

Pre-Bid Meeting for Drilling and
Construction of Production Well No.s
1, 2, and Backup Well (No. 3) for
Rivertown Water Treatment Plant
(WTP) Project

10/28/20

Rivertown WTP Project

- The Project is being implemented to provide and distribute additional potable water in JEA's service area in northwest St Johns County.
- The Rivertown WTP site and Well No. 1 Site are located at 7612 Longleaf Pine Parkway, St. Johns County, Florida.
- Well No. 2 and 3 sites are located east and north of the WTP site (see next slide).



LEGEND

- Proposed Well Locations
- Property Boundary
- Access Easement

0 500 1,000 2,000
Feet



Figure 1
Project Location Map
JEA Rivertown Water Treatment Plant
Well Nos. 1, 2, and Backup Well (No. 3)



Rivertown WTP Project (continued)

- Owner: JEA
- Lead Engineering Consultant for the Project: CDM Smith
- Engineering Consultant for Wells: Jacobs
- Engineering Consultant for Pipeline: 4 Waters

Rivertown WTP Project (continued)

- The Rivertown WTP Project will be constructed under 2 separate construction contracts:
 - Part 1, which is the work covered under this procurement action, consists of drilling, construction, and development of Production Wells 1 and 2 and Backup Well 3 and Associated Components as shown in the drawings and specifications.
 - Part 2, which will be covered by a future procurement action, will consist of the water treatment plant, well head assemblies, final site work for the well sites, and raw and finished water lines.

Scope for Drilling and Construction of Production Wells 1 and 2 and Backup Well (No. 3) for the Rivertown WTP Project

- Production Wells 1 and 2 and associated components are included in the base bid.
- Well 3 (a backup well) and associated components are alternate bid items that are intended for construction dependent on costs and available funding.
- It is emphasized that award of alternate bid items (e.g., Backup Well (No. 3)) will be based on bid prices and available funding at JEA's discretion.

Note 1: See the project specifications and drawings for detailed discussion and description of project scope and requirements.

Scope for Drilling and Construction of Production Wells 1 and 2 and Backup Well (No. 3) (continued)

The work includes, but is not limited to:

- Permitting, mobilization, and demobilization.
- Production Well 1:
 - preparing Well 1 site including clearing as needed;
 - installing temporary security fence;
 - installation sediment and erosion control measures;
 - overexcavating unsuitable materials;
 - providing and installing backfill;
 - drilling, constructing, developing, testing, logging/documenting the well, and disinfecting the well;
 - fluid management; and
 - restoration and stabilization.

Note 1: See the project specifications and drawings for detailed discussion and description of project scope and requirements.

Scope for Drilling and Construction of Production Wells 1 and 2 and Backup Well (No. 3) (continued)

- Production Well 2:

- preparing site and access road including clearing and grubbing;
- installation of temporary security fence;
- installation of sediment and control measures;
- overexcavating unsuitable materials;
- providing and installing fill;
- drilling, constructing, developing, testing, logging/documenting the well, and disinfecting the well;
- fluid management; and
- restoration and stabilization.

Note 1: See the project specifications and drawings for detailed discussion and description of project scope and requirements.

Scope for Drilling and Construction of Production Wells 1 and 2 and Backup Well (No. 3) (continued)

- Backup Well 3:
 - preparing site and access road including clearing and grubbing;
 - installation of temporary security fence;
 - installation of sediment and control measures;
 - providing and installing fill;
 - constructing the access road including installation of raw water pipe, installation of sheet pile retaining wall, replacing curb and sidewalk;
 - drilling, constructing, developing, testing, logging/documenting the well, and disinfecting the well;
 - fluid management; and
 - restoration and stabilization.

Note 1: See the project specifications and drawings for detailed discussion and description of project scope and requirements.

Schedule

- All work to be completed after the Notice to Proceed as follows:
 - Well No. 1:
 - Substantial Completion: 130 calendar days
 - Final Completion: 160 calendar days
 - Well No. 2:
 - Substantial Completion: 260 calendar days
 - Final Completion: 290 calendar days
 - Backup Well No. 3 (if authorized):
 - Substantial Completion: 390 calendar days
 - Final Completion: 420 calendar days
- Substantial and Final Completion the wells interface with Part 2 Contract work.
- The Contractor shall prepare and submit a comprehensive project schedule at the beginning of the Project.

Note 1: See the project specifications and drawings for detailed discussion and description of project scope and requirements.

Technical Documents

- *Technical Specifications, Volume 1 of 2, Rivertown Water Treatment Plant Well No.s 1, 2, and Backup Well (No.3) Part 1 – Production Well Drilling.*
 - Geotechnical Exploration and Evaluation Report
 - Test Holes Report
 - Preliminary Wetlands and Listed Species Report
- *Construction Drawings for JEA Rivertown Water Treatment Plant Well No.s 1, 2, and Backup Well No. 3, Well No.s 2 & 3 Site Preparation for Well Drilling, Part 1, Volume 2 of 2 – Drawings*
- Permitting/Regulatory Status for (Part 1) Production Well Drilling – Well No.s 1, 2, and Backup Well (No. 3) for the Rivertown Water Treatment Plant Project.
- An addendum may be issued to incorporate adjustments due to comments from SJR WMD on the Construction & Testing Plan for the Wells.

Points to Note

- Wells 1 and 2 and associated components are base bid. Backup Well (No. 3) and associated components are alternate bid items.
- Not all permits/regulatory approvals have been received. They are being worked. Field work will not be allowed on each well site until all permits/approvals have received for the respective well site. See the following document for current status:
 - *Permitting/Regulatory Status for (Part 1) Production Well Drilling – Well No.s 1, 2, and Backup Well (No. 3) for the Rivertown Water Treatment Plant Project*
- Overexcavation of unsuitable soil and providing and installing fill.
- Provision and installation of granular backfill complying with the specifications to meet percolation requirements for ERP Stormwater Permitting.

Points to Note (continued)

- The sites are near Bartram Trail High school:
 - Installation of temporary security fence is required before and during construction to minimize intrusion and potential safety concerns/injuries.
 - Must consider traffic
- Developer restrictions:
 - Imposed on Well 2 site.
 - Do Not clear/distribute beyond the limits of clearing!!
 - Do Not infringe on the Adjacent Properties!!
- Other interfaces:
 - Contractor for Part 2, which will be covered by a future procurement action, is for the water treatment plant, well head assemblies, final site work for the well sites, and raw and finished water lines.
 - Cellular companies for cell tower facility on east side of WTP site.
 - FP&L for power.

Points to Note (continued)

- Protect adjacent properties
- Contractor must avoid track-out of mud, dirt, debris, etc onto Longleaf Pine Parkway. Contractor will be responsible for prompt removal and cleanup of any track-out that occurs.
- Contractor will need to provide temporary power and water supply. Options for water service include:
 - Install a temporary construction service off the finished water main in the Longleaf Pine Parkway ROW.
 - Install a temporary well for water supply during drilling operations only.
- Work area is within JEA property:
 - JEA access badges required
 - Masks are required if social distancing cannot be performed
 - No weapons, alcohol, illegal drugs

Mandatory Site Tour

- *Potential hazards:*
 - *Potential COVID – 19 Exposure*
 - *Heat*
 - *Tripping hazards*
 - *Traffic on Longleaf Pine Parkway*
 - *Stinging insects, ticks, snakes, etc.*
 - *Etc*
- *PPE*
 - *Mask*
 - *Safety boots*
 - *Hard hats (optional)*
 - *Safety glasses*
 - *Reflective vest*
- No weapons, alcohol, or illegal drugs