Outreach Planning and Support task.
  - Describe the criteria (qualifications and price) that will be used to analyze competitive bids for each element of the work.
  - All procurement procedures will be in compliance with the Owner's procurement rules as defined in the contract.
  - See the Subcontracted Work and ODP Tasks below for ODP activities that are documented in the Procurement Plan.
- Design-Builder will actively "premarket" the Project with local trade subcontractors, equipment vendors, and material suppliers to increase awareness and interest in submitting competitive bids and quotes.

Task 6.3.2: Subcontracted Work

- Determine the optimal subcontractor work packages and the work to include in each in order to maximize participation and competitive pricing. This item will be documented in the Procurement Plan.
- Provide market outreach to the subcontracting community to garner attention and obtain interest in the project from the subcontracting community.
- Develop a potential bidder's list broken down by subcontractor work package to be shared with the Owner.
- Detailed scopes of work and bid forms will be developed, and any teaming subcontractors will be required to provide open-book and transparent pricing.

- Develop, issue, and administer bid documents for each subcontractor work package.
- Adjudicate bids to confirm the bid meets the design and bidding requirements.
- Summarize the technical, commercial and financial review of each subcontractor work package.
- Evaluate and resolve any alternate bids, exceptions, and clarifications.
- The Design-Builder will work closely with the Owner to review bid packages and select the best value bidders for inclusion in each GMP Price Proposal.
- Negotiate final price, schedule, scope and terms and conditions for each subcontract work package to be included in the GMP Price Proposals.
- Notify the bidders and prepare a summary of bids document for each subcontractor work package.

Task 6.3.3: Owner Direct Purchase

- Design-Builder will work with the Owner to facilitate ODP of certain equipment. The scope for ODP in this section focuses on the Preconstruction Team's efforts. Design efforts related to ODP procurement and submittal review are included under the ODP and Subcontractor Bid Support Evaluation Services and ODP Equipment Submittal Review tasks. The preconstruction effort will include the following for GMP #1:
  - Coordinate with the Owner to determine which equipment to include as ODP. This is generally determined based on the potential tax savings with the equipment, lead time needs, and risks associated with purchasing that equipment through ODP. This item will be documented in the Procurement Plan.
  - Develop a summary list of ODP equipment, lead time, cost, potential bidders, and delivery date. This item will be documented in the Procurement Plan.
  - Coordinate with the Owner on the terms and conditions of the purchase order. This item will be documented in the Procurement Plan.
  - Develop, issue, and administer bid documents for each ODP item.
  - Adjudicate bids to confirm the bid meets the design and bidding requirements.
  - Summarize the technical and financial review of each ODP for the Owner's review.
  - For each bid package, make a recommendation and work with the Owner to determine the selected bidder and discuss any exceptions to the bid.
  - Facilitate resolution to any bid exceptions, if necessary.
  - Develop and submit an allowance use request to the owner for Construction Allowances No. 1 and 3 as outlined in Task 8.2.
  - Notify the bidders and prepare a summary document for each ODP for the Owner's Procurement Department to issue the purchase order.
  - Package the purchase order with the scope and technical documents to provide a complete purchase order package to the equipment supplier.

- Coordinate with the equipment supplier following purchase on items like shop drawings, delivery dates, and invoice review.

Deliverables

- Procurement Plan Draft and Final
- Up to 12 ODP equipment bid packages and bid summaries
- Up to 10 subcontractor bid packages and bid summaries

Meetings

- Up to two meetings with the Owner's Procurement Department to facilitate development of the Procurement Plan and ODP strategy.

Assumptions

- Up to 12 ODP equipment bid packages will be produced and reviewed.
- Up to 10 subcontractor bid packages will be produced and reviewed.
- The Critical Long-Lead Electrical and Long-Lead Process/Electrical ODP items as outlined in Task 5.2, 30% Design Package will be funded using Allowances for Early Construction Services included under Task 8.2. If sufficient funds are not available in the allowance, additional funds would be authorized in a contract amendment.

Task 6.4: Design-Build Schedule

- Design-Builder will develop and submit a design-build schedule that will incorporate both Phase 1 and Phase 2 activities:
  - Schedule will be developed in Primavera P6 software package.
  - Schedule will be a critical path method schedule and identify all critical path activities, including long-lead equipment procurement items, if any.
  - Schedule provided during Phase 1 of the Project will be detailed to show the sequence of all Phase 1 activities (design and preconstruction), while the Phase 2 (final design, construction, and commissioning phase) activities will be a higher level, summary-type schedule.
  - Phase 1 schedule updates will be prepared monthly to show progress of the work completed, status of work in progress, and the upcoming activities.
  - Phase 2 activities will be developed to further detail as the design evolves to reflect the current design and include greater level of detail.

Deliverables

Design-Build schedules will be submitted as part of the Cost Model Packages described in Task 6.1.

Meetings

Risk schedules will be reviewed as part of the Cost Model workshops described in Task 6.1.

Assumptions

None

Task 6.5: Constructability Reviews

- Design-Builder will provide constructability reviews of the design as it progresses and at the 30% and 60% Design submittal milestones. Comments from contractility reviews of the design documents will be incorporated into the design documents as part of this QC process and as the Project progresses.
- As part of design review meetings, the Design-Builder will highlight potential constructability issues, cost- and schedule-saving alternatives, and Design-Builder's recommendations and conduct follow-up activities as needed to resolve issues.
- Design-Builder will provide formal value engineering and constructability review at the 30% and 60% Design milestones as part of the Cost Model Packages.
- Design-Builder will also compile comments in a tabular format acceptable to the Owner with supporting documentation (descriptions, sketches, drawings, Bluebeam markup, PowerPoint presentation) as necessary to convey intent.

Deliverables

None

Meetings

None

Assumptions

None

Task 6.6: Commissioning and Operability Reviews

- Design-Builder's Commissioning Specialist will review and evaluate the design documents and Project schedule as the Project progresses to confirm it will meet the functional requirements defined by the Owner and to incorporate commissioning efforts into the design.
- Design-Builder will lead and attend a workshop with the Owner shortly after the 30% Design milestone to discuss construction and commissioning sequencing, constraints, and critical tie ins and shutdowns/ interruptions. The intent is build this information into the Project sequencing, maintenance of operations (MOPO) and commissioning plans, schedule, and subcontractor scopes of work.
- Commissioning reviews will be completed at the PDR, 30%, and 60% Design document stages and will occur concurrently with the Design-Builder's internal QC process. Comments from the Commissioning Specialist's review of the design documents will be incorporated into the design documents as part of this QC process and as the Project progresses.
- Commissioning Specialist will develop a preliminary commissioning and training approach. The written approach will be included in the Cost Model submissions, and the approach will become the basis of the Design-Builder's GMP for commissioning and operational assistance support.

- After submission of the commissioning approach narratives, the Design-Builder will hold on-person workshops with the Owner to review Design-Builder's approach. Attendees will include, at a minimum: the PM, Process Lead, and Commissioning Manager. The Design-Builder will hold up to three, 4-hour-long on-person commissioning-focused workshops.
- Design-Builder will capture and distribute meeting minutes of the workshop decisions.

Deliverables

- Meeting minutes for commissioning review workshops (three total)
- Preliminary commissioning and training approach

Meetings

- Commissioning Approach workshops (three total)
- Critical tie-in and sequencing workshop attended by up to 5 of the Design-Builder's staff

Assumptions

None

Task 6.7: Subcontractor Preconstruction Services

- Design-Builder will contract with Crom Corporation (Crom) to provide preconstruction services during Phase 1. This will include the following tasks performed by Crom as it relates to their construction scope of work, which includes the prestressed concrete GST(s) and select early site work under GMP #1:
  - Design input
  - Constructability reviews
  - Schedule input
  - Cost estimating and value engineering support

Deliverables

None

Meetings

None

Assumptions

None

Task 7: Phase 2 Price Proposal Development

Task 7.1: GMP #1 Proposal

- Within 5 weeks of submission of the 90% Design for the GMP #1 scope, the Design-Builder will prepare a detailed GMP #1 Price Proposal, meeting the requirements described in ARTICLE 6 of the PDB Contract, with an open-book line-item cost breakdown on subcontracted and self-performed work, contingency (with its basis), and any clarifications, assumptions, or qualifiers.
- The GMP #1 bid book will include the following:
  - GMP Proposal for GMP #1 scope
  - Updated Project Schedule
  - GMP #1 Risk Register
  - Final Procurement and Buyout Plan
  - Updated Site Logistics Plan
  - Updated Commissioning Approach
  - List of assumptions and clarifications that form the basis of the GMP
- Design-Builder will lead collaborative review of the GMP #1 Proposal. Assume one 8-hour workshop with the Owner and Owner's Advisor to review details of Proposal, including results of procurement activities, differences from previous Cost Models, work approaches that serve as the basis for production rates and activity durations, and the basis for proposed contingency. The Design-Builder will capture and distribute meeting minutes of the workshop decisions.
- Based upon the review workshop, the Design-Builder will update the GMP #1 Proposal and submit the final GMP #1 Proposal to the Owner.

Deliverables

- Draft GMP #1 Price Proposal
- Final GMP #1 Price Proposal
- Meeting minutes for GMP review workshop

Meetings

- GMP #1 review workshop

Assumptions

- GMP #1 is assumed to be funded from the construction allowance under the Allowances for Early Construction Services task. If sufficient funds are not available in the allowance, additional funds would be authorized in a contract amendment.
- Owner will review the GMP #1 Price Proposal and provide consolidated review comments to the Design-Builder within 15 business days of receipt.
- It is expected that Owner will obtain WIFIA funding, and estimates will comply with contract requirements related to funding.

Task 7.2: GMP #2 Proposal

- Within 7 weeks of submission of the 90% Design for GMP #2 scope, the Design-Builder will prepare a detailed GMP #2 Proposal, meeting the requirements described in ARTICLE 6 of the PDB Contract, with an open-book line-item cost breakdown on subcontracted and self-performed work, contingency (with its basis), and any clarifications, assumptions, or qualifiers.
- The GMP #1 bid book will include the following:
  - GMP Proposal for GMP #2 scope
  - Updated Project Schedule
  - GMP #2 Risk Register
  - Final Procurement and Buyout Plan
  - Updated Site Logistics Plan
  - Final Environmental Management Plan detailing programs for a stormwater pollution prevention plan and handling other environmental issues (dust, onsite chemicals, and fuel) if required to comply with permits and regulations applicable to the Project
  - List of assumptions and clarifications that form the basis of the GMP
- Design-Builder will lead collaborative review of the GMP #1 Proposal. Assume one 8-hour workshop with the Owner and Owner's Advisor to review details of the Proposal, including results of procurement activities, differences from previous Cost Models, work approaches that serve as the basis for production rates and activity durations, and the basis for proposed contingency. The Design-Builder will capture and distribute meeting minutes of the workshop decisions.
- Based upon the review workshop, the Design-Builder will update the GMP #1 Proposal and submit the final GMP #1 Proposal to the Owner.

Deliverables

- Draft GMP #2 Price Proposal
- Final GMP #2 Price Proposal
- Meeting minutes for GMP review workshops

Meetings

- GMP #2 review workshop

Assumptions

- GMP #2 will be funded through a contract amendment as outlined in the contract agreement.
- Owner will review GMP #2 Price Proposal and provide consolidated review comments to the Design-Builder within 15 business days of receipt.
- It is expected that Owner will obtain WIFIA funding, and estimates will comply with contract requirements related to funding.

Task 8: Additional Services and Allowances

This Additional Services and Allowances Task provides for additional design, permitting, and preconstruction services that could not be accurately defined at the time this scope of work was created and early construction services needed to maintain the aggressive delivery schedule. Compensation for and authorization to use all allowance work will be in accordance with the provisions of the contract agreement outlined in Article 6.6. Identified allowance items, as shown in Task 8.1 and 8.2, were used to define and establish an overall allowance fund as described under the compensation section of this Exhibit B general description.

Task 8.1: Allowances for Additional Design, Permitting and Preconstruction Services

The allowance items under this task are outlined in Table 4 and are for additional design, permitting, and preconstruction services that could not be accurately defined at the time this scope of work was created; thus these items will be billed on a time and material not to exceed basis. All labor and expenses for the Design-Builder to support these services are also included in each of these allowance items. Once the quantity and type of services are determined for each item, the Design-Builder will make an allowance request to the Owner for approval. Further detail and assumptions regarding each allowance item can be found in Appendix B. Any unused allowance will belong to and be returned to the Owner at the conclusion of this contractual agreement.

Table 4. Allowance Items for Additional Design, Permitting, and Preconstruction Services

Allowance Task Number	Description
8.1.1	Public outreach planning and support services described in the Public Outreach and Support subtask
8.1.2	Funding assistance services described in Funding Assistance subtask
8.1.3	Owner-directed additional services described in the Owner-Directed Additional Services Allowance subtask

Task 8.1.1: Public Outreach Planning and Support

The Design-Builder's subconsultant will provide the following public outreach services during Phase 1, as needed and requested by the Owner, to establish notification and lines of communication with the public. Phase 2 services will be provided under GMP #2 contract amendment. Phase 1 services will include, but are not limited to the following:

- Development of Resident and Stakeholder Database: Develop the stakeholder database, which will be updated and maintained for the duration of the design phase of the Project. The database will include all residential properties and businesses within 500 feet of the Project corridor using Appraiser's Office, Google Earth, and Google Maps. Stakeholders include schools, places of worship, emergency services, HOA's, certified and registered civic and neighborhood associations, emergency services, elected officials, and other interest parties.

- Development of Project Web Page: Develop a Project web page that can be hyperlinked to the Owner's web page. Services will include development of web page, Secure Sockets Layer certification for Project duration, web page hosting, Google translate, and Americans with Disabilities Act compliance.
- Development of Project Hotline: Develop and staff a Project-specific hotline as a first point of contact for the Owner during working hours (Monday through Friday 9 a.m. to 5 p.m.). Calls that come in before or after hours will be responded to the next business day.
- Development of Informational Mailer(s): Draft and edit an informational mailer(s) to be mailed to the stakeholders so they are aware of the Project and have the hotline number and email address to reach out to with questions and concerns (they should not be reaching out to the Owner or staff during the design phase). The Owner will review and comment, and the comments will be addressed by the Design-Builder's subconsultant.
- Project Team Meetings: Attend the kickoff meeting and Project Team meetings as requested to present and discuss and update the public outreach plans and documents.
- Public Meeting(s): Provide logistics for public meetings during the Phase 1 scope of services and help locate a venue and arrange all necessary audiovisual (AV) equipment and refreshments if needed. Services will also include providing sign-in sheets, the agenda, meeting materials, and comment cards and drafting, editing, and mailing public meeting notices. The Owner will be provided a copy of all meeting materials, agenda, and notices for review and comments, and the comments will be addressed by the Design-Builder's subconsultant.
- Subcontractor Outreach: Prepare for, provide as needed materials and attend the Owner's Vendor Expositions that are in October of 2026 and April of 2027 with the intent of informing the subcontracting community of the Project and obtaining a higher level of local participation and opportunities during the bidding process.

Deliverables

- Resident and stakeholder database
- Project web page
- Project hotline, including a log of calls and responses
- Informational mailers (draft and final versions)
- Public meeting materials as requested by the Owner (draft and final versions)

Meetings

- Project team coordination meetings with the Owner, Owner's Advisor, or Design-Builder as requested to coordinate services requested under this task
- Prepare for and attend Owner's Vendor Expositions
- Public meeting(s) as requested by the Owner

Assumptions

- All labor and expenses (that is, postage, materials, travel, printing, web fees) for services and materials requested will be charged at the rates shown in Appendix B.

Task 8.1.2: Funding Assistance

The Owner is seeking support from the Design-Builder to potentially fund a portion of the Project from state and or federal funding agencies. The Design-Builder will meet with the Owner to establish financing goals and objectives and identify potential funding opportunities. A 2-hour workshop via Microsoft Teams will be held with the Owner and Owner's Advisor to identify the financing goals and objectives and discussions of target financial metrics that the Owner seeks to maintain or achieve, such as bond coverage ratios, and minimum funding balances and identify funding avenues that the Owner is already pursuing and those they would be interested in pursuing. Design-Builder will then use the "Grant Finder Tool" and other targeted research efforts to identify additional potential funding programs and prepare a presentation for a 1-hour meeting via Microsoft Teams to report the findings and obtain feedback and direction from the Owner on which opportunities they would like the Design-Builder's assistance on. The Design-Builder will provide a proposal for these services and obtain approval from the Owner before starting any work. Services may include providing research, preparing applications, meeting with funding agencies, reviewing applications, developing supporting documentation for applications, providing compliance guidance, and other services related to funding assistance that the Design-Builder has expertise in and are requested by the Owner during the Phase 1 delivery of this Project.

Deliverables

- Meeting agenda and minutes from meetings
- Grant Finder Tool summary of opportunities identified
- Presentation for Grant Finder Tool findings meeting
- Proposals for funding assistance services
- Other funding assistance deliverables as requested by the Owner

Meetings

- 2-hour initial funding kickoff workshop via Microsoft Teams
- 1-hour Grant Finder Tool findings meeting via Microsoft Teams
- Other funding assistance meetings as requested by the Owner

Assumptions

- All labor and expenses (such as travel) for services requested will be charged at the rates shown in Appendix B.

Task 8.1.3: Owner-Directed Additional Services Allowance

This Owner-Directed Additional Services Allowance task provides for additional services related to the Project not otherwise identified in this scope. These additional services could be because of the allowance items in previous tasks not having sufficient funding, additional scope requests made by the Owner, or unforeseen circumstances. The Design-Builder will not proceed with such services or use this budget amount without first submitting a representative scope and fee and receiving written authorization from the Owner's PM.

Task 8.2: Allowances for Early Construction Services

The allowance funds under this task are for construction services needed to maintain the aggressive overall Project schedule including the following:

- Allowance No. 1 – Critical Long-Lead Electrical Equipment ODP, such as:
  - Generator and fuel tank
  - Low-voltage switchgear
  - Transformer(s)
- Allowance No. 2 – WTF Early Site Work (submitted as GMP #1 using construction allowance funds), such as:
  - Laydown areas grading and base, clearing and grubbing, erosion control, demolition, select yard piping, stormwater and electrical relocations/modifications and any required cut/fill work, temporary electric, temporary fencing and site security, mobilization of trailers, laydown areas, dewatering system (Design-Builder and Crom)
  - New primary electric feed (FP&L)
  - Prestressed concrete GST, underslab piping and interconnecting piping to the distribution system and existing high-service pump station
- Allowance No. 3 – Long-Lead Process/Electrical Equipment ODP, such as:
  - RO feed pumps
  - Transfer pumps
  - RO membrane skids and CIP system
  - Degasifier and odor control towers
  - Motor control centers and AFDs

Actual services included may vary from those described previously and will be mutually agreed upon and determined by the Owner and Design-Builder during the delivery of the Phase 1 work. The Design-Builder will provide a Price Proposal as outlined in the GMP #1 Proposal task for GMP #1 and competitive bids with backup documentation and a bid summary for all ODP funded from this construction allowance. The Design-Builder will not proceed with any services under this task or use this budget amount without first submitting a receiving written authorization from the Owner's PM.

General Assumptions and Clarifications

Please note that some assumptions are listed in specific tasks. The following general assumptions apply to all tasks identified under this scope of services:

- Project scope and deliverables outlined herein are the basis of the schedule, fee, and level of effort provided by the Design-Builder.
- Design will be completed using the 9th Edition (2026) Florida Building Code which was not available for review when this scope of services was developed.
- Design of one Tier 2 generator, fuel tank, and necessary appurtenances is included in this scope of services.
- The Discovery WTF site is assumed to have no gopher tortoises or other exotic species and thus no such environmental assessment has been included in this scope of services.
- No unsuitable or contaminated soils or groundwater will be encountered on the Project.
- Delays beyond the control of the Design-Builder may require an extension and corresponding fee adjustment.
- Information and data provided by the Owner are accurate and reliable.
- No hazardous waste, asbestos, lead paint, soil contamination, or other types of contamination are known to be present. If present, any remediation or removal will be conducted through an allowance as an additional service or included in Phase 2.
- No wetlands delineation will be required for this Project.
- No special permitting or submittals will be required for tree removal at the site, thus no arborist services have been included in this scope of services.
- Design-Builder will provide all deliverables in this Phase 1 scope of services as PDF files. All hard copies of the Design-Builder's deliverables will be provided by the Owner's Advisor.
- Owner's standard details and specifications will be used where applicable.
- Owner will provide all criteria and full information regarding the Owner's requirements for the Project, including planning and design objectives and constraints, performance requirements, environmental concerns, scheduling constraints, and any budgetary limitations.
- Owner will assist in arranging access to and making provisions for the Design-Builder to enter upon public and private property as required by the Design-Builder to perform its services.
- Owner will provide timely reviews and responses to questions from the Design-Builder that could impede the Project delivery schedule. The schedule is based upon the Owner's continuous input and review of the design and preconstruction deliverables described under this scope of services. Owner deliverable review timelines are outlined under Table 6 in the Schedule section.
- Owner will provide consolidated review comments, including the Owner's Advisor comments that the Owner wishes to incorporate with unified direction to Design-Builder on how to proceed.
- Standard details will be included in the design drawings. Detail presentation will be such that all text and all line type are clear and legible to the unaided eye.

- Design-Builder will use standard CSI 49-division technical specifications.
- Assumed drawing list for the Project is included in Appendix C. The intent is not that that the Owner accepts the drawing list. Instead, the drawing list is one of the tools the Design-Builder uses to develop the estimated level of effort for a Project. It is presented as further documentation of the Design-Builder's basis in developing the scope and fee for this Project.
- No deep foundations or soil compaction is needed for any of the facilities, and shallow foundations are assumed to be acceptable (similar to the existing facilities) for use with the existing soil conditions.
- No Disadvantaged or Minority Business Entity goals are required for Phase 1 or 2 services. The Design-Builder will include the Owner's desire to maximize local business participation as outlined in the contract agreement and consider this as criteria for best valued selection of subcontractors and vendors.
- Computer-aided design (CAD) drawings will be prepared using the AutoCAD products and utilizing the Autodesk Construction Cloud (ACC) platform for drawings and specifications and delivered as PDFs. Three-dimensional models used to produce construction documents will not include building information modeling features. Pipeline CAD drawings will be prepared using AutoCAD Civil 3D. If the Owner ultimately wants a two-dimensional geographic information system (GIS) database with attributes and locations at the conclusion of the Project, they should notify the Design-Builder early in the Project so the models are set up property. Completing the two-dimensional GIS database deliverable is not part of this scope. If required, it would be included in the Phase 2 services under the GMP #2 contract amendment.
- No easement acquisition and only one sketch and legal description for the FP&L primary feed is included in this scope of services.
- No temporary construction easements are anticipated to be required. If required, this will be included in a future allowance authorization or GMP amendment.
- A storage building with offices and a bathroom approximately 4,000 to 5,000 SF in size is included in this scope of services. At the 30% design milestone, the Owner will notify the Design-Builder whether to proceed with completing the design to the 100% design milestone. If the Owner elects not to continue with the design of this facility at the 30% milestone, the Design-Builder has provided a deduction to the design fee in Appendix B.
- Coordination and scheduling of the incoming permanent power for the new WTF components has not been started by the Owner. The Design-Builder will provide these coordination services under this scope of services starting prior to the 30% design deliverable is submitted; however, it is assumed that the needed work from FP&L will not impact the design schedule or future construction milestones. FP&L fees will paid directly by the City or be funded from an allowance authorization in Task 8.2 or the GMP amendment .
- No asset management services are currently included in this scope. The Owner's Advisor will perform an assessment of the asset management services that are needed on this Project for the Owner and provide the Design-Builder a TM outlining the scope of services to be provided by the Design-Builder. The Design-Builder will provide a proposal for these services, and they will be funded from the Owner-directed additional services allowance under the Owner-Directed Additional Services Allowance task.
- Assumed start of construction for the additional GSTs being provided under this scope of work and included under the proposed GMP #1 work is as shown in the attached schedule. The actual start may be impeded by when the three additional raw water supply wells being added at the JEA Water

Treatment Plant are completed by others. The Design-Builder will closely coordinate this with the Owner and adjust this schedule as needed.

- Design of Discovery Way is completed and construction has begun and is scheduled to be completed prior to when the GMP #1 early work will begin. Owner will facilitate introductions to the Design-Builder and the Discovery Way Contractor and assist in coordination efforts with them if the Contractor is being non-responsive to the Design-Builder. Regular progress updates of field activities and updated schedules need to be provided to the Design-Builder (monthly at a minimum). Certain design activities (driveways, stormwater calculations) will need to be coordinated early on and throughout the Project.

Table 5 includes the assumed permit review timeframes in the Scope 1 schedule.

Table 5. Scope 1 Assumed Permit Review Schedule

Permit Name	Submit, Review, and Approve Time Included in the CPM
City of Port St. Lucie Development/Site Plan Review	66 workdays
City of Port St. Lucie Building Permits	66 workdays
City of Port St. Lucie Temporary Construction Trailer Permits	44 workdays
City of Port St. Lucie USD Water and Wastewater Utility Connection Permit	30 workdays
City of Port St. Lucie Driveway Permit	20 workdays
FDEP 62-555.900 Specific Permit to Construct PWS Components	90 workdays
FDEP Storage Tank Registration	15 workdays
FDEP Domestic Wastewater Collection/Transmission System Construction (if needed)	75 workdays
FDEP Environmental Resource Permit Modification	100 workdays
FDEP Construction General Stormwater Permit (National Pollutant Discharge Elimination System)	15 workdays
SFWMD Permit for Construction Dewatering	60 workdays
SFWMD Consumptive Use Permit for Landscape Irrigation	60 workdays

Notes:

All durations are based on calendar durations unless noted otherwise.
All timeframes begin when the application is submitted.
It is likely that some of the permits will not be issued or approved before the end of Phase 1 services.

CPM = Critical Path Method

Schedule and Contract Price

Schedule

A detailed CPM schedule showing interim milestones for Phase 1 activities and defining the overall logic and contract time is included in Appendix A. Both parties agree and understand that the interim milestone dates were established using the best available information when this scope of services was created, and they are subject to change and will be modified and updated during the regular schedule updates described under the Design-Build Schedule task. Table 6 summarizes the schedule milestones for Phase 1 and includes important notes. The projected preliminary Phase 2 activities based upon the Design-Builder's current understanding of the scope is shown in the schedule included in Appendix A; however, it is not contractually binding and it will be further developed and finalized during the execution of the Phase 1 services. The contractual Phase 2 schedule will be included in the future allowance requests and GMP contract amendment.

Table 6. Phase 1 Schedule Milestones

Milestone	Approximate Date or Timeframe	Notes
Phase 1 NTP	April 22, 2026	Based on City Commission approval on April 13, 2026
PDR to Owner for Review	July 27, 2026	Owner available review time: 15 workdays
30% Design Documents to Owner for Review	October 7, 2026	Owner available review time: 15 workdays[a]
90% GMP 1 Final Design Documents to Owner for Review	January 14, 2027	Owner available review time: 15 workdays[a]
60% GMP 2 Design Documents to Owner for Review	February 12, 2027	Owner available review time: 15 workdays[a]
90% GMP 2 Final Design Documents to Owner for Review	June 18, 2027	Owner available review time: 15 workdays[a]
100% GMP 2 Construction Documents to Owner for Review	September 3, 2027	Owner available review time: 15 workdays[a]
Allowance 1 (Critical Long-Lead ODP) Use Request to Owner for Review	February 19, 2027	Owner available review time: 15 workdays[b]
Allowance 2 (GMP #1 Price Proposal) Use Request to Owner for Review	February 18, 2027	Owner available review time: 15 workdays[b]
Allowance 3 (Long-Lead ODP) Use Request to Owner for Review	March 26, 2027	Owner available review time: 15 workdays[b]
GMP #2 (All remaining WTF Work) Price Proposal to Owner for Review	August 6, 2027	Owner available review time: 15 workdays[b]
Phase 1 Services (Tasks 1 to 7) Complete	September 30, 2027	Note certain permit issuance/approvals under the Permitting Services task may extend beyond this date

[a] Fifteen workdays of time is provided in the schedule for the Owner to review deliverables during Phase 1 services unless stated otherwise in this scope of services. Design-Builder will continue with design activities during this period of Owner review.

[b] Fifteen workdays of time will be provided in the schedule for the Owner to review Allowance Use Requests. The Design-Builder and the Owner will work together ahead of time to establish a format for presenting these costs before the first Allowance Use Request so that there are no surprises to the Owner. Note that review times for Allowance Use Requests will likely be on the critical path of the schedule, and delays in reviews could delay the Project.

Notes:

In addition, as the Project is being defined, it may be necessary to add or delete scope to one or all the allowances. The plan, as reflected in the table, is based on the best information available at this time, and it is probable that the final execution of the allowances will vary from the initial plan.

For GMP Proposal, the Design-Builder has included the following review and processing times in the schedule for the and the Design-Builder:

a. 2 workdays for review workshops and presentation of the GMP Proposal to the Owner
b. 15 workdays for the Owner to review the GMP Proposal and develop questions
c. 3 workdays for review of the Owner GMP Proposal comments, questions and final negotiations
d. 1 work week as contingency time on b, c, and d above
e. 2 work weeks to prepare materials for the City Commissioners meeting
f. 1 week after the City Commissioner's meeting and issuance of Notice of Award to the Design-Builder
g. Total time from delivery of GMP Proposal to Notice of Award: 7 weeks

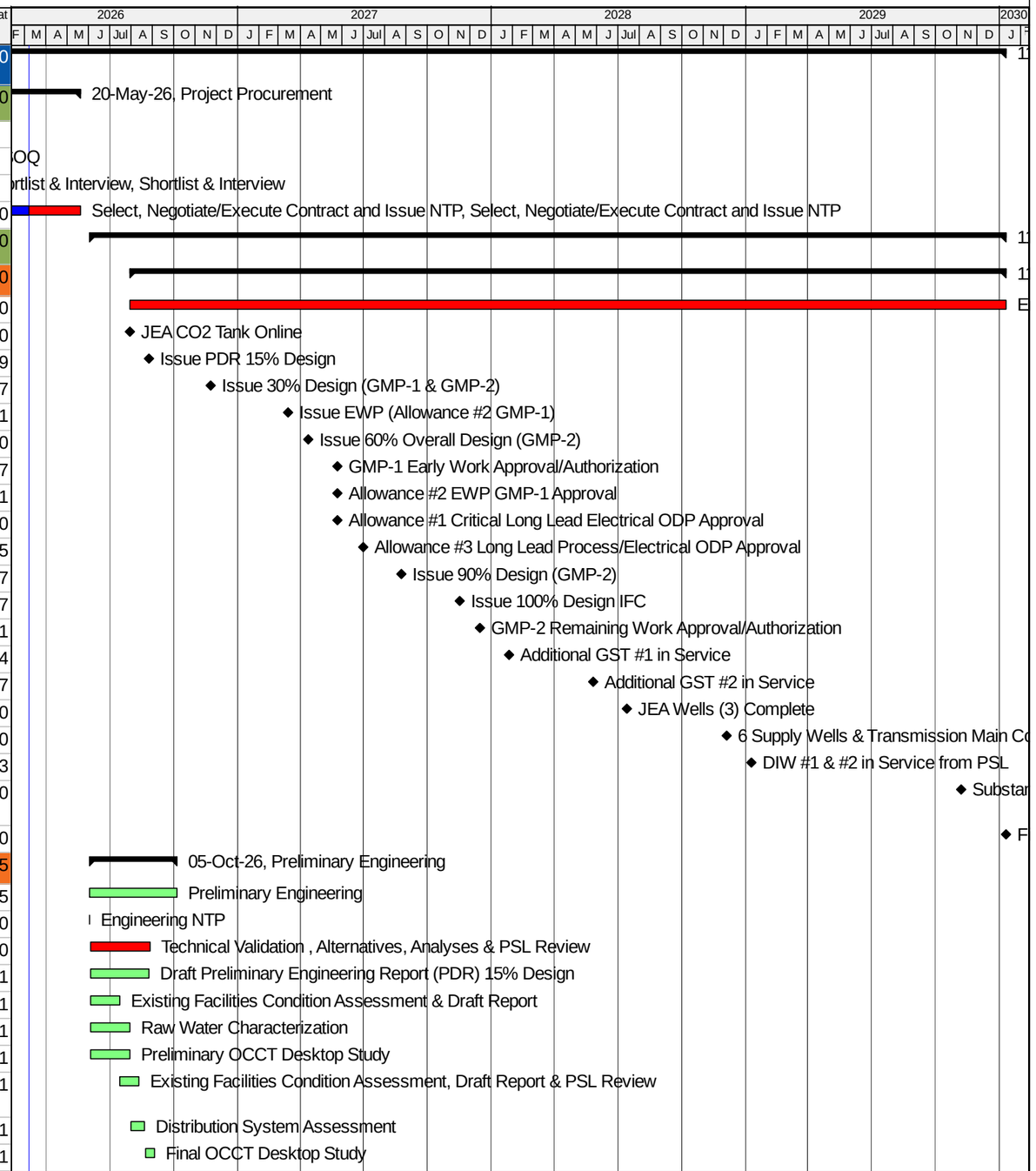
Contract Price

The contract price is pursuant to Article 6.1 of the prime contract agreement for the Phase 1 services. Compensation will be billed for in a lump sum amount for all Tasks except the following: Task 3, Task 4 and Task 8. The total contract price for the scope of services described herein is $31,817,327, including $11,817,327 of Phase 1 Design and Preconstruction Services (Tasks 1-7 and 8.1) and $20,000,000 of Phase 2 Construction Services funded via an allowance (Task 8.2). A summary of the contract price for Tasks 1 through 8 is shown in Appendix B.

Appendix A
Schedule

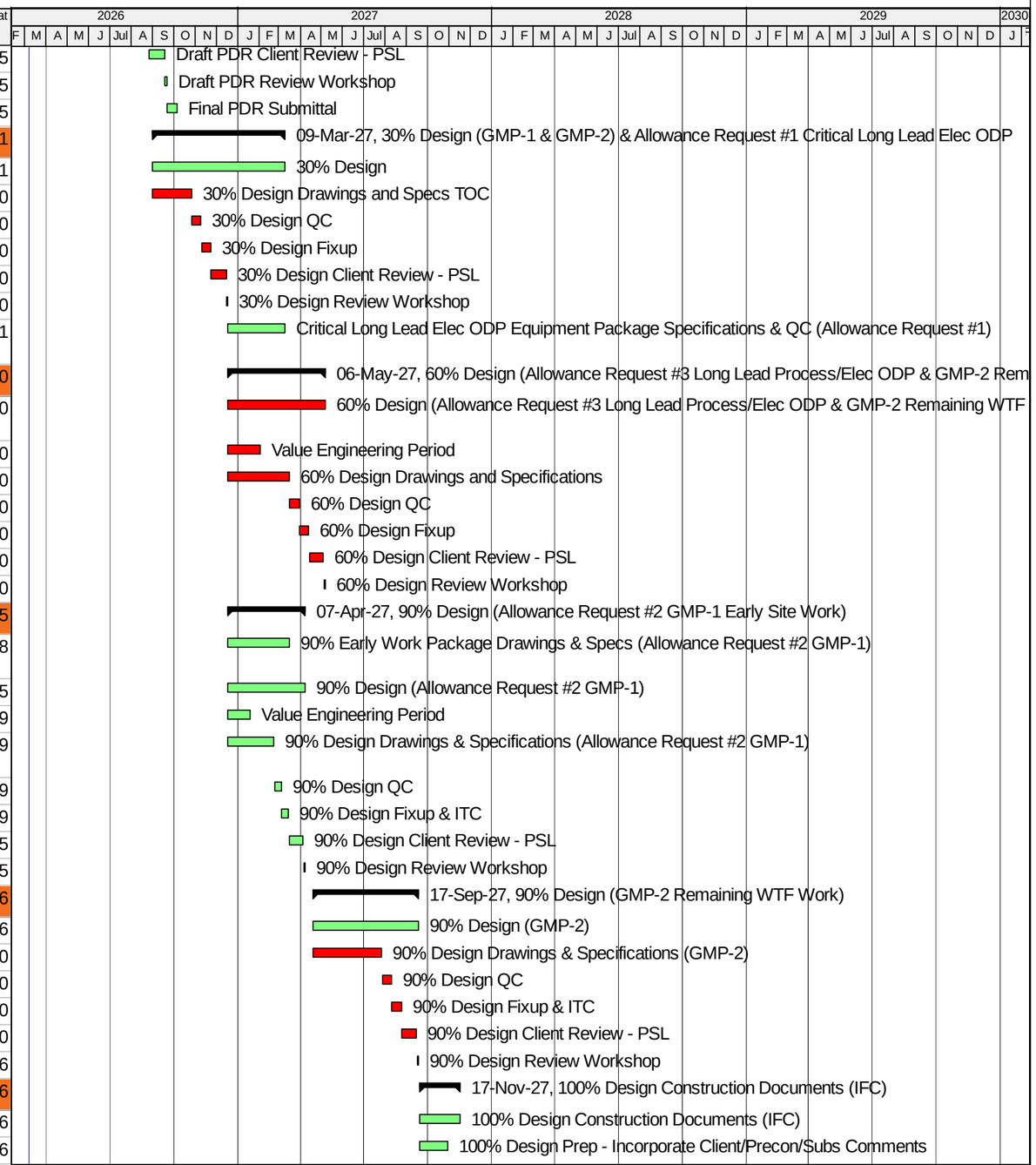
Print Date: 29-Apr-26 09:59
Data Date: 06-Mar-26

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
PSL Discovery Water Treatment Facility 260424		1200	08-Sep-25 A	11-Jan-30	0
Project Procurement		247	08-Sep-25 A	20-May-26	0
A1400	RFQ	58	08-Sep-25 A	08-Sep-25 A	
A1410	SOQ	42	08-Sep-25 A	04-Nov-25 A	
A1430	Shortlist & Interview	29	05-Nov-25 A	18-Dec-25 A	
A1420	Select, Negotiate/Execute Contract and Issue NTP	88	18-Dec-25 A	20-May-26	0
Phase 1 - Design & Preconstruction		920	02-Jun-26	11-Jan-30	0
Project Milestones		878	30-Jul-26	11-Jan-30	0
A1000	Engineering and Design	878	30-Jul-26	11-Jan-30	0
A3540	JEA CO2 Tank Online	0		30-Jul-26*	0
A1010	Issue PDR 15% Design	0		26-Aug-26	859
A1020	Issue 30% Design (GMP-1 & GMP-2)	0		23-Nov-26	797
A1040	Issue EWP (Allowance #2 GMP-1)	0		15-Mar-27	721
A1050	Issue 60% Overall Design (GMP-2)	0		13-Apr-27	700
A1470	GMP-1 Early Work Approval/Authorization	0		24-May-27	67
A3570	Allowance #2 EWP GMP-1 Approval	0		24-May-27	671
A3550	Allowance #1 Critical Long Lead Electrical ODP Approval	0		25-May-27	670
A3560	Allowance #3 Long Lead Process/Electrical ODP Approval	0		30-Jun-27	645
A1060	Issue 90% Design (GMP-2)	0		24-Aug-27	607
A1070	Issue 100% Design IFC	0		17-Nov-27	547
A1480	GMP-2 Remaining Work Approval/Authorization	0		16-Dec-27	121
A1460	Additional GST #1 in Service	0		26-Jan-28	384
A3530	Additional GST #2 in Service	0		26-May-28	297
A3420	JEA Wells (3) Complete	0		14-Jul-28*	0
A1225	6 Supply Wells & Transmission Main Complete (By Others)	0		04-Dec-28*	0
A2720	DIW #1 & #2 in Service from PSL	0		09-Jan-29*	213
A1490	Substantial Completion (10 MGD In Service at Discovery Water Treatment Facility)	0		07-Nov-29	0
A1500	Final Completion	0		11-Jan-30	0
Preliminary Engineering		88	02-Jun-26	05-Oct-26	25
A1080	Preliminary Engineering	88	02-Jun-26	05-Oct-26	25
A1090	Engineering NTP	1	02-Jun-26	02-Jun-26	0
A1100	Technical Validation , Alternatives, Analyses & PSL Review	62	03-Jun-26	28-Aug-26	0
A1110	Draft Preliminary Engineering Report (PDR) 15% Design	60	03-Jun-26	26-Aug-26	11
A1112	Existing Facilities Condition Assessment & Draft Report	30	03-Jun-26	15-Jul-26	21
A1116	Raw Water Characterization	40	03-Jun-26	29-Jul-26	31
A1118	Preliminary OCCT Desktop Study	40	03-Jun-26	29-Jul-26	31
A1114	Existing Facilities Condition Assessment, Draft Report & PSL Review	20	16-Jul-26	12-Aug-26	21
A1120	Distribution System Assessment	15	31-Jul-26	20-Aug-26	41
A1124	Final OCCT Desktop Study	10	21-Aug-26	03-Sep-26	41



Remaining Work | Actual Work | Actual Level of ...
Critical Remaining Work | Remaining Level of Effort | Milestone

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
A1122	Draft PDR Client Review - PSL	15	27-Aug-26	17-Sep-26	25
A1130	Draft PDR Review Workshop	2	18-Sep-26	21-Sep-26	25
A1135	Final PDR Submittal	10	22-Sep-26	05-Oct-26	25
30% Design (GMP-1 & GMP-2) & Allowance Request #1 Critical Long Lead El		132	31-Aug-26	09-Mar-27	41
Preconstruct	30% Design	132	31-Aug-26	09-Mar-27	41
A1150	30% Design Drawings and Specs TOC	40	31-Aug-26	26-Oct-26	0
A1160	30% Design QC	10	27-Oct-26	09-Nov-26	0
A1170	30% Design Fixup	10	10-Nov-26	23-Nov-26	0
A1180	30% Design Client Review - PSL	15	24-Nov-26	15-Dec-26	0
A1190	30% Design Review Workshop	2	16-Dec-26	17-Dec-26	0
A1230	Critical Long Lead Elec ODP Equipment Package Specifications & QC (Allowance Request #1)	55	18-Dec-26	09-Mar-27	41
60% Design (Allowance Request #3 Long Lead Process/Elec ODP & GMP-2 R		97	18-Dec-26	06-May-27	0
A1200	60% Design (Allowance Request #3 Long Lead Process/Elec ODP & GMP-2 Remaining WTF Work)	97	18-Dec-26	06-May-27	0
A1210	Value Engineering Period	15	18-Dec-26	02-Feb-27	0
A1220	60% Design Drawings and Specifications	60	18-Dec-26	16-Mar-27	0
A1250	60% Design QC	10	17-Mar-27	30-Mar-27	0
A1260	60% Design Fixup	10	31-Mar-27	13-Apr-27	0
A1270	60% Design Client Review - PSL	15	14-Apr-27	04-May-27	0
A1280	60% Design Review Workshop	2	05-May-27	06-May-27	0
90% Design (Allowance Request #2 GMP-1 Early Site Work)		76	18-Dec-26	07-Apr-27	85
A1240	90% Early Work Package Drawings & Specs (Allowance Request #2 GMP-1)	60	18-Dec-26	16-Mar-27	58
A1290	90% Design (Allowance Request #2 GMP-1)	76	18-Dec-26	07-Apr-27	85
A1300	Value Engineering Period	10	18-Dec-26	19-Jan-27	39
A1310	90% Design Drawings & Specifications (Allowance Request #2 GMP-1)	44	18-Dec-26	22-Feb-27	39
A1320	90% Design QC	8	23-Feb-27	04-Mar-27	39
A1330	90% Design Fixup & ITC	7	05-Mar-27	15-Mar-27	39
A1340	90% Design Client Review - PSL	15	16-Mar-27	05-Apr-27	85
A1350	90% Design Review Workshop	2	06-Apr-27	07-Apr-27	85
90% Design (GMP-2 Remaining WTF Work)		107	19-Apr-27	17-Sep-27	126
A2940	90% Design (GMP-2)	107	19-Apr-27	17-Sep-27	126
A2960	90% Design Drawings & Specifications (GMP-2)	70	19-Apr-27	27-Jul-27	0
A2970	90% Design QC	10	28-Jul-27	10-Aug-27	0
A2980	90% Design Fixup & ITC	10	11-Aug-27	24-Aug-27	0
A2990	90% Design Client Review - PSL	15	25-Aug-27	15-Sep-27	0
A3000	90% Design Review Workshop	2	16-Sep-27	17-Sep-27	126
100% Design Construction Documents (IFC)		43	20-Sep-27	17-Nov-27	126
A1360	100% Design Construction Documents (IFC)	43	20-Sep-27	17-Nov-27	126
A1370	100% Design Prep - Incorporate Client/Precon/Subs Comments	30	20-Sep-27	29-Oct-27	126



Remaining Work · Actual Work · Actual Level of ...
Critical Remaining Work · Remaining Level of Effort · Milestone

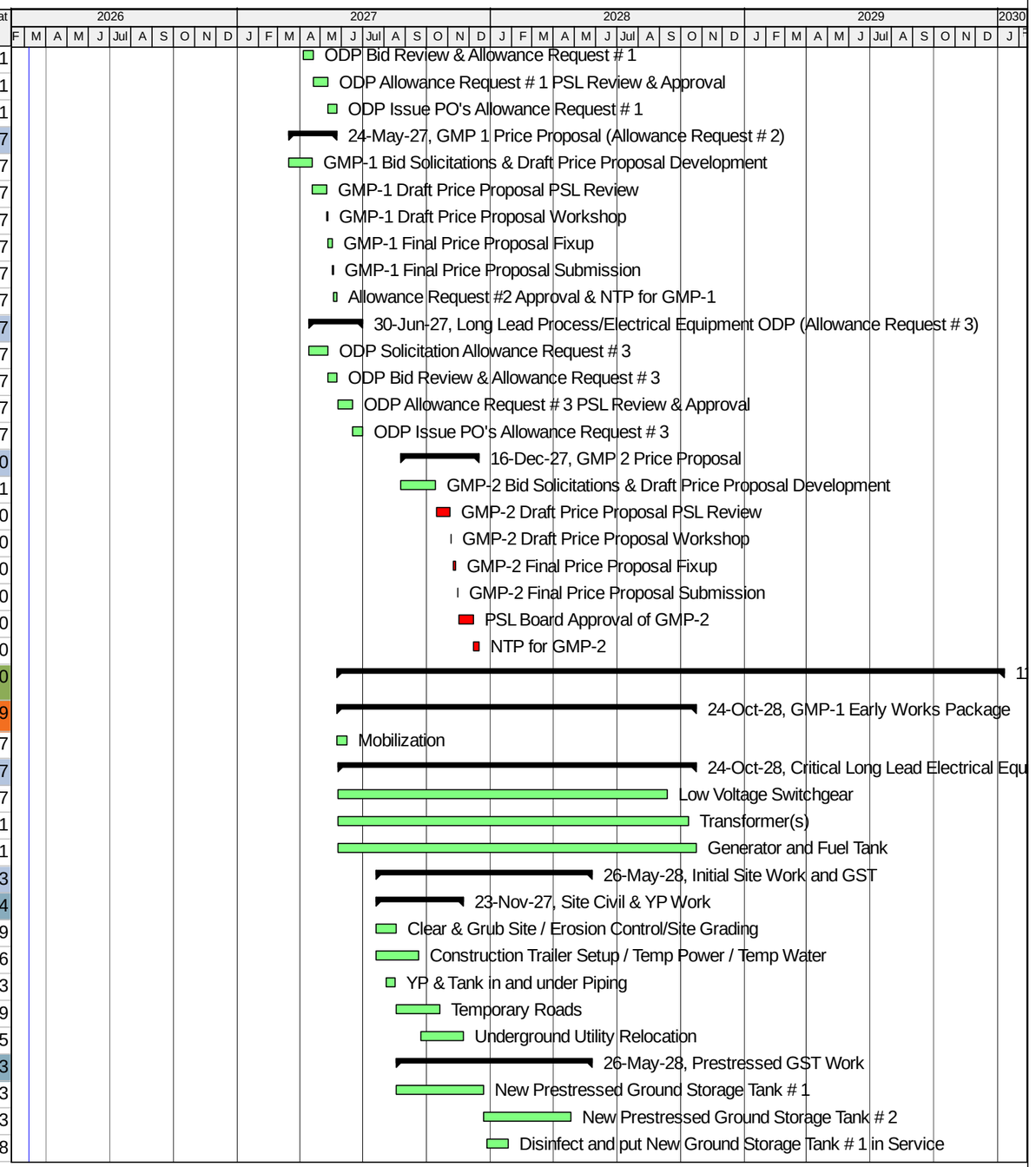
Jacobs · City of Port St. Lucie

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
A1380	100% Final QC Review & Fix-up	10	01-Nov-27	12-Nov-27	126
A1390	100% Construction Documents - IFC	3	15-Nov-27	17-Nov-27	126
Permitting		301	22-Sep-26	29-Nov-27	162
A3350	FDEP Public Water System Construction Permit (62-555.900)	90	22-Sep-26	29-Jan-27	180
A1670	WTF ERP	100	18-Dec-26	10-May-27	274
A1580	Early Site and GST Work Package Permitting (DEP & SFWMD)	88	16-Mar-27	19-Jul-27	39
A1590	City of PSL Permitting (Site and Trailer)	44	16-Mar-27	14-May-27	73
A1600	City of PSL Early Site and GST Work Package Site Civil Permitting	66	16-Mar-27	16-Jun-27	61
A1660	WTF & GST - FDEP Permitting	66	16-Mar-27	16-Jun-27	266
A3360	FDEP Storage Tank Registration	15	16-Mar-27	05-Apr-27	327
A3370	FDEP Domestic Wastewater Collection Permit	75	16-Mar-27	29-Jun-27	74
A3300	City PSL Development / Site Plan Review	60	17-Mar-27	09-Jun-27	143
A3380	FDEP Environmental Resource Permit Modification	90	17-Mar-27	22-Jul-27	58
A3390	FDEP NPDES Stormwater Construction Permit	15	17-Mar-27	06-Apr-27	133
A3400	SFWMD Dewatering Consumptive Use Permit	60	17-Mar-27	09-Jun-27	88
A3330	City of PSL Utility Connection Permit (Water/Wastewater)	30	07-May-27	18-Jun-27	81
A1495	City of PSL WTF Building Permits	66	25-Aug-27	29-Nov-27	24
A3340	City of PSL Driveway Permit	20	25-Aug-27	22-Sep-27	15
Preconstruction		392	03-Jun-26	16-Dec-27	39
Indicative Cost Model		58	03-Jun-26	24-Aug-26	13
A3010	Indicative Cost Model Development	60	03-Jun-26	01-Aug-26	18
A3020	Indicative Cost Model PSL Review	15	03-Aug-26	21-Aug-26	13
A3030	Indicative Cost Model Workshop	1	24-Aug-26	24-Aug-26	13
Baseline Project Cost Model		36	27-Aug-26	16-Oct-26	11
A3040	Baseline Project Cost Model Development	20	27-Aug-26	24-Sep-26	11
A3050	Baseline Project Cost Model PSL Review	15	25-Sep-26	15-Oct-26	11
A3060	Baseline Cost Model Workshop	1	16-Oct-26	16-Oct-26	11
30% Project Cost Model		46	27-Oct-26	04-Jan-27	5
A3070	30% Project Cost Model Development	30	27-Oct-26	08-Dec-26	5
A3080	30% Project Cost Model PSL Review	15	09-Dec-26	31-Dec-26	5
A3090	30% Cost Model Workshop	1	04-Jan-27	04-Jan-27	5
60% Project Cost Model		46	17-Mar-27	19-May-27	5
A3100	60% Project Cost Model Development	30	17-Mar-27	27-Apr-27	5
A3110	60% Project Cost Model PSL Review	15	28-Apr-27	18-May-27	5
A3120	60% Cost Model Workshop	1	19-May-27	19-May-27	5
Commissioning		191	23-Dec-26	23-Sep-27	0
A3130	Commissioning Workshop 1	1	23-Dec-26	23-Dec-26	188
A3140	Commissioning Workshop 2	1	12-May-27	12-May-27	92
A3150	Commissioning Workshop 3	1	23-Sep-27	23-Sep-27	0
Critical Long Lead Electrical Equipment ODP (Allowance Request # 1)		55	10-Mar-27	25-May-27	41
A3430	ODP Solicitation Allowance Request # 1	20	10-Mar-27	06-Apr-27	41

Remaining Work | Actual Work | Actual Level of ...
Critical Remaining Work | Remaining Level of Effort | Milestone

Print Date: 29-Apr-26 09:59
Data Date: 06-Mar-26

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
A3440	ODP Bid Review & Allowance Request # 1	10	07-Apr-27	20-Apr-27	41
A3450	ODP Allowance Request # 1 PSL Review & Approval	15	21-Apr-27	11-May-27	41
A3460	ODP Issue PO's Allowance Request # 1	10	12-May-27	25-May-27	41
GMP 1 Price Proposal (Allowance Request # 2)		50	16-Mar-27	24-May-27	67
A3160	GMP-1 Bid Solicitations & Draft Price Proposal Development	25	16-Mar-27	19-Apr-27	67
A3170	GMP-1 Draft Price Proposal PSL Review	15	20-Apr-27	10-May-27	67
A3180	GMP-1 Draft Price Proposal Workshop	1	11-May-27	11-May-27	67
A3190	GMP-1 Final Price Proposal Fixup	5	12-May-27	18-May-27	67
A3200	GMP-1 Final Price Proposal Submission	1	19-May-27	19-May-27	67
A3220	Allowance Request #2 Approval & NTP for GMP-1	3	20-May-27	24-May-27	67
Long Lead Process/Electrical Equipment ODP (Allowance Request # 3)		55	14-Apr-27	30-Jun-27	157
A3470	ODP Solicitation Allowance Request # 3	20	14-Apr-27	11-May-27	157
A3480	ODP Bid Review & Allowance Request # 3	10	12-May-27	25-May-27	157
A3490	ODP Allowance Request # 3 PSL Review & Approval	15	26-May-27	16-Jun-27	157
A3500	ODP Issue PO's Allowance Request # 3	10	17-Jun-27	30-Jun-27	157
GMP 2 Price Proposal		80	25-Aug-27	16-Dec-27	0
A3230	GMP-2 Bid Solicitations & Draft Price Proposal Development	35	25-Aug-27	13-Oct-27	1
A3240	GMP-2 Draft Price Proposal PSL Review	15	15-Oct-27	04-Nov-27	0
A3250	GMP-2 Draft Price Proposal Workshop	1	05-Nov-27	05-Nov-27	0
A3260	GMP-2 Final Price Proposal Fixup	5	08-Nov-27	12-Nov-27	0
A3270	GMP-2 Final Price Proposal Submission	1	15-Nov-27	15-Nov-27	0
A3280	PSL Board Approval of GMP-2	15	16-Nov-27	07-Dec-27	0
A3290	NTP for GMP-2	7	08-Dec-27	16-Dec-27	0
Phase 2 - Construction and Commissioning Services		668	25-May-27	11-Jan-30	0
GMP-1 Early Works Package		361	25-May-27	24-Oct-28	129
A1740	Mobilization	10	25-May-27	08-Jun-27	67
Critical Long Lead Electrical Equipment (ODP) Procurement		360	26-May-27	24-Oct-28	127
A1780	Low Voltage Switchgear	330	26-May-27	12-Sep-28	157
A1790	Transformer(s)	352	26-May-27	12-Oct-28	91
A2870	Generator and Fuel Tank	360	26-May-27	24-Oct-28	41
Initial Site Work and GST		219	20-Jul-27	26-May-28	233
Site Civil & YP Work		90	20-Jul-27	23-Nov-27	164
A1690	Clear & Grub Site / Erosion Control/Site Grading	22	20-Jul-27	18-Aug-27	39
A1720	Construction Trailer Setup / Temp Power / Temp Water	44	20-Jul-27	20-Sep-27	116
A1710	YP & Tank in and under Piping	10	04-Aug-27	17-Aug-27	233
A1700	Temporary Roads	44	19-Aug-27	20-Oct-27	39
A1750	Underground Utility Relocation	44	23-Sep-27	23-Nov-27	15
Prestressed GST Work		198	18-Aug-27	26-May-28	233
A1760	New Prestressed Ground Storage Tank # 1	88	18-Aug-27	22-Dec-27	233
A3510	New Prestressed Ground Storage Tank # 2	88	23-Dec-27	26-Apr-28	233
A1770	Disinfect and put New Ground Storage Tank # 1 in Service	22	27-Dec-27	26-Jan-28	298



Remaining Work | Actual Work | Actual Level of ...
Critical Remaining Work | Remaining Level of Effort | Milestone

Jacobs | PORT ST. LUCIE

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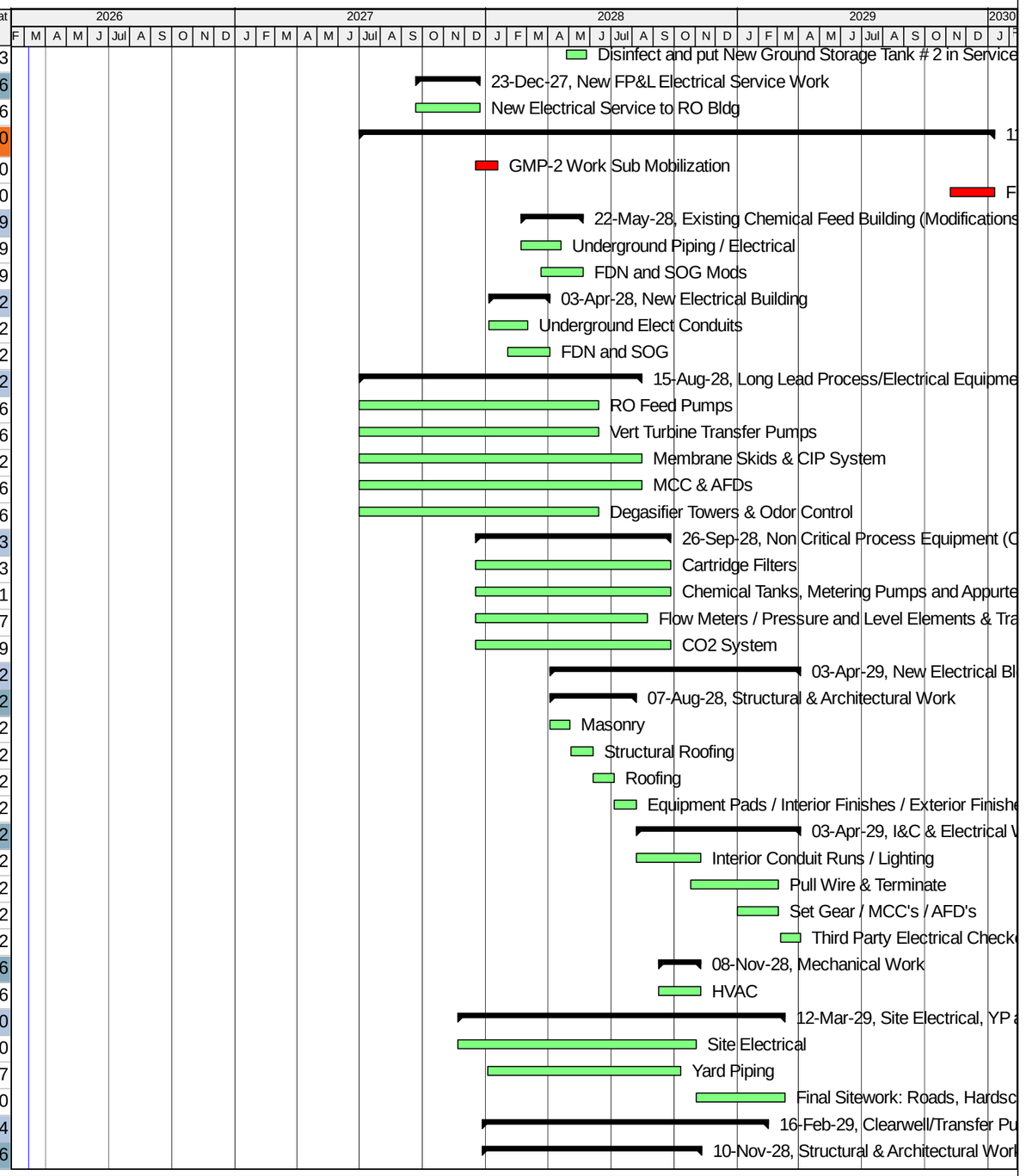
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
A3520	Disinfect and put New Ground Storage Tank # 2 in Service	22	27-Apr-28	26-May-28	233
New FP&L Electrical Service Work		66	21-Sep-27	23-Dec-27	116
A1730	New Electrical Service to RO Bldg	66	21-Sep-27	23-Dec-27	116
GMP-2 Remaining WTF Work		642	01-Jul-27	11-Jan-30	0
A1825	GMP-2 Work Sub Mobilization	22	17-Dec-27	19-Jan-28	0
A1920	Final Punchlist	44	07-Nov-29	11-Jan-30	0
Existing Chemical Feed Building (Modifications)		66	21-Feb-28	22-May-28	39
A2270	Underground Piping / Electrical	44	21-Feb-28	20-Apr-28	39
A2280	FDN and SOG Mods	44	22-Mar-28	22-May-28	39
New Electrical Building		64	05-Jan-28	03-Apr-28	82
A2160	Underground Elect Conduits	42	05-Jan-28	02-Mar-28	82
A2170	FDN and SOG	44	02-Feb-28	03-Apr-28	82
Long Lead Process/Electrical Equipment (ODP) Procurement		286	01-Jul-27	15-Aug-28	202
A1800	RO Feed Pumps	242	01-Jul-27	13-Jun-28	246
A1810	Vert Turbine Transfer Pumps	242	01-Jul-27	13-Jun-28	156
A1820	Membrane Skids & CIP System	286	01-Jul-27	15-Aug-28	172
A1840	MCC & AFDs	286	01-Jul-27	15-Aug-28	176
A1860	Degasifier Towers & Odor Control	242	01-Jul-27	13-Jun-28	176
Non Critical Process Equipment (ODP) Procurement		198	17-Dec-27	26-Sep-28	173
A1830	Cartridge Filters	198	17-Dec-27	26-Sep-28	173
A1850	Chemical Tanks, Metering Pumps and Appurtenances	198	17-Dec-27	26-Sep-28	61
A1870	Flow Meters / Pressure and Level Elements & Transmitters	176	17-Dec-27	24-Aug-28	187
A1785	CO2 System	198	17-Dec-27	26-Sep-28	49
New Electrical Bldg		254	04-Apr-28	03-Apr-29	82
Structural & Architectural Work		88	04-Apr-28	07-Aug-28	82
A2180	Masonry	22	04-Apr-28	03-May-28	82
A2190	Structural Roofing	22	04-May-28	05-Jun-28	82
A2200	Roofing	22	06-Jun-28	06-Jul-28	82
A2210	Equipment Pads / Interior Finishes / Exterior Finishes	22	07-Jul-28	07-Aug-28	82
I&C & Electrical Work		166	08-Aug-28	03-Apr-29	82
A2230	Interior Conduit Runs / Lighting	66	08-Aug-28	08-Nov-28	82
A2240	Pull Wire & Terminate	88	26-Oct-28	02-Mar-29	82
A2220	Set Gear / MCC's / AFD's	44	02-Jan-29	02-Mar-29	82
A2260	Third Party Electrical Checkout	22	05-Mar-29	03-Apr-29	82
Mechanical Work		44	08-Sep-28	08-Nov-28	116
A2250	HVAC	44	08-Sep-28	08-Nov-28	116
Site Electrical, YP and Final Site Work		330	22-Nov-27	12-Mar-29	190
A1900	Site Electrical	242	22-Nov-27	02-Nov-28	190
A1890	Yard Piping	198	04-Jan-28	10-Oct-28	207
A1910	Final Sitework: Roads, Hardscape, Landscape	88		12-Mar-29	190
Clearwell/Transfer Pump Station		292	27-Dec-27	16-Feb-29	114
Structural & Architectural Work		226	27-Dec-27	10-Nov-28	136



Remaining Work | Actual Work | Actual Level of ...
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City of Port St Lucie

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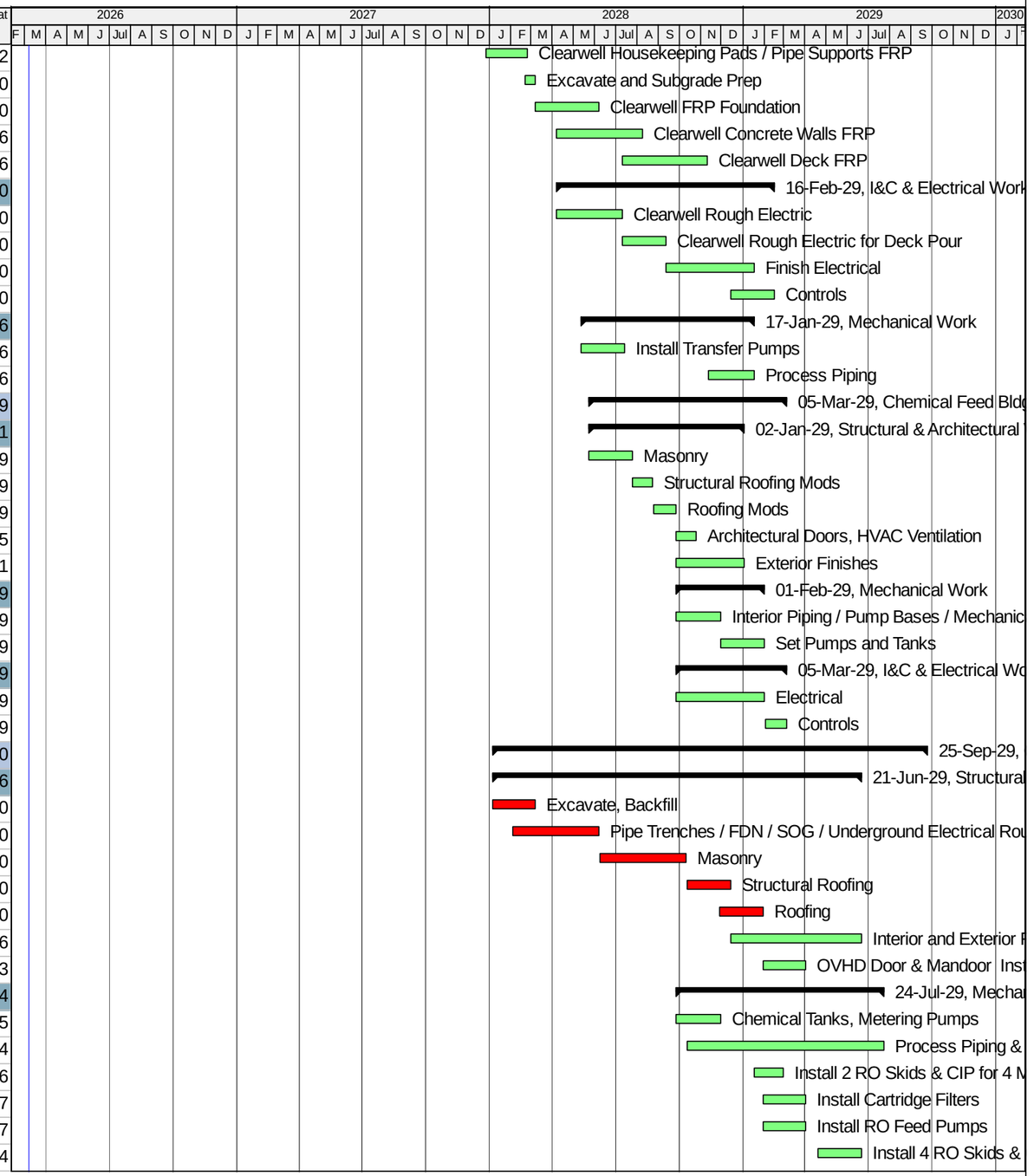
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
A2470	Clearwell Housekeeping Pads / Pipe Supports FRP	44	27-Dec-27	25-Feb-28	232
A2415	Excavate and Subgrade Prep	10	22-Feb-28	06-Mar-28	50
A2420	Clearwell FRP Foundation	66	07-Mar-28	07-Jun-28	50
A2440	Clearwell Concrete Walls FRP	88	06-Apr-28	09-Aug-28	136
A2460	Clearwell Deck FRP	88	11-Jul-28	10-Nov-28	136
I&C & Electrical Work		220	06-Apr-28	16-Feb-29	50
A2430	Clearwell Rough Electric	66	06-Apr-28	10-Jul-28	50
A2450	Clearwell Rough Electric for Deck Pour	44	11-Jul-28	11-Sep-28	50
A2500	Finish Electrical	88	12-Sep-28	17-Jan-29	50
A2510	Controls	44	15-Dec-28	16-Feb-29	50
Mechanical Work		172	12-May-28	17-Jan-29	136
A2480	Install Transfer Pumps	44	12-May-28	14-Jul-28	156
A2490	Process Piping	44	13-Nov-28	17-Jan-29	136
Chemical Feed Bldg (Modifications)		198	23-May-28	05-Mar-29	39
Structural & Architectural Work		154	23-May-28	02-Jan-29	61
A2290	Masonry	44	23-May-28	25-Jul-28	39
A2300	Structural Roofing Mods	22	26-Jul-28	24-Aug-28	39
A2310	Roofing Mods	22	25-Aug-28	26-Sep-28	39
A2320	Architectural Doors, HVAC Ventilation	22	27-Sep-28	26-Oct-28	105
A2360	Exterior Finishes	66	27-Sep-28	02-Jan-29	61
Mechanical Work		88	27-Sep-28	01-Feb-29	39
A2340	Interior Piping / Pump Bases / Mechanical	44	27-Sep-28	29-Nov-28	39
A2350	Set Pumps and Tanks	44	30-Nov-28	01-Feb-29	39
I&C & Electrical Work		110	27-Sep-28	05-Mar-29	39
A2330	Electrical	88	27-Sep-28	01-Feb-29	39
A2370	Controls	22	02-Feb-29	05-Mar-29	39
Operations/Membrane Building (Phase 1: 17,099 sq. ft)		440	05-Jan-28	25-Sep-29	0
Structural & Architectural Work		374	05-Jan-28	21-Jun-29	66
A1930	Excavate, Backfill	44	05-Jan-28	06-Mar-28	0
A1940	Pipe Trenches / FDN / SOG / Underground Electrical Rough-In	88	04-Feb-28	07-Jun-28	0
A1950	Masonry	88	08-Jun-28	11-Oct-28	0
A1960	Structural Roofing	44	12-Oct-28	14-Dec-28	0
A1970	Roofing	44	28-Nov-28	30-Jan-29	0
A2030	Interior and Exterior Finishes	132	15-Dec-28	21-Jun-29	66
A1980	OVHD Door & Mandoor Installations	44	31-Jan-29	02-Apr-29	123
Mechanical Work		209	27-Sep-28	24-Jul-29	44
A2000	Chemical Tanks, Metering Pumps	44	27-Sep-28	29-Nov-28	165
A1990	Process Piping & Misc Metals	198	12-Oct-28	24-Jul-29	44
A2060	Install 2 RO Skids & CIP for 4 MGD	30	18-Jan-29	28-Feb-29	66
A2010	Install Cartridge Filters	44	31-Jan-29	02-Apr-29	87
A2050	Install RO Feed Pumps	44	31-Jan-29	02-Apr-29	87
A2035	Install 4 RO Skids & CIP for Additional 6 MGD	44	20-Apr-29	22-Jun-29	44



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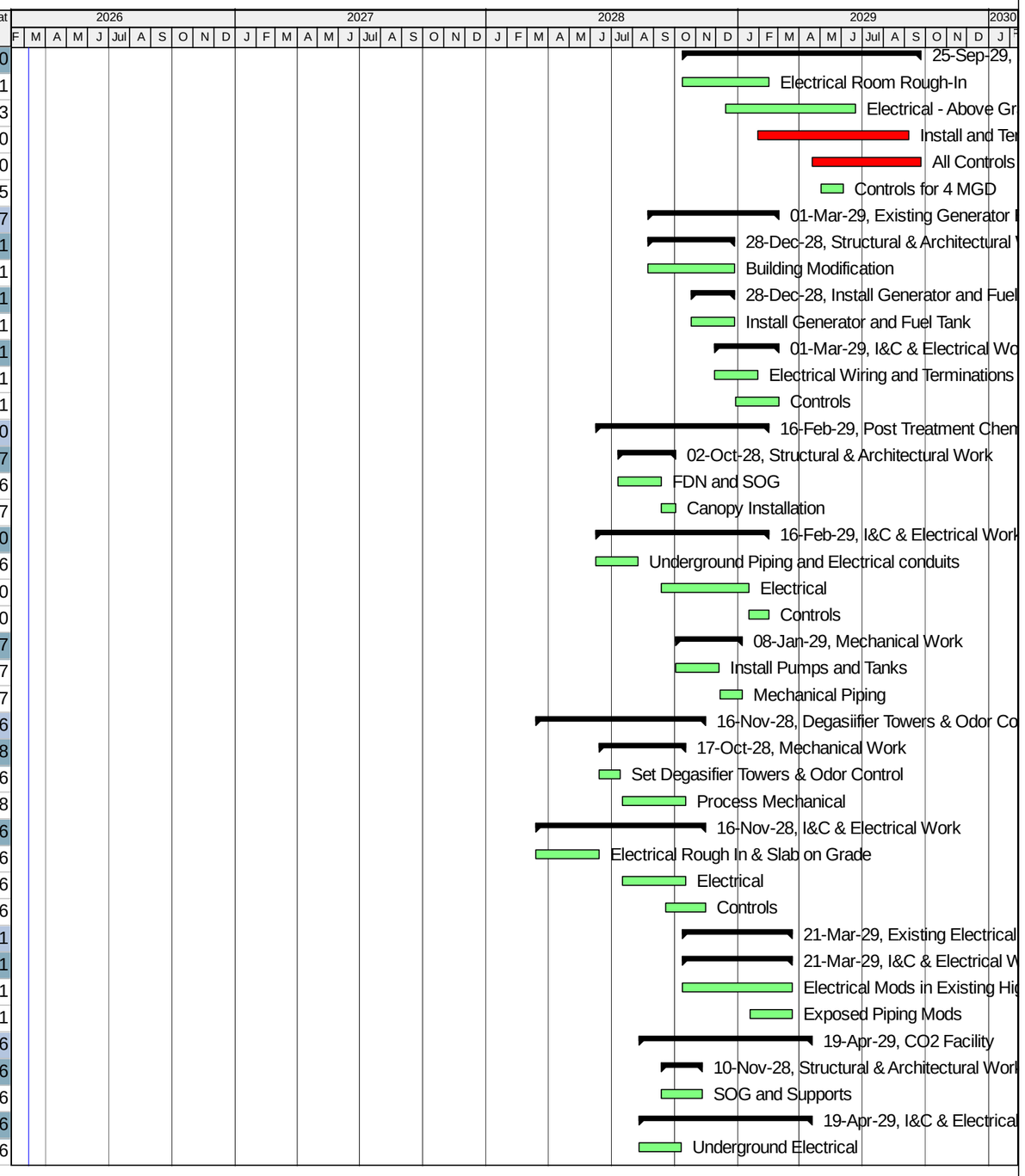
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
I&C & Electrical Work		242	12-Oct-28	25-Sep-29	0
A2040	Electrical Room Rough-In	88	12-Oct-28	16-Feb-29	31
A2020	Electrical - Above Grade	132	15-Dec-28	21-Jun-29	53
A2070	Install and Term Electrical Gear	154	31-Jan-29	06-Sep-29	0
A2080	All Controls	110	20-Apr-29	25-Sep-29	0
A2045	Controls for 4 MGD	22	03-May-29	04-Jun-29	65
Existing Generator Bldg Modifications		132	23-Aug-28	01-Mar-29	127
Structural & Architectural Work		88	23-Aug-28	28-Dec-28	171
A2880	Building Modification	88	23-Aug-28	28-Dec-28	171
Install Generator and Fuel Tank		44	25-Oct-28	28-Dec-28	41
A2890	Install Generator and Fuel Tank	44	25-Oct-28	28-Dec-28	41
I&C & Electrical Work		66	28-Nov-28	01-Mar-29	41
A2085	Electrical Wiring and Terminations	44	28-Nov-28	30-Jan-29	41
A2090	Controls	44	29-Dec-28	01-Mar-29	41
Post Treatment Chemical Bldg		176	08-Jun-28	16-Feb-29	50
Structural & Architectural Work		59	11-Jul-28	02-Oct-28	57
A2760	FDN and SOG	44	11-Jul-28	11-Sep-28	6
A2770	Canopy Installation	15	12-Sep-28	02-Oct-28	57
I&C & Electrical Work		176	08-Jun-28	16-Feb-29	50
A2750	Underground Piping and Electrical conduits	44	08-Jun-28	09-Aug-28	6
A2800	Electrical	88	12-Sep-28	17-Jan-29	50
A2810	Controls	22	18-Jan-29	16-Feb-29	50
Mechanical Work		66	03-Oct-28	08-Jan-29	57
A2790	Install Pumps and Tanks	44	03-Oct-28	05-Dec-28	57
A2780	Mechanical Piping	22	06-Dec-28	08-Jan-29	57
Degasiifier Towers & Odor Control		176	13-Mar-28	16-Nov-28	176
Mechanical Work		88	14-Jun-28	17-Oct-28	198
A2530	Set Degasifier Towers & Odor Control	22	14-Jun-28	14-Jul-28	176
A2540	Process Mechanical	66	17-Jul-28	17-Oct-28	198
I&C & Electrical Work		176	13-Mar-28	16-Nov-28	176
A2520	Electrical Rough In & Slab on Grade	66	13-Mar-28	13-Jun-28	176
A2550	Electrical	66	17-Jul-28	17-Oct-28	176
A2560	Controls	44	18-Sep-28	16-Nov-28	176
Existing Electrical Switchgear Building		110	13-Oct-28	21-Mar-29	91
I&C & Electrical Work		110	13-Oct-28	21-Mar-29	91
A2110	Electrical Mods in Existing High Service Pump Room	110	13-Oct-28	21-Mar-29	91
A2130	Exposed Piping Mods	44	19-Jan-29	21-Mar-29	91
CO2 Facility		176	10-Aug-28	19-Apr-29	6
Structural & Architectural Work		44	12-Sep-28	10-Nov-28	6
A2740	SOG and Supports	44	12-Sep-28	10-Nov-28	6
I&C & Electrical Work		176	10-Aug-28	19-Apr-29	6
A2730	Underground Electrical	44	10-Aug-28	11-Oct-28	6



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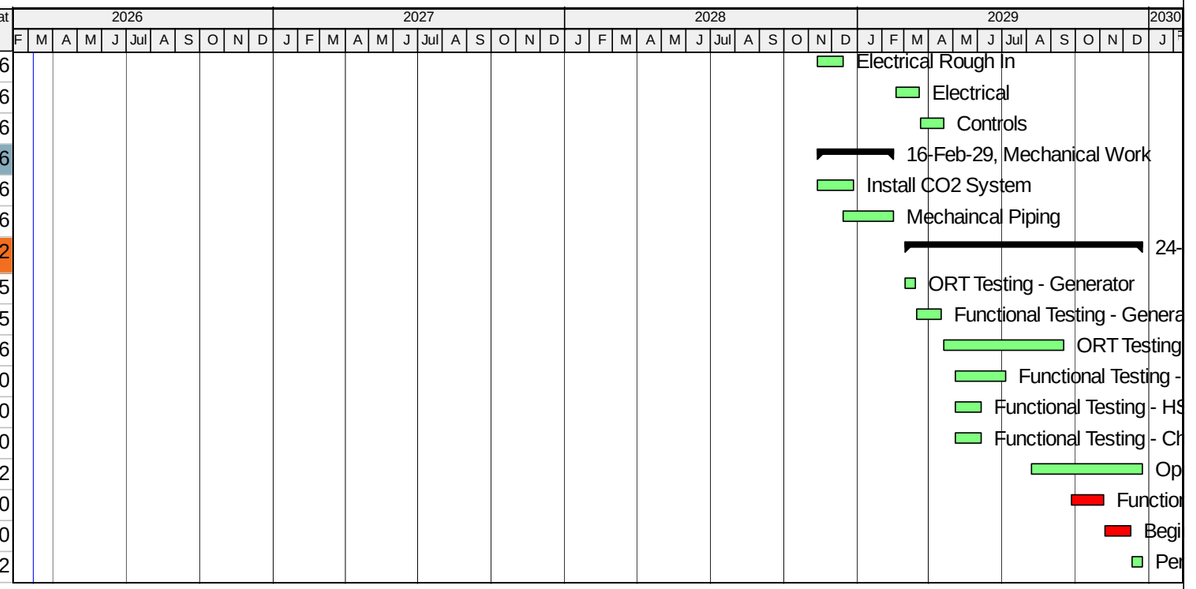
A2820	Electrical Rough In	22	13-Nov-28	14-Dec-28	6
A2830	Electrical	22	19-Feb-29	20-Mar-29	6
A2840	Controls	22	21-Mar-29	19-Apr-29	6
Mechanical Work		66	13-Nov-28	16-Feb-29	6
A2850	Install CO2 System	30	13-Nov-28	27-Dec-28	16
A2860	Mechaincal Piping	44	15-Dec-28	16-Feb-29	6
Commissioning		207	02-Mar-29	24-Dec-29	12
A3580	ORT Testing - Generator	10	02-Mar-29	15-Mar-29	95
A2680	Functional Testing - Generator	22	16-Mar-29	16-Apr-29	95
A2390	ORT Testing	104	20-Apr-29	17-Sep-29	6
A2400	Functional Testing - Clearwell/TP/Odor	44	04-May-29	06-Jul-29	60
A2660	Functional Testing - HSPS	22	04-May-29	05-Jun-29	60
A2670	Functional Testing - Chem Buildings and CO2 System	22	04-May-29	05-Jun-29	60
A2710	Operator Training	96	08-Aug-29	24-Dec-29	12
A2410	Functional Testing - RO Train 10 MGD	30	26-Sep-29	06-Nov-29	0
A2695	Begin Producing 10 MGD Drinking Water	22	07-Nov-29	10-Dec-29	0
A2705	Performance Testing for 10 MGD	10	11-Dec-29	24-Dec-29	12



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City of Port St. Lucie

Appendix B
Fee and Rate Table

City of Port St. Lucie
Discovery RO WTF - 20 MGD Capacity
March 27, 2026

			Labor Category		Subcontractor with 5% Markup	Pre-Con Grade 9	Pre-Con Grade 8	Pre-Con Grade 6	Pre-Con Grade 7	Pre-Con Grade 5	Pre-Con Grade 4	Pre-Con Grade 3	Field Grade 6	Engineer 9	Engineer 8	Engineer 7	Engineer 6	Engineer 5	Engineer 4	Engineer 3	Engineer 2	Technician 6	Technician 5	Technician 4	Technician 3	Technician 2		
			Example Staff Member			Misterly - PM Schoster - PD Benson	Ward - Precon Manger	V Llaneza Evans	R. Myers Sheehan	Rippie	Litminczyk D. Myers	Kirti	Hegarty	Elarde Zreibi Doran	Fu Everson Nicholson	Alfaro Liggett	Morrison Saharkhiz	E. Carrasc K. Riner T. Twist	Loose	Mai McLeod Patterson	Nash Alvarez Payne	Barton Denning	Ostrov/Team	Pastrana	Kaylor Malloy	Fries		
			Hourly Rate			$ 249	$ 237	$ 178	$ 213	$ 148	$ 136	$ 118	$ 166	$ 320	$ 272	$ 237	$ 219	$ 195	$ 172	$ 148	$ 130	$ 142	$ 124	$ 118	$ 101	$ 95		
PHASE I - DESIGN & PRECONSTRUCTION SERVICES			**SUBTOTALS**	**HOURS**	**Subcontractors**																							
		TOTAL (DESIGN & PRECON)	**$ 11,817,327**	**58,661**	**$ 320,515**	**2,614**	**1,634**	**4,693**	**892**	**805**	**272**	**816**	**185**	**2,732**	**3,497**	**5,947**	**4,373**	**4,613**	**3,362**	**2,737**	**2,748**	**1,566**	**5,350**	**5,967**	**2,678**	**1,180**		
	Task 1	**Project Management**	**$ 917,032**	**3,936**	**$ -**	**2544**	**0**	**1392**	**0**	**0**	**0**		**0**	**0**	**0**	**0**	**0**	**0**				**0**	**0**	**0**	**0**	**0**	**Task 1**	**Project Management**
	1.1	Setup, Financial, Tracking, Meetings, Subs, Reporting, Coordination	$ 893,032	4,036		2544		1392				100															1.1	Setup, Financial, Tracking, Meetings, Subs, Reporting, Coordination
		Labor Subtotal	$ 893,032			$ 633,456	$ -	$ 247,776	$ -	$ -	$ -	$ 11,800	$ -	-	-	-	-	-				-	-	-	-	-		Labor Subtotal
		Expenses (trip 2x/month @ $750/trip)	$ 24,000																									Expenses (trip 2x/month @ $750/trip)
	Task 2	**Preliminary Engineering**	**$ 462,211**	**1,956**	**$ 9,317**	**0**	**24**	**160**	**40**	**0**	**0**	**0**	**0**	**396**	**32**	**542**	**342**	**0**	**0**	**306**		**0**	**52**	**20**	**0**	**42**	**Task 2**	**Preliminary Engineering**
	2.1	Lessons Learned Confirmation	$ 12,984	48			16							16	8	8											2.1	Lessons Learned Confirmation
	2.2	Condition Assessment of Existing Facilities	$ 67,272	308			8							12	24	100	106			40			16			2	2.2	Condition Assessment of Existing Facilities
	2.3	Alternatives Analysis and Technical Workshops	$ 194,918	810				160	40					248		298				24			20			20	2.3	Alternatives Analysis and Technical Workshops
	2.4	Raw Water Characterization	$ 25,136	134										20		32				46			16	20			2.4	Raw Water Characterization
	2.5	Desktop Corrosion Control Study & Distribution System Analysis (Pace)	$ 148,557	656	$ 9,317									100		104	236			196						20	2.5	Desktop Corrosion Control Study & Distribution System Analysis
		Labor and Subcontractor Subtotal	$ 448,867		$ 9,317	$ -	$ 5,688	$ 28,480	$ 8,520	$ -	$ -	$ -	$ -	$ 126,720	$ 8,704	$ 128,454	$ 74,898	$ -	$ -	$ 45,288		$ -	$ 6,448	$ 2,360	$ -	$ 3,990		Labor and Subcontractor Subtotal
		Expenses	$ 13,344																									Expenses
	Task 3	**Permitting Services**	**$ 148,147**	**672**	**$ -**	**0**	**10**	**0**	**0**	**0**	**0**	**0**	**0**	**20**	**90**	**180**	**48**	**0**				**0**	**0**	**300**	**0**	**24**	**Task 3**	**Permitting Services**
		Permits	$ 124,102	672			10							20	90	180	48							300		24		Permits
		Labor and Subcontractor Subtotal	$ 124,102			$ -	$ 2,370	$ -	$ -	$ -	$ -	$ -	$ -	$ 6,400	$ 24,480	$ 42,660	$ 10,512	$ -	$ -	$ -	$ -	$ -	$ -	$ 35,400	$ -	$ 2,280		Labor and Subcontractor Subtotal
		Expenses (Permitting Fees)	$ 24,045																									Expenses (Permitting Fees)
	Task 4	**Survey and Field Investigations**	**$ 248,852**	**70**	**$ 237,232**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**70**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**Task 4**	**Survey and Field Investigations**
	4.1	Topographic & Boundary Survey and (1) Easement Legal Description - ISS	$ 54,075		$ 54,075																						4.1	Topographic & Boundary Survey - ISS
		Subsurface Utility Engineering - InfraMap (1 crew @ $2550 per day for 5 days; 10 test holes @ $850 each)	$ 36,218	30	$ 31,238								30															Subsurface Utility Engineering - InfraMap
	4.2	Geotechnical Borings, Soil Testing, Analyses, and Report - Ardaman	$ 158,559	40	$ 151,919								40														4.2	Geotechnical Borings, Soil Testing, Analyses, and Report - Ardaman
		Labor and Subcontractor Subtotal	$ 248,852		237,232	-	-	-	-	-	-	-	$ 11,620	-	-	-	-	-				-	-	-	-	-		Labor and Subcontractor Subtotal
	Task 5	**Engineering Design Development**	**$ 7,896,030**	**44,163**	**$ -**	**0**	**0**	**0**	**0**	**0**	**0**		**0**	**2,281**	**3,375**	**5,067**	**3,983**	**4,613**	**3,362**	**2,431**	**2,748**	**1,566**	**5,298**	**5,647**	**2,678**	**1,114**	**Task 5**	**Engineering Design Development**
	5.1	Preliminary Design Report Package - 15% Design Package	$ 510,167	2,650										210	245	385	260	266	260	120	120	252	322	110		100	5.1	Preliminary Design Report Package - 15% Design Package
	5.2	30% Design Package	$ 1,508,799	8,149										482	872	995	875	665	720	440	540	160	890	990	300	220	5.2	30% Design Package
	5.3	60% Detail Design Package	$ 2,537,350	13,979										707	986	1902	1260	1760	1240	960	960	314	1250	1669	677	293	5.3	60% Detail Design Package
	5.4	90% Final Design Documents	$ 2,270,524	13,231										610	874	1300	1156	1406	892	786	923	420	1480	1734	1315	335	5.4	90% Final Design Documents
	5.5	100% Final Construction Documents	$ 908,202	5,717										252	220	405	352	476	250	125	205	420	1356	1144	386	126	5.5	100% Final Construction Documents
	5.6	ODP and Subcontractor Bid Support Evaluation Services	$ 56,716	218										20	178											20	5.6	ODP and Subcontractor Bid Support Evaluation Services
	5.7	ODP Equipment Submittal Review	$ 46,180	220												80	80	40								20	5.7	ODP Equipment Submittal Review
		Labor and Subcontractor Subtotal	$ 7,837,938											$ 729,920	$ 918,000	$ 1,200,879	$ 872,257	$ 899,619	$ 578,264	$ 359,788	$ 357,240	$ 222,372	$ 656,952	$ 666,346	$ 270,478	$ 105,823		Labor and Subcontractor Subtotal
		Expenses	$ 58,092																									Expenses
	Task 6	**Preconstruction Services**	**$ 1,317,500**	**6,725**	**$ 45,564**	**0**	**1,570**	**2,485**	**662**	**805**	**272**	**816**	**115**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**Task 6**	**Preconstruction Services**
	6.1	Cost Estimating																									6.1	Cost Estimating
	6.1.1	Indicative Project Cost Model	$ 36,166	198			8	150	30			10															6.1.1	Indicative Project Cost Model
	6.1.2	Baseline (PDR) Project Cost Model	$ 36,166	198			8	150	30			10															6.1.2	Baseline (PDR) Project Cost Model
	6.1.3	30% Project Cost Model	$ 193,723	1041			65	720	210			46															6.1.3	30% Project Cost Model
	6.1.4	60% Project Cost Model	$ 193,723	1041			65	720	210			46															6.1.4	60% Project Cost Model
	6.1.5	Trend Logs	$ 137,617	674			345	100	58			56	115														6.1.5	Trend Logs
	6.2	Risk Management	$ 114,739	558			305	115	60			78															6.2	Risk Management
	6.3	Subcontractor and ODP Procurement																									6.3	Subcontractor and ODP Procurement
	6.3.1	Procurement Plan	$ 13,020	80			20			40		20															6.3.1	Procurement Plan
	6.3.2	Subcontracted Work	$ 149,430	910			250			410		250															6.3.2	Subcontracted Work
	6.3.3	Owner Direct Purchase	$ 130,640	795			220			355		220															6.3.3	Owner Direct Purchase
	6.4	Design Build Schedule	$ 92,672	522			220				272	30															6.4	Design Build Schedule
	6.5	Constructability Reviews	$ 72,808	384			64	230	64			26															6.5	Constructability Reviews
	6.6	Commissioning and Operability Reviews	$ 56,232	324				300				24															6.6	Commissioning and Operability Reviews
	6.7	Subcontractor Preconstruction Services - Crom	$ 45,564		$ 45,564																						6.7	Subcontractor Preconstruction Services - Crom
		Labor and Subcontractor Subtotal	$ 1,272,500		$ 45,564		$ 372,090	$ 442,330	$ 141,006	$ 119,140	$ 36,992	$ 96,288	$ 19,090	-	-	-	-	-				-	-	-	-	-		Subtotal
		Expenses (30 trips @ $1500/trip)	$ 45,000																									Expenses (30 trips @ $1500/trip)
	Task 7	**Phase 2 Price Proposal Development**	**$ 176,394**	**898**	**$ -**	**30**	**30**	**648**	**190**	**0**	**0**		**0**	**0**	**0**	**0**	**0**	**0**				**0**	**0**	**0**	**0**	**0**	**Task 7**	**Phase 2 Price Proposal Development**
	7.1	GMP #1 Proposal	$ 46,934	248		8	8	182	50																		7.1	GMP #1 Proposal
	7.2	GMP #2 Proposal	$ 123,460	650		22	22	466	140																		7.2	GMP #2 Proposal
		Subtotal	$ 170,394			$ 7,470	$ 7,110	$ 115,344	$ 40,470	$ -	$ -		$ -	-	-	-	-	-				-	-	-	-	-		Subtotal
		Expenses (4 trips @ $1500/trip)	$ 6,000																									Expenses (4 trips @ $1500/trip)
	Task 8	**Additional Services and Allowances**	**$ 651,162**	**241**	**$ 28,403**	**40**	**0**	**8**	**0**	**0**	**0**		**0**	**35**	**0**	**158**	**0**	**0**				**0**	**0**	**0**	**0**	**0**	**Task 8**	**Additional Services and Allowances**
	8.1	Allowances for Additional Design, Permitting and Preconstruction Services																									8.1	Allowances for Additional Design, Permitting and Preconstruction Services
	8.1.1	Public Outreach Planning and Support - The Merchant Strategy	$ 52,487	100	$ 28,403	32										68											8.1.1	Public Outreach Planning and Support
	8.1.2	Funding Assistance	$ 35,946	141		8		8						35		90											8.1.2	Funding Assistance
	8.1.3	Owner-Directed Additional Services Allowance (5%)	$ 562,730																								8.1.3	Owner-Directed Additional Services Allowance (5%)
		Labor and Subcontractor Subtotal	$ 651,162		$ 28,403	$ 9,960	$ -	$ 1,424	$ -	$ -	$ -		$ -	$ 11,200	$ -	$ 37,446	-	-				-	-	-	-	-		Labor and Subcontractor Subtotal
EARLY CONSTRUCTION SERVICES			**$ 20,000,000**																									
	8.2	Allowances for Early Construction Services	$ 20,000,000																									
		TOTAL - DESIGN/PRECON/EARLY-CONST	**$ 31,817,327**																									
		Potential Deductions from Design Effort for Changes after 30%	**$ (1,063,053)**	**-6,087**										**-293**	**-334**	**-784**	**-445**	**-808**	**-384**	**-299**	**-383**	**-189**	**-668**	**-1,001**	**-378**	**-121**	**Deduct**	**Potential Deductions from Design Effort for Changes after 30%**
		Office and Storage Building (remove at 30%)	$ (141,055)	(774)										40		202		221			49			262				Office and Storage Building (remove at 30%)
		60% Detail Design Package (drop from 20 MGD to 10 MGD at 30%)	$ (422,026)	(2,325)										118	164	316	210	293	206	160	160	52	208	278	113	49		60% Detail Design Package (drop from 20 MGD to 10 MGD at 30%)
		90% Final Design Documents (drop from 20 MGD to 10 MGD at 30%)	$ (340,465)	(1,984)										91	131	195	173	211	134	118	138	63	222	260	197	50		90% Final Design Docs (drop from 20 MGD to 10 MGD at 30%)
		100% Final Construction Documents (drop from 20 MGD to 10 MGD at 30%)	$ (159,508)	(1,004)										44	39	71	62	84	44	22	36	74	238	201	68	22		100% Final Const Docs (drop from 20 MGD to 10 MGD at 30%)

Phase 1 - Design/Preconstruction Rate Table	
Title	2026 Rate/Hr.
Engineering Grade 9	$320
Engineering Grade 8	$272
Engineering Grade 7	$237
Engineering Grade 6	$219
Engineering Grade 5	$195
Engineering Grade 4	$172
Engineering Grade 3	$148
Engineering Grade 2	$130
Engineering Grade 1	$112
Technician Grade 6	$142
Technician Grade 5	$124
Technician Grade 4	$118
Technician Grade 3	$101
Technician Grade 2	$95
Technician Grade 1	$89
Pre-Construction Grade 9	$249
Pre-Construction Grade 8	$237
Pre-Construction Grade 7	$213
Pre-Construction Grade 6	$178
Pre-Construction Grade 5	$148
Pre-Construction Grade 4	$136
Pre-Construction Grade 3	$118
Pre-Construction Grade 2	$95
Pre-Construction Grade 1	$89
Field Support Grade 10	$189
Field Support Grade 9	$178
Field Support Grade 8	$166
Field Support Grade 7	$154
Field Support Grade 6	$142
Field Support Grade 5	$130
Field Support Grade 4	$118
Field Support Grade 3	$107
Field Support Grade 2	$95
Field Support Grade 1	$83

Appendix C
List of Drawings

City of Port St Lucie Discovery RO WTF - 20 MGD Capacity

PRELIMINARY DRAWING LIST

Count	Facility Code	Discipline*	Sheet Type	Group	Sheet Number	Drawing Title
			DRAWING LIST			
	00			GNV		GENERAL
1	00	Digital Delivery Lead (DDL)	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	000-G-0001	GENERAL - COVER SHEET
2	00	Digital Delivery Lead (DDL)	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	000-G-0002	GENERAL - INDEX OF DRAWINGS SHEET 1
3	00	Digital Delivery Lead (DDL)	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	000-G-0003	GENERAL - INDEX OF DRAWINGS SHEET 2
4	00	Digital Delivery Lead (DDL)	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	000-G-0004	GENERAL - ABBREVIATIONS
5	00	Digital Delivery Lead (DDL)	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	000-G-0005	GENERAL - ABBREVIATIONS AND SYMBOLS
6	00	Civil	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	000-C-0006	GENERAL - CIVIL - SITE GENERAL NOTES
7	00	Civil	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	000-C-0007	GENERAL - CIVIL - SITE GENERAL NOTES
8	00	Structural	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	000-S-0000	GENERAL - STRUCTURAL NOTES
9	00	Structural	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	000-S-0002	GENERAL - STRUCTURAL NOTES
10	00	Architecture	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	000-A-0000	GENERAL - ARCHITECTURAL LEGEND SHEET
11	00	Fire Protection	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	000-FA-0000	GENERAL - FIRE ALARM GENERAL - NOTES SHEET
12	00	Fire Protection	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	000-FS-0000	GENERAL - FIRE SUPPRESSION GENERAL - NOTES SHEET
13	00	Plumbing	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	000-P-0000	GENERAL - PLUMBING LEGEND
14	00	Process Mechanical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	000-D-0000	GENERAL - PROCESS MECHANICAL LEGEND SHEET 1
15	00	Process Mechanical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	000-D-0002	GENERAL - PROCESS MECHANICAL LEGEND SHEET 2
16	00	HVAC	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	000-M-0000	GENERAL - HVAC LEGEND
17	00	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	000-E-0000	GENERAL - ELECTRICAL LEGEND SHEET 1
18	00	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	000-E-0002	GENERAL - ELECTRICAL LEGEND SHEET 2
19	00	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	000-E-0003	GENERAL - ELECTRICAL LEGEND SHEET 3
20	00	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	000-E-0004	GENERAL - ELECTRICAL GENERAL - NOTES
21	00	Instrumentation & Controls	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	000-N-0000	GENERAL - INSTRUMENTATION AND CONTROLS LEGEND SHEET 1
22	00	Instrumentation & Controls	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	000-N-0002	GENERAL - INSTRUMENTATION AND CONTROLS LEGEND SHEET 2
23	00	Process Mechanical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	000-D-0003	GENERAL - PROCESS FLOW DIAGRAM
	05			GNV		SURVEY, SITE, AND YARD PIPING
24	05	Civil	Plans (Horizontal Views)	GNV	005-C-201	CIVIL - SITE CIVIL SITE PLAN - OVERVIEW
25	05	Civil	Plans (Horizontal Views)	GNV	005-C-202	CIVIL - SITE CIVIL SITE PLAN
26	05	Civil	Plans (Horizontal Views)	GNV	005-C-203	CIVIL - SITE GRADING & DRAINAGE PLAN
27	06	Civil	Plans (Horizontal Views)	GNV	005-C-204	CIVIL - SITE GRADING & DRAINAGE PLAN
28	07	Civil	Plans (Horizontal Views)	GNV	005-C-2005	CIVIL - SITE GRADING & DRAINAGE PLAN
29	08	Civil	Plans (Horizontal Views)	GNV	005-C-2006	CIVIL - SITE GRADING & DRAINAGE PLAN
30	09	Civil	Plans (Horizontal Views)	GNV	005-C-2007	CIVIL - SITE GRADING & DRAINAGE PLAN
31	05	Civil	Plans (Horizontal Views)	GNV	005-C-2008	CIVIL - SITE CIVIL UTILITY PLAN
32	06	Civil	Plans (Horizontal Views)	GNV	005-C-2009	CIVIL - SITE CIVIL UTILITY PLAN
33	07	Civil	Plans (Horizontal Views)	GNV	005-C-2010	CIVIL - SITE CIVIL UTILITY PLAN
34	05	Civil	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	005-C-4001	CIVIL - SITE SECTION VIEWS
35	05	Civil	Details (includes Standard Details)	GNV	005-C-5001	CIVIL - SITE CIVIL DETAILS
36	05	Civil	Details (includes Standard Details)	GNV	005-C-5002	CIVIL - SITE CIVIL DETAILS
37	05	Civil	Details (includes Standard Details)	GNV	005-C-5003	CIVIL - SITE EROSION CONTROL DETAILS
38	05	Civil	Details (includes Standard Details)	GNV	005-C-5004	CIVIL - SITE CIVIL DETAILS
39	05	Civil	Details (includes Standard Details)	GNV	005-C-5005	CIVIL - SITE CIVIL DETAILS
40	05	Civil	Details (includes Standard Details)	GNV	005-C-5006	CIVIL - SITE CIVIL DETAILS
41	05	Yard Piping	Plans (Horizontal Views)	GNV	005-Y-0001	YARD PIPING - OVERALL YARD PIPING PLAN
42	05	Yard Piping	Plans (Horizontal Views)	GNV	005-Y-1001	YARD PIPING - EXISTING CONDITIONS AND DEMOLITION YARD PIPING PLAN
43	05	Yard Piping	Plans (Horizontal Views)	GNV	005-Y-1002	YARD PIPING - EXISTING CONDITIONS AND DEMOLITION YARD PIPING PLAN
44	05	Yard Piping	Plans (Horizontal Views)	GNV	005-Y-1003	YARD PIPING - EXISTING CONDITIONS AND DEMOLITION YARD PIPING PLAN
45	05	Yard Piping	Plans (Horizontal Views)	GNV	005-Y-1004	YARD PIPING - EXISTING CONDITIONS AND DEMOLITION YARD PIPING PLAN
46	05	Yard Piping	Large Scale Views (Large scale plans, Large scale elevations)	GNV	005-Y-201	YARD PIPING - ENLARGED YARD PIPING PLAN
47	05	Yard Piping	Large Scale Views (Large scale plans, Large scale elevations)	GNV	005-Y-202	YARD PIPING - ENLARGED YARD PIPING PLAN
48	05	Yard Piping	Large Scale Views (Large scale plans, Large scale elevations)	GNV	005-Y-203	YARD PIPING - ENLARGED YARD PIPING PLAN
49	05	Yard Piping	Large Scale Views (Large scale plans, Large scale elevations)	GNV	005-Y-204	YARD PIPING - ENLARGED YARD PIPING PLAN AND SECTION
50	05	Yard Piping	Large Scale Views (Large scale plans, Large scale elevations)	GNV	005-Y-2005	YARD PIPING - ENLARGED YARD PIPING PLAN AND SECTION
51	05	Yard Piping	Large Scale Views (Large scale plans, Large scale elevations)	GNV	005-Y-2006	YARD PIPING - ENLARGED YARD PIPING PLAN AND SECTION

City of Port St Lucie Discovery RO WTF - 20 MGD Capacity

PRELIMINARY DRAWING LIST

Count	Facility Code	Discipline*	Sheet Type	Group	Sheet Number	Drawing Title
DRAWING LIST						
52	05	Landscape	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	05-L-501	LANDSCAPE - IRRIGATION SPECIFICATIONS
53	05	Landscape	Details (includes Standard Details)	GNV	05-L-502	LANDSCAPE - IRRIGATION DETAILS
54	05	Landscape	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	05-L-503	LANDSCAPE PLAN SPECIFICATIONS
55	05	Landscape	Schedules	GNV	05-L-504	LANDSCAPE PLAN SCHEDULE & DETAILS
56	05	Landscape	Plans (Horizontal Views)	GNV	05-L-201	LANDSCAPE - IRRIGATION PLAN ACCESS ROAD
57	05	Landscape	Plans (Horizontal Views)	GNV	05-L-202	LANDSCAPE - IRRIGATION PLAN CORE AREA
58	05	Landscape	Plans (Horizontal Views)	GNV	05-L-203	LANDSCAPE PLAN ACCESS ROAD
59	05	Landscape	Plans (Horizontal Views)	GNV	05-L-204	LANDSCAPE PLAN CORE AREA
60	05	Electrical	Plans (Horizontal Views)	GNV	005-E-1001	ELECTRICAL - SITE PLAN - OVERALL
61	05	Electrical	Large Scale Views (Large scale plans, Large scale elevations)	GNV	005-E-201	ELECTRICAL - ENLARGED SITE PLAN
62	05	Electrical	Large Scale Views (Large scale plans, Large scale elevations)	GNV	005-E-202	ELECTRICAL - ENLARGED SITE PLAN
63	05	Electrical	Large Scale Views (Large scale plans, Large scale elevations)	GNV	005-E-203	ELECTRICAL - ENLARGED SITE PLAN
64	05	Electrical	Large Scale Views (Large scale plans, Large scale elevations)	GNV	005-E-204	ELECTRICAL - ENLARGED SITE PLAN
65	05	Electrical	Plans (Horizontal Views)	GNV	005-E-203	ELECTRICAL - MISC. ABOVE GROUND PROPOSED CONCENTRATE PLAN TO WELLFIELD
66	05	Electrical	Plans (Horizontal Views)	GNV	005-E-204	ELECTRICAL - MISC. ABOVE GROUND PROPOSED CONCENTRATE PLAN TO WELLFIELD
67	05	Electrical	Plans (Horizontal Views)	GNV	005-E-2005	ELECTRICAL - MISC. ABOVE GROUND PROPOSED CONCENTRATE PLAN TO WELLFIELD
68	05	Electrical	Plans (Horizontal Views)	GNV	005-E-601	ELECTRICAL - SITE PLAN DUCTBANK SCHEDULE
69	05	Electrical	Plans (Horizontal Views)	GNV	005-E-602	ELECTRICAL - SITE PLAN DUCTBANK SCHEDULE
70	05	Electrical	Plans (Horizontal Views)	GNV	005-E-603	ELECTRICAL - SITE PLAN DUCTBANK SCHEDULE
71	05	Electrical	Plans (Horizontal Views)	GNV	005-E-6004	ELECTRICAL - SITE PLAN DUCTBANK SCHEDULE
72	05	Security	Plans (Horizontal Views)	GNV	005-N-201	SECURITY - SITE PLAN
73	06	Security	Plans (Horizontal Views)	GNV	005-N-202	SECURITY - SITE PLAN
	08			GNV		INSTRUMENTATION AND CONTROLS
74	08	Instrumentation & Controls	P&ID	GNV	008-N-601	INSTRUMENTATION AND CONTROLS - P&ID FLOW METER AND RO AND BYPASS STRAINERS
75	08	Instrumentation & Controls	P&ID	GNV	008-N-602	INSTRUMENTATION AND CONTROLS - P&ID RO FEED CARTRIDGE FILTERS
76	08	Instrumentation & Controls	P&ID	GNV	008-N-603	INSTRUMENTATION AND CONTROLS - P&ID RO FEED PUMP STATION
77	08	Instrumentation & Controls	P&ID	GNV	008-N-6004	INSTRUMENTATION AND CONTROLS - P&ID OVERALL RO TRAINS
78	08	Instrumentation & Controls	P&ID	GNV	008-N-6005	INSTRUMENTATION AND CONTROLS - P&ID RO TRAIN 1 OF 4
79	08	Instrumentation & Controls	P&ID	GNV	008-N-6006	INSTRUMENTATION AND CONTROLS - P&ID RO TRAIN 2 OF 4
80	08	Instrumentation & Controls	P&ID	GNV	008-N-6007	INSTRUMENTATION AND CONTROLS - P&ID RO TRAIN 3 OF 4
81	08	Instrumentation & Controls	P&ID	GNV	008-N-6008	INSTRUMENTATION AND CONTROLS - P&ID RO TRAIN 4 OF 4
82	08	Instrumentation & Controls	P&ID	GNV	008-N-6009	INSTRUMENTATION AND CONTROLS - P&ID DEGASIFIERS AND ODOR SCRUBBERS
83	08	Instrumentation & Controls	P&ID	GNV	008-N-6010	INSTRUMENTATION AND CONTROLS - P&ID DEGASIFIERS AND ODOR SCRUBBERS
84	08	Instrumentation & Controls	P&ID	GNV	008-N-6011	INSTRUMENTATION AND CONTROLS - P&ID DEGASIFIERS AND ODOR SCRUBBERS
85	08	Instrumentation & Controls	P&ID	GNV	008-N-6012	INSTRUMENTATION AND CONTROLS - P&ID RO CLEAN IN PLACE
86	08	Instrumentation & Controls	P&ID	GNV	008-N-6013	INSTRUMENTATION AND CONTROLS - P&ID CLEARWELL AND TRANSFER PUMP STATION
87	08	Instrumentation & Controls	P&ID	GNV	008-N-6014	INSTRUMENTATION AND CONTROLS - P&ID HIGH SERVICE PUMPS 5 AND 6 (PHASE 2) 20 MGD
88	09	Instrumentation & Controls	P&ID	GNV	008-N-6015	INSTRUMENTATION AND CONTROLS - P&ID HIGH SERVICE PUMPS 7 AND 8 (PHASE 3) 30 MGD
89	08	Instrumentation & Controls	P&ID	GNV	008-N-6015	INSTRUMENTATION AND CONTROLS - P&ID PLANT DRAIN / WASTE PUMP STATIONS
90	08	Instrumentation & Controls	P&ID	GNV	008-N-6016	INSTRUMENTATION AND CONTROLS - P&ID SCALE INHIBITOR STORAGE AND FEED SYSTEM
91	08	Instrumentation & Controls	P&ID	GNV	008-N-6017	INSTRUMENTATION AND CONTROLS - P&ID SULFURIC ACID STORAGE AND FEED SYSTEM
92	08	Instrumentation & Controls	P&ID	GNV	008-N-6018	INSTRUMENTATION AND CONTROLS - P&ID SODIUM HYPOCHLORITE STORAGE AND FEED SYSTEM
93	08	Instrumentation & Controls	P&ID	GNV	008-N-6019	INSTRUMENTATION AND CONTROLS - P&ID SODIUM HYDROXIDE STORAGE AND FEED SYSTEM
94	08	Instrumentation & Controls	P&ID	GNV	008-N-6020	INSTRUMENTATION AND CONTROLS - P&ID CORROSION INHIBITOR STORAGE AND FEED SYSTEM
95	08	Instrumentation & Controls	P&ID	GNV	008-N-6021	INSTRUMENTATION AND CONTROLS - P&ID AMMONIA STORAGE AND FEED SYSTEM
96	08	Instrumentation & Controls	P&ID	GNV	008-N-6022	INSTRUMENTATION AND CONTROLS - P&ID CARBON DIOXIDE STORAGE AND FEED SYSTEM
97	08	Instrumentation & Controls	P&ID	GNV	008-N-6023	INSTRUMENTATION AND CONTROLS - P&ID CARBON DIOXIDE FEED SYSTEM
98	08	Instrumentation & Controls	P&ID	GNV	008-N-6024	INSTRUMENTATION AND CONTROLS - P&ID AIR COMPRESSOR
99	08	Instrumentation & Controls	P&ID	GNV	008-N-6025	INSTRUMENTATION AND CONTROLS - P&ID DIESEL FUEL STORAGE TANK
100	08	Instrumentation & Controls	P&ID	GNV	008-N-6026	INSTRUMENTATION AND CONTROLS - P&ID DIESEL ENGINE GENERATOR AND FUELING SYSTEM
101	09	Instrumentation & Controls	P&ID	GNV	008-N-6027	INSTRUMENTATION AND CONTROLS - P&ID GROUND STORAGE TANKS
102	08	Instrumentation & Controls	P&ID	GNV	008-N-7001	INSTRUMENTATION AND CONTROLS - NETWORK DIAGRAM
103	08	Instrumentation & Controls	P&ID	GNV	008-N-7002	INSTRUMENTATION AND CONTROLS - NETWORK DIAGRAM

City of Port St Lucie Discovery RO WTF - 20 MGD Capacity

PRELIMINARY DRAWING LIST

Count	Facility Code	Discipline*	Sheet Type	Group	Sheet Number	Drawing Title
DRAWING LIST						
104	08	Instrumentation & Controls	P&ID	GNV	008-N-8003	INSTRUMENTATION AND CONTROLS - CONTROL SYSTEM ARCHITECTURE
105	08	Instrumentation & Controls	P&ID	GNV	008-N-8004	INSTRUMENTATION AND CONTROLS - P&ID EXISTING WELL NO. IW-1
106	08	Instrumentation & Controls	P&ID	GNV	008-N-8005	INSTRUMENTATION AND CONTROLS - P&ID EXISTING WELL NO. IW-2
107	08	Instrumentation & Controls	P&ID	GNV	008-N-8006	INSTRUMENTATION AND CONTROLS - P&ID EXISTING WELL NO. DZMW-1
108	08	Instrumentation & Controls	P&ID	GNV	008-N-8007	INSTRUMENTATION AND CONTROLS - INSTALLATION DETAILS
109	09	Instrumentation & Controls	P&ID	GNV	008-N-8008	INSTRUMENTATION AND CONTROLS - INSTALLATION DETAILS
	09			GNV		SECURITY
110	09	Security	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	009-N-7001	INSTRUMENTATION AND CONTROLS - INTERNAL SECURITY NETWORK DIAGRAM
111	09	Security	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	009-N-7002	INSTRUMENTATION AND CONTROLS - INTERNAL SECURITY NETWORK DIAGRAM
112	09	Security	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	009-N-7003	INSTRUMENTATION AND CONTROLS - INTERNAL SECURITY NETWORK DIAGRAM
113	09	Security	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	009-N-7004	INSTRUMENTATION AND CONTROLS - EXTERNAL SECURITY NETWORK DIAGRAM
114	09	Security	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	009-N-7005	INSTRUMENTATION AND CONTROLS - EXTERNAL SECURITY NETWORK DIAGRAM
115	09	Security	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	009-N-7006	INSTRUMENTATION AND CONTROLS - EXTERNAL SECURITY NETWORK DIAGRAM
	10			GNV		RW FLOWMETER
116	10	Structural	Plans (Horizontal Views)	GNV	010-S-201	STRUCTURAL - FLOW METER LOWER PLAN
117	10	Structural	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	010-S-301	STRUCTURAL - FLOW METER SECTIONS
118	10	Process Mechanical	Plans (Horizontal Views)	GNV	010-D-202	PROCESS MECHANICAL - FLOW METER PLAN AND SECTION
119	10	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	010-E-601	ELECTRICAL - FLOW METER RISER DIAGRAMS
	30			GNV		RO MEMBRANE AND ADMIN/OPS/ELECTRICAL BUILDING
120	30	Architecture	Plans (Horizontal Views)	GNV	030-A-2000	ARCHITECTURAL - RO BUILDING OVERALL FLOOR PLAN
121	30	Architecture	Plans (Horizontal Views)	GNV	030-A-201	ARCHITECTURAL - RO BUILDING FLOOR PLAN - - OPERATIONS AREA
122	30	Architecture	Plans (Horizontal Views)	GNV	030-A-202	ARCHITECTURAL - RO BUILDING FLOOR PLAN - - MEMBRANE AREA
123	30	Architecture	Plans (Horizontal Views)	GNV	030-A-203	ARCHITECTURAL - RO BUILDING REFLECTED CEILING PLAN - - OPERATIONS AREA
124	30	Architecture	Plans (Horizontal Views)	GNV	030-A-204	ARCHITECTURAL - RO BUILDING REFLECTED CEILING PLAN - - MEMBRANE AREA
125	30	Architecture	Plans (Horizontal Views)	GNV	030-A-2005	ARCHITECTURAL - RO BUILDING ROOF PLAN - - OPERATIONS AREA
126	30	Architecture	Plans (Horizontal Views)	GNV	030-A-2006	ARCHITECTURAL - RO BUILDING ROOF PLAN - - MEMBRANE AREA
127	30	Architecture	Large Scale Views (Large scale plans, Large scale elevations)	GNV	030-A-2007	ARCHITECTURAL - RO BUILDING ENLARGED RESTROOM PLAN, RCP & ELEVATIONS
128	30	Architecture	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-A-2008	ARCHITECTURAL - RO BUILDING INTERIOR ELEVATIONS
129	30	Architecture	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-A-3000	ARCHITECTURAL - RO BUILDING OVERALL EXTERIOR ELEVATIONS
130	30	Architecture	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-A-301	ARCHITECTURAL - RO BUILDING EXTERIOR ELEVATIONS - NORTH & EAST
131	30	Architecture	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-A-302	ARCHITECTURAL - RO BUILDING EXTERIOR ELEVATIONS - SOUTH & WEST
132	30	Architecture	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-A-303	ARCHITECTURAL - RO BUILDING SECTIONS AND WALL SECTIONS
133	30	Architecture	3D Representations (Isometrics, Perspectives, photos, images)	GNV	030-A-4000	ARCHITECTURAL - RO BUILDING ISOMETRIC VIEWS
134	30	Architecture	Details (includes Standard Details)	GNV	030-A-4001	ARCHITECTURAL - RO BUILDING DOOR SCHEDULE AND DETAILS
135	30	Architecture		GNV	030-A-4002	ARCHITECTURAL - RO BUILDING WINDOW LOUVER AND FINISH SCHEDULE
136	30	Architecture	Details (includes Standard Details)	GNV	030-A-5000	ARCHITECTURAL - RO BUILDING CMU OPENING DETAILS
137	30	Architecture	Details (includes Standard Details)	GNV	030-A-5001	ARCHITECTURAL - RO BUILDING ROOF DETAILS
138	30	Architecture	Details (includes Standard Details)	GNV	030-A-5002	ARCHITECTURAL - RO BUILDING LOCKER & SHOWER DETAILS
139	30	Architecture	Details (includes Standard Details)	GNV	030-A-5003	ARCHITECTURAL - RO BUILDING SINGLE PLY ROOF DETAILS
140	30	Architecture	Details (includes Standard Details)	GNV	030-A-5004	ARCHITECTURAL - RO BUILDING SHOWER AND LOCKER DETAILS
141	30	Architecture	Details (includes Standard Details)	GNV	030-A-5005	ARCHITECTURAL - RO BUILDING CABINET DETAILS
142	30	Architecture		GNV	030-A-6000	ARCHITECTURAL - RO BUILDING PARTITION TYPES
143	30	Structural	Plans (Horizontal Views)	GNV	030-S-201	STRUCTURAL - RO MEMBRANE BUILDING OVERALL FOUNDATION PLAN
144	30	Structural	Plans (Horizontal Views)	GNV	030-S-202	STRUCTURAL - RO MEMBRANE BUILDING FOUNDATION PLAN OPERATIONS AREA
145	30	Structural	Plans (Horizontal Views)	GNV	030-S-203	STRUCTURAL - RO MEMBRANE BUILDING FOUNDATION PLAN - MEMBRANE AREA
146	30	Structural	Plans (Horizontal Views)	GNV	030-S-2101	STRUCTURAL - RO MEMBRANE BUILDING OVERALL FLOOR PLAN
147	30	Structural	Plans (Horizontal Views)	GNV	030-S-2102	STRUCTURAL - RO MEMBRANE BUILDING FLOOR PLAN - OPERATIONS AREA
148	30	Structural	Plans (Horizontal Views)	GNV	030-S-2103	STRUCTURAL - RO MEMBRANE BUILDING FLOOR PLAN - MEMBRANE AREA
149	30	Structural	Plans (Horizontal Views)	GNV	030-S-2202	STRUCTURAL - RO MEMBRANE BUILDING BRIDGE CRANE PLAN
150	30	Structural	Plans (Horizontal Views)	GNV	030-S-2301	STRUCTURAL - RO MEMBRANE BUILDING OVERALL ROOF PLAN
151	30	Structural	Plans (Horizontal Views)	GNV	030-S-2302	STRUCTURAL - RO MEMBRANE BUILDING ROOF PLAN - OPERATIONS AREA
152	30	Structural	Plans (Horizontal Views)	GNV	030-S-2303	STRUCTURAL - RO MEMBRANE BUILDING ROOF PLAN - MEMBRANE AREA
153	30	Structural	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-S-301	STRUCTURAL - RO MEMBRANE BUILDING SECTION

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PRELIMINARY DRAWING LIST

Count	Facility Code	Discipline*	Sheet Type	Group	Sheet Number	Drawing Title
DRAWING LIST						
154	30	Structural	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-S-302	STRUCTURAL - RO MEMBRANE BUILDING SECTION
155	30	Structural	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-S-303	STRUCTURAL - RO MEMBRANE BUILDING SECTIONS
156	30	Structural	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-S-3004	STRUCTURAL - RO MEMBRANE BUILDING SECTION
157	30	Structural	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-S-3005	STRUCTURAL - RO MEMBRANE BUILDING SECTIONS
158	30	Structural	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-S-3006	STRUCTURAL - RO MEMBRANE BUILDING SECTIONS
159	30	Structural	Large Scale Views (Large scale plans, Large scale elevations)	GNV	030-S-4001	STRUCTURAL - RO MEMBRANE BUILDING ENLARGED FOUNDATION PLAN
160	30	Structural	Large Scale Views (Large scale plans, Large scale elevations)	GNV	030-S-4002	STRUCTURAL - RO MEMBRANE BUILDING ENLARGED FLOOR AND
161	30	Structural		GNV	030-S-5001	STRUCTURAL - RO MEMBRANE BUILDING COMPONENT AND CLADDING
162	30	Structural	Details (includes Standard Details)	GNV	030-S-5002	STRUCTURAL - RO MEMBRANE BUILDING FOOTING AND PIER DETAILS AND SCHEDULES
163	30	Structural	Details (includes Standard Details)	GNV	030-S-5003	STRUCTURAL - RO MEMBRANE BUILDING DETAILS
164	30	Architecture	Plans (Horizontal Views)	GNV	030-FA-2000	FIRE ALARM - RO BUILDING OVERALL FLOOR PLAN
165	30	Fire Protection	Plans (Horizontal Views)	GNV	030-FA-201	FIRE ALARM - RO BUILDING FLOOR PLAN - MEMBRANE AREA
166	30	Fire Protection	Plans (Horizontal Views)	GNV	030-FA-202	FIRE ALARM - RO BUILDING FLOOR PLAN - OPERATIONS AREA
167	30	Fire Protection	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	030-FA-501	FIRE ALARM - RISER DIAGRAM AND SEQUENCE OF OPERATIONS
168	30	Fire Protection	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	030-FS-200	FIRE ALARM - RISER DIAGRAM AND SEQUENCE OF OPERATIONS
169	30	Fire Protection	Plans (Horizontal Views)	GNV	030-FS-201	FIRE SUPPRESSION - RO BUILDING FLOOR PLAN - MEMBRANE AREA
170	30	Fire Protection	Plans (Horizontal Views)	GNV	030-FS-202	FIRE SUPPRESSION - RO BUILDING FLOOR PLAN - MEMBRANE AREA
171	30	Fire Protection	Plans (Horizontal Views)	GNV	030-FS-401	FIRE SUPPRESSION - RO BUILDING FLOOR PLAN - OPERATIONS AREA
172	30	Plumbing	Plans (Horizontal Views)	GNV	030-P-201	PLUMBING - RO BUILDING UNDERGROUND OVERALL FLOOR PLAN
173	30	Plumbing	Plans (Horizontal Views)	GNV	030-P-202	PLUMBING - RO BUILDING UNDERGROUND OVERALL FLOOR PLAN
174	30	Plumbing	Plans (Horizontal Views)	GNV	030-P-203	PLUMBING - RO BUILDING UNDERGROUND PLAN - MEMBRANE AREA
175	30	Plumbing	Plans (Horizontal Views)	GNV	030-P-204	PLUMBING - RO BUILDING UNDERGROUND - OPERATIONS AREA FLOOR PLAN
176	30	Plumbing	Plans (Horizontal Views)	GNV	030-P-205	PLUMBING - RO BUILDING FLOOR PLAN - MEMBRANE AREA
177	30	Plumbing	Plans (Horizontal Views)	GNV	030-P-206	PLUMBING - RO BUILDING - OPERATIONS AREA FLOOR PLAN
178	30	Plumbing	Large Scale Views (Large scale plans, Large scale elevations)	GNV	030-P-207	PLUMBING - RO BUILDING - OPERATIONS AREA ENLARGED FLOOR PLAN
179	30	Plumbing	3D Representations (Isometrics, Perspectives, photos, images)	GNV	030-P-500	PLUMBING - RO BUILDING SANITARY ISOMETRIC DIAGRAM
180	30	Plumbing	3D Representations (Isometrics, Perspectives, photos, images)	GNV	030-P-501	PLUMBING - RO BUILDING WATER ISOMETRIC DIAGRAM
181	30	Plumbing	3D Representations (Isometrics, Perspectives, photos, images)	GNV	030-P-502	PLUMBING - RO BUILDING ENLARGED WATER ISOMETRIC
182	30	Plumbing	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	030-P-601	PLUMBING - RO BUILDING PLUMBING SCHEDULES
183	30	Process Mechanical	Plans (Horizontal Views)	GNV	030-D-201	PROCESS MECHANICAL - RO MEMBRANE BUILDING OVERALL PLAN
184	30	Process Mechanical	3D Representations (Isometrics, Perspectives, photos, images)	GNV	030-D-202	PROCESS MECHANICAL - RO MEMBRANE BUILDING ISOMETRIC
185	30	Process Mechanical	3D Representations (Isometrics, Perspectives, photos, images)	GNV	030-D-203	PROCESS MECHANICAL - RO MEMBRANE BUILDING ISOMETRIC
186	30	Process Mechanical	Large Scale Views (Large scale plans, Large scale elevations)	GNV	030-D-204	PROCESS MECHANICAL - RO MEMBRANE BUILDING ENLARGED PLANS
187	30	Process Mechanical	Large Scale Views (Large scale plans, Large scale elevations)	GNV	030-D-205	PROCESS MECHANICAL - RO MEMBRANE BUILDING ENLARGED PLANS
188	30	Process Mechanical	Large Scale Views (Large scale plans, Large scale elevations)	GNV	030-D-206	PROCESS MECHANICAL - RO MEMBRANE BUILDING ENLARGED PLANS
189	30	Process Mechanical	3D Representations (Isometrics, Perspectives, photos, images)	GNV	030-D-207	PROCESS MECHANICAL - CIP CHEMICAL MIX TANK AND EDUCTOR SYSTEM ISOMETRIC
190	30	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-D-301	PROCESS MECHANICAL - RO MEMBRANE BUILDING SECTIONS
191	30	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-D-302	PROCESS MECHANICAL - RO MEMBRANE BUILDING SECTIONS
192	30	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-D-303	PROCESS MECHANICAL - RO MEMBRANE BUILDING SECTION
193	30	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-D-304	PROCESS MECHANICAL - RO MEMBRANE BUILDING SECTIONS
194	30	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-D-305	PROCESS MECHANICAL - RO MEMBRANE BUILDING SECTIONS
195	30	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-D-306	PROCESS MECHANICAL - RO MEMBRANE BUILDING SECTIONS
196	30	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-D-307	PROCESS MECHANICAL - CHEMICAL SYSTEMS SECTIONS
197	30	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-D-308	PROCESS MECHANICAL - CHEMICAL SYSTEMS SECTIONS
198	30	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-D-309	PROCESS MECHANICAL - CHEMICAL SYSTEMS SECTIONS
199	30	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-D-310	PROCESS MECHANICAL - CHEMICAL SYSTEMS SECTIONS
200	30	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-D-311	PROCESS MECHANICAL - CHEMICAL SYSTEMS SECTIONS
201	30	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-D-312	PROCESS MECHANICAL - CHEMICAL SYSTEMS SECTIONS
202	30	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-D-313	PROCESS MECHANICAL - CHEMICAL SYSTEMS SECTIONS
203	30	HVAC	Plans (Horizontal Views)	GNV	030-M-200	MECHANICAL - RO BUILDING OVERALL FLOOR PLAN
204	30	HVAC	Plans (Horizontal Views)	GNV	030-M-201	MECHANICAL - RO BUILDING FLOOR PLAN - MEMBRANE AREA
205	30	HVAC	Plans (Horizontal Views)	GNV	030-M-202	MECHANICAL - RO BUILDING FLOOR PLAN - OPERATIONS AREA
206	30	HVAC	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-M-301	MECHANICAL - RO BUILDING SECTIONS

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PRELIMINARY DRAWING LIST

Count	Facility Code	Discipline*	Sheet Type	Group	Sheet Number	Drawing Title
DRAWING LIST						
207	30	HVAC	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-M-302	MECHANICAL - RO BUILDING SECTIONS
208	30	HVAC	Large Scale Views (Large scale plans, Large scale elevations)	GNV	030-M-401	MECHANICAL - RO BUILDING ENLARGED PLAN AND SECTIONS
209	30	HVAC	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	030-M-501	MECHANICAL - RO BUILDING SCHEDULES
210	30	HVAC	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	030-M-502	MECHANICAL - RO BUILDING SCHEDULES
211	30	HVAC	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	030-M-601	MECHANICAL - RO BUILDING SEQUENCE OF OPERATION, PANEL FACE DESIGN
212	30	Electrical	Plans (Horizontal Views)	GNV	030-E-200	ELECTRICAL - RO BUILDING OVERALL PLAN
213	30	Electrical	Plans (Horizontal Views)	GNV	030-E-201	ELECTRICAL - RO BUILDING POWER PLAN - MEMBRANE AREA
214	30	Electrical	Plans (Horizontal Views)	GNV	030-E-202	ELECTRICAL - RO BUILDING LIGHTING PLAN - MEMBRANE AREA
215	30	Electrical	Plans (Horizontal Views)	GNV	030-E-203	ELECTRICAL - RO BUILDING POWER PLAN - OPERATIONS AREA
216	30	Electrical	Plans (Horizontal Views)	GNV	030-E-204	ELECTRICAL - RO BUILDING LIGHTING PLAN - OPERATIONS AREA
217	30	Electrical	Large Scale Views (Large scale plans, Large scale elevations)	GNV	030-E-401	ELECTRICAL - RO BUILDING ENLARGED LIGHTING PLAN - OPERATIONS AREA
218	30	Electrical	Large Scale Views (Large scale plans, Large scale elevations)	GNV	030-E-402	ELECTRICAL - RO BUILDING LIGHTING ENLARGED PLAN - OPERATIONS AREA
219	30	Electrical	Large Scale Views (Large scale plans, Large scale elevations)	GNV	030-E-403	ELECTRICAL - RO BUILDING ENLARGED POWER PLAN - MEMBRANE AREA
220	30	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	030-E-601	ELECTRICAL - RO BUILDING RISER DIAGRAMS
221	30	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	030-E-602	ELECTRICAL - RO BUILDING RISER DIAGRAMS
222	30	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	030-E-603	ELECTRICAL - RO BUILDING RISER DIAGRAMS
223	30	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	030-E-604	ELECTRICAL - RO BUILDING RISER DIAGRAMS
224	30	Instrumentation & Controls	Plans (Horizontal Views)	GNV	030-N-201	INSTRUMENTATION AND CONTROL - RO BUILDING SECURITY PLAN - RO
225	30	Instrumentation & Controls	Plans (Horizontal Views)	GNV	030-N-202	INSTRUMENTATION AND CONTROL - RO BUILDING SECURITY PLAN - OPERATIONS AREA
226	30	Instrumentation & Controls	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-N-203	INSTRUMENTATION AND CONTROL - RO BUILDING SECURITY SECTIONS
227	30	Instrumentation & Controls	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-N-204	INSTRUMENTATION AND CONTROL - RO BUILDING SECURITY SECTIONS
	40			GNV		POST TREATMENT CHEMICAL FACILITY (CO2/NaOH/Ca(OH)2 & PO4)
228	40	Architecture	Plans (Horizontal Views)	GNV	040-A-203	ARCHITECTURAL - POST TREATMENT BUILDING OVERALL FLOOR PLAN
229	40	Architecture	Plans (Horizontal Views)	GNV	040-A-204	ARCHITECTURAL - POST TREATMENT BUILDING ROOF PLAN
230	40	Architecture	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	040-A-301	ARCHITECTURAL - POST TREATMENT BUILDING INTERIOR ELEVATIONS
231	40	Architecture	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	040-A-302	ARCHITECTURAL - POST TREATMENT BUILDING EXTERIOR ELEVATIONS
232	40	Architecture	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	040-A-304	ARCHITECTURAL - POST TREATMENT BUILDING SECTIONS AND WALL SECTIONS
233	40	Architecture	Details (includes Standard Details)	GNV	040-A-401	ARCHITECTURAL - POST TREATMENT BUILDING DOOR SCHEDULE AND DETAILS
234	40	Architecture	Details (includes Standard Details)	GNV	040-A-402	ARCHITECTURAL - POST TREATMENT BUILDING - STANDARD DETAILS
235	40	Architecture	Details (includes Standard Details)	GNV	040-A-403	ARCHITECTURAL - POST TREATMENT BUILDING - STANDARD DETAILS
236	40	Structural	Plans (Horizontal Views)	GNV	040-S-201	STRUCTURAL - POST TREATMENT BUILDING FOUNDATION PLAN
237	40	Structural	Plans (Horizontal Views)	GNV	040-S-202	STRUCTURAL - POST TREATMENT BUILDING FLOOR PLAN
238	40	Structural	Plans (Horizontal Views)	GNV	040-S-203	STRUCTURAL - POST TREATMENT BUILDING ROOF PLAN
239	40	Structural	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	040-S-301	STRUCTURAL - POST TREATMENT BUILDING SECTION
240	40	Structural	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	040-S-302	STRUCTURAL - POST TREATMENT BUILDING SECTION
241	40	Structural	Details (includes Standard Details)	GNV	040-S-401	STRUCTURAL - POST TREATMENT BUILDING DETAILS
242	40	Structural	Details (includes Standard Details)	GNV	040-S-402	STRUCTURAL - POST TREATMENT BUILDING DETAILS
243	40	Process Mechanical	Plans (Horizontal Views)	GNV	040-D-201	PROCESS MECHANICAL - CO2/NaOH/Ca(OH)2 & PO4 FEEDER SYSTEMS PLANS
244	40	Process Mechanical	Plans (Horizontal Views)	GNV	040-D-202	PROCESS MECHANICAL - CO2/NaOH/Ca(OH)2 & PO4 FEEDER SYSTEMS PLANS
245	40	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	040-D-301	PROCESS MECHANICAL - CO2/NaOH/Ca(OH)2 & PO4 FEEDER SYSTEMS SECTIONS
246	40	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	040-D-302	PROCESS MECHANICAL - CO2/NaOH/Ca(OH)2 & PO4 FEEDER SYSTEMS SECTIONS
247	41	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	040-D-303	PROCESS MECHANICAL - CO2/NaOH/Ca(OH)2 & PO4 FEEDER SYSTEMS SECTIONS
248	42	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	040-D-304	PROCESS MECHANICAL - CO2/NaOH/Ca(OH)2 & PO4 FEEDER SYSTEMS SECTIONS
249	40	HVAC	Plans (Horizontal Views)	GNV	040-M-201	MECHANICAL - POST TREATMENT FLOOR PLAN
250	40	HVAC	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	040-M-301	MECHANICAL - POST TREATMENT SECTIONS
251	40	HVAC	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	040-M-401	MECHANICAL - POST TREATMENT SCHEDULES
252	40	Electrical	Plans (Horizontal Views)	GNV	040-E-201	ELECTRICAL - POST TREATMENT BUILDING POWER PLAN
253	40	Electrical	Plans (Horizontal Views)	GNV	040-E-202	ELECTRICAL - POST TREATMENT BUILDING POWER PLAN
254	40	Electrical	Plans (Horizontal Views)	GNV	040-E-203	ELECTRICAL - POST TREATMENT BUILDING LIGHTING PLAN
255	40	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	040-E-601	ELECTRICAL - POST TREATMENT BUILDING RISER DIAGRAMS
	60			GNV		CO2 STORAGE TANK
256	60	Structural	Plans (Horizontal Views)	GNV	060-S-201	STRUCTURAL - CO2 STORAGE SYSTEM PLAN AND SECTION
257	60	Process Mechanical	Plans (Horizontal Views)	GNV	060-D-201	PROCESS MECHANICAL - CO2 STORAGE SYSTEMS PLAN

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Count	Facility Code	Discipline*	Sheet Type	Group	Sheet Number	Drawing Title
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258	60	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	060-D-301	PROCESS MECHANICAL - CO2 STORAGE SYSTEMS SECTIONS
259	60	Electrical	Plans (Horizontal Views)	GNV	060-E-201	ELECTRICAL - CO2 STORAGE SYSTEMS POWER PLAN
260	60	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	060-E-601	ELECTRICAL - CO2 STORAGE SYSTEMS RISER DIAGRAMS
	62			GNV		EXISTING CHLORINE AND AMONIA BUILDING - MODIFICATIONS (REPURPOSE FOR STORAGE)
261	62	Architecture	Plans (Horizontal Views)	GNV	065-A-201	EXISTING CHLORINE AND AMONIA BUILDING_ PLAN MODIFICATIONS
262	62	Architecture	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	065-A-301	EXISTING CHLORINE AND AMONIA BUILDING_ SECTION MODIFICATIONS
263	63	Architecture	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	065-A-302	EXISTING CHLORINE AND AMONIA BUILDING_ SECTION DETAILS
264	64	Architecture	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	065-A-303	EXISTING CHLORINE AND AMONIA BUILDING_ SECTION DETAILS
265	62	Structural	Plans (Horizontal Views)	GNV	065-S-201	EXISTING CHLORINE AND AMONIA BUILDING_ PLAN MODIFICATIONS
266	62	Structural	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	065-S-301	EXISTING CHLORINE AND AMONIA BUILDING_ SECTION MODIFICATIONS
267	62	Process Mechanical	Plans (Horizontal Views)	GNV	065-D-201	EXISTING CHLORINE AND AMONIA BUILDING_ PLAN MODIFICATIONS
268	62	HVAC	Plans (Horizontal Views)	GNV	065-M-201	EXISTING CHLORINE AND AMONIA BUILDING_ PLAN MODIFICATIONS
269	62	HVAC	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	065-M-301	EXISTING CHLORINE AND AMONIA BUILDING_ SECTION MODIFICATIONS
270	62	Electrical	Plans (Horizontal Views)	GNV	065-E-201	EXISTING CHLORINE AND AMONIA BUILDING_ POWER PLAN MODIFICATIONS
271	62	Electrical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	065-E-601	EXISTING CHLORINE AND AMONIA BUILDING_ RISER DIAGRAM
	65			GNV		NEW SODIUM HYPOCHLORIED AND FEED FACILITY
272	65	Architecture	Plans (Horizontal Views)	GNV	065-A-201	NEW SODIUM HYPOCHLORIED AND FEED FACILITY - PLAN
273	65	Architecture	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	065-A-301	NEW SODIUM HYPOCHLORIED AND FEED FACILITY - ELEVATION
274	65	Architecture	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	065-A-302	NEW SODIUM HYPOCHLORIED AND FEED FACILITY - SECTION
275	66	Architecture	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	065-A-303	NEW SODIUM HYPOCHLORIED AND FEED FACILITY - SECTION DETAILS
276	65	Structural	Plans (Horizontal Views)	GNV	065-S-201	NEW SODIUM HYPOCHLORIED AND FEED FACILITY - FOUNDATION PLAN
277	65	Structural	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	065-S-301	NEW SODIUM HYPOCHLORIED AND FEED FACILITY - SECTION DETAILS
278	65	Structural	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	065-S-302	NEW SODIUM HYPOCHLORIED AND FEED FACILITY - SECTION DETAILS
279	65	Process Mechanical	Plans (Horizontal Views)	GNV	065-D-201	NEW SODIUM HYPOCHLORIED AND FEED FACILITY - PLAN
280	65	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	065-D-301	NEW SODIUM HYPOCHLORIED AND FEED FACILITY - SECTION
281	65	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	065-D-302	NEW SODIUM HYPOCHLORIED AND FEED FACILITY - SECTION
282	66	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	065-D-303	NEW SODIUM HYPOCHLORIED AND FEED FACILITY - SECTION DETAILS
283	67	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	065-D-304	NEW SODIUM HYPOCHLORIED AND FEED FACILITY - SECTION DETAILS
284	65	Plumbing	Plans (Horizontal Views)	GNV	065-M-201	NEW SODIUM HYPOCHLORIED AND FEED FACILITY
285	65	Plumbing	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	065-M-301	NEW SODIUM HYPOCHLORIED AND FEED FACILITY
286	65	Electrical	Plans (Horizontal Views)	GNV	065-E-201	NEW SODIUM HYPOCHLORIED AND FEED FACILITY - LIGHTING PLAN
287	65	Electrical	Plans (Horizontal Views)	GNV	065-E-202	NEW SODIUM HYPOCHLORIED AND FEED FACILITY RISER DIAGRAM
	70			GNV		DEGASIFIER AND ODOR CONTROL & CLEARWELL/TRANSFER PUMPS
288	70	Structural	Plans (Horizontal Views)	GNV	070-S-201	STRUCTURAL - DEGASIFIER AND ODOR CONTROL PLAN AND SECTION
289	70	Structural	Plans (Horizontal Views)	GNV	070-S-202	STRUCTURAL - DEGASIFIER AND ODOR CONTROL PLAN AND SECTION
290	70	Structural	Plans (Horizontal Views)	GNV	070-S-203	STRUCTURAL - CLEARWELL AND TRANSFER PUMP STATION FOUNDATION PLAN
291	70	Structural	Plans (Horizontal Views)	GNV	070-S-204	STRUCTURAL - CLEARWELL AND TRANSFER PUMP STATION TOP PLAN
292	70	Structural	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	070-S-301	STRUCTURAL - CLEARWELL AND TRANSFER PUMP STATION SECTIONS
293	70	Process Mechanical	Plans (Horizontal Views)	GNV	070-D-201	PROCESS MECHANICAL - DEGASIFIER/SCRUBBER PLAN
294	70	Process Mechanical	Plans (Horizontal Views)	GNV	070-D-202	PROCESS MECHANICAL - DEGASIFIER/SCRUBBER PLAN
295	70	Process Mechanical	Large Scale Views (Large scale plans, Large scale elevations)	GNV	070-D-203	PROCESS MECHANICAL - ODOR CONTROL SUMP ENLARGED PLAN
296	70	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	070-D-301	PROCESS MECHANICAL - DEGASIFIER/SCRUBBER SECTION
297	70	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	070-D-302	PROCESS MECHANICAL - DEGASIFIER/SCRUBBER SECTION
298	70	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	070-D-303	PROCESS MECHANICAL - DEGASIFIER/SCRUBBER SECTION
299	70	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	070-D-304	PROCESS MECHANICAL - ODOR CONTROL SUMP SECTIONS
300	70	Process Mechanical	3D Representations (Isometrics, Perspectives, photos, images)	GNV	070-D-401	PROCESS MECHANICAL - DEGASIFIER/SCRUBBER ISOMETRIC
301	70	Process Mechanical	Plans (Horizontal Views)	GNV	070-D-201	PROCESS MECHANICAL - CLEARWELL & TRANSFER PUMP STATION PLAN
302	70	Process Mechanical	3D Representations (Isometrics, Perspectives, photos, images)	GNV	070-D-202	PROCESS MECHANICAL - CLEARWELL & TRANSFER PUMP STATION ISOMETRIC
303	70	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	070-D-301	PROCESS MECHANICAL - CLEARWELL & TRANSFER PUMP STATION SECTIONS
304	70	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	070-D-302	PROCESS MECHANICAL - CLEARWELL & TRANSFER PUMP STATION SECTIONS
305	70	Electrical	Plans (Horizontal Views)	GNV	070-E-200	ELECTRICAL - OVERALL DEGASIFIER/SCRUBBER PLAN
306	70	Electrical	Plans (Horizontal Views)	GNV	070-E-201	ELECTRICAL - DEGASIFIER AND ODOR CONTROL POWER PLAN
307	70	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	070-E-601	ELECTRICAL - DEGASIFIER/SCRUBBER RISER DIAGRAMS

City of Port St Lucie Discovery RO WTF - 20 MGD Capacity

PRELIMINARY DRAWING LIST

Count	Facility Code	Discipline*	Sheet Type	Group	Sheet Number	Drawing Title
DRAWING LIST						
308	70	Electrical	Plans (Horizontal Views)	GNV	070-E-201	ELECTRICAL CLEARWELL & TRANSFER PUMP STATION POWER PLAN
309	70	Electrical	Plans (Horizontal Views)	GNV	070-E-202	ELECTRICAL CLEARWELL & TRANSFER PUMP STATION LIGHTING PLAN
310	70	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	070-E-601	ELECTRICAL CLEARWELL & TRANSFER PUMP STATION RISER DIAGRAMS
	80			GNV		ELECTRICAL BUILDING
311	80	Structural	Plans (Horizontal Views)	GNV	080-S-201	STRUCTURAL - ELECTRICAL BUILDING FOUNDATION PLAN
312	80	Structural	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	080-S-301	STRUCTURAL - ELECTRICAL BUILDING SECTION
313	80	Structural	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	080-S-302	STRUCTURAL - ELECTRICAL BUILDING SECTION
314	80	Architecture	Plans (Horizontal Views)	GNV	080-A-200	ARCHITECTURAL - ELECTRICAL BUILDING FLOOR PLAN
315	80	Architecture	Plans (Horizontal Views)	GNV	080-A-201	ARCHITECTURAL - ELECTRICAL BUILDING ROOF PLAN
316	80	Architecture	Plans (Horizontal Views)	GNV	080-A-202	ARCHITECTURAL - ELECTRICAL BUILDING REFLECTED CEILING PLAN
317	80	Architecture	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	080-A-300	ARCHITECTURAL - ELECTRICAL BUILDING EXTERIOR ELEVATIONS
318	80	Architecture	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	080-A-301	ARCHITECTURAL - ELECTRICAL BUILDING SECTIONS AND WALL SECTIONS
319	80	Architecture	3D Representations (Isometrics, Perspectives, photos, images)	GNV	080-A-400	ARCHITECTURAL - ELECTRICAL BUILDING ISOMETRIC VIEWS
320	80	Architecture	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	080-A-401	ARCHITECTURAL - ELECTRICAL BUILDING DOOR LOUVER AND FINISH SCHEDULE
321	80	Architecture	Details (includes Standard Details)	GNV	080-A-500	ARCHITECTURAL - ELECTRICAL BUILDING DETAILS
322	80	Plumbing	Plans (Horizontal Views)	GNV	080-P-201	PLUMBING - BUILDING FLOOR PLAN
323	80	HVAC	Plans (Horizontal Views)	GNV	080-M-201	MECHANICAL - ELECTRICAL BUILDING FLOOR PLAN
324	80	HVAC	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	080-M-301	MECHANICAL - ELECTRICAL BUILDING SECTIONS
325	80	HVAC	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	080-M-501	MECHANICAL - ELECTRICAL BUILDING SCHEDULES
326	80	Electrical	Plans (Horizontal Views)	GNV	080-E-201	ELECTRICAL - ELECTRICAL BUILDING POWER PLAN
327	80	Electrical	Plans (Horizontal Views)	GNV	080-E-202	ELECTRICAL - ELECTRICAL BUILDING LIGHTING PLAN
328	80	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	080-E-601	ELECTRICAL - ELECTRICAL BUILDING RISER DIAGRAMS
	85			GNV		GROUND STORAGE TANK
329	85	Structural	Plans (Horizontal Views)	GNV	085-S-201	STRUCTURAL - GST FOUNDATION PLAN
330	85	Structural	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	085-S-202	STRUCTURAL - GST FOUNDATION SECTION
331	85	Process Mechanical	Plans (Horizontal Views)	GNV	085-D-201	PROCESS MECHANICAL - GST PLAN
332	85	Process Mechanical	Plans (Horizontal Views)	GNV	085-D-202	PROCESS MECHANICAL - GST PLAN
333	85	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	085-D-301	PROCESS MECHANICAL - GST SECTION
334	85	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	085-D-302	PROCESS MECHANICAL - GST SECTION
335	86	Electrical	Plans (Horizontal Views)	GNV	085-E-201	PROCESS MECHANICAL - POWER PLAN
	90			GNV		GENERATOR (EXISTING) AND DIESEL FUEL STORAGE (NEW)
336	90	Structural	Plans (Horizontal Views)	GNV	090-S-201	STRUCTURAL - DIESEL FUEL STORAGE PLAN AND SECTION
337	90	Structural	Plans (Horizontal Views)	GNV	090-S-202	STRUCTURAL - GENERATOR EXISTING BUILDING FLOOR PLAN AND SECTION
338	90	Process Mechanical	Plans (Horizontal Views)	GNV	090-D-201	PROCESS MECHANICAL - DIESEL ENGINE GENERATOR AND DAY TANK PLAN
339	90	Process Mechanical	3D Representations (Isometrics, Perspectives, photos, images)	GNV	090-D-202	PROCESS MECHANICAL - DIESEL ENGINE GENERATOR AND DAY TANK ISOMETRIC
340	90	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	090-D-301	PROCESS MECHANICAL - DIESEL ENGINE GENERATOR AND DAY TANK SECTION
341	90	HVAC	Plans (Horizontal Views)	GNV	090-M-201	MECHANICAL - GENERATOR EXISTING BUILDING FLOOR PLAN AND SECTION
342	90	Electrical	Plans (Horizontal Views)	GNV	090-E-201	ELECTRICAL - GENERATOR POWER PLAN
343	90	Electrical	Plans (Horizontal Views)	GNV	090-E-202	ELECTRICAL - DIESEL FUEL TANK POWER PLAN
344	90	Electrical	Plans (Horizontal Views)	GNV	090-E-202	ELECTRICAL - GENERATOR RISER DIAGRAM
345	90	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	090-E-601	ELECTRICAL - DIESEL FUEL BULK TANKS RISER DIAGRAMS
	95			GNV		ELECTRICAL ONE LINES
346	95	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	095-E-601	ELECTRICAL - FUNCTIONAL BLOCK DIAGRAM
347	95	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	095-E-602	ELECTRICAL - RO-SWGR-1 ONE-LINE DIAGRAM
348	95	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	095-E-603	ELECTRICAL - EXISTING OVERALL ELECTRICAL ONE-LINE DIAGRAM DEMOLITION
349	95	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	095-E-604	ELECTRICAL - EXISTING OVERALL ELECTRICAL ONE-LINE DIAGRAM MODIFICATIONS
350	95	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	095-E-605	ELECTRICAL - RO-MCC-1A ONE-LINE DIAGRAM
351	95	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	095-E-606	ELECTRICAL - RO-MCC-1B ONE-LINE DIAGRAM
352	95	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	095-E-607	ELECTRICAL - TPS-MCC-1 ONE-LINE DIAGRAM
353	95	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	095-E-608	ELECTRICAL - MOTOR CONTROL DIAGRAMS
354	95	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	095-E-609	ELECTRICAL - MOTOR CONTROL DIAGRAMS
355	95	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	095-E-610	ELECTRICAL - MOTOR CONTROL DIAGRAMS
356	95	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	095-E-611	ELECTRICAL - MOTOR CONTROL DIAGRAMS

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PRELIMINARY DRAWING LIST

Count	Facility Code	Discipline*	Sheet Type	Group	Sheet Number	Drawing Title
DRAWING LIST						
357	95	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	095-E-612	ELECTRICAL - MOTOR CONTROL DIAGRAMS
358	95	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	095-E-613	ELECTRICAL - OVERALL POWER RISER DIAGRAM
359	95	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	095-E-614	ELECTRICAL - SCADA NETWORK OVERALL RISER DIAGRAM
360	95	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	095-E-615	ELECTRICAL - SECURITY NETWORK OVERALL RISER DIAGRAM
361	95	Electrical	Details (includes Standard Details)	GNV	095-E-616	ELECTRICAL - LIGHTING SCHEULE AND DETAIL
362	95	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	095-E-617	ELECTRICAL - PANELBOARD SCHEDULE
363	95	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	095-E-618	ELECTRICAL - PANELBOARD SCHEDULE
364	95	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	095-E-619	ELECTRICAL - PANELBOARD SCHEDULES
365	99	Civil	Details (includes Standard Details)	GNV	099-SD-101	STANDARD DETAILS
366	99	Civil	Details (includes Standard Details)	GNV	099-SD-102	STANDARD DETAILS
367	99	Civil	Details (includes Standard Details)	GNV	099-SD-103	STANDARD DETAILS
368	99	Civil	Details (includes Standard Details)	GNV	099-SD-104	STANDARD DETAILS
369	99	Civil	Details (includes Standard Details)	GNV	099-SD-105	STANDARD DETAILS
370	99	Civil	Details (includes Standard Details)	GNV	099-SD-106	STANDARD DETAILS
371	99	Process Mechanical	Details (includes Standard Details)	GNV	099-SD-107	STANDARD DETAILS
372	99	Process Mechanical	Details (includes Standard Details)	GNV	099-SD-108	STANDARD DETAILS
373	99	Process Mechanical	Details (includes Standard Details)	GNV	099-SD-109	STANDARD DETAILS
374	99	Process Mechanical	Details (includes Standard Details)	GNV	099-SD-110	STANDARD DETAILS
375	99	Process Mechanical	Details (includes Standard Details)	GNV	099-SD-111	STANDARD DETAILS
376	99	Process Mechanical	Details (includes Standard Details)	GNV	099-SD-112	STANDARD DETAILS
377	99	Structural	Details (includes Standard Details)	GNV	099-SD-113	STANDARD DETAILS
378	99	Structural	Details (includes Standard Details)	GNV	099-SD-114	STANDARD DETAILS
379	99	Structural	Details (includes Standard Details)	GNV	099-SD-115	STANDARD DETAILS
380	99	Structural	Details (includes Standard Details)	GNV	099-SD-116	STANDARD DETAILS
381	99	Structural	Details (includes Standard Details)	GNV	099-SD-117	STANDARD DETAILS
382	99	Structural	Details (includes Standard Details)	GNV	099-SD-118	STANDARD DETAILS
383	99	Structural	Details (includes Standard Details)	GNV	099-SD-119	STANDARD DETAILS
384	99	Structural	Details (includes Standard Details)	GNV	099-SD-120	STANDARD DETAILS
385	99	Electrical	Details (includes Standard Details)	GNV	099-SD-121	STANDARD DETAILS
386	99	Electrical	Details (includes Standard Details)	GNV	099-SD-122	STANDARD DETAILS
387	99	Electrical	Details (includes Standard Details)	GNV	099-SD-123	STANDARD DETAILS
388	99	Electrical	Details (includes Standard Details)	GNV	099-SD-124	STANDARD DETAILS
389	99	Electrical	Details (includes Standard Details)	GNV	099-SD-125	STANDARD DETAILS
390	99	Electrical	Details (includes Standard Details)	GNV	099-SD-126	STANDARD DETAILS
391	99	Instrumentation & Controls	Details (includes Standard Details)	GNV	099-SD-121	STANDARD DETAILS
392	99	Instrumentation & Controls	Details (includes Standard Details)	GNV	099-SD-122	STANDARD DETAILS
393	99	Instrumentation & Controls	Details (includes Standard Details)	GNV	099-SD-123	STANDARD DETAILS
394	99	Instrumentation & Controls	Details (includes Standard Details)	GNV	099-SD-124	STANDARD DETAILS
395	99	Instrumentation & Controls	Details (includes Standard Details)	GNV	099-SD-125	STANDARD DETAILS
396	99	Instrumentation & Controls	Details (includes Standard Details)	GNV	099-SD-126	STANDARD DETAILS
				GNV		CO2 STORAGE TANK (PHASE 2)
397	60P2	Structural	Plans (Horizontal Views)	GNV	060-S-201	STRUCTURAL - CO2 STORAGE SYSTEM PLAN AND SECTION
398	60P2	Process Mechanical	Plans (Horizontal Views)	GNV	060-D-201	PROCESS MECHANICAL - CO2 STORAGE SYSTEMS PLAN
399	60P2	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	060-D-301	PROCESS MECHANICAL - CO2 STORAGE SYSTEMS SECTIONS
400	60P2	Electrical	Plans (Horizontal Views)	GNV	060-E-201	ELECTRICAL - CO2 STORAGE SYSTEMS POWER PLAN
401	60P2	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	060-E-601	ELECTRICAL - CO2 STORAGE SYSTEMS RISER DIAGRAMS
	70P2			GNV		DEGASIFIER AND ODOR CONTROL & CLEARWELL TRANSFER PUMPS (PHASE 2)
402	70P2	Structural	Plans (Horizontal Views)	GNV	070-S-201	STRUCTURAL - DEGASIFIER AND ODOR CONTROL PLAN AND SECTION
403	70P2	Structural	Plans (Horizontal Views)	GNV	070-S-202	STRUCTURAL - DEGASIFIER AND ODOR CONTROL PLAN AND SECTION
404	70P2	Structural	Plans (Horizontal Views)	GNV	070-S-203	STRUCTURAL - CLEARWELL AND TRANSFER PUMP STATION FOUNDATION PLAN
405	70P2	Structural	Plans (Horizontal Views)	GNV	070-S-204	STRUCTURAL - CLEARWELL AND TRANSFER PUMP STATION TOP PLAN

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PRELIMINARY DRAWING LIST

Count	Facility Code	Discipline*	Sheet Type	Group	Sheet Number	Drawing Title
DRAWING LIST						
406	70P2	Structural	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	070-S-301	STRUCTURAL - CLEARWELL AND TRANSFER PUMP STATION SECTIONS
407	70P2	Process Mechanical	Plans (Horizontal Views)	GNV	070-D-201	PROCESS MECHANICAL - DEGASIFIER/SCRUBBER PLAN
408	70P2	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	070-D-301	PROCESS MECHANICAL - DEGASIFIER/SCRUBBER SECTION
409	70P2	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	070-D-302	PROCESS MECHANICAL - DEGASIFIER/SCRUBBER SECTION
410	70P2	Process Mechanical	Plans (Horizontal Views)	GNV	070-D-201	PROCESS MECHANICAL - CLEARWELL & TRANSFER PUMP STATION PLAN
411	70P2	Process Mechanical	3D Representations (Isometrics, Perspectives, photos, images)	GNV	070-D-202	PROCESS MECHANICAL - CLEARWELL & TRANSFER PUMP STATION ISOMETRIC
412	70P2	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	070-D-301	PROCESS MECHANICAL - CLEARWELL & TRANSFER PUMP STATION SECTIONS
413	70P2	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	070-D-302	PROCESS MECHANICAL - CLEARWELL & TRANSFER PUMP STATION SECTIONS
414	70P2	Electrical	Plans (Horizontal Views)	GNV	070-E-2000	ELECTRICAL - OVERALL DEGASIFIER/SCRUBBER PLAN
415	70P2	Electrical	Plans (Horizontal Views)	GNV	070-E-201	ELECTRICAL - DEGASIFIER AND ODOR CONTROL POWER PLAN
416	70P2	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	070-E-601	ELECTRICAL - DEGASIFIER/SCRUBBER RISER DIAGRAMS
417	70P2	Electrical	Plans (Horizontal Views)	GNV	070-E-201	ELECTRICAL CLEARWELL & TRANSFER PUMP STATION POWER PLAN
418	70P2	Electrical	Plans (Horizontal Views)	GNV	070-E-202	ELECTRICAL CLEARWELL & TRANSFER PUMP STATION LIGHTING PLAN
419	70P2	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	070-E-601	ELECTRICAL CLEARWELL & TRANSFER PUMP STATION RISER DIAGRAMS
				GNV		GROUND STORAGE TANK (PHASE 2)
420	85P2	Structural	Plans (Horizontal Views)	GNV	085-S-201	STRUCTURAL - GST FOUNDATION PLAN
421	85P2	Structural	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	085-S-202	STRUCTURAL - GST FOUNDATION SECTION
422	85P2	Process Mechanical	Plans (Horizontal Views)	GNV	085-D-201	PROCESS MECHANICAL - GST PLAN
423	85P2	Process Mechanical	Plans (Horizontal Views)	GNV	085-D-202	PROCESS MECHANICAL - GST PLAN
424	85P2	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	085-D-301	PROCESS MECHANICAL - GST SECTION
425	85P2	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	085-D-302	PROCESS MECHANICAL - GST SECTION
426		Electrical	Plans (Horizontal Views)	GNV	085-E-201	PROCESS MECHANICAL - POWER PLAN
				GNV		RO MEMBRANE AND ADMIN/OPS/ELECTRICAL BUILDING (Phase 2)
427	30P2	Process Mechanical	Large Scale Views (Large scale plans, Large scale elevations)	GNV	030-D-201	PROCESS MECHANICAL - RO MEMBRANE BUILDING ENLARGED PLANS
428	30P2	Process Mechanical	Large Scale Views (Large scale plans, Large scale elevations)	GNV	030-D-202	PROCESS MECHANICAL - RO MEMBRANE BUILDING ENLARGED PLANS
429	30P2	Process Mechanical	Large Scale Views (Large scale plans, Large scale elevations)	GNV	030-D-203	PROCESS MECHANICAL - RO MEMBRANE BUILDING ENLARGED PLANS
430	30P2	Process Mechanical	3D Representations (Isometrics, Perspectives, photos, images)	GNV	030-D-204	PROCESS MECHANICAL - CIP CHEMICAL MIX TANK AND EDUCTOR SYSTEM ISOMETRIC
431	30P2	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-D-301	PROCESS MECHANICAL - RO MEMBRANE BUILDING SECTIONS
432	30P2	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-D-302	PROCESS MECHANICAL - RO MEMBRANE BUILDING SECTIONS
433	30P2	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-D-303	PROCESS MECHANICAL - RO MEMBRANE BUILDING SECTION
434	30P2	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-D-304	PROCESS MECHANICAL - RO MEMBRANE BUILDING SECTIONS
435	30P2	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-D-305	PROCESS MECHANICAL - RO MEMBRANE BUILDING SECTIONS
436	30P2	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-D-306	PROCESS MECHANICAL - RO MEMBRANE BUILDING SECTIONS
437	30P2	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-D-307	PROCESS MECHANICAL - CHEMICAL SYSTEMS SECTIONS
438	30P2	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-D-308	PROCESS MECHANICAL - CHEMICAL SYSTEMS SECTIONS
439	30P2	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-D-309	PROCESS MECHANICAL - CHEMICAL SYSTEMS SECTIONS
440	30P2	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-D-310	PROCESS MECHANICAL - CHEMICAL SYSTEMS SECTIONS
441	30P2	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-D-311	PROCESS MECHANICAL - CHEMICAL SYSTEMS SECTIONS
442	30P2	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-D-312	PROCESS MECHANICAL - CHEMICAL SYSTEMS SECTIONS
443	30P2	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	030-D-313	PROCESS MECHANICAL - CHEMICAL SYSTEMS SECTIONS
444	30P2	Electrical	Plans (Horizontal Views)	GNV	030-E-201	ELECTRICAL - RO BUILDING POWER PLAN - MEMBRANE AREA
445	30P2	Electrical	Large Scale Views (Large scale plans, Large scale elevations)	GNV	030-E-4003	ELECTRICAL - RO BUILDING ENLARGED POWER PLAN - MEMBRANE AREA
446	30P2	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	030-E-601	ELECTRICAL - RO BUILDING RISER DIAGRAMS
447	30P2	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	030-E-602	ELECTRICAL - RO BUILDING RISER DIAGRAMS
	94P2			GNV		HIGH SERVICE PUMP (EXISTING BUILDING) - PHASE 2
448	94P2	Structural	Plans (Horizontal Views)	GNV	094-S-201	STRUCTURAL - HIGH SERVICE PUMP STATION PLAN AND SECTION
449	94P2	Process Mechanical	Plans (Horizontal Views)	GNV	094-D-201	PROCESS MECHANICAL - HIGH SERVICE PUMP STATION PLAN
450	94P2	Process Mechanical	3D Representations (Isometrics, Perspectives, photos, images)	GNV	094-D-202	PROCESS MECHANICAL - HIGH SERVICE PUMP STATION ISOMETRIC
451	94P2	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	094-D-301	PROCESS MECHANICAL - HIGH SERVICE PUMP STATION SECTION
452	94P2	Electrical	Plans (Horizontal Views)	GNV	094-E-201	ELECTRICAL - HIGH SERVICE PUMP STATION POWER PLAN
453	94P2	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	094-E-601	ELECTRICAL - HIGH SERVICE PUMP STATION RISER DIAGRAM

City of Port St Lucie Discovery RO WTF - 20 MGD Capacity

PRELIMINARY DRAWING LIST

Count	Facility Code	Discipline*	Sheet Type	Group	Sheet Number	Drawing Title
			DRAWING LIST			
	95			GNV		ELECTRICAL ONE LINES - PHASE 2
454	95P2	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	095-E-601	ELECTRICAL - FUNCTIONAL BLOCK DIAGRAM
455	95P2	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	095-E-602	ELECTRICAL - RO-SWGR-2 ONE-LINE DIAGRAM AND FRONT ELEVATION - 20 MGD
456	95P2	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	095-E-603	ELECTRICAL - MOTOR CONTROL DIAGRAMS
457	95P2	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	095-E-6004	ELECTRICAL - MOTOR CONTROL DIAGRAMS
458	95P2	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	095-E-6005	ELECTRICAL - MOTOR CONTROL DIAGRAMS
459	95P2	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	095-E-6006	ELECTRICAL - OVERALL POWER RISER DIAGRAM
460	95P2	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	095-E-6007	ELECTRICAL - SCADA NETWORK OVERALL RISER DIAGRAM
461	95P2	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	095-E-6008	ELECTRICAL - SECURITY NETWORK OVERALL RISER DIAGRAM
462	95P2	Electrical	Details (includes Standard Details)	GNV	095-E-6009	ELECTRICAL - LIGHTING SCHEULE AND DETAIL
463	95P2	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	095-E-6010	ELECTRICAL - PANELBOARD SCHEDULE
464	95P2	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	095-E-6011	ELECTRICAL - PANELBOARD SCHEDULE
	40P2			GNV		POST TREATMENT CHEMICAL FACILITY (CO2/NaOH/Ca(OH)2 & PO4) - PHASE 2
465	40P2	Process Mechanical	Plans (Horizontal Views)	GNV	040-D-201	PROCESS MECHANICAL - CO2/NaOH/Ca(OH)2 & PO4 FEEDER SYSTEMS PLANS
466	40P2	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	040-D-301	PROCESS MECHANICAL - CO2/NaOH/Ca(OH)2 & PO4 FEEDER SYSTEMS SECTIONS
467	40P2	Electrical	Plans (Horizontal Views)	GNV	040-E-201	ELECTRICAL - POST TREATMENT BUILDING POWER PLAN
468	40P2	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	040-E-601	ELECTRICAL - POST TREATMENT BUILDING RISER DIAGRAMS
461	95P2	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	095-E-6010	ELECTRICAL - PANELBOARD SCHEDULE
462	95P2	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	095-E-6011	ELECTRICAL - PANELBOARD SCHEDULE
	40P2			GNV		POST TREATMENT CHEMICAL FACILITY (CO2/NaOH/Ca(OH)2 & PO4) - PHASE 2
463	40P2	Process Mechanical	Plans (Horizontal Views)	GNV	040-D-201	PROCESS MECHANICAL - CO2/NaOH/Ca(OH)2 & PO4 FEEDER SYSTEMS PLANS
464	40P2	Process Mechanical	Elevations and Sections(Vertical views, Sectional views, Wall Sections)	GNV	040-D-301	PROCESS MECHANICAL - CO2/NaOH/Ca(OH)2 & PO4 FEEDER SYSTEMS SECTIONS
465	40P2	Electrical	Plans (Horizontal Views)	GNV	040-E-201	ELECTRICAL - POST TREATMENT BUILDING POWER PLAN
466	40P2	Electrical	General (Symbols, legends, Notes, etc.), Schematics and Diagrams	GNV	040-E-601	ELECTRICAL - POST TREATMENT BUILDING RISER DIAGRAMS
						STORAGE BUILDING - 5000 SF